



Reichelt
Chemietechnik
GmbH + Co.

THOMAFLUID® - Handbook IV

Industrial Connectors
of Metal

Tubing Squeeze Connections
of Metal for Pneumatics

Quick-Disconnect Couplings
of Plastics and Metal

Cocks and Valves
of Plastics and Metal

Stopcocks, Ball Cocks and Valves,
Fine Regulating Valves, Needle Valves,
Solenoid Valves, Pinch Valves, Motor Valves

Strainers
Plastics

Success has a name:
30 years Reichelt Chemietechnik

Reichelt Chemietechnik



**Reichelt
Chemietechnik
GmbH + Co.**

THOMAFUID® High-Tech Swash-Plate Piston Micro Metering Pump Type: Drive System E-1500 MP – Microprocessor-controlled –

Product specification:

- Valveless metering pump for precise delivery of solutions, suspensions, low-viscous slurries, and all kinds of media in laboratory and plant.
- The drive system E-1500 MP is infinitely variable.
Speed range: 0-1500 rpm and $\Delta p=0$.
- The microprocessor-controlled pump is equipped with a RS-232 interface as well as with a 25-pin D-plug and thus can also be controlled via SPS.
- Functions: start/stop, speed variation: 0-100%.

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Technical specification:

- Material:
Pump head: PVDF or ETFE
- Medium-contacting parts: conforming to FDA
- Conveying medium: liquids
- Delivery rate: 10-150 ml/min.
- Accuracy of delivery: better than 0.1 %
- Display indication: delivery rate in percentage values referring to the max. flow rate
- Max. operating pressure: 6.9 bar
- Temperature: max. +120 °C
- Motor speed: infinitely variable 0-1500 rpm, high-speed function
- Speed variation: 0-100 %
- External control: via SPS by means of 25-pin D-plug; via RS-232 interface (microprocessor-controlled)
- External input: 0-10 VDC, 4-20 mA
- Start-Stop-Function: zero-potential relais contact or Open Collector Input
- Connected voltage: 230 V / 50 Hz
- Regulations: conforming to RoHS
- Dimensions: 320 x 130 x 150 mm (L x W x H)

Order specification:

Cat. No.	Max. delivery rate ml/min	Max. delivery pressure bar	Conveying medium	Material of pump head	Pipe connection	Price EURO
19123	10-37.5	1.4	liquid	ETFE	6.4 mm	4950.00
19124	10-37.5	1.4	liquid	ETFE	1/4"-28 UNF	4950.00
978731	10-75	6.9	liquid	PVDF	6.4 mm	4950.00
19125	10-75	6.9	liquid	PVDF	1/4"-28 UNF	4950.00
978732	10-150	6.9	liquid	PVDF	6.4 mm	4950.00
19126	10-150	6.9	liquid	PVDF	1/4"-28 UNF	4950.00

Subject to technical and price change.

The prices in this handbook are valid for the European currency area!

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THOMAFLUID® Industrial Tubing Nozzle Connectors Made of Steel

Type: RCT®-LCK 41

General product specification

- Tubing connectors without safety collar
- Tubing connectors with safety collar
- Tubing nozzle connectors with tubing claw as safe connecting component and ideal connecting adapter at tubing repairs
- Design with machined nozzle profile ensuring a perfect tubing fit
- Maximum bore with largest possible flow rate

General technical specification:

- **Material:** steel (1.0718), zinc-plated, passivated
- **Colour:** yellow passivated
- **Max. operating pressure:** 10 bar (PN)
- **Material composition:** 9 S Mn Pb 28 (machining steel)
- **Manufacturing standard:** DIN 20038

THOMAFLUID® Industrial Tubing Nozzle Connectors Made of Steel

Type: RCT®-LCK 41

Cat. No.	For tubing inside Ø mm	NW mm	Length mm	Unit piece	Price Euro
330387	10	8	75	5	26.00
330388	10	8	75	10	46.00
330389	13	9	80	5	20.00
330390	13	9	80	10	33.00
330391	15	12.5	105	5	22.00
330392	15	12.5	105	10	36.00
330393	19	16	105	5	25.00
330394	19	16	105	10	40.00
330395	25	22	160	5	26.00
330396	25	22	160	10	46.00
330397	32	27	175	5	44.00
330398	32	27	175	10	76.00
330399	38	33	215	5	98.00



33 0387



33 0387

330400	38	33	215	10	168.00
330401	50	45	225	3	96.00
330402	50	45	225	5	136.00
330403	53	46	225	3	106.00
330404	53	46	225	5	152.00

THOMAFLUID® Industrial Tubing Nozzle Connectors Made of Steel with Safety Collar

Type: RCT®-LCK 41

Cat. No.	For tubing inside Ø mm	NW mm	Length mm	Unit piece	Price Euro
330405	13	9	80	5	44.00
330406	13	9	80	10	76.00
330407	15	12.5	105	5	46.00
330408	15	12.5	105	10	78.00
330409	19	16	105	5	46.00
330410	19	16	105	10	78.00
330411	25	22	160	5	55.00
330412	25	22	160	10	94.00
330413	32	27	175	5	72.00



33 0405



33 0405

330414	32	27	175	10	122.00
330415	38	33	215	5	142.00
330416	38	33	215	10	242.00
330417	50	45	225	3	126.00
330418	50	45	225	5	180.00
330419	53	46	225	3	138.00
330420	53	46	225	5	196.00
330421	75	68	250	1	90.00
330422	75	68	250	3	226.00

THOMAFLUID® Industrial Tubing Nozzle Connectors with Tubing Claw

Type: RCT®-LCK 41



33 0423



33 0423

Cat. No.	For tubing inside Ø mm	NW mm	Length mm	Unit piece	Price Euro
330423	19	18	61	5	32.00
330424	19	18	61	10	56.00

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COUPLING TECHNOLOGY

THOMAFUID® Industrial Threaded Nozzles Made of Steel

Type: RCT®-LCK 40

General product specification

- External threaded nozzles without safety collar
- External threaded nozzles with safety collar
- Internal threaded nozzles with safety collar
- Maximum bore for largest possible flow rate
- Perfect tubing fit due to machined nozzle profile

General technical specification:

- **Material:** steel (1.0718), zinc-plated, passivated
- **Colour:** yellow passivated
- **Material composition:** 9 S Mn Pb 28 (machining steel)
- **Max. operating pressure:** 25 bar
- **Thread:** according to ISO 228 (Withworth pipe thread)

THOMAFUID® Industrial External Threaded Nozzles Made of Steel with Safety Collar

Type: RCT®-LCK 40

Cat. No.	For tubing inside Ø mm	NW mm	External thread inch	Length mm	Unit piece	Price Euro
330367	13	10	G 1/2"	60	5	57.00
330368	13	10	G 1/2"	60	10	95.00
330369	19	15	G 3/4"	60	5	59.00
330370	19	15	G 3/4"	60	10	98.00
330371	19	15	G 1"	60	5	72.00
330372	19	15	G 1"	60	10	120.00
330373	25	20	G 1"	60	5	73.00



33 0367



33 0357

330374	25	20	G 1"	60	10	122.00
330375	25	20	G 1 1/4"	70	3	73.00
330376	25	20	G 1 1/4"	70	5	97.00
330377	32	25	G 1 1/4"	70	3	73.00
330378	32	25	G 1 1/4"	70	5	97.00
330379	38	33	G 1 1/2"	75	3	81.00
330380	38	33	G 1 1/2"	75	5	108.00
330381	42	35	G 1 1/2"	75	3	85.00
330382	42	35	G 1 1/2"	75	5	113.00
330383	50	42	G 2"	100	1	63.00
330384	50	42	G 2"	100	3	150.00
330385	53	44	G 2"	100	1	78.00
330386	53	44	G 2"	100	3	188.00

THOMAFUID® Industrial Internal Threaded Nozzles Made of Steel with Safety Collar

Type: RCT®-LCK 40

Cat. No.	For tubing inside Ø mm	NW mm	Internal thread inch	Length mm	Unit piece	Price Euro
330357	19	15	G 3/4"	65	5	65.00
330358	19	15	G 3/4"	65	10	109.00
330359	19	15	G 1"	65	5	86.00
330360	19	15	G 1"	65	10	144.00
330361	25	20	G 1"	65	5	92.00
330362	25	20	G 1"	65	10	154.00
330363	25	20	G 1 1/4"	70	3	90.00
330364	25	20	G 1 1/4"	70	5	124.00
330365	32	25	G 1 1/4"	75	3	94.00
330366	32	25	G 1 1/4"	75	5	136.00

THOMAFUID® Industrial Threaded Nozzles Made of Steel

Type: RCT®-LCK 40

Cat. No.	For tubing inside Ø mm	NW mm	External thread inch	Length mm	Unit piece	Price Euro
330335	9	6	G 1/4"	40	5	16.00
330336	9	6	G 1/4"	40	10	26.00
330337	10	7	G 3/8"	40	5	23.00
330338	10	7	G 3/8"	40	10	38.00
330339	13	8.5	G 1/4"	40	5	16.00
330340	13	8.5	G 1/4"	40	10	28.00
330341	13	10	G 3/8"	45	5	19.00
330342	13	10	G 3/8"	45	10	32.00
330343	13	10	G 1/2"	60	5	41.00
330344	13	10	G 1/2"	60	10	69.00
330345	13	10	G 3/4"	60	5	48.00
330346	13	10	G 3/4"	60	10	81.00



33 0335



33 0335

330347	15	12	G 1/2"	60	5	41.00
330348	15	12	G 1/2"	60	10	69.00
330349	15	12	G 3/4"	60	5	49.00
330350	15	12	G 3/4"	60	10	82.00
330351	19	14	G 1/2"	60	5	41.00
330352	19	14	G 1/2"	60	10	69.00
330353	19	15	G 3/4"	60	5	46.00
330354	19	15	G 3/4"	60	10	76.00
330355	25	19	G 3/4"	60	5	49.00
330356	25	19	G 3/4"	60	10	82.00

THOMAFLUID® Industrial Hose Clamps Made of Malleable Iron Type: RCT®-LCK 43

General technical specification:

- **Material:** white malleable iron (DIN 1692), zinc-plated, passivated
- **Colour:** yellow passivated
- **Temperature range:** good tensile limit ensures the use of white malleable iron even at high temperatures
- **Hardness:** the toughness of the material prevents a brittle fracture at overstress

THOMAFLUID® Industrial Hose Clamps Made of Malleable Iron – DIN 20039A Type: RCT®-LCK 43

Technical specification:

- **Design:** two parts with loose saddle
- **Max. operating pressure:** 16 bar at +20 °C
- **Manufacturing standard:** DIN 20039A

Cat. No.	For tubing inside Ø mm	For tubing outside Ø mm	Unit piece	Price Euro
330425	13	22 – 29	5	28.00
330426	13	22 – 29	10	48.00
330427	19	28 – 34	5	32.00
330428	19	28 – 34	10	54.00
330429	25	32 – 40	5	38.00
330430	25	32 – 40	10	64.00
330431	32	39 – 49	5	50.00
330432	32	39 – 49	10	84.00
330433	38	48 – 60	5	58.00
330434	38	48 – 60	10	98.00
330435	50	56 – 72	5	64.00
330436	50	56 – 72	10	106.00
330437	63	77 – 94	3	68.00



33 0425



33 0425

330438	63	77 – 94	5	94.00
330439	75	89 – 101	3	84.00
330440	75	89 – 101	5	118.00
330441	75	94 – 115	3	84.00
330442	75	94 – 115	5	118.00
330443	39	113 – 127	1	36.00
330444	39	113 – 127	3	90.00
330445	39	115 – 145	1	42.00
330446	89	115 – 145	3	102.00

THOMAFLUID® Industrial Hose Clamps Made of Malleable Iron – DIN 20039B Type: RCT®-LCK 43

Technical specification:

- **Design:** two parts with loose saddle and safety claws
- **Max. operating pressure:** 25 bar at +20 °C
- **Manufacturing standard:** DIN 20039B

Cat. No.	For tubing inside Ø mm	For tubing outside Ø mm	Unit piece	Price Euro
330447	13	22 – 29	5	40.00
330448	13	22 – 29	10	70.00



33 0447



33 0447

330449	19	28 – 32	5	42.00
330450	19	28 – 32	10	74.00
330451	25	35 – 42	5	54.00
330452	25	35 – 42	10	92.00
330453	28	42 – 45	5	66.00
330454	28	42 – 45	10	114.00
330455	35	45 – 53	5	78.00
330456	35	45 – 53	10	132.00
330457	42	55 – 60	3	58.00
330458	42	55 – 60	5	84.00
330459	50	60 – 73	3	64.00
330460	50	60 – 73	5	90.00
330461	75	86 – 102	1	38.00
330462	75	86 – 102	3	94.00

THOMAFLUID® Pneumatic Industrial Fittings Made of Brass, Nickel-Plated – Light Design

Application areas:

- Fluid technology
- Compressed air technology
- Automation
- Measurement and control technology
- Apparatus engineering
- Machine engineering

General technical specification:

- **Material:** brass MS 58 (2.0401)
- **Material composition:** CuZn 39 Pb3 - material 2.0401
- **Design:** nickel-plated
- **Max. operating pressure:** 8 bar at +20 °C

Thread types:

- Withworth thread according to ISO 228, referred to as „G-thread“
- Withworth thread according to DIN 2999, referred to as „R-thread“

THOMAFLOW® Industrial Threaded Nozzles Made of Brass, Nickel-Plated – Light Design

Type: RCT®-LCK 120

Product specification:

- Design: Straight, G-external thread on one side, tubing nozzle on the other side

Cat. No.	External thread inch	For tubing inside Ø mm	Length mm	WAF mm	Unit piece	Price Euro
331179	G 1/8"	6	25	12	10	30.00
331180	G 1/8"	9	28	12	10	30.00
331181	G 1/4"	6	25	14	10	38.00



33 1179



33 1187

331182	G 1/4"	9	28	14	10	38.00
331183	G 3/8"	9	29	19	10	42.00
331184	G 3/8"	14	32	19	10	42.00
331185	G 1/2"	14	38	22	10	74.00
331186	G 3/4"	20	39	27	5	72.00

THOMAFLOW® Industrial Threaded Nozzles Made of Brass, Nickel-Plated – Light Design

Type: RCT®-LCK 120

Product specification:

- Design: Straight, G-internal thread on one side, tubing nozzle on the other side

Cat. No.	Internal thread inch	For tubing inside Ø mm	Length mm	WAF mm	Unit piece	Price Euro
331187	G 1/8"	6	25	14	10	30.00
331188	G 1/4"	6	30	17	10	36.00
331189	G 1/4"	9	38	17	10	40.00
331190	G 3/8"	9	39	22	10	48.00
331191	G 1/2"	13	40	22	10	116.00

THOMAFLOW® Industrial Elbow Screwed Fittings Made of Brass, Nickel-Plated – Light Design

Type: RCT®-LCK 117

Product specification:

- Design: L-shape, G-internal thread on both sides

THOMAFLOW® Industrial Elbow Screwed Fittings Made of Brass, Nickel-Plated – Light Design

Type: RCT®-LCK 117

Cat. No.	Internal thread inch	WAF mm	Thread length mm	Unit piece	Price Euro
331121	G 1/8"	11	8	10	52.00
331122	G 1/4"	13	11	10	86.00
331123	G 3/8"	17	12	10	112.00
331124	G 1/2"	21	14	5	92.00



33 1121



33 1113

THOMAFLOW® Industrial Elbow Screwed Fittings Made of Brass, Nickel-Plated – Light Design

Type: RCT®-LCK 117

Product specification:

- Design: L-shape, R-external thread on one side, G-internal thread on the other side

Cat. No.	External thread inch	Internal thread inch	WAF mm	Thread length mm	Unit piece	Price Euro
331113	R 1/8"	G 1/8"	11	8	10	46.00
331114	R 1/4"	G 1/4"	13	11	10	64.00
331115	R 3/8"	G 3/8"	17	12	10	92.00
331116	R 1/2"	G 1/2"	21	14	10	138.00

THOMAFLOW® Industrial Elbow Screwed Fittings Made of Brass, Nickel-Plated – Light Design

Type: RCT®-LCK 117

Product specification:

- Design: L-shape, R-external thread (conical) on both sides

Cat. No.	External thread inch	WAF mm	Thread length mm	Unit piece	Price Euro
331117	R 1/8"	10	8	10	46.00
331118	R 1/4"	11	11	10	64.00
331119	R 3/8"	13	12	10	92.00
331120	R 1/2"	17	14	10	138.00

THOMAFLUID® Industrial Y-Shaped Screwed Fittings Made of Brass, Nickel-Plated – Light Design

Type: RCT®-LCK 117

Product specification:

- Design: Y-shape, G-internal thread (cylindrical) on two sides, R-external thread (conical) on the third side

Cat. No.	Internal thread inch	External thread inch	WAF mm	Thread length mm	Unit piece	Price Euro
331125	G 1/8"	R 1/8"	14	8	10	108.00
331126	G 1/4"	R 1/4"	17	11	10	114.00



33 1117 (see page 5)



33 1125

331127	G 3/8"	R 3/8"	22	12	5	84.00
331128	G 1/2"	R 1/2"	26	14	5	98.00

THOMAFLUID® Industrial Y-Shaped Screwed Fittings Made of Brass, Nickel-Plated – Light Design

Type: RCT®-LCK 117

Product specification:

- Design: Y-shape, G-internal thread (cylindrical) at all three sides



33 1129



33 1137

Cat. No.	Internal thread inch	WAF mm	Thread length mm	Unit piece	Price Euro
331129	G 1/8"	14	8	10	108.00
331130	G 1/4"	17	11	10	114.00
331131	G 3/8"	22	12	5	84.00
331132	G 1/2"	26	14	5	98.00

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THOMAFLUID® Industrial T-Shaped Screwed Fittings Made of Brass, Nickel-Plated – Light Design

Type: RCT®-LCK 118

Product specification:

- Design: T-shape, G-internal thread (cylindrical) at all three sides

Cat. No.	Internal thread inch	WAF mm	Thread length mm	Unit piece	Price Euro
331137	G 1/8"	11	8	10	62.00
331138	G 1/4"	13	11	10	94.00
331139	G 3/8"	17	12	5	70.00
331140	G 1/2"	21	14	5	98.00

THOMAFLUID® Industrial T-Shaped Screwed Fittings Made of Brass, Nickel-Plated – Light Design

Type: RCT®-LCK 118

Product specification:

- Design: T-shape, G-internal thread (cylindrical) on two sides, R-external thread (conical) on the third side

Cat. No.	Internal thread inch	External thread inch	WAF mm	Thread length mm	Unit piece	Price Euro
331141	G 1/8"	R 1/8"	11	8	10	62.00
331142	G 1/4"	R 1/4"	13	11	10	94.00
331143	G 3/8"	R 3/8"	17	12	5	70.00
331144	G 1/2"	R 1/2"	21	14	5	98.00

THOMAFLUID® Industrial T-Shaped Screwed Fittings Made of Brass, Nickel-Plated – Light Design

Type: RCT®-LCK 118

Product specification:

- Design: T-shape, R-external thread (conical) at all three sides



33 1141



33 1133

Cat. No.	External thread inch	WAF mm	Thread length mm	Unit piece	Price Euro
331133	R 1/8"	10	8	10	62.00
331134	R 1/4"	11	11	10	94.00
331135	R 3/8"	13	12	5	70.00
331136	R 1/2"	17	14	5	98.00

COUPLING TECHNOLOGY

THOMAFUID® Industrial Threaded Adapter Made of Brass, Nickel-Plated – Light Design

Type: RCT®-LCK 119

Product specification:

- Design: Threaded sleeve, G-internal thread (cylindrical) on both sides

Cat. No.	Internal thread inch	WAF mm	Thread length mm	Unit piece	Price Euro
331168	G 1/8"	14	8	10	26.00
331169	G 1/4"	17	11	10	40.00
331170	G 3/8"	22	12	10	66.00
331171	G 1/2"	27	15	10	92.00



33 1168



33 1172

THOMAFUID® Industrial Reducing Threaded Adapter Made of Brass, Nickel-Plated – Light Design

Type: RCT®-LCK 119

Product specification:

- Design: Threaded sleeve, different G-internal thread (cylindrical) on both sides

Cat. No.	Internal thread (A) inch	Thread length (A) mm	Internal thread (B) inch	Thread length (B) mm	WAF mm	Unit piece	Price Euro
331172	G 1/8"	8	G 1/4"	11	17	10	40.00
331173	G 1/4"	11	G 3/8"	12	22	10	62.00
331174	G 1/2"	15	G 3/4"	17	32	10	106.00

THOMAFUID® Industrial Double Nipple Made of Brass, Nickel-Plated – Light Design

Type: RCT®-LCK 118

Product specification:

- Design: Double nipple, G-external thread (cylindrical) on both sides

Cat. No.	External thread inch	WAF mm	Thread length mm	Unit piece	Price Euro
331145	G 1/8"	14	6	10	26.00
331146	G 1/4"	14	8	10	30.00
331147	G 3/8"	19	9	10	42.00
331148	G 1/2"	24	10	10	64.00
331149	G 3/4"	30	11	10	98.00

THOMAFUID® Industrial Reducing Nipple Made of Brass, Nickel-Plated – Light Design

Type: RCT®-LCK 119

Product specification:

- Design: Reducing nipple, different G-internal and external thread (cylindrical)

Cat. No.	Internal thread inch	Thread length mm	External thread inch	Thread length mm	WAF mm	Unit piece	Price Euro
331175	G 1/8"	13.0	G 1/4"	8	17	10	28.00
331176	G 1/4"	14.0	G 3/8"	9	19	10	36.00
331177	G 3/8"	15.5	G 1/2"	10	24	10	52.00



33 1145



33 1175

331178	G 1/2"	17.5	G 3/4"	12	30	10	86.00
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THOMAFUID® Industrial Double Nipple Made of Brass, Nickel-Plated – Light Design

Type: RCT®-LCK 118

Product specification:

- Design: Double nipple, R-external thread (conical) on both sides



33 1157



33 1150

Cat. No.	External thread inch	WAF mm	Thread length mm	Unit piece	Price Euro
331157	R 1/8"	12	7.6	10	26.00
331158	R 1/4"	14	11.0	10	30.00
331159	R 3/8"	17	11.6	10	42.00
331160	R 1/2"	22	14.0	10	64.00
331161	R 3/4"	27	16.5	10	98.00

THOMAFLUID® Industrial Reducing Double Nipple Made of Brass, Nickel-Plated – Light Design

Type: RCT®-LCK 118

Product specification:

- Design: Reducing double nipple, different G-external thread (cylindrical) on both sides

Cat. No.	External thread (A) inch	Thread length (A) mm	External thread (B) inch	Thread length (B) mm	WAF mm	Unit piece	Price Euro
331150	G 1/8"	6	G 1/4"	8	17	10	30.00
331151	G 1/8"	6	G 3/8"	9	19	10	36.00
331152	G 1/8"	6	G 1/2"	10	24	10	70.00
331153	G 1/4"	8	G 3/8"	9	19	10	38.00
331154	G 1/4"	8	G 1/2"	10	24	10	60.00
331155	G 3/8"	9	G 1/2"	10	24	10	62.00
331156	G 1/2"	10	G 3/4"	11	28	5	66.00

THOMAFLUID® Industrial Reducing Double Nipple Made of Brass, Nickel-Plated – Light Design

Product specification:

- Design: Reducing double nipple, different R-external thread (conical) on both sides

Cat. No.	External thread (A) inch	Thread length (A) mm	External thread (B) inch	Thread length (B) mm	WAF mm	Unit piece	Price Euro
331162	R 1/8"	7.6	R 1/4"	11.0	14	10	34.00
331163	R 1/8"	7.6	R 3/8"	11.6	17	10	38.00
331164	R 1/4"	11.0	R 3/8"	11.6	17	10	40.00
331165	R 1/4"	11.0	R 1/2"	14.0	22	10	60.00
331166	R 3/8"	11.6	R 1/2"	14.0	22	10	62.00
331167	R 1/2"	14.0	R 3/4"	16.6	27	5	68.00



33 1162



33 1192

THOMAFLUID® Industrial Screw Caps Made of Brass, Nickel-Plated – Light Design

Type: RCT®-LCK 120

Product specification:

- Design: Screw caps with G-internal thread (cylindrical)

THOMAFLUID® Industrial Screw Caps Made of Brass, Nickel-Plated – Light Design

Type: RCT®-LCK 120

Cat. No.	Internal thread inch	WAF mm	Thread length mm	Unit piece	Price Euro
331192	G 1/8"	14	6	10	28.00
331193	G 1/4"	17	8	10	40.00
331194	G 3/8"	19	9	10	52.00
331195	G 1/2"	24	10	10	80.00
331196	G 3/4"	30	12	5	68.00



33 1197



33 1197

THOMAFLUID® Industrial Screw Caps Made of Brass, Nickel-Plated – Light Design

Type: RCT®-LCK 120

Product specification:

- Design: Screw caps with G-external thread (cylindrical)

Cat. No.	External thread inch	WAF mm	Thread length mm	Unit piece	Price Euro
331197	G 1/8"	14	6	10	26.00
331198	G 1/4"	17	8	10	34.00
331199	G 3/8"	19	9	10	38.00
331200	G 1/2"	24	10	10	56.00
331201	G 3/4"	30	12	10	78.00

THOMAFLUID® Pneumatic Industrial Fittings – Heavy Design

Application areas:

- Fluid technology
- Welding technology
- Compressed air technology
- Measurement and control technology
- Automation
- Apparatus engineering

General technical specification:

- Material:** brass MS 58 (2.0401)
- Material composition:** CuZn 39 Pb 3 - material 2.0401
- Max. operating pressure:** 12 bar at +20°C

COUPLING TECHNOLOGY

Thread types:

- a. Withworth thread according to ISO 228, referred to as „G-thread“
b. Withworth thread according to DIN 2999, referred to as „R-thread“

THOMAFIUID® Industrial Tubing Nozzle Connectors Made of Brass – Heavy Design Type: RCT®-LCK 116

Product specification:

- Design: Tubing nozzle connectors with equal connecting pieces at both sides

Cat. No.	For tubing inside Ø mm	Port mm	Length mm	Unit piece	Price Euro
331101	6	5	72	10	88.00
331102	8	7	72	10	98.00
331103	9	8	72	10	98.00
331104	11	9	75	10	130.00
331105	13	11	61	10	120.00
331106	19	16	65	5	102.00
331107	29	22	80	5	124.00

THOMAFIUID® Industrial Screw-in Nozzle (swivelling) Made of Brass – Heavy Design Type: RCT®-LCK 116

Product specification:

- Design: Swivelling threaded nozzle with R-external thread (conical) according to DIN 2999 and Loctite-coated

Cat. No.	For tubing inside Ø mm	External thread inch	Port mm	WAF mm	Length nozzle mm	Unit piece	Price Euro
331108	6	R 1/4"	5	17	25	5	106.00
331109	9	R 1/4"	6	17	25	5	112.00
331110	6	R 3/8"	5	19	25	5	118.00



33 1101



33 1108

331111	9	R 3/8"	7	19	25	5	118.00
331112	11	R 3/8"	7	19	25	5	124.00

THOMAFIUID® Industrial Screw-in Nozzle (rigid) Made of Brass – Heavy Design Type: RCT®-LCK 115

Product specification:

- Design: Threaded nozzle with G-external thread (cylindrical) according to ISO 228 and internal cone (37°)

Cat. No.	For tubing inside Ø mm	External thread inch	Port mm	WAF mm	Length nozzle mm	Unit piece	Price Euro
331059	6	G 1/8"	5	13	7	10	36.00
331060	9	G 1/8"	5	13	7	10	38.00
311061	6	G 1/4"	5	17	9	10	48.00
331062	8	G 1/4"	6	17	9	10	48.00
331063	9	G 1/4"	7	17	9	10	42.00
331064	11	G 1/4"	8	17	9	10	72.00
331065	13	G 1/4"	8	17	9	10	52.00
331066	6	G 3/8"	5	19	10	10	56.00
331067	8	G 3/8"	6	19	10	10	54.00
331068	9	G 3/8"	7	19	10	10	54.00
331069	11	G 3/8"	8	19	10	10	74.00



33 1059



33 1074

331070	13	G 3/8"	9.5	19	10	10	52.00
331071	6	G 1/2"	5	24	10	10	90.00
331072	9	G 1/2"	7	24	10	10	72.00
331073	13	G 1/2"	11	24	10	10	74.00

THOMAFIUID® Industrial Tubing Nozzle with External Cone – Heavy Design Type: RCT®-LCK 115

Product specification:

- Design: Tubing nozzle with external cone, but without cap nut

Cat. No.	For tubing inside Ø mm	Port mm	Length mm	Cap nut	Unit piece	Price Euro
331074	6	4	40	331083	10	36.00
331075	6	4	42	331084	10	36.00
331076	9	5.5	42	331084	10	36.00
331077	6	4	47	331085	10	50.00
331078	9	6.5	47	331085	10	50.00
331079	11	7	47	331085	10	60.00
331080	6	4	47	331086	10	68.00
331081	9	6.5	47	331086	10	68.00
331082	13	9	47	331086	10	68.00

THOMAFIUID® Industrial Cap Nuts for Tubing Nozzles – Heavy Design Type: RCT®-LCK 115

Product specification:

- Accessories: Fitting to THOMAFIUID® tubing nozzles with external cone

THOMAFLUID® Industrial Cap Nuts for Tubing Nozzles – Heavy Design
Type: RCT®-LCK 115

Cat. No.	External thread inch	Port mm	WAF mm	Length mm	Unit piece	Price Euro
331083	G 1/8"	7.2	13	12	10	30.00
331084	G 1/4"	10.6	17	14	10	30.00
331085	G 3/8"	13.0	19	15	10	30.00
331086	G 1/2"	15.5	24	16	10	40.00

THOMAFLUID® Industrial Double Nipple Made of Brass – Heavy Design
Type: RCT®-LCK 116

Product specification:

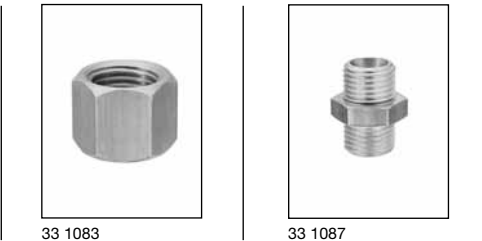
- Accessories: Double nipple, fitted with identical G-external thread (cylindrical) and internal cone (37°) on both sides

Cat. No.	External thread inch	Thread length mm	Port mm	WAF mm	Unit piece	Price Euro
331087	G 1/8"	7	5	13	10	34.00
331088	G 1/8"	7	5	17	10	42.00
331089	G 1/4"	9	7.5	17	10	42.00
331090	G 1/4"	9	7.5	19	10	50.00
331091	G 1/4"	9	7.5	24	10	84.00
331092	G 3/8"	10	9	19	10	50.00
331093	G 3/8"	10	9	24	10	74.00
331094	G 1/2"	12.5	12	24	10	78.00

THOMAFLUID® Industrial Reducing Nipple Made of Brass – Heavy Design
Type: RCT®-LCK 116

Product specification:

- Accessories: Reducing nipple, G-internal thread at one side,



G-external thread at the other side

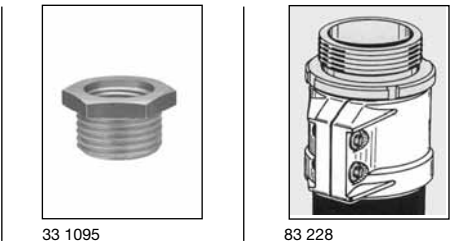
Cat. No.	Internal thread inch	External thread inch	WAF mm	Length mm	Unit piece	Price Euro
331095	G 1/8"	G 1/4"	17	13	10	32.00
331096	G 1/4"	G 3/8"	19	14	10	34.00
331097	G 1/4"	G 1/2"	24	15	10	46.00
331098	G 3/8"	G 1/2"	24	15	10	40.00
331099	G 1/2"	G 3/4"	32	21	5	76.00
331100	G 1/2"	G 1"	36	20	5	120.00

THOMAFLUID® Screwed Fitting with External Thread Made of Brass for Industrial Chemical Tubing
Type: NODVOL®-VC-LOC

Product specification:

- The male tubing screwed fittings have reusable grip jaws made of compression moulded aluminium. The screws and nuts are zinc-plated and chromatinized.
- The tubing connections with external thread are made of compression moulded brass.
- Nominal pressure up to 25 bar.

Cat. No.	For tubing inside Ø mm	For pipes outside Ø mm	External thread inch	Unit piece	Price Euro
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83228	25	36 – 39	R 1"	1	39.00
83229	38	50 – 53	R 1 1/2"	1	49.00
83230	50	63 – 67	R 2"	1	62.00
83231	63	78 – 82	R 2 1/2"	1	85.00
83232	75	88 – 93	R 3"	1	85.00
83233	80	94 – 97	R 3"	1	116.00
83234	100	114 – 119	R 4"	1	192.00

THOMAFLUID® Screwed Fitting with Internal Thread Made of Brass for Industrial Chemical Tubing
Type: NODVOL®-MC-LOC

Product specification:

- The female tubing screwed fittings have reusable grip jaws made of compression moulded aluminium. The screws and nuts are zinc-plated and chromatinized.
- The tubing connections and the locking nuts are made of compression moulded brass. The flange gasket consists of rigid polyurethane.
- Nominal pressure up to 25 bar.

Cat. No.	For tubing inside Ø mm	For pipes outside Ø mm	Internal thread inch	Unit piece	Price Euro
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83217	25	36 – 39	R 1"	1	34.00
83218	35	46 – 48	R 1 1/2"	1	68.00
83219	35	46 – 48	R 2"	1	74.00
83220	38	50 – 53	R 1 1/2"	1	74.00
83221	45	58 – 61	R 2"	1	82.00
83222	50	63 – 67	R 2"	1	74.00
83223	63	78 – 82	R 2 1/2"	1	85.00
83224	75	88 – 93	R 3"	1	103.00

COUPLING TECHNOLOGY

Tubing Squeeze Connections
Made of Brass and Steel for
Pneumatics

THOMAFLUID® Tubing Squeeze
Connections Made of Brass and Steel for
Pneumatics
Type: RCT®-LCK 112

- Swivelling squeeze screwings with conical R-external thread (DIN 2999).
- Complete with plastic antikink and antiscratch device.
- Thread coated with Loctite.

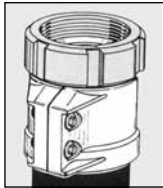
Cat. No.	NW mm	External thread inch	Port mm	Unit piece	Price Euro
330969	4/6	R 1/4"	3	5	68.00
330970	5/8	R 1/4"	4.5	5	70.00
330971	6.5/10	R 1/4"	5.5	5	75.00
330972	8/12	R 1/4"	7	5	80.00
330973	8/12	R 3/8"	7	5	82.00
330974	9/13	R 3/8"	8	5	95.00

Application areas:

- For adaption to rigid tubing such as PUR, PA, PE as well as PTFE



83 217 (see page 10)



83 217 (see page 10)

- For completion of pressure tubing and spiral tubing
- Usable as connecting pieces at pressure lines or pressure tools

General product specification:

- All connectors are redetachable and consequently reusable due to highly qualified squeeze connection technology.
- All connectors with largest possible port for optimal flow rate.
- All connectors are specifically matched to PUR and hardness degree (Shore hardness A 95°).
- Extremely high tensile and pressure strength guaranteed.
- External thread conical (Whitworth) pipe thread (DIN 2999), referred to as „R-thread“ and Loctite-coated.
- Internal thread cylindrical (Whitworth) pipe thread (ISO 228), referred to as „G-thread“.
- One-hand handling quick-release couplings with standard DN 7.2-system.
- Swivelling screwings with double O-ring seal and Seeger circlip ring (under pressure easy to turn)
- All connectors with plastic antikink and antiscratch device.

General technical specification:

- **Material:** brass MS 58 (2.0401)
- **Material composition:** CuZn 39 Pb3 - material 2.0401
- **Material:** steel (1.0718)
- **Material composition:** 9SMnPb28 - material 1.0718
- **Temperature range:** -40 to +85 °C
- **Max. operating pressure:** 15 bar at +20 °C
- **Thread:** Whitworth pipe thread according to ISO 228 (internal thread) and DIN 2999 (external thread)
- **Connection type:** swivelling or rigid, depending on type

THOMAFLUID® Screw-in Tubing Squeeze
Connections Made of Steel – Swivelling
Type: RCT®-LCK 112

Product specification:

- Swivelling squeeze screwing with conical R-external thread (DIN 2999).
- Complete with plastic antikink and antiscratch device.
- Thread coated with Loctite.

Cat. No.	NW mm	External thread inch	Port mm	Unit piece	Price Euro
330975	11/16	R 1/2"	10	3	105.00

THOMAFLUID® Screw-on Tubing Squeeze
Connections Made of Brass – Swivelling
Type: RCT®-LCK 112

Product specification:

- Swivelling squeeze screwing with cylindrical R-internal thread (ISO 228).
- Complete with plastic antikink and antiscratch device.



33 0969



33 0976

Cat. No.	NW mm	Internal thread inch	Port mm	Unit piece	Price Euro
330976	4/6	R 1/4"	3	5	68.00
330977	5/8	R 1/4"	4.5	5	70.00
330978	6.5/10	R 1/4"	5.5	5	75.00
330979	8/12	R 1/4"	7	5	80.00
330980	8/12	R 3/8"	7	5	82.00
330981	9/13	R 3/8"	8	5	95.00

THOMAFLUID® Screw-in Tubing Squeeze
Connections Made of Brass – Swivelling
Type: RCT®-LCK 112

Product specification:

THOMAFLUID® Screw-on Tubing Squeeze Connections Made of Steel – Swivelling Type: RCT®-LCK 112

Product specification:

- Swivelling squeeze screwing with cylindrical G-internal thread (ISO 228).
- Complete with plastic antikink and antiscratch device.

Cat. No.	NW mm	Internal thread inch	Port mm	Unit piece	Price Euro
330982	11/16	G 1/2"	10	3	105.00

THOMAFLUID® Screw-in Tubing Squeeze Connections Made of Brass – Rigid Type: RCT®-LCK 112

Product specification:

- Rigid squeeze screwing with conical R-external thread (DIN 2999).
- Complete with plastic antikink and antiscratch device.
- Thread coated with Loctite.

Cat. No.	NW mm	External thread inch	Port mm	Unit piece	Price Euro
330983	4/6	R 1/4"	3	5	48.00
330984	5/8	R 1/4"	4.5	5	50.00
330985	6.5/10	R 1/4"	5.5	5	54.00
330986	8/12	R 1/4"	7	5	58.00
330987	8/12	R 3/8"	7	5	58.00
330988	9/13	R 3/8"	8	5	70.00

THOMAFLUID® Screw-in Tubing Squeeze Connections Made of Steel – Rigid Type: RCT®-LCK 112

Product specification:



33 0983



33 0991

- Rigid squeeze screwing with conical R-external thread (DIN 2999).
- Complete with plastic antikink and antiscratch device.
- Thread coated with Loctite.

Cat. No.	NW mm	External thread inch	Port mm	Unit piece	Price Euro
331058	11/16	R 1/2"	10	3	66.00
330989	13/19	R 1/2"	12	3	94.00
330990	13/19	R 3/4"	12	3	94.00

THOMAFLUID®

THOMAFLUID® Screw-on Tubing Squeeze Connections Made of Brass – Rigid Type: RCT®-LCK 112

Product specification:

- Rigid squeeze screwing with cylindrical R-internal thread (ISO 228).
- Complete with plastic antikink and antiscratch device.

Cat. No.	NW mm	Internal thread inch	Port mm	Unit piece	Price Euro
330991	4/6	R 1/4"	3	5	48.00
330992	5/8	R 1/4"	4.5	5	50.00
330993	6.5/10	R 1/4"	5.5	5	54.00
330994	8/12	R 1/4"	7	5	58.00
330995	8/12	R 3/8"	7	5	58.00
330996	9/13	R 3/8"	8	5	70.00

THOMAFLUID® Screw-on Tubing Squeeze Connections Made of Steel – Rigid Type: RCT®-LCK 112

Product specification:

- Rigid squeeze screwing with cylindrical R-internal thread (ISO 228).
- Complete with plastic antikink and antiscratch device.

Cat. No.	NW mm	Internal thread inch	Port mm	Unit piece	Price Euro
330997	11/16	R 1/2"	10	3	66.00

THOMAFLUID® Tubing Squeeze Quick-Release Couplings – Female Part Type: RCT®-LCK 113

Product specification:



33 0998



33 0998

- One-hand handling quick-release coupling (female part).
- Complete with plastic antikink and antiscratch device.
- The THOMAFLUID® PUR high-tech chemical and pressure tubing, type RCT®-LCK 113, is specifically matched to these quick-release couplings referring to dimension and hardness.

Cat. No.	NW mm	Port mm	Design	Material	Unit piece	Price Euro
330998	4/6	5.0	swivelling	brass	5	76.00

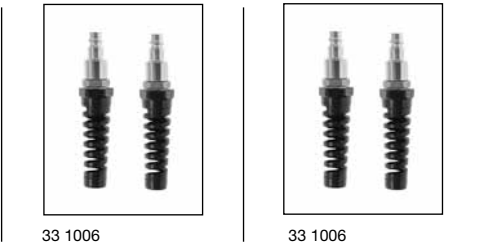
THOMAFUID® Tubing Squeeze Quick-Release Couplings – Female Part
Type: RCT®-LCK 113

Cat. No.	NW mm	Port mm	Design	Material	Unit piece	Price Euro
330999	5/8	7.2	swivelling	brass	5	78.00
331000	6.5/10	7.2	swivelling	brass	5	86.00
331001	8/12	7.2	swivelling	brass	5	88.00
331002	9/13	7.2	swivelling	brass	5	108.00
331003	4/6	5.0	rigid	brass	5	70.00
331004	5/8	7.2	rigid	brass	5	72.00
331207	6.5/10	7.2	rigid	brass	5	74.00
331208	8/12	7.2	rigid	brass	5	76.00
331005	9/13	7.2	rigid	brass	5	88.00

THOMAFUID® Tubing Squeeze Coupling Nipple – Male Part
Type: RCT®-LCK 113

- Product specification:**
- One-hand handling coupling nipple (male part).
 - Complete with plastic antikink and antiscratch device.
 - The THOMAFUID® PUR high-tech chemical and pressure tubing, type RCT®-LCK 113, is specifically matched to these coupling nipples referring to dimension and hardness.

Cat. No.	NW mm	Port mm	Design	Material	Unit piece	Price Euro
331006	4/6	5.0	swivelling	steel	5	56.00
331007	5/8	7.2	swivelling	steel	5	58.00
331008	6.5/10	7.2	swivelling	steel	5	64.00
331009	8/12	7.2	swivelling	steel	5	68.00
331010	9/13	7.2	swivelling	steel	5	88.00
331011	4/6	5.0	rigid	brass	5	48.00
331012	5/8	7.2	rigid	brass	5	52.00
331013	6.5/10	7.2	rigid	brass	5	56.00
331014	8/12	7.2	rigid	brass	5	58.00
331015	9/13	7.2	rigid	brass	5	70.00



Two-Part Connectors of Plastics

THOMAFUID® Quick-Disconnect Couplings

General product specification

- THOMAFUID® quick-disconnect couplings are excellently suited for connecting and disconnecting of tubes, apparatuses etc. The quick-disconnect couplings are easy to operate, connecting and disconnecting can be done by one hand. The coupling is self-locking when the nipple is plugged-in. For disconnection a short thumb pressure on the lock is sufficient to pull out the nipple easily. All nipples are fitted with an easily interchangeable, reliably sealing O-ring.
- A complete operable THOMAFUID® quick-disconnect coupling consists of a coupling part and a nipple part, both parts may be fitted with valves. A complete quick-disconnect coupling locking at one side consists of a coupling part with shut-off and a nipple part with port, or a coupling part with port and a nipple part with shut-off. To get a coupling locking at both sides, a coupling part as well as a nipple part, both with shut-off, have to be obtained.

POM Quick-Disconnect Couplings

THOMAFUID® POM Quick-Disconnect Couplings

- Application areas:**
- For compressed air, gases, liquids, and vacuum
 - Floor cleaning equipment
 - Filtration of deionized water
 - Dispensing equipment
 - Automated machines
 - Compression therapy
 - Leak detectors
- General product specification:**
- The couplings are made of thermoplastic acetal in the injection-moulding process. They are robust and usable with the most mild chemicals.
 - Resistant to alcohol, aldehydes, petrol, ethers, esters, glykols and motor oils, within the pH range of 4 to 9 also to alkalis and acids.

THOMAFUID® POM Quick-Disconnect Coupling, NW 3.2 mm

- General technical specification:**
- **Material:**
 - Housing: POM (polyacetal, polyoxymethylene)
 - Gaskets: NBR (butadiene-rubber)
 - Clip locking: high-quality steel 316
 - **Temperature range:** -40°C to +80°C
 - **Max. operating pressure:** 8.3 bar at +20°C; 6.9 bar at +20°C (micro quick-release connection)

THOMAFUID® POM Quick-Disconnect Coupling / Nipple, NW 3.2 mm

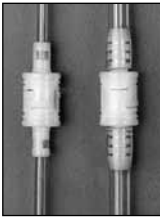
- Product specification:**
- Complete coupling with port or shut-off and hose nozzle at both

sides for piping connection. Consisting of a male and a female coupling part.

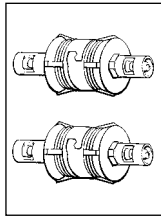
Cat. No.	Connection type	Connection size	Valve	Length mm	Type mm	Unit piece	Price Euro
40913	nozzle	1.6	without	34	micro	3	39.00
40914	nozzle	3.2	without	41	micro	3	39.00
40915	nozzle	1.6	with	37	micro	3	69.00
40916	nozzle	3.2	with	41	micro	3	69.00

THOMAFLUID® POM Quick-Disconnect Coupling, NW 3.2 mm

Product specification:



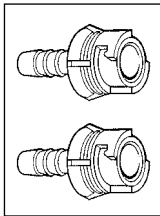
40 913



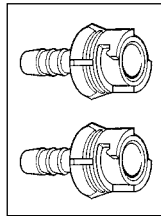
40 913

- Female coupling part. With port or shut-off and hose nozzle; external thread or pipe screwed fitting for piping connection. Fitting all male coupling parts of nominal width 3.2 mm.

Cat. No.	Connection type	Connection size	Valve	Length mm	Type mm	Unit piece	Price Euro
40919	nozzle	1.6	without	19	micro	3	24.00
40920	nozzle	3.2	without	23	micro	3	24.00
40921	nozzle	1.6	with	23	micro	3	60.00
40922	nozzle	3.2	with	23	micro	3	60.00
40930	externalthread	NPT 1/8"	without	22	micro	3	27.00
40929	externalthread	NPT 1/8"	with	22	micro	3	27.00
51324	nozzle	1.6	without	36	standard	1	19.00



40 919



40 919

51277	nozzle	3.2	without	42	standard	1	19.00
51394	nozzle	4.8	without	47	standard	1	19.00
51278	nozzle	6.4	without	47	standard	1	19.00
51275	pipe	4.0	without	42	standard	1	22.00
51276	pipe	6.4	without	45	standard	1	22.00
51260	externalthread	NPT 1/8"	without	25	standard	1	19.00
51261	externalthread	NPT 1/4"	without	28	standard	1	19.00
51298	internalthread	UNF	without	32	standard	1	20.00
51353	nozzle	1.6	with	36	standard	1	23.00
51300	nozzle	3.2	with	42	standard	1	23.00
51354	nozzle	4.8	with	47	standard	1	23.00

THOMAFLUID® POM Quick-Disconnect Coupling, NW 3.2 mm

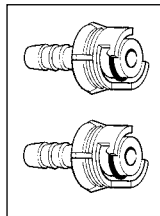
Cat. No.	Connection type	Connection size	Valve	Length mm	Type mm	Unit piece	Price Euro
51301	nozzle	6.4	with	47	standard	1	25.00
51329	pipe	4.0	with	42	standard	1	25.00
51299	pipe	6.4	with	45	standard	1	27.00
51283	externalthread	NPT 1/8"	with	25	standard	1	19.00
51284	externalthread	NPT 1/4"	with	28	standard	1	20.00
51356	internalthread	UNF 10-32	with	32	standard	1	24.00

THOMAFLUID® POM Quick-Disconnect Nipple, NW 3.2 mm

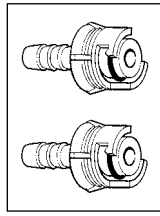
Product specification:

- Male coupling part. With port or shut-off and hose nozzle; external thread or pipe screwed fitting for piping connection. Fitting all female coupling parts of nominal width 3.2 mm.

Cat. No.	Connection type	Connection size	Valve	Length mm	Type mm	Unit piece	Price Euro
40917	nozzle	1.6	without	19	micro	3	24.00
40918	nozzle	3.2	without	23	micro	3	24.00
51359	nozzle	1.6	without	20	standard	1	12.00
51316	nozzle	3.2	without	27	standard	1	12.00
51361	nozzle	4.8	without	31	standard	1	12.00
51317	nozzle	6.4	without	31	standard	1	12.00
51358	pipe	4.0	without	29	standard	1	13.00
51311	pipe	6.4	without	29	standard	1	13.00
51312	pipe	9.6	without	36	standard	1	13.00
51306	externalthread	NPT 1/8"	without	26	standard	1	13.00
51307	externalthread	NPT 1/4"	without	29	standard	1	13.00
51357	internalthread	UNF 10-32	without	16	standard	1	12.00
51378	nozzle	1.6	with	27	standard	1	21.00
51340	nozzle	3.2	with	42	standard	1	21.00
51379	nozzle	4.8	with	48	standard	1	21.00
51341	nozzle	6.4	with	43	standard	1	21.00
51377	pipe	4.0	with	42	standard	1	21.00



40 917



40 917

51335	pipe	6.4	with	40	standard	1	23.00
51336	pipe	9.6	with	39	standard	1	27.00
51330	externalthread	NPT 1/8"	with	37	standard	1	23.00
51331	externalthread	NPT 1/4"	with	36	standard	1	23.00
51376	internalthread	UNF 10-32	with	33	standard	1	18.00

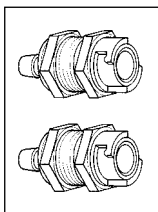
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THOMAFLOW® POM Quick-Disconnect Coupling, NW 3.2 mm for Control Panel Mounting

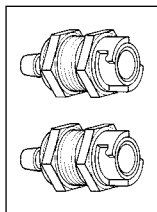
Product specification:

- Female coupling part. With port or shut-off and hose nozzle; external thread or pipe screwed fitting for control panel mounting. Fitting all male coupling parts of nominal width 3.2 mm.

Cat. No.	Connection type	Connection size mm/inch	Valve	Control panel bore mm	Length mm	Type	Unit piece	Price Euro
40925	nozzle	1.6	without	11	19	micro	3	33.00
40926	nozzle	3.2	without	11	23	micro	3	33.00
40927	nozzle	1.6	with	11	23	micro	3	75.00
40928	nozzle	3.2	with	11	23	micro	3	75.00



40 925



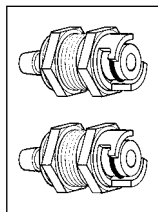
40 925

51267	nozzle	1.6	without	13	36	standard	1	22.00
51268	nozzle	3.2	without	13	42	standard	1	22.00
51272	nozzle	4.8	without	13	47	standard	1	22.00
51269	nozzle	6.4	without	13	47	standard	1	22.00
51264	pipe	4.0	without	13	43	standard	1	23.00
51265	pipe	6.4	without	13	44	standard	1	23.00
51320	internalthread	UNF 10-32	without	13	32	standard	1	22.00
51290	nozzle	1.6	with	13	36	standard	1	25.00
51291	nozzle	3.2	with	13	42	standard	1	25.00
51305	nozzle	4.8	with	13	47	standard	1	25.00
51292	nozzle	6.4	with	13	47	standard	1	25.00
51287	pipe	4.0	with	13	43	standard	1	27.00
51288	pipe	6.4	with	13	44	standard	1	27.00
51313	internalthread	UNF 10-32	with	13	32	standard	1	25.00

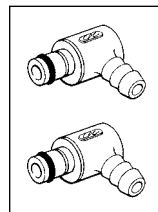
THOMAFLOW® POM Quick-Disconnect Nipple, NW 3.2 mm – for Control Panel Mounting

Cat. No.	Connection type	Connection size mm	Valve	Control panel bore mm	Length mm	Type	Unit piece	Price Euro
51383	nozzle	6.4	with	16	50	standard	1	24.00
51387	pipe	6.4	with	16	46	standard	1	22.00

THOMAFLOW® POM Elbow Quick-Disconnect Nipple, NW 3.2 mm



40 923



10 289

Product specification:

- Male coupling part. With port or shut-off and hose nozzle or pipe screwed fitting for piping connection. Fitting all female coupling parts of nominal width 3.2 mm.

Cat. No.	Connection type	Connection size mm	Valve	Length mm	Unit piece	Price Euro
10289	nozzle	3.2	without	22	1	17.00
10290	nozzle	6.4	without	25	1	17.00
10295	pipe	4.0	without	30	1	17.00
10285	nozzle	3.2	with	31	1	21.00
10286	nozzle	6.4	with	31	1	21.00
10293	pipe	6.4	with	31	1	21.00

THOMAFLOW® POM Quick-Disconnect Nipple, NW 3.2 mm – for Control Panel Mounting

Product specification:

- Male coupling part. With port or shut-off and hose nozzle; external thread or pipe screwed fitting for control panel mounting. Fitting all female coupling parts of nominal width 3.2 mm.

Cat. No.	Connection type	Connection size mm	Valve	Control panel bore mm	Length mm	Type	Unit piece	Price Euro
40923	nozzle	1.6	without	11	19	micro	3	33.00
40924	nozzle	3.2	without	11	23	micro	3	33.00
51363	nozzle	3.2	without	13	41	standard	1	14.00
51364	nozzle	4.8	without	13	47	standard	1	14.00
51365	nozzle	6.4	without	13	47	standard	1	14.00
51369	pipe	6.4	without	13	45	standard	1	17.00
51381	nozzle	3.2	with	16	45	standard	1	24.00
51382	nozzle	4.8	with	16	50	standard	1	24.00

THOMAFLOW® POM Quick-Disconnect Coupling, NW 6.4 mm

General technical specification:

- Material:**
Housing: POM (polyacetal, polyoxymethylene)
Gaskets: NBR (butadiene-rubber)
Clip locking: high-quality steel 316
- Temperature range:** -40°C to +80°C
- Max. operating pressure:** 8.3 bar at +20°C

THOMAFLOW® POM Quick-Disconnect Coupling, NW 6.4 mm

Product specification:

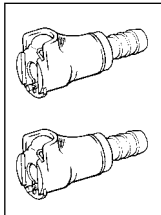
- Female coupling part. With port or shut-off and hose nozzle; external thread or pipe screwed fitting for piping connection. Fitting all male coupling parts of nominal width 6.4 mm.

THOMAFLUID® POM Quick-Disconnect Coupling, NW 6.4 mm

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
51280	nozzle	6.4	without	50	1	22.00
51315	nozzle	8.0	without	50	1	22.00
51281	nozzle	9.6	without	50	1	22.00
51279	pipe	9.6	without	50	1	35.00
51262	externalthread	NPT 1/4"	without	30	1	26.00
51263	externalthread	NPT 3/8"	without	29	1	26.00
51303	nozzle	6.4	with	50	1	27.00
51355	nozzle	8.0	with	50	1	27.00
51304	nozzle	9.6	with	50	1	27.00
51302	pipe	9.6	with	50	1	38.00
51285	externalthread	NPT 1/4"	with	30	1	26.00



51 280



51 280

51286	externalthread	NPT 3/8"	with	29	1	30.00
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THOMAFLUID® POM Quick-Disconnect Nipple, NW 6.4 mm

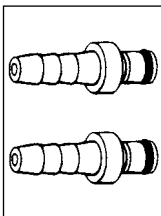
Product specification:

- Male coupling part. With port or shut-off and hose nozzle; external thread or pipe screwed fitting for piping connection. Fitting all female coupling parts of nominal width 6.4 mm.

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
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51 318



51 318

51318	nozzle	6.4	without	34	1	12.00
51362	nozzle	8.0	without	34	1	12.00
51319	nozzle	9.6	without	35	1	12.00
51314	pipe	9.6	without	35	1	14.00
51308	externalthread	NPT 1/4"	without	32	1	13.00
51309	externalthread	NPT 3/8"	without	32	1	15.00
51342	nozzle	6.4	with	51	1	22.00
51380	nozzle	8.0	with	51	1	22.00
51343	nozzle	9.6	with	46	1	22.00
51338	pipe	9.6	with	46	1	27.00
51332	externalthread	NPT 1/4"	with	42	1	23.00
51333	externalthread	NPT 3/8"	with	41	1	23.00

THOMAFLUID® POM Quick-Disconnect Coupling, NW 6.4 mm – for Control Panel Mounting

Product specification:

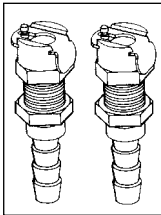
- Female coupling part. With port or shut-off and hose nozzle; external thread or pipe screwed fitting for control panel mounting. Fitting all male coupling parts of nominal width 6.4 mm.

Cat. No.	Connection type	Connection size mm	Valve	Control panel bore mm	Length mm	Unit piece	Price Euro
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51270	nozzle	6.4	without	18	50	1	35.00
51282	nozzle	8.0	without	18	50	1	35.00
51271	nozzle	9.6	without	18	50	1	35.00



51 270



51 270

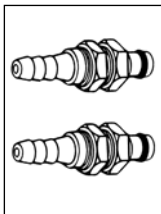
51266	pipe	9.6	without	18	50	1	34.00
51294	nozzle	6.4	with	18	50	1	30.00
51310	nozzle	8.0	with	18	50	1	30.00
51295	nozzle	9.6	with	18	50	1	30.00
51289	pipe	9.6	with	18	50	1	40.00

THOMAFLUID® POM Quick-Disconnect Nipple, NW 6.4 mm – for Control Panel Mounting

Product specification:



51 366



51 366

- Male coupling part. With port or shut-off and hose nozzle; external thread or pipe screwed fitting for control panel mounting. Fitting all female coupling parts of nominal width 6.4 mm.

Cat. No.	Connection type	Connection size mm	Valve	Control panel bore mm	Length mm	Unit piece	Price Euro
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51366	nozzle	6.4	without	18	49	1	15.00
51367	nozzle	8.0	without	18	49	1	15.00

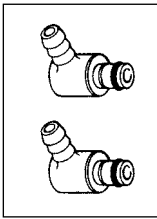
COUPLING TECHNOLOGY

THOMAFLUID® POM Quick-Disconnect Nipple, NW 6.4 mm – for Control Panel Mounting

Cat. No.	Connection type	Connection size mm	Valve	Control panel bore mm	Length mm	Unit piece	Price Euro
51368	nozzle	9.6	without	18	49	1	15.00
51370	pipe	6.4	without	18	45	1	17.00
51371	pipe	9.6	without	18	45	1	17.00
51384	nozzle	6.4	with	23	52	1	25.00
51385	nozzle	8.0	with	23	52	1	25.00
51386	nozzle	9.6	with	23	52	1	25.00
51388	pipe	6.4	with	23	49	1	24.00
51389	pipe	9.6	with	23	52	1	24.00



10 291



10 291

- **Temperature range:** -40°C to +80°C
- **Max. operating pressure:** 8.3 bar at +20°C

THOMAFLUID® POM Full Plastic Quick-Disconnect Coupling, NW 6.4 mm

- Product specification:**
- Female full plastic coupling part. With shut-off and hose nozzle or external thread for piping connection. Fitting all male coupling parts of the series 16208-16212.

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
16204	externalthread	NPT 1/4"	with	36	2	19.00
16205	externalthread	NPT 3/8"	with	36	2	19.00
16206	nozzle	6.4	with	53	2	19.00
16207	nozzle	9.6	with	53	2	19.00



16 204



16 208

THOMAFLUID® POM Elbow Quick-Disconnect Nipple, NW 6.4 mm

- Product specification:**
- Male coupling part. With port or shut-off and hose nozzle or pipe screwed fitting for piping connection. Fitting all female coupling parts of nominal width 6.4 mm.

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
10291	nozzle	6.4	without	28	1	17.00
10292	nozzle	9.6	without	32	1	17.00
10296	pipe	9.6	without	30	1	17.00
10287	nozzle	6.4	with	33	1	21.00
10288	nozzle	9.6	with	33	1	21.00
10294	pipe	9.6	with	34	1	21.00

THOMAFLUID® POM Full Plastic Quick-Disconnect Nipple, NW 6.4 mm

- Product specification:**
- Male full plastic coupling part. With shut-off and hose nozzle or external thread for piping connection. Fitting all female coupling parts of the series 16204-16207.

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Design	Unit piece	Price unit
16208	externalthread	NPT 1/4"	with	45	straight	2	15.00
16209	nozzle	6.4	with	53	straight	2	15.00
16210	nozzle	9.6	with	49	straight	2	15.00
16211	nozzle	6.4	with	37	elbow	2	20.00
16212	nozzle	9.6	with	38	elbow	2	20.00

THOMAFLUID® POM Full Plastic Quick-Disconnect Coupling, NW 6.4 mm

- General product specification**
- This series with nominal width 6.4 mm has a plastic release button, a lower number of movable parts and a construction with smooth contours, therefore easy to operate delivering an excellent flow rate at compact size.

- General technical specification:**
- **Material:**
Housing: POM (polyacetal, polyoxymethylene)
Gaskets: NBR (butadiene-rubber)
Clip locking: POM (polyacetal, polyoxymethylene)

THOMAFLUID® POM Quick-Disconnect Couplings, NW 5 mm

- General technical specification:**
- **Material:**
Housing: POM black (polyacetal, polyoxymethylene)
Gasket: NBR (butadiene-rubber)
Pressure springs: high-quality steel 1.4310
 - **Temperature range:** -20°C to +80°C
 - **Max. operating pressure:** 10 bar at +20°C

THOMAFLUID® POM Quick-Disconnect Coupling, NW 5 mm

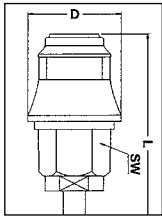
Product specification:

- Female coupling part. With shut-off and hose nozzle; thread or pipe screwed fitting for piping connection. Fitting all male coupling parts of nominal width 5 mm.

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
15847	nozzle	4.0	with	60	1	20.00
15848	nozzle	6.0	with	60	1	20.00
15851	pipe	6.0	with	56	1	22.00
15852	pipe	8.0	with	56	1	22.00
15855	external thread	G 1/8"	with	50	1	20.00



15 847



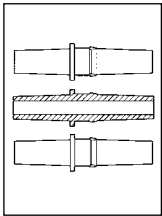
15 847

15856	external thread	G 1/4"	with	52	1	20.00
15857	internal thread	G 1/8"	with	53	1	20.00
15858	internal thread	G 1/4"	with	39	1	20.00

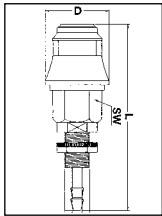
THOMAFLUID® POM Quick-Disconnect Nipple, NW 5 mm

Product specification:

- Male coupling part. With port or shut-off and hose nozzle; thread or pipe screwed fitting for piping connection. Fitting all female coupling parts of nominal width 5 mm.



15 871



15 849

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
15871	nozzle	4.0	without	32	5	25.00
15872	nozzle	6.0	without	32	5	25.00
15875	pipe	6.0	without	32	5	39.00
15876	pipe	8.0	without	32	5	39.00
15879	external thread	G 1/8"	without	25	5	39.00
15880	external thread	G 1/4"	without	28	5	39.00
15881	internal thread	G 1/8"	without	25	5	39.00

THOMAFLUID® POM Quick-Disconnect Nipple, NW 5 mm

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
15882	internal thread	G 1/4"	without	26	5	39.00
15895	nozzle	4.0	with	46	1	19.00
15896	nozzle	6.0	with	46	1	19.00
15899	pipe	6.0	with	42	1	19.00
15900	pipe	8.0	with	42	1	19.00
15903	external thread	G 1/8"	with	36	1	19.00
15904	external thread	G 1/4"	with	38	1	19.00
15905	internal thread	G 1/8"	with	39	1	19.00
15906	internal thread	G 1/4"	with	41	1	19.00

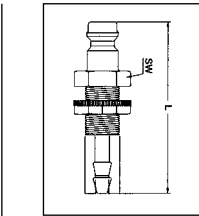
THOMAFLUID® POM Quick-Disconnect Coupling, NW 5 mm – for Control Panel Mounting

Product specification:

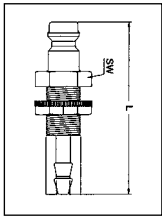
- Female coupling part. With shut-off and hose nozzle or pipe screwed fitting for control panel mounting. Fitting all male coupling parts of nominal width 5 mm.

Cat. No.	Connection type	Connection size mm	Valve	Control panel bore mm	Length mm	Unit piece	Price Euro
15849	nozzle	4.0	with	10	74	1	29.00
15850	nozzle	6.0	with	12	74	1	29.00
15853	pipe	6.0	with	10	68	1	32.00
15854	pipe	8.0	with	12	68	1	32.00

THOMAFLUID® POM Quick-Disconnect Nipple, NW 5 mm – for Control Panel Mounting



15 873



15 873

Product specification:

- Male coupling part. With port or shut-off and hose nozzle or pipe screwed fitting for control panel mounting. Fitting all female coupling parts of nominal width 5 mm.

Cat. No.	Connection type	Connection size mm	Valve	Control panel bore mm	Length mm	Unit piece	Price Euro
15873	nozzle	4.0	without	10	50	5	39.00

COUPLING TECHNOLOGY

THOMAFLOW® POM Quick-Disconnect Nipple, NW 5 mm – for Control Panel Mounting

Cat. No.	Connection type	Connection size mm	Valve	Control panel bore mm	Length mm	Unit piece	Price Euro
15874	nozzle	6.0	without	12	50	5	39.00
15877	pipe	6.0	without	10	44	5	46.00
15878	pipe	8.0	without	12	44	5	46.00
15897	nozzle	4.0	with	10	60	1	20.00
15898	nozzle	6.0	with	12	60	1	20.00
15901	pipe	6.0	with	10	54	1	21.00
15902	pipe	8.0	with	12	54	1	21.00

THOMAFLOW® POM Quick-Disconnect Nipple, NW 7 mm

Product specification:

- Male coupling part. With port or shut-off and hose nozzle or thread for piping connection. Fitting all female coupling parts of nominal width 7 mm.

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
15928	nozzle	6.0	without	47	5	31.00
15929	nozzle	9.0	without	47	5	31.00
15930	nozzle	13.0	without	50	3	33.00
15931	external thread	G 1/4"	without	38.5	3	33.00
15932	external thread	G 3/8"	without	38.5	3	33.00

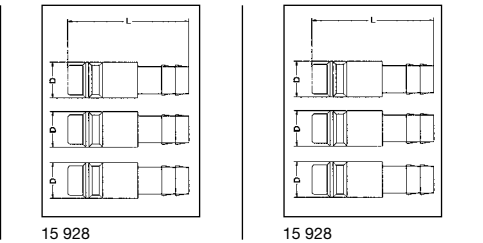
THOMAFLOW® POM Quick-Disconnect Couplings, NW 7 mm

General product specification:

- Temperature and pressure loadable plug-in coupling part for higher flow rates, biocompatible, made of impact-resistant polymer material.

General technical specification:

- Material:**
Housing: POM black (polyacetal, polyoxymethylene)
Gasket: NBR (butadiene-rubber)
Pressure springs: high-quality steel 1.4310
- Temperature range:** -20°C to +80°C
- Max. operating pressure:** 10 bar at +20°C

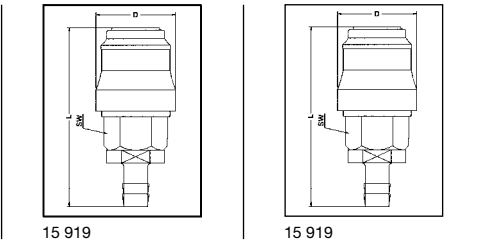


15933	external thread	G 1/2"	without	41.5	3	33.00
15934	internal thread	G 1/4"	without	35.5	3	33.00
15935	internal thread	G 3/8"	without	35.5	3	33.00
15936	internal thread	G 1/2"	without	38.5	3	39.00
15937	nozzle	6.0	with	35.5	1	21.00
15938	nozzle	9.0	with	35.5	1	21.00
15939	nozzle	13.0	with	65.5	1	23.00
15940	external thread	G 1/4"	with	55	1	22.00
15941	external thread	G 3/8"	with	51.5	1	22.00
15942	external thread	G 1/2"	with	58	1	24.00
15943	internal thread	G 1/4"	with	48	1	22.00
15944	internal thread	G 3/8"	with	48	1	22.00
15945	internal thread	G 1/2"	with	53	1	24.00

THOMAFLOW® POM Quick-Disconnect Coupling, NW 7 mm

Product specification:

- Female coupling part. With shut-off and hose nozzle or thread for piping connection. Fitting all male coupling parts of nominal width 7 mm.



Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
15919	nozzle	6.0	with	81	1	24.00
15920	nozzle	9.0	with	81	1	24.00
15921	nozzle	13.0	with	84	1	25.00
15922	external thread	G 1/4"	with	70.5	1	24.00
15923	external thread	G 3/8"	with	67	1	24.00
15924	external thread	G 1/2"	with	73.5	1	25.00
15925	internal thread	G 1/4"	with	63.5	1	24.00
15926	internal thread	G 3/8"	with	63.5	1	24.00
15927	internal thread	G 1/2"	with	74.5	1	25.00

THOMAFLOW® POM Quick-Disconnect Couplings, NW 12.2 mm

General product specification:

- Macro high-flow quick-disconnect coupling

General technical specification:

- Material:**
Housing: POM gray (polyacetal, polyoxymethylene)
Gasket: NBR (butadiene-rubber)
Pressure springs: high-quality steel 1.4571
- Temperature range:** -20°C to +80°C
- Max. operating pressure:** 10 bar at +20°C
- Cross sectional area of port:** 120 mm²

THOMAFLOW® POM Quick-Disconnect Coupling, NW 12.2 mm

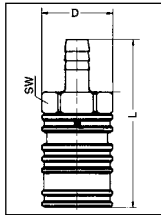
Product specification:

- Female coupling part. With shut-off and hose nozzle or thread for piping connection. Fitting all male coupling parts of nominal width 12.2 mm.

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
16013	nozzle	16.0	with	100	1	70.00
16014	nozzle	19.0	with	100	1	70.00
16015	external thread	G 1/2"	with	80	1	70.00
16016	external thread	G 3/4"	with	82	1	70.00
16017	internal thread	G 1/2"	with	81	1	70.00
16018	internal thread	G 3/4"	with	83	1	70.00



16 013



16 013

THOMAFUID® POM Quick-Disconnect Nipple, NW 12.2 mm

Product specification:

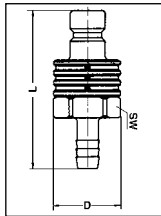
- Male coupling part. With port or shut-off and hose nozzle or thread for piping connection. Fitting all female coupling parts of nominal width 12.2 mm.

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
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16019	nozzle	16.0	with	98	1	44.00
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16 019



16 019

16020	nozzle	19.0	with	98	1	44.00
16021	external thread	G 1/2"	with	78	1	44.00
16022	external thread	G 3/4"	with	80	1	44.00
16023	internal thread	G 1/2"	with	79	1	44.00
16024	internal thread	G 3/4"	with	81	1	44.00
16025	nozzle	13.0	without	61	1	17.00
16026	nozzle	16.0	without	66	1	17.00
16027	nozzle	19.0	without	68.5	1	17.00
16028	external thread	G 1/2"	without	52.5	1	17.00
16029	external thread	G 3/4"	without	54.5	1	17.00
16030	internal thread	G 1/2"	without	54.5	1	17.00
16031	internal thread	G 3/4"	without	52.5	1	17.00

THOMAFUID® POM Quick-Disconnect Couplings, NW 30 mm

General product specification:

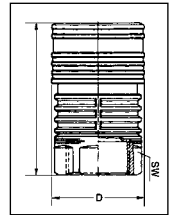
- Macro high-flow quick-disconnect coupling.
- Pressure loadable plug-in coupling part with very large through bore, made of resistant, gray-dyed polyacetal, for pipe screwed fittings or for connection of tubing with THOMAFUID® tube connecting pieces, cat. no. 16035 to 16038.

General technical specification:

- Material:**
Housing: POM gray (polyacetal, polyoxymethylene)
NBR (butadiene-rubber)
- Gasket:**
-20°C to +80°C
- Temperature range:**
-20°C to +80°C
- Max. operating pressure:**
10 bar at +20°C



16 032



16 032

- Cross sectional area of port:** 710 mm²

THOMAFUID® POM Quick-Disconnect Coupling, NW 30 mm

Product specification:

- Female coupling part. With port or shut-off and internal thread for piping connection. Fitting all male coupling parts of nominal width 30 mm.

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
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16032	internal thread	G 1 1/2"	with	114	1	137.00
16033	internal thread	G 2"	with	116	1	148.00
16034	internal thread	G 1 1/2"	without	84	1	114.00

THOMAFUID® POM Quick-Disconnect Nipple, NW 30 mm

Product specification:

- Male coupling part. With port or shut-off and internal thread for piping connection. Fitting all female coupling parts of nominal width 30 mm.

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
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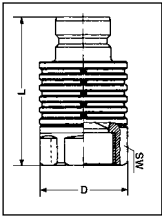
16039	internal thread	G 1 1/2"	with	114	1	96.00
16040	internal thread	G 2"	with	116	1	110.00
16041	internal thread	G 1 1/2"	without	66	1	40.00

COUPLING TECHNOLOGY

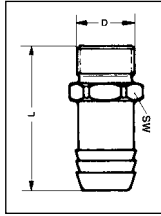
THOMAFUID® POM Tube Connecting Piece for High-Flow Macro Quick-Disconnect Couplings System: THOMAPLAST® TURBO-WR-3830

Product specification:

- Straight, pressure loadable adapter for connection of tubing with all 11/2 inch-dimensioned THOMAFUID® macro quick-disconnect couplings of the system „THOMAPLAST®-TURBO“ (cat. no. 16032, 16034, 16039, and 16041), hose nozzle for pilot plant oriented tubing diameters of 25 to 42 mm at one side, external thread 11/2" at the other side, made of resistant, gray-dyed polyacetal.
- Resistant to alcohol, aldehydes, petrol, ethers, esters, glykols and motor oils, within the pH range of 4 to 9 also to alkalis and acids.



16 039 (see page 20)



16 035

Technical specification:

- **Material:** POM gray (polyacetal, polyoxymethylene)
- **Connections:** one side pipe screwed fitting with external thread 1 1/2" according to DIN ISO 228, other side hose nozzle
- **Temperature range:** -40°C to +80°C
- **Max. operating pressure:** 10 bar at +20°C

Cat. No.	For tubing inside Ø mm	Port mm	Length mm	Width mm	Unit piece	Price Euro
16035	27	19	73	30	1	23.00
16036	34	22	77	37	1	23.00
16037	40	28	94	43	1	23.00
16038	45	32	94	48	1	23.00

PP Quick-Disconnect Couplings

THOMAFUID® PP Quick-Disconnect Couplings

Application areas:

- Microbiological testing equipment
- Electroplating liquids
- Sterilisation equipment
- Water pollution analysis
- General product specification:

- Polypropylene allows higher chemical resistances for more demanding applications compared to POM. The couplings are also sterilizable with gamma rays.
- Resistant to oils, petrol, acids etc.

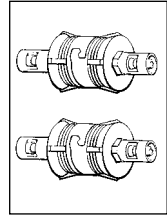
THOMAFUID® PP Quick-Disconnect Coupling, NW 3.2 mm

General technical specification:

- **Material:**
 - Housing: PP (polypropylene)
 - Gaskets: EPDM (ethylene-propylene-diene rubber)
 - Valve spring: high-quality steel 316
- **Temperature range:** 0°C to +80°C



40 931



40 931

- **Max. operating pressure:** 8.3 bar at +20°C;
6.9 bar at +20°C (micro quick-release connection)

THOMAFUID® PP Quick-Disconnect Coupling / Nipple, NW 3.2 mm

Product specification:

- Complete coupling with port and hose nozzle at both sides for piping connection. Consisting of a male and a female coupling part.

Cat. No.	Connec- tion type	Connec- tion size mm	Valve	Length mm	Type	Unit piece	Price Euro
40931	nozzle	1.6	without	34	micro	3	51.00
40932	nozzle	3.2	without	41	micro	3	51.00

THOMAFUID® PP Quick-Disconnect Coupling, NW 3.2 mm

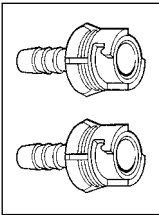
Product specification:

- Female coupling part. With port or shut-off and hose nozzle; external thread or pipe screwed fitting for piping connection. Fitting all male coupling parts of nominal width 3.2 mm.

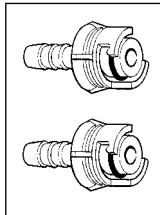
Cat. No.	Connec- tion type	Connec- tion size mm/inch	Valve	Length mm	Type	Unit piece	Price Euro
40935	nozzle	1.6	without	19	micro	3	33.00
40936	nozzle	3.2	without	23	micro	3	33.00

THOMAFLUID® PP Quick-Disconnect Coupling, NW 3.2 mm

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Type	Unit piece	Price Euro
40941	external thread	NPT 1/8"	without	22	micro	3	30.00
51510	nozzle	3.2	with	42	standard	1	27.00
51511	nozzle	6.4	with	48	standard	1	27.00
51514	pipe	6.4	with	44	standard	1	28.00
51500	external thread	NPT 1/8"	with	25	standard	1	21.00
51501	external thread	NPT 1/4"	with	28	standard	1	22.00



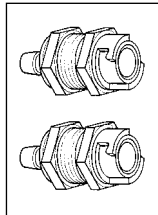
40 935 (see page 21)



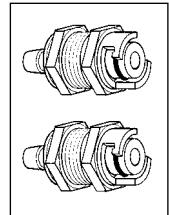
40 933

THOMAFLUID® PP Quick-Disconnect Coupling, NW 3.2 mm – for Control Panel Mounting

Cat. No.	Connection type	Connection size mm	Valve	Control panel bore mm	Length mm	Type	Unit piece	Price Euro
40939	nozzle	1.6	without	11	19	micro	3	48.00
40940	nozzle	3.2	without	11	23	micro	3	48.00
51506	nozzle	3.2	with	13	42	standard	1	27.00
51507	nozzle	6.4	with	13	47	standard	1	27.00
51504	pipe	6.4	with	13	44	standard	1	30.00



40 939



40 937

THOMAFLUID® PP Quick-Disconnect Nipple, NW 3.2 mm

Product specification:

- Male coupling part. With port or shut-off and hose nozzle or pipe screwed fitting for piping connection. Fitting all female coupling parts of nominal width 3.2 mm.

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Type	Unit piece	Price Euro
40933	nozzle	1.6	without	19	micro	3	33.00
40934	nozzle	3.2	without	23	micro	3	33.00
51518	nozzle	3.2	without	27	standard	1	14.00
51519	nozzle	6.4	without	31	standard	1	14.00
51516	pipe	6.4	without	29	standard	1	16.00
51524	nozzle	3.2	with	42	standard	1	22.00
51525	nozzle	6.4	with	43	standard	1	22.00
51522	pipe	6.4	with	40	standard	1	22.00

THOMAFLUID® PP Quick-Disconnect Nipple, NW 3.2 mm – for Control Panel Mounting

Product specification:

- Male coupling part. With port and hose nozzle for control panel mounting. Fitting all female coupling parts of nominal width 3.2 mm.

Cat. No.	Connection type	Connection size mm	Valve	Control panel bore mm	Length mm	Type	Unit piece	Price Euro
40937	nozzle	1.6	without	11	19	micro	3	48.00
40938	nozzle	3.2	without	11	23	micro	3	48.00

THOMAFLUID® PP Elbow Quick-Disconnect Nipple, NW 3.2 mm

Product specification:

- Male coupling part. With port or shut-off and hose nozzle or pipe screwed fitting for piping connection. Fitting all female coupling parts of nominal width 3.2 mm.

Cat. No.	Connection type	Connection size mm	Valve	Length mm	Unit piece	Price Euro
10277	nozzle	3.2	without	31	1	18.00
10278	nozzle	6.4	without	31	1	18.00
51390	nozzle	3.2	with	31	1	25.00
51391	nozzle	6.4	with	31	1	25.00
10281	pipe	6.4	without	31	1	22.00
10283	pipe	6.4	with	31	1	28.00

THOMAFLUID® PP Quick-Disconnect Coupling, NW 3.2 mm – for Control Panel Mounting

Product specification:

- Female coupling part. With port or shut-off and hose nozzle; external thread or pipe screwed fitting for control panel mounting. Fitting all male coupling parts of nominal width 3.2 mm.

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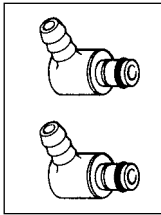
THOMAFLOW® PP Quick-Disconnect Coupling, NW 6 mm

General product specification:

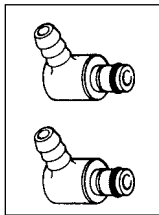
- High-flow macro quick-disconnect coupling

General technical specification:

- Material:**
Housing: PP (polypropylene), anthracite-gray
Gaskets: NBR (butadiene-rubber)
Valve spring: high-quality steel 1.4751
- Temperature range:** 0°C to +70°C
- Max. operating pressure:** 3 bar at +20°C



10 277 (see page 22)



10 277 (see page 22)

THOMAFLOW® PP Quick-Disconnect Coupling, NW 6.0 mm

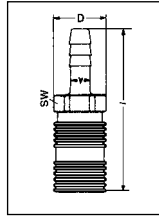
Product specification:

- Female coupling part. With shut-off and hose nozzle for piping connection. Fitting all male coupling parts of nominal width 6.0 mm.

Cat. No.	Connection type	Connection size mm	Valve	Length mm	Unit piece	Price Euro
14722	nozzle	7.0	with	68.3	1	47.00
14723	nozzle	9.0	with	73.3	1	47.00



14 722



14 722

14724	nozzle	11.0	with	73.3	1	47.00
14725	nozzle	13.0	with	73.3	1	47.00

THOMAFLOW® PP Quick-Disconnect Nipple, NW 6.0 mm

Product specification:

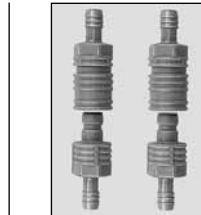
- Male coupling part. With shut-off and hose nozzle for piping

connection. Fitting all female coupling parts of nominal width 6.0 mm.

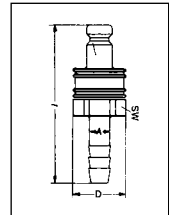
Cat. No.	Connection type	Connection size mm	Valve	Length mm	Unit piece	Price Euro
14718	nozzle	7.0	with	66.5	1	34.00
14719	nozzle	9.0	with	71.5	1	34.00
14720	nozzle	11.0	with	71.5	1	34.00
14721	nozzle	13.0	with	71.5	1	34.00

THOMAFLOW® PP Quick-Disconnect Coupling, NW 6.4 mm

General technical specification:



14 718



14 718

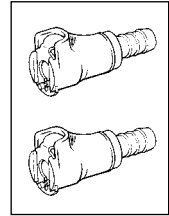
- Material:**
Housing: PP (polypropylene)
Gaskets: EPDM (ethylene-propylene-diene rubber)
Valve spring: high-quality steel 316
- Temperature range:** 0°C to +70°C
- Max. operating pressure:** 8.3 bar at +20°C

THOMAFLOW® PP Quick-Disconnect Coupling, NW 6.4 mm

Product specification:



51 512



51 512

- Female coupling part. With shut-off and hose nozzle; external thread or pipe screwed fitting for piping connection. Fitting all male coupling parts of nominal width 6.4 mm.

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
51512	nozzle	6.4	with	50	1	30.00
51513	nozzle	9.6	with	50	1	30.00
51515	pipe	9.6	with	50	1	33.00
51502	external thread	NPT 1/4"	with	29	1	26.00
51503	external thread	NPT 3/8"	with	29	1	26.00

THOMAFLUID® PP Quick-Disconnect Nipple, NW 6.4 mm

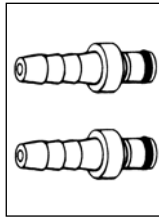
Product specification:

- Male coupling part. With port or shut-off and hose nozzle or pipe screwed fitting for piping connection. Fitting all female coupling parts of nominal width 6.4 mm.

Cat. No.	Connection type	Connection size mm	Valve	Length mm	Unit piece	Price Euro
51520	nozzle	6.4	without	34	1	17.00
51521	nozzle	9.6	without	34	1	17.00
51517	pipe	9.6	without	43	1	18.00
51526	nozzle	6.4	with	51	1	25.00
51527	nozzle	9.6	with	46	1	25.00
51523	pipe	9.6	with	46	1	27.00



51 520



51 520

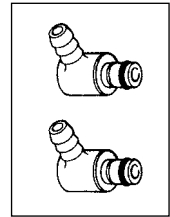
- Male coupling part. With port or shut-off and hose nozzle or pipe screwed fitting for piping connection. Fitting all female coupling parts of nominal width 6.4 mm.

Cat. No.	Connection type	Connection size mm	Valve	Length mm	Unit piece	Price Euro
10279	nozzle	6.4	without	36	1	18.00
10280	nozzle	9.6	without	36	1	18.00
51392	nozzle	6.4	with	36	1	25.00
51393	nozzle	9.6	with	36	1	25.00
10282	pipe	9.6	without	34	1	22.00
10284	pipe	9.6	with	34	1	28.00

THOMAFLUID® PP Quick-Disconnect Coupling, NW 7.2 mm



10 279



10 279

THOMAFLUID® PP Quick-Disconnect Coupling, NW 6.4 mm – for Control Panel Mounting

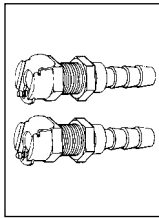
Product specification:

- Female coupling part. With shut-off and hose nozzle or pipe screwed fitting for control panel mounting. Fitting all male coupling parts of nominal width 6.4 mm.

Cat. No.	Connection type	Connection size mm	Valve	Control panel bore mm	Length mm	Unit piece	Price Euro
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51 508



10 279

General product specification:

- High-flow quick-disconnect coupling

General technical specification:

- Material:**
Housing: PP (polypropylene)
Gaskets: EPDM (ethylene-propylene-diene rubber)
- Valve spring: high-quality steel 316
- Temperature range:** 0°C to +70°C
- Max. operating pressure:** 7.2 bar at +20°C
2.8 bar at +60 °C



16 105



16 105

51508	nozzle	6.4	with	18	50	1	40.00
51509	nozzle	9.6	with	18	50	1	40.00
51505	pipe	9.6	with	18	50	1	40.00

THOMAFLUID® PP Quick-Disconnect Coupling, NW 7.2 mm

Product specification:

- Female coupling part. With shut-off and hose nozzle or external thread for piping connection. Fitting all male coupling parts of nominal width 7.2 mm.

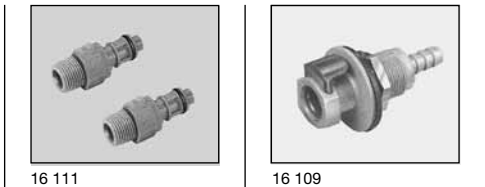
Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
16105	external thread	NPT 1/4"	with	58	1	20.00

THOMAFLUID® PP Elbow Quick-Disconnect Nipple, NW 6.4 mm

Product specification:

THOMAFLOW® PP Quick-Disconnect Coupling, NW 7.2 mm

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
16106	external thread	NPT 3/8"	with	58	1	20.00
16107	nozzle	6.4	with	57	1	20.00
16108	nozzle	9.6	with	57	1	20.00

THOMAFLOW® PP Quick-Disconnect Nipple, NW 7.2 mm**Product specification:**

- Male coupling part. With port or shut-off and hose nozzle or external thread for piping connection. Fitting all female coupling parts of nominal width 7.2 mm.

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
16111	external thread	NPT 1/4"	with	45	1	18.00
16112	external thread	NPT 3/8"	with	45	1	18.00
16113	nozzle	6.4	without	34	1	12.00
16114	nozzle	6.4	with	53	1	18.00
16115	nozzle	9.6	without	34	1	12.00
16116	nozzle	9.6	with	48	1	18.00

THOMAFLOW® PP Quick-Disconnect Coupling, NW 7.2 mm – for Control Panel Mounting**Product specification:**

- Female coupling part. With shut-off and hose nozzle for control panel mounting. Fitting all male coupling parts of nominal width 7.2 mm.

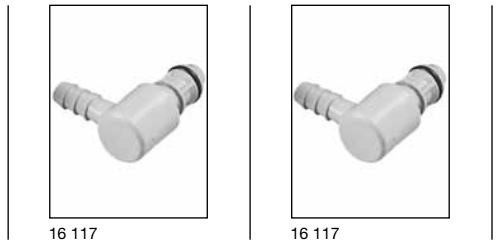
Cat. No.	Connection type	Connection size mm	Valve	Control panel bore mm	Length mm	Unit piece	Price Euro
16109	nozzle	6.4	with	18	57	1	29.00
16110	nozzle	9.6	with	18	57	1	29.00

THOMAFLOW® PP Elbow Quick-Disconnect Nipple, NW 7.2 mm**Product specification:**

- Male coupling part. With port or shut-off and hose nozzle for piping connection. Fitting all female coupling parts of nominal width 7.2 mm.

THOMAFLOW® PP Elbow Quick-Disconnect Nipple, NW 7.2 mm

Cat. No.	Connection type	Connection size mm	Valve	Length mm	Unit piece	Price Euro
16117	nozzle	6.4	without	37	1	15.00
16118	nozzle	6.4	with	37	1	21.00
16119	nozzle	9.6	without	37	1	15.00
16120	nozzle	9.6	with	37	1	21.00

THOMAFLOW® PP Quick-Disconnect Coupling, NW 9.6 mm**Application areas:**

- Chemicals for the photo development
- Battery filling systems
- Air mattress systems
- Spray systems
- Antifreeze recycling
- Heating and cooling systems
- General product specification:
- High-flow quick-disconnect coupling
- The particularly heavy-duty valve design of this series provides high flow rates and an exceptionally low dead volume.

General technical specification:

- **Material:**
 - Housing: PP (polypropylene)
 - Gaskets: EPDM (ethylene-propylene-diene rubber)
- **Valve spring:** high-quality steel 316
- **Temperature range:** 0°C to +70°C
- **Max. operating pressure:** 4 bar at +20°C; 2.0 bar at +60 °C

THOMAFLOW® PP Quick-Disconnect Coupling, NW 9.6 mm**Product specification:**

- Female coupling part. With port or shut-off and hose nozzle or external thread for piping connection. Fitting all male coupling parts of nominal width 9.6 mm.

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
16121	external thread	NPT 3/8"	without	73	1	19.00
16122	external thread	NPT 1/2"	without	73	1	19.00

THOMAFLUID® PP Quick-Disconnect Coupling, NW 9.6 mm

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
16123	external thread	NPT 3/4"	without	78	1	22.00
43480	external thread	NPT 3/8"	with	68	1	22.00
43481	external thread	NPT 1/2"	with	73	1	22.00
16126	external thread	NPT 3/4"	with	78	1	19.00
16127	nozzle	9.6	without	71	1	19.00
16128	nozzle	12.7	without	71	1	19.00
16129	nozzle	15.9	without	75	1	19.00
16130	nozzle	19.0	without	75	1	22.00
43476	nozzle	9.6	with	71	1	22.00
43477	nozzle	12.7	with	71	1	22.00



16 121 (see page 25)



16 121 (see page 25)

16133	nozzle	15.9	with	75	1	22.00
16134	nozzle	19.0	with	75	1	26.00

THOMAFLUID® PP Quick-Disconnect Nipple, NW 9.6 mm

Product specification:

- Male coupling part. With port or shut-off and hose nozzle or external thread for piping connection. Fitting all female coupling parts of nominal width 9.6 mm.

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
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43 486



43 486

43486	external thread	NPT 3/8"	without	45	1	15.00
43487	external thread	NPT 1/2"	without	50	1	15.00
16145	external thread	NPT 3/4"	without	54	1	18.00
43488	external thread	NPT 3/8"	with	48	1	20.00
43489	external thread	NPT 1/2"	with	53	1	20.00
16148	external thread	NPT 3/4"	with	54	1	24.00
43482	nozzle	9.6	without	50	1	12.00
43483	nozzle	12.7	without	50	1	12.00
16151	nozzle	15.9	without	54	1	12.00
16152	nozzle	19.0	without	54	1	12.00
43484	nozzle	9.6	with	53	1	19.00
43485	nozzle	12.7	with	53	1	19.00
16155	nozzle	15.9	with	54	1	19.00
16156	nozzle	19.0	with	57	1	22.00

THOMAFLUID® PP Quick-Disconnect Coupling, NW 9.6 mm – for Control Panel Mounting

Product specification:

- Female coupling part. With port or shut-off and hose nozzle for control panel mounting. Fitting all male coupling parts of nominal width 9.6 mm.

Cat. No.	Connection type	Connection size mm	Valve	Control panel bore mm	Length mm	Unit piece	Price Euro
16135	nozzle	9.6	without	30	71	1	26.00
16136	nozzle	12.7	without	30	71	1	26.00
16137	nozzle	15.9	without	30	75	1	26.00



16 135



16 135

16138	nozzle	19.0	without	30	75	1	29.00
43478	nozzle	9.6	with	30	71	1	29.00
43479	nozzle	12.7	with	30	71	1	29.00
16141	nozzle	15.9	with	30	75	1	29.00
16142	nozzle	19.0	with	30	75	1	32.00

THOMAFLUID® PP Elbow Quick-Disconnect Nipple, NW 9.6 mm

Product specification:

- Male coupling part. With port or shut-off and hose nozzle for piping connection. Fitting all female coupling parts of nominal width 9.6 mm.

Cat. No.	Connection type	Connection size mm	Valve	Length mm	Unit piece	Price Euro
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43 490



43 490

43490	nozzle	9.6	without	49.5	1	14.00
43491	nozzle	12.7	without	49.5	1	14.00
43492	nozzle	9.6	with	49.5	1	20.00
43493	nozzle	12.7	with	49.5	1	20.00

**Shopping per mouse click
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PSU Quick-Disconnect Couplings

THOMAFLOW® PSU Quick-Disconnect Couplings

Application areas:

- Filtration of deionized water
- Bioprocessing systems
- Pharmaceutical manufacturing
- Dispensing equipment
- Packaged bleaching agents
- Particle counter

General product specification:

- This series is robust, chemically resistant, autoclavable and suitable for demanding applications. The particularly heavy-duty valve design provides high flow rates and an exceptionally low dead volume. Polysulfone meets the highest requirements and features besides its high loading capacity chemical resistance and autoclaving.

THOMAFLOW® PSU Quick-Disconnect Coupling, NW 9.6 mm

General product specification

- High-flow quick-disconnect coupling

General technical specification:

- **Material:**
Housing: PSU (polysulfone)
Gaskets: EPDM (ethylene-propylene-diene rubber)
Valve spring: high-quality steel 316
- **Nominal width:** 9.6 mm
- **Temperature range:** 0°C to +70°C
- **Max. operating pressure:** 4.2 bar at +20°C;
2.0 bar at +60 °C



16 161



16 161

THOMAFLOW® PSU Quick-Disconnect Coupling, NW 9.6 mm

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
16162	external thread	NPT 1/2"	without	73	1	31.00
16163	external thread	NPT 3/4"	without	78	1	31.00
16164	external thread	NPT 3/8"	with	69	1	36.00
16165	external thread	NPT 1/2"	with	69	1	36.00
16166	external thread	NPT 3/4"	with	78	1	36.00
16173	nozzle	9.6	without	71	1	30.00
16174	nozzle	12.7	without	71	1	30.00
16175	nozzle	19.0	without	75	1	30.00
16176	nozzle	9.6	with	71	1	36.00
16177	nozzle	12.7	with	71	1	36.00
16178	nozzle	19.0	with	75	1	36.00

THOMAFLOW® PSU Quick-Disconnect Nipple, NW 9.6 mm

Product specification:

- Male coupling part. With port or shut-off and hose nozzle for piping connection. Fitting all female coupling parts of nominal width 9.6 mm.

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
16179	nozzle	9.6	without	49	1	16.00
16180	nozzle	12.7	without	49	1	16.00
16181	nozzle	19.0	without	52	1	16.00
16182	nozzle	9.6	with	52	1	26.00
16183	nozzle	12.7	with	52	1	26.00
16184	nozzle	19.0	with	55	1	26.00
16191	external thread	NPT 3/8"	without	46	1	17.00
16192	external thread	NPT 1/2"	without	49	1	17.00
16193	external thread	NPT 3/4"	without	56	1	17.00
16194	external thread	NPT 3/8"	with	49	1	28.00



16 179



16 179

THOMAFLOW® PSU Quick-Disconnect Coupling, NW 9.6 mm

Product specification:

- Female coupling part. With port or shut-off and hose nozzle or external thread for piping connection. Fitting all male coupling parts of nominal width 9.6 mm.

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
16161	external thread	NPT 3/8"	without	69	1	31.00

THOMAFLOW® PSU Quick-Disconnect Coupling, NW 9.6 mm – for Control Panel Mounting

Product specification:

- Female coupling part. With port or shut-off and hose nozzle for control panel mounting. Fitting all male coupling parts of nominal width 9.6 mm.

16195	external thread	NPT 1/2"	with	53	1	28.00
16196	external thread	NPT 3/4"	with	60	1	28.00

THOMAFLUID® PSU Quick-Disconnect Coupling, NW 9.6 mm – for Control Panel Mounting

Cat. No.	Connection type	Connection size mm	Valve	Control panel bore mm	Length mm	Unit piece	Price Euro
16167	nozzle	9.6	without	30	71	1	38.00
16168	nozzle	12.7	without	30	71	1	38.00
16169	nozzle	19.0	without	30	75	1	38.00
16170	nozzle	9.6	with	30	71	1	45.00
16171	nozzle	12.7	with	30	71	1	45.00
16172	nozzle	19.0	with	30	75	1	45.00



16 167



16 167

THOMAFLUID® PSU Elbow Quick-Disconnect Nipple, NW 9.6 mm

Product specification:

- Male coupling part. With port or shut-off and hose nozzle for piping connection. Fitting all female coupling parts of nominal width 9.6 mm.

Cat. No.	Connection type	Connection size mm	Valve	Length mm	Unit piece	Price Euro
16185	nozzle	9.6	without	50	1	18.00
16186	nozzle	12.7	without	50	1	18.00
16187	nozzle	19.0	without	69	1	18.00
16188	nozzle	9.6	with	52	1	32.00
16189	nozzle	12.7	with	52	1	32.00



16 185



16 185

16190	nozzle	19.0	with	69	1	32.00
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THOMAFLUID® PSU Quick-Disconnect Coupling, NW 13.2 mm

General product specification

- High-flow quick-disconnect coupling

General technical specification:

- Material:**
Housing: PSU (polysulfone)

- Gaskets: EPDM (ethylene-propylene-diene rubber)
- Valve spring: high-quality steel 316
- Nominal width:** 13.2 mm
 - Temperature range:** -40°C to +138°C
 - Max. operating pressure:** 8.6 bar at +20°C

THOMAFLUID® PSU Quick-Disconnect Coupling, NW 13.2 mm

Product specification:

- Female coupling part. With port and hose nozzle or external thread for piping connection. Fitting all male coupling parts of nominal width 13.2 mm.



16 197



16 197

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
16197	external thread	NPT 1/2"	without	73	1	29.00
16198	external thread	NPT 3/4"	without	79	1	29.00
16199	nozzle	19.0	without	75	1	30.00

THOMAFLUID® PSU Quick-Disconnect Nipple, NW 13.2 mm

Product specification:

- Male coupling part. With port and external thread for piping connection. Fitting all female coupling parts of nominal width 13.2 mm.



16 201



16 201

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
16201	external thread	NPT 1/2"	without	50	1	18.00
16202	external thread	NPT 3/4"	without	54	1	18.00
16203	nozzle	19.0	without	51	1	15.00

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COUPLING TECHNOLOGY

THOMAFIUID® PSU Quick-Disconnect Coupling, NW 13.2 mm – for Control Panel Mounting

Product specification:

- Female coupling part. With port and hose nozzle for control panel mounting. Fitting all male coupling parts of nominal width 13.2 mm.

Cat. No.	Connec- tion type	Connec- tion size mm	Valve	Control panel bore mm	Length mm	Unit piece	Price Euro
16200	nozzle	19.0	without	30	75	1	37.00



16 200



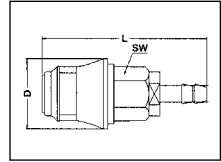
16 200

- Female coupling part. With shut-off and hose nozzle; pipe screwed fitting or thread for piping connection. Fitting all male coupling parts of nominal width 5.0 mm.

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
15859	nozzle	4.0	with	60	1	36.00
15860	nozzle	6.0	with	60	1	36.00
15863	pipe	6.0	with	56	1	40.00
15864	pipe	8.0	with	56	1	40.00
15867	external thread	G 1/8"	with	50	1	36.00
15868	external thread	G 1/4"	with	52	1	36.00
15869	internal thread	G 1/8"	with	53	1	36.00
15870	internal thread	G 1/4"	with	39	1	36.00



15 859



15 859

PVDF Quick-Disconnect Couplings

THOMAFIUID® PVDF Quick-Disconnect Couplings

General product specification

- Resistant to alcohol, aldehydes, petrol, benzene and other aromatic hydrocarbons, chlorine gas, esters, glycols and motor oils, salt solutions, alkalis and acids.

THOMAFIUID® PVDF Quick-Disconnect Coupling, NW 5.0 mm

General product specification:

- Quick-disconnect coupling for lower flow rates.

General technical specification:

- Material:**
 - Housing: PVDF (polyvinylidene fluoride)
 - Gaskets: FPM (fluorinated rubber)
 - Valve spring: high-quality steel 1.4751
- Nominal width:** 5 mm
- Temperature range:** -20°C to +120°C
- Max. operating pressure:** 8 bar at +20°C

THOMAFIUID® PVDF Quick-Disconnect Coupling, NW 5.0 mm

Product specification:

THOMAFIUID® PVDF Quick-Disconnect Nipple, NW 5.0 mm

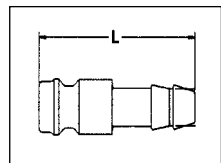
Product specification:

- Male coupling part. With port or shut-off and hose nozzle; pipe screwed fitting or thread for piping connection. Fitting all female coupling parts of nominal width 5.0 mm.

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
15883	nozzle	4.0	without	32	3	24.00
15884	nozzle	6.0	without	32	3	24.00
15887	pipe	6.0	without	32	2	23.00



15 883



15 883

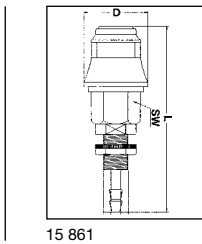
15888	pipe	8.0	without	32	2	23.00
15891	external thread	G 1/8"	without	25	2	20.00
15892	external thread	G 1/4"	without	28	2	20.00
15893	internal thread	G 1/8"	without	25	2	20.00
15894	internal thread	G 1/4"	without	26	2	20.00
15907	nozzle	4.0	with	46	1	37.00
15908	nozzle	6.0	with	46	1	37.00
15911	pipe	6.0	with	42	1	40.00
15912	pipe	8.0	with	42	1	40.00
15915	external thread	G 1/8"	with	36	1	40.00
15916	external thread	G 1/4"	with	38	1	40.00
15917	internal thread	G 1/8"	with	39	1	40.00
15918	internal thread	G 1/4"	with	41	1	40.00

THOMAFLUID® PVDF Quick-Disconnect Coupling, NW 5.0 mm – for Control Panel Mounting

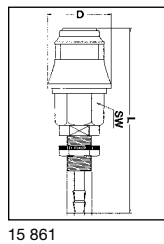
Product specification:

- Female coupling part. With shut-off and hose nozzle or pipe screwed fitting for control panel mounting. Fitting all male coupling parts of nominal width 5.0 mm.

Cat. No.	Connection type	Connection size mm	Valve	Control panel bore mm	Length mm	Unit piece	Price Euro
15861	nozzle	4.0	with	10	74	1	54.00
15862	nozzle	6.0	with	12	74	1	54.00
15865	pipe	6.0	with	10	68	1	59.00



15 861



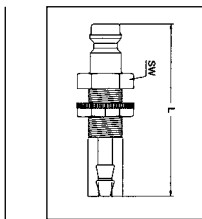
15 861

15866	pipe	8.0	with	12	68	1	59.00
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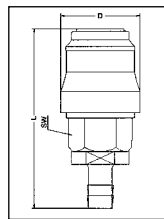
THOMAFLUID® PVDF Quick-Disconnect Nipple, NW 5.0 mm – for Control Panel Mounting

Product specification:

- Male coupling part. With port or shut-off and hose nozzle or pipe screwed fitting for control panel mounting. Fitting all female coupling parts of nominal width 5.0 mm.



15 885



15 946

Cat. No.	Connection type	Connection size mm	Valve	Control panel bore mm	Length mm	Unit piece	Price Euro
15885	nozzle	4.0	without	10	50	2	22.00
15886	nozzle	6.0	without	12	50	2	22.00
15889	pipe	6.0	without	10	44	2	33.00
15890	pipe	8.0	without	12	44	2	33.00
15909	nozzle	4.0	with	10	60	1	45.00
15910	nozzle	6.0	with	12	60	1	45.00

THOMAFLUID® PVDF Quick-Disconnect Nipple, NW 5.0 mm – for Control Panel Mounting

Cat. No.	Connection type	Connection size mm	Valve	Control panel bore mm	Length mm	Unit piece	Price Euro
15913	pipe	6.0	with	10	54	1	47.00
15914	pipe	8.0	with	12	54	1	47.00

THOMAFLUID® PVDF Quick-Disconnect Coupling, NW 7.0 mm

General product specification:

- Macro quick-disconnect coupling for higher flow rates.

General technical specification:

- Material:**
 - Housing: PVDF (polyvinylidene fluoride)
 - Gaskets: FPM (fluorinated rubber)
 - Valve spring: high-quality steel 1.4751
- Nominal width:** 7 mm
- Temperature range:** -20°C to +120°C
- Max. operating pressure:** 8 bar at +20°C

THOMAFLUID® PVDF Quick-Disconnect Coupling, NW 7.0 mm

Product specification:

- Female coupling part. With shut-off and hose nozzle or thread for piping connection. Fitting all male coupling parts of nominal width 7.0 mm.

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
15946	nozzle	6.0	with	81	1	46.00
15947	nozzle	9.0	with	81	1	46.00
15948	nozzle	13.0	with	81	1	50.00
15949	external thread	G 1/4"	with	70.5	1	46.00
15950	external thread	G 3/8"	with	67	1	46.00
15951	external thread	G 1/2"	with	73.5	1	50.00
15952	internal thread	G 1/4"	with	63.5	1	48.00
15953	internal thread	G 3/8"	with	63.5	1	48.00
15954	internal thread	G 1/2"	with	74.5	1	51.00

THOMAFLUID® PVDF Quick-Disconnect Nipple, NW 7.0 mm

Product specification:

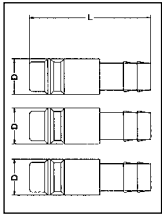
- Male coupling part. With port or shut-off and hose nozzle or thread for piping connection. Fitting all female coupling parts of nominal width 7.0 mm.

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
15955	nozzle	6.0	without	47	3	33.00

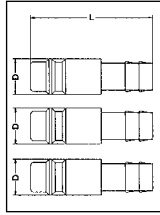
COUPLING TECHNOLOGY

THOMAFIUID® PVDF Quick-Disconnect Nipple, NW 7.0 mm

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
15956	nozzle	9.0	without	47	3	33.00
15957	nozzle	13.0	without	50	2	28.00
15958	external thread	G 1/4"	without	38.5	2	25.00
15959	external thread	G 3/8"	without	38.5	2	25.00
15960	external thread	G 1/2"	without	41.5	2	30.00
15961	internal thread	G 1/4"	without	35.5	2	25.00
15962	internal thread	G 3/8"	without	35.5	2	25.00
15963	internal thread	G 1/2"	without	38.5	2	31.00
15964	nozzle	6.0	with	54	1	38.00



15 955 (see page 30)



15 955 (see page 30)

15965	nozzle	9.0	with	54	1	38.00
15966	nozzle	13.0	with	54	1	40.00
15967	external thread	G 1/4"	with	46	1	39.00
15968	external thread	G 3/8"	with	46	1	39.00
15969	external thread	G 1/2"	with	49	1	41.00
15970	internal thread	G 1/4"	with	48	1	40.00
15971	internal thread	G 3/8"	with	48	1	40.00
15972	internal thread	G 1/2"	with	23	1	42.00

THOMAFIUID® PA Quick-Disconnect Coupling, NW 6.0 mm

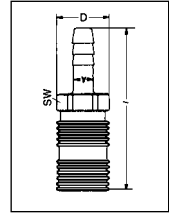
Product specification:

- Female coupling part. With shut-off and hose nozzle or thread for piping connection. Fitting all male coupling parts of nominal width 6.0 mm.

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
15985	nozzle	7.0	with	68.3	1	38.00
15986	nozzle	9.0	with	73.3	1	39.00
15987	nozzle	11.0	with	73.3	1	40.00
15988	nozzle	13.0	with	73.3	1	41.00
15989	external thread	G 1/4"	with	55.3	1	38.00



15 985



15 985

15990	external thread	G 3/8"	with	55.3	1	39.00
15991	external thread	G 1/2"	with	55.3	1	40.00
15992	internal thread	G 1/4"	with	57.3	1	38.00
15993	internal thread	G 3/8"	with	57.3	1	39.00

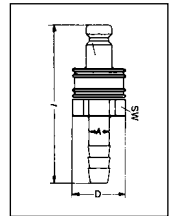
THOMAFIUID® PA Quick-Disconnect Nipple, NW 6.0 mm

Product specification:

- Male coupling part. With port or shut-off and hose nozzle or thread for piping connection. Fitting all female coupling parts of nominal width 6.0 mm.



15 994



15 994

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
15994	nozzle	7.0	with	66.5	1	29.00
15995	nozzle	9.0	with	71.5	1	30.00
15996	nozzle	11.0	with	71.5	1	31.00
15997	nozzle	13.0	with	71.5	1	32.00
15998	external thread	G 1/4"	with	53.5	1	29.00
15999	external thread	G 3/8"	with	53.5	1	30.00

PA Quick-Disconnect Couplings

THOMAFIUID® PA Quick-Disconnect Couplings

General product specification

- Resistant to glycols, ketones, alkalis, paraffins, salt solutions, toluene, xylene.

THOMAFIUID® PA Quick-Disconnect Coupling, NW 6.0 mm

General technical specification:

- Material:**
 - Housing: PA (polyamide), gray
 - Gaskets: NBR (butadiene-rubber)
 - Valve spring: high-quality steel 1.4751
- Nominal width:** 6 mm
- Max. operating pressure:** 12 bar at +20°C

THOMAFLUID® PA Quick-Disconnect Nipple, NW 6.0 mm

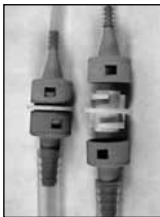
Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
16000	external thread	G 1/2"	with	53.5	1	31.00
16001	internal thread	G 1/4"	with	55.5	1	29.00
16002	internal thread	G 3/8"	with	55.5	1	30.00
16003	nozzle	7.0	without	46	2	20.00
16004	nozzle	9.0	without	51	2	21.00
16005	nozzle	11.0	without	53	2	21.00
16006	nozzle	13.0	without	53	2	22.00
16007	external thread	G 1/4"	without	32	2	20.00
16008	external thread	G 3/8"	without	35.3	2	21.00
16009	external thread	G 1/2"	without	38	2	22.00
16010	internal thread	G 1/4"	without	36	2	20.00
16011	internal thread	G 3/8"	without	36	2	21.00
16012	internal thread	G 1/2"	without	38	2	22.00

THOMAPLAST® Adapter Tubing Connectors Made of Polyester Type: KF-KK

Product specification:

- The tubing connectors consist of blue-dyed, glass-fibre reinforced, thermoplastic polyester (PBT).
- The tubing connectors are autoclavable. They are used at temperatures up to max. +180 °C.
- Each adapter tubing connector consists of two hose nozzle adapters and an adapter coupling. The connection of the two hose nozzles by the adapter coupling ensures absolute tightness.

Cat. No.	For tubing inside Ø (A) mm	For tubing inside Ø (B) mm	Unit piece	Price Euro
40167	4.5	4.5	1	21.00



40 167



40 167

40168	4.5	4.5	5	72.00
40169	9	9	1	21.00
40170	9	9	5	72.00
40171	4.5	9	1	21.00
40172	4.5	9	5	72.00

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Multi-Lumen Quick-Disconnect Couplings

THOMAFLUID® POM Multi-Lumen Quick-Disconnect Coupling for Two Tubes

General product specification

- Simultaneous coupling of two tubes with a quick-release coupling.
- Two separate flow channels in one quick-release coupling.
- Female coupling part fitted for front panel mounting.

General technical specification:

- **Material:** POM (polyacetal, polyoxymethylene)
- **Gaskets:** NBR (butadiene-rubber)
- **Temperature range:** -40 °C to +80 °C
- **Max. operating pressure:** 6.9 bar per line at +20 °C

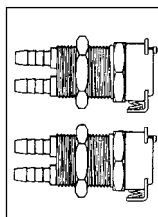
THOMAFLUID® POM Multi-Lumen Quick-Disconnect Coupling – for Control Panel Mounting

Product specification:

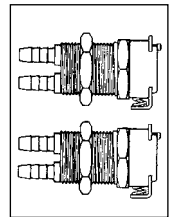
- Female coupling part. With port and hose nozzle for control panel mounting. Fitting all male coupling parts.

Cat. No.	Connection type	Connection size mm	Valve	Control panel bore mm	Length mm	Unit piece	Price Euro
13954	nozzle	1.6	without	17.5	44	1	35.00
13955	nozzle	4.0	without	17.5	44	1	33.00

THOMAFLUID® POM Multi-Lumen Quick-Disconnect Nipple



13 954



13 954

Product specification:

- Male coupling part. With port and hose nozzle for piping connection. Fitting all female coupling parts.

Cat. No.	Connection type	Connection size mm	Valve	Unit piece	Price Euro
13956	nozzle	1.6	without	1	29.00
13957	nozzle	4.0	without	1	25.00

THOMAFIUID® Multi-Lumen Quick-Release Coupling for Six Flexible Conduits

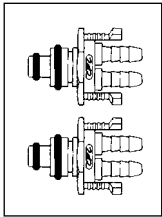
General product specification

- Simultaneous quick-release coupling system for six separate gas or liquid flexible conduits with parallel ports, consisting of a coupling casing with six nipple inserts (male type „V“) and a coupling casing with six coupling inserts (female type „M“) for front panel mounting (bulkhead screwed fitting). Female („M“) and male („V“) parts are optionally interchangeable, independently of the respective connection sizes.

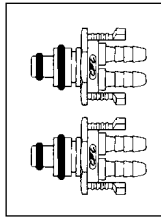
General technical specification:

Material:

Housing: POM (polyacetal, polyoxymethylene)



30 956 (see Page 32)



30 956 (see Page 32)

Springs:

high-quality steel 316

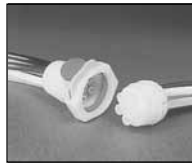
- Temperature range:** POM inserts: -40 °C to +80 °C; PP inserts: 0 °C to +80 °C
- Max. operating pressure:** 6.9 bar per line at +20 °C
- Mounting type:** coupling casing loose; coupling nipples optionally fixed front panel mounting with bulkhead screwed fitting

THOMAFIUID® POM Multi-Lumen Quick-Disconnect Nipple for Six Flexible Conduits – Control Panel Mounting

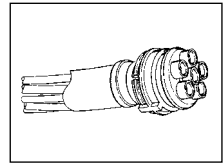
Product specification:

- Male coupling part. With port or shut-off and hose nozzle for control panel mounting. Fitting all female coupling parts.

Cat. No.	Connection type	Connection size mm	Valve	Material of inserts	Material of gaskets	Unit piece	Price Euro
16222	nozzle	1.6	without	POM	NBR	1	24.00
16223	nozzle	3.0	without	POM	NBR	1	24.00
16224	nozzle	3.2	without	POM	NBR	1	24.00
16225	nozzle	1.6	with	POM	NBR	1	137.00
16226	nozzle	3.0	with	POM	NBR	1	137.00



16 222



16 222

16227	nozzle	3.2	with	POM	NBR	1	137.00
16228	nozzle	1.6	without	PP	EPDM	1	27.00
16229	nozzle	3.2	without	PP	EPDM	1	27.00

THOMAFIUID® PA Multi-Lumen Quick-Disconnect Coupling / Nipple for Ten Flexible Conduits

Product specification:

- Complete simultaneous quick-release coupling system for ten separate gas or liquid flexible conduits with parallel ports, consisting of a coupling casing with ten nipple inserts (type „V“ male) and a coupling casing with ten coupling inserts (type „M“ female), additional adapter for front panel mounting available.

Technical specification:

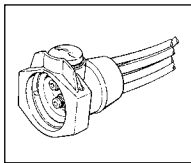
- Material:** Casing: PA (polyamide)
Springs: high-quality steel
- Temperature range:** POM inserts: -40 °C to +80 °C; PP inserts: 0 °C to +80 °C
- Max. operating pressure:** up to 6.9 bar per line at +20 °C
- Mounting type:** optionally fixed front panel mounting with bulkhead screwed fitting with additional adapter

Cat. No.	Connection type	Connection size mm	Valve	Material of inserts	Material of gaskets	Unit piece	Price Euro
16230	nozzle	1.6	without	POM	NBR	1	69.00
16231	nozzle	3.0	without	POM	NBR	1	69.00
16232	nozzle	4.0	without	POM	NBR	1	69.00
16233	nozzle	1.6	with	POM	NBR	1	187.00
16234	nozzle	3.0	with	POM	NBR	1	187.00
16235	nozzle	4.0	with	POM	NBR	1	187.00
16236	nozzle	1.6	without	PP	EPDM	1	85.00
16237	nozzle	4.0	without	PP	EPDM	1	85.00

THOMAFIUID® POM Multi-Lumen Quick-Disconnect Coupling for Six Flexible Conduits



16 217



16 217

Product specification:

- Female coupling part. With port and hose nozzle for piping connection. Fitting all male coupling parts.

Cat. No.	Connection type	Connection size mm	Valve	Material of inserts	Material of gaskets	Unit piece	Price Euro
16217	nozzle	1.6	without	POM	NBR	1	34.00
16218	nozzle	3.0	without	POM	NBR	1	34.00
16219	nozzle	3.2	without	POM	NBR	1	34.00
16220	nozzle	1.6	without	PP	EPDM	1	42.00
16221	nozzle	3.2	without	PP	EPDM	1	42.00

THOMAFLUID® Accessories to Multi-Lumen Quick-Release Coupling for Ten Flexible Conduits

Cat. No.	Design	Unit piece	Price Euro
16238	Adapter for panel mounting	1	14.00
16239	Tubing cover	1	11.00

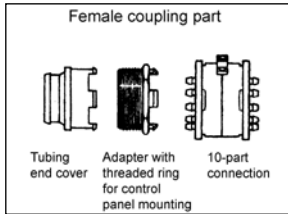
Two-Part Connectors made of Metal



16 230 (see page 33)



16 230 (see page 33)



16 230 (see page 33)

16 238

THOMAFLUID® Two-Part Connectors made of Metal

General product specification

- The two-part metal connectors are made of high-quality steel or brass and available in two designs: shutting-off on one side and shutting-off on both sides. Coupling (female part) and nipple (male part) of the same design only can be combined with each other.

Quick-Disconnect Couplings made of Nickel-Plated Brass

THOMAFLUID® Mini Quick-Disconnect Couplings made of Nickel-Plated Brass

Application areas:

- Quickly and without tools disconnectable plug couplings for tubing of small lumina in the areas of chemical laboratory and analytical technology, medical engineering, measurement technique and control engineering for experimental and pilot plants,

pneumatic conduits, metering devices, lubrication systems, manometer systems, analyzers.

General product specification:

- Pressure-loadable quick-release tubing coupling system for liquid and gaseous media, made of brass MS 58, alternatively also with nickel-plated or chromium-plated surface; plastic gasket made of heavy duty polymer material, medium-noncontacting spring detent made of high-quality steel, consisting of matching coupling pieces with shut-off function at release of the joint and straight-way nipples, one-hand handling safety plug mechanism; all pieces alternatively fitted with M3 internal thread or external thread or hose nozzle, for free fitting-in or for fixed control panel mounting (bulkhead screwed fitting M5). Extremely small construction sizes with large port and low pressure drop. Function of coupling: „shutting off on one side“.

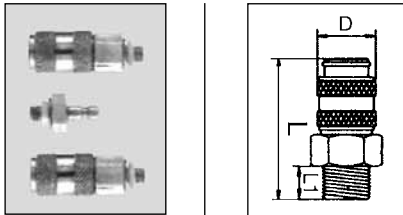
General technical specification:

- **Material:** brass M 58, alternatively nickel-plated or chromium-plated surface
- **Gasket:** NBR (butadiene-acrylonitrile-rubber)
- **Spring system:** high-quality steel 1.4310
- **Temperature range:** -20 °C to +100 °C
- **Max. operating pressure:** 35 bar
- **Vacuum strength:** rough vacuum

THOMAFLUID® Mini Quick-Disconnect Coupling made of Brass, NW 1.8 mm – shutting-off on one side

Product specification:

- Female coupling part. With shut-off and hose nozzle; external or internal thread for piping connection. Available with surfaces made of brass, nickel or chromium. Fitting all male coupling parts of nominal width 1.8 mm locking on one side.

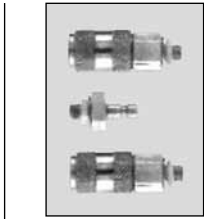
Cat. No.	Connection type	Connection size mm/inch	Material	Length mm	Unit piece	Price Euro
43890	external thread	M3	brass	19	2	25.00
						
43891	internal thread	M3	brass	19	2	25.00
43892	nozzle	2.0	brass	21	2	28.00
43893	nozzle	3.0	brass	22	2	28.00
43951	external thread	M3	nickel	19	2	27.00
43952	internal thread	M3	nickel	19	2	27.00
43953	nozzle	2.0	nickel	21	2	29.00
43954	nozzle	3.0	nickel	22	2	29.00
43963	external thread	M3	chromium	19	2	28.00
43964	internal thread	M3	chromium	19	2	28.00
43965	nozzle	2.0	chromium	21	2	29.00
43966	nozzle	3.0	chromium	22	2	29.00

THOMAFIUID® Mini Quick-Disconnect Nipple made of Brass, NW 1.8 mm – shutting-off on one side

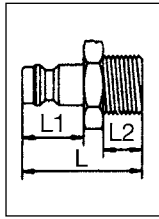
Product specification:

- Male coupling part. With port and hose nozzle; external or internal thread for piping connection. Available with surfaces made of brass, nickel or chromium. Fitting all female coupling parts of nominal width 1.8 mm locking on one side.

Cat. No.	Connection type	Connection size mm/inch	Material	Length mm	Unit piece	Price Euro
43896	external thread	M3	brass	11	2	12.00
43897	internal thread	M3	brass	10	2	12.00



43 896



43 896

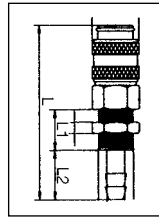
43898	nozzle	2.0	brass	12	2	12.00
43899	nozzle	3.0	brass	13	2	12.00
43957	external thread	M3	nickel	11	2	14.00
43958	internal thread	M3	nickel	10	2	14.00
43959	nozzle	2.0	nickel	12	2	14.00
43960	nozzle	3.0	nickel	13	2	14.00
43969	external thread	M3	chromium	11	2	15.00
43970	internal thread	M3	chromium	10	2	15.00
43971	nozzle	2.0	chromium	12	2	15.00
43972	nozzle	3.0	chromium	13	2	15.00

THOMAFIUID® Mini Quick-Disconnect Nipple made of Brass, NW 1.8 mm for Control Panel – shutting-off on one side

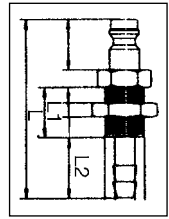
Product specification:

Male coupling part. With port and hose nozzle for control panel mounting. Available with surfaces made of brass, nickel or chromium. Fitting all female coupling parts of nominal width 1.8 mm locking on one side.

Cat. No.	Connection type	Connection size mm	Control panel bore mm	Length mm	Material	Unit piece	Price Euro
43900	nozzle	2.0	5	22	brass	2	17.00
43901	nozzle	3.0	5	23	brass	2	17.00



43 894



43 900

43961	nozzle	2.0	5	22	nickel	2	19.00
43962	nozzle	3.0	5	23	nickel	2	19.00
43973	nozzle	2.0	5	22	chromium	2	20.00
43974	nozzle	3.0	5	23	chromium	2	20.00

THOMAFIUID® Quick-Disconnect Couplings made of Nickel-Plated Brass – shutting-off on one side

General product specification

- NODVOL® quick-release couplings are excellently suitable for connecting and disconnecting of tubing, apparatuses etc. One-hand operating of all quick-release couplings allows coupling or disconnecting even at places hard to get to. When pushing the nipple into the quick-release coupling the valve opens automatically and the medium flows to the point of usage. When disconnecting, the valve in the quick-release coupling shuts off automatically. A complete operable quick-release coupling consists of a coupling part and a nipple part. All coupling parts (female parts) are delivered with shut-off valve; all nipple parts (male parts) are delivered without valve.

General technical specification:

- Material:**
 - Valve body: nickel-plated brass
 - Unlocking bush: nickel-plated brass
 - Valve: brass
 - Springs, retaining rings: high-quality steel 1.4034
 - Balls: high-quality steel 1.4034
 - Gasket: NBR (butadiene-acrylonitrile-rubber)
- Temperature range:** -40 °C to +120 °C
- Max. operating pressure:** 70 bar

THOMAFIUID® Mini Quick-Disconnect Coupling made of Brass, NW 1.8 mm for Control Panel – shutting-off on one side

Product specification:

- Female coupling part. With shut-off and hose nozzle for control panel mounting. Available with surfaces made of brass, nickel or chromium. Fitting all male coupling parts of nominal width 1.8 mm locking on one side.

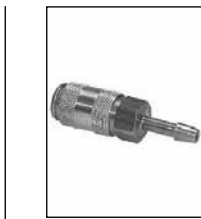
Cat. No.	Connection type	Connection size mm	Control panel bore mm	Material	Length mm	Unit piece	Price Euro
43894	nozzle	2.0	5	brass	29	2	42.00
43895	nozzle	3.0	5	brass	30	2	42.00
43955	nozzle	2.0	5	nickel	29	2	44.00
43956	nozzle	3.0	5	nickel	30	2	44.00
43967	nozzle	2.0	5	chromium	29	2	45.00
43968	nozzle	3.0	5	chromium	30	2	45.00

**THOMAFLUID® Quick-Disconnect
Coupling made of Nickel-Plated Brass,
NW 2.7 mm – shutting-off on one side**

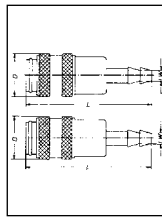
Product specification:

- Female coupling part. With shut-off and hose nozzle; external or internal thread for piping connection. Fitting all male coupling parts of nominal width 2.7 mm locking on one side.

Cat. No.	Connection type	Connection size mm/inch	Length mm	Unit piece	Price Euro
51049	nozzle	3.0	35	1	10.00
51050	nozzle	4.0	35	1	10.00
51009	external thread	M5	26	1	17.00
51010	external thread	R 1/8"	28	1	18.00
51027	internal thread	M5	26	1	10.00



51 049



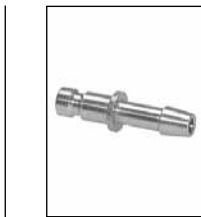
51 049

51028	internal thread	R 1/8"	28	1	10.00
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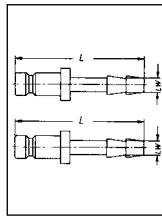
**THOMAFLUID® Quick-Disconnect Nipple
made of Nickel-Plated Brass, NW 2.7 mm
– shutting-off on one side**

Product specification:

- Male coupling part. With port and hose nozzle; external or internal thread for piping connection. Fitting all female coupling parts of nominal width 2.7 mm locking on one side.



51 135



51 135

Cat. No.	Connection type	Connection size mm/inch	Length mm	Unit piece	Price Euro
51135	nozzle	3.0	43	1	4.00
51136	nozzle	4.0	43	1	4.00
51158	external thread	M5	38	1	6.00
51159	external thread	R 1/8"	40	1	6.00
51178	internal thread	M5	35	1	5.00
51179	internal thread	R 1/8"	37	1	5.00

**THOMAFLUID® Quick-Disconnect
Coupling made of Nickel-Plated Brass,
NW 5 mm – shutting-off on one side**

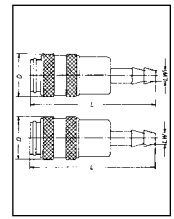
Product specification:

- Female coupling part. With shut-off and hose nozzle; external or internal thread for piping connection. Fitting all male coupling parts of nominal width 5 mm locking on one side.

Cat. No.	Connection type	Connection size mm/inch	Length mm	Unit piece	Price Euro
51051	nozzle	4.0	46	1	18.00
51052	nozzle	6.0	46	1	18.00
51053	nozzle	8.0	46	1	11.00
51054	nozzle	9.0	46	1	11.00
51055	nozzle	10.0	46	1	11.00



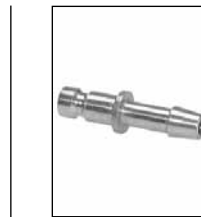
51 051



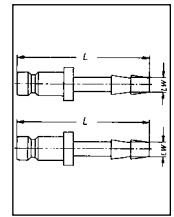
51 051

51011	external thread	R 1/8"	36	1	10.00
51012	external thread	R 1/4"	38	1	10.00
51013	external thread	R 3/8"	38	1	10.00
51029	internal thread	R 1/8"	36	1	10.00
51030	internal thread	R 1/4"	38	1	10.00
51031	internal thread	R 3/8"	38	1	10.00

**THOMAFLUID® Quick-Disconnect Nipple
made of Nickel-Plated Brass, NW 5 mm –
shutting-off on one side**



51 137



51 137

Product specification:

- Male coupling part. With port and hose nozzle; external or internal thread for piping connection. Fitting all female coupling parts of nominal width 5 mm locking on one side.

Cat. No.	Connection type	Connection size mm/inch	Length mm	Unit piece	Price Euro
51137	nozzle	4.0	50	1	4.00
51138	nozzle	6.0	50	1	4.00
51139	nozzle	8.0	50	1	5.00

THOMAFUID® Quick-Disconnect Nipple made of Nickel-Plated Brass, NW 5 mm – shutting-off on one side

Cat. No.	Connection type	Connection size mm/inch	Length mm	Unit piece	Price Euro
51140	nozzle	9.0	50	1	5.00
51141	nozzle	10.0	50	1	5.00
51160	external thread	R 1/8"	25	1	8.00
51161	external thread	R 1/4"	27	1	8.00
51162	external thread	R 3/8"	27	1	8.00
51180	internal thread	R 1/8"	24	1	7.00
51181	internal thread	R 1/4"	26	1	7.00
51182	internal thread	R 3/8"	26	1	7.00

THOMAFUID® Quick-Disconnect Coupling made of Nickel-Plated Brass, NW 7.4 mm – shutting-off on one side

Product specification:

- Female coupling part. With shut-off and hose nozzle; external or internal thread for piping connection. Fitting all male coupling parts of nominal width 7.4 mm locking on one side.

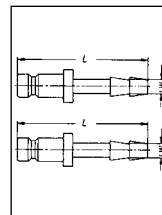
Cat. No.	Connection type	Connection size mm/inch	Length mm	Unit piece	Price Euro
51056	nozzle	6.0	73	1	28.00
51057	nozzle	8.0	73	1	28.00
51058	nozzle	9.0	73	1	28.00
51059	nozzle	10.0	73	1	28.00
51060	nozzle	13.0	73	1	28.00
51014	external thread	R 1/4"	60	1	28.00
51015	external thread	R 3/8"	60	1	28.00
51016	external thread	R 1/2"	65	1	30.00
51032	internal thread	R 1/4"	56	1	28.00
51033	internal thread	R 3/8"	56	1	19.00
51034	internal thread	R 1/2"	58	1	30.00

THOMAFUID® Quick-Disconnect Nipple made of Nickel-Plated Brass, NW 7.4 mm – shutting-off on one side

Cat. No.	Connection type	Connection size mm/inch	Length mm	Unit piece	Price Euro
51142	nozzle	6.0	48	1	6.00
51143	nozzle	8.0	48	1	6.00
51144	nozzle	9.0	48	1	6.00
51145	nozzle	10.0	48	1	6.00
51146	nozzle	13.0	49	1	8.00
51163	external thread	R 1/8"	35	1	10.00
51164	external thread	R 1/4"	37	1	10.00
51165	external thread	R 3/8"	37	1	10.00
51166	external thread	R 1/2"	41	1	12.00
51183	internal thread	R 1/8"	32	1	8.00



51 142



51 142

51184	internal thread	R 1/4"	33	1	8.00
51185	internal thread	R 3/8"	33	1	8.00
51186	internal thread	R 1/2"	36	1	13.00

THOMAFUID® Quick-Disconnect Couplings made of Nickel-Plated Brass – shutting-off on both sides

General product specification

- NODVOL® quick-release couplings are excellently suitable for connecting and disconnecting of tubing, apparatuses etc. One-hand operating of all quick-release couplings allows coupling or disconnecting even at places hard to get to. When disconnecting, both, the valve in the quick-release coupling and the valve in the locking nipple shut off automatically, thus preventing outflow of the medium. This represents a considerable advantage for handling aggressive media. A complete operable quick-release coupling consists of a coupling part and a nipple part. All coupling parts (female parts) and nipple parts (male parts) are delivered with shut-off valve.

General technical specification:

- Material:**
 - Valve body: nickel-plated brass
 - Unlocking bush: nickel-plated brass
 - Valve: brass
 - Springs, retaining rings: high-quality steel 1.4034
 - Balls: high-quality steel 1.4034
 - Gasket: NBR (butadiene-acrylonitrile-rubber)
- Temperature range:** -40 °C to +120 °C
- Max. operating pressure:** 70 bar

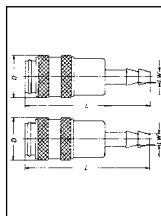
THOMAFUID® Quick-Disconnect Nipple made of Nickel-Plated Brass, NW 7.4 mm – shutting-off on one side

Product specification:

- Male coupling part. With port and hose nozzle; external or internal thread for piping connection. Fitting all female coupling parts of nominal width 7.4 mm locking on one side.



51 056



51 056

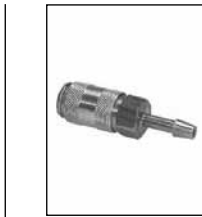
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THOMAFLUID® Quick-Disconnect Coupling made of Nickel-Plated Brass, NW 2.7 mm – shutting-off on both sides

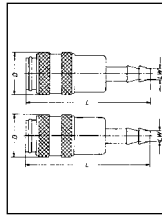
Product specification:

- Female coupling part. With shut-off and hose nozzle; external or internal thread for piping connection. Fitting all male coupling parts of nominal width 2.7 mm locking on both sides.

Cat. No.	Connection type	Connection size mm/inch	Length mm	Unit piece	Price Euro
51109	nozzle	3.0	35	1	23.00
51110	nozzle	4.0	35	1	23.00
51071	external thread	M5	26	1	22.00
51072	external thread	R 1/8"	28	1	22.00
51088	internal thread	M5	26	1	10.00



51 109



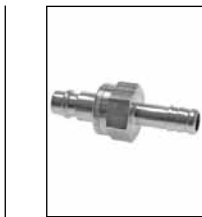
51 109

51089	internal thread	R 1/8"	28	1	10.00
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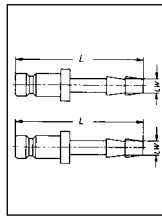
THOMAFLUID® Quick-Disconnect Nipple made of Nickel-Plated Brass, NW 2.7 mm – shutting-off on both sides

Product specification:

- Male coupling part. With shut-off and hose nozzle; external or internal thread for piping connection. Fitting all female coupling parts of nominal width 2.7 mm locking on both sides.



51 201



51 201

Cat. No.	Connection type	Connection size mm/inch	Length mm	Unit piece	Price Euro
51201	nozzle	3.0	43	1	19.00
51202	nozzle	4.0	43	1	19.00
51224	external thread	M5	38	1	13.00
51225	external thread	R 1/8"	40	1	13.00
51244	internal thread	M5	35	1	18.00
51245	internal thread	R 1/8"	37	1	18.00

THOMAFLUID® Quick-Disconnect Coupling made of Nickel-Plated Brass, NW 5 mm – shutting-off on both sides

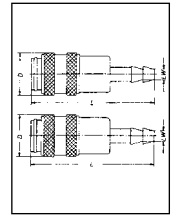
Product specification:

- Female coupling part. With shut-off and hose nozzle; external or internal thread for piping connection. Fitting all male coupling parts of nominal width 5 mm locking on both sides.

Cat. No.	Connection type	Connection size mm/inch	Length mm	Unit piece	Price Euro
51111	nozzle	4.0	46	1	28.00
51112	nozzle	6.0	46	1	28.00
51113	nozzle	8.0	46	1	28.00
51114	nozzle	9.0	46	1	28.00
51115	nozzle	10.0	46	1	28.00



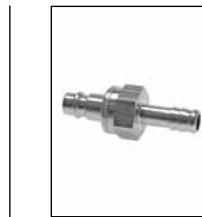
51 111



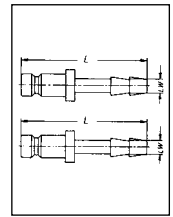
51 111

51073	external thread	R 1/8"	36	1	22.00
51074	external thread	R 1/4"	38	1	22.00
51075	external thread	R 3/8"	38	1	22.00
51090	internal thread	R 1/8"	36	1	22.00
51091	internal thread	R 1/4"	38	1	22.00
51092	internal thread	R 3/8"	38	1	22.00

THOMAFLUID® Quick-Disconnect Nipple made of Nickel-Plated Brass, NW 5 mm – shutting-off on both sides



51 203



51 203

Product specification:

- Male coupling part. With shut-off and hose nozzle; external or internal thread for piping connection. Fitting all female coupling parts of nominal width 5 mm locking on both sides.

Cat. No.	Connection type	Connection size mm/inch	Length mm	Unit piece	Price Euro
51203	nozzle	4.0	50	1	19.00
51204	nozzle	6.0	50	1	19.00

COUPLING TECHNOLOGY

THOMAFIUID® Quick-Disconnect Nipple made of Nickel-Plated Brass, NW 5 mm – shutting-off on both sides

Cat. No.	Connection type	Connection size mm/inch	Length mm	Unit piece	Price Euro
51205	nozzle	8.0	50	1	21.00
51206	nozzle	9.0	50	1	21.00
51207	nozzle	10.0	50	1	21.00
51226	external thread	R 1/8"	25	1	17.00
51227	external thread	R 1/4"	27	1	17.00
51228	external thread	R 3/8"	27	1	17.00
51246	internal thread	R 1/8"	24	1	20.00
51247	internal thread	R 1/4"	26	1	20.00
51248	internal thread	R 3/8"	26	1	20.00

THOMAFIUID® Quick-Disconnect Nipple made of Nickel-Plated Brass, NW 7.4 mm – shutting-off on both sides

Cat. No.	Connection type	Connection size mm/inch	Length mm	Unit piece	Price Euro
51208	nozzle	6.0	48	1	21.00
51209	nozzle	8.0	48	1	21.00
51210	nozzle	9.0	48	1	21.00
51211	nozzle	10.0	48	1	21.00
51212	nozzle	13.0	48	1	23.00
51229	external thread	R 1/8"	35	1	21.00
51230	external thread	R 1/4"	37	1	21.00
51231	external thread	R 3/8"	37	1	21.00
51232	external thread	R 1/2"	41	1	23.00
51249	internal thread	R 1/8"	32	1	23.00

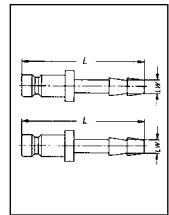
THOMAFIUID® Quick-Disconnect Coupling made of Nickel-Plated Brass, NW 7.4 mm – shutting-off on both sides**Product specification:**

- Female coupling part. With shut-off and hose nozzle; external or internal thread for piping connection. Fitting all male coupling parts of nominal width 7.4 mm locking on both sides.

Cat. No.	Connection type	Connection size mm/inch	Length mm	Unit piece	Price Euro
51116	nozzle	6.0	73	1	43.00
51117	nozzle	8.0	73	1	43.00
51118	nozzle	9.0	73	1	43.00
51119	nozzle	10.0	73	1	43.00
51120	nozzle	13.0	73	1	45.00
51076	external thread	R 1/4"	60	1	28.00
51077	external thread	R 3/8"	60	1	28.00
51078	external thread	R 1/2"	65	1	31.00
51093	internal thread	R 1/4"	56	1	28.00
51094	internal thread	R 3/8"	56	1	28.00
51095	internal thread	R 1/2"	58	1	31.00



51 208



51 208

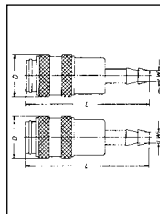
51250	internal thread	R 1/4"	33	1	23.00
51251	internal thread	R 3/8"	33	1	23.00
51252	internal thread	R 1/2"	36	1	25.00

Quick-Disconnect Couplings made of Chromium-Plated Brass**THOMAFIUID® Quick-Disconnect Couplings made of Chromium-Plated Brass****General product specification:**

- THOMAFIUID® quick-release couplings are excellently suitable for connecting and disconnecting of tubing, apparatuses etc. The quick-release couplings are easily to operate and connecting as well as disconnecting can be done with only one hand. The coupling socket is self-locking, when the plug nozzle are plugged in. For disconnecting, a short thumb pressure on the lock is sufficient and the nipple can be easily withdrawn. All nipples are fitted with an easily interchangeable, dependable sealing O-ring. A complete operable THOMAFIUID® quick-release coupling consists of a coupling part and a nipple part; both parts can be fitted with valves. A completely one-side shutting-off quick-release coupling consists of a coupling part with shut-off and a nipple part with port or a coupling part with port and a nipple part with shut-off. To get a both sides locking coupling, both, a coupling part and a nipple part with shut-off each have to be obtained.

General technical specification:

51 116



51 116

THOMAFIUID® Quick-Disconnect Nipple made of Nickel-Plated Brass, NW 7.4 mm – shutting-off on both sides**Product specification:**

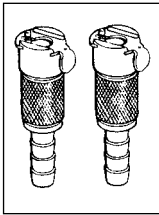
- Male coupling part. With shut-off and hose nozzle; external or internal thread for piping connection. Fitting all female coupling parts of nominal width 7.4 mm locking on both sides.

- **Material:**
Valve body: chromium-plated brass
Spring and shut-off: high-quality steel
Gasket: NBR (butadiene-acrylonitrile-rubber)
- **Temperature range:** -40 °C to +80 °C
- **Max. operating pressure:** from vacuum up to 17 bar

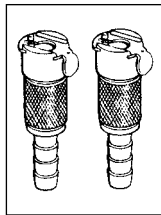
THOMAFLUID® Quick-Disconnect Coupling made of Chromium-Plated Brass, NW 3.2 mm

Product specification:

- Female coupling part. With port or shut-off and hose nozzle; external thread or pipe screwed fitting for piping connection.



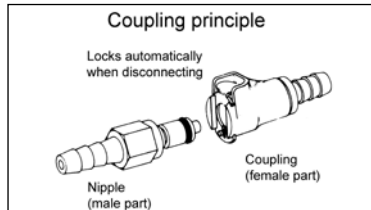
10 343



10 343



10 343



10 343 Coupling Technology

Fitting all male coupling parts of nominal width 3.2 mm.

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
10343	nozzle	3.2	without	42	1	32.00
10344	nozzle	4.8	without	47	1	32.00
10345	nozzle	6.4	without	47	1	32.00
10321	pipe	6.4	without	43	1	40.00
10297	external thread	NPT 1/8"	without	25.4	1	20.00
10298	external thread	NPT 1/4"	without	28	1	20.00
10305	external thread	R 1/8"	without	25.4	1	20.00

THOMAFLUID® Quick-Disconnect Coupling made of Chromium-Plated Brass, NW 3.2 mm

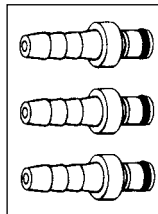
Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
10306	external thread	R 1/4"	without	28	1	20.00
10349	nozzle	3.2	with	42	1	34.00
10350	nozzle	4.8	with	47	1	34.00
10351	nozzle	6.4	with	47	1	34.00
10324	pipe	6.4	with	43	1	43.00
10301	external thread	NPT 1/8"	with	25.4	1	22.00
10302	external thread	NPT 1/4"	with	28	1	22.00
10309	external thread	R 1/8"	with	25.4	1	22.00
10310	external thread	R 1/4"	with	28	1	22.00

THOMAFLUID® Quick-Disconnect Nipple made of Chromium-Plated Brass, NW 3.2 mm

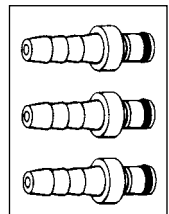
Product specification:

- Male coupling part. With port or shut-off and hose nozzle; external thread or pipe screwed fitting for piping connection. Fitting all female coupling parts of nominal width 3.2 mm.

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
10371	nozzle	3.2	without	24	1	13.00
10372	nozzle	4.8	without	26	1	13.00
10373	nozzle	6.4	without	34	1	13.00
10355	pipe	4.0	without	16	1	17.00
10356	pipe	6.4	without	18	1	17.00
10358	pipe	9.6	without	21	1	18.00
10387	external thread	NPT 1/8"	without		1	14.00
10388	external thread	NPT 1/4"	without		1	14.00
51321	internal thread	NPT 1/8"	without		1	14.00
51322	internal thread	NPT 1/4"	without		1	14.00
10401	internal thread	UNF 10-32	without		1	15.00
10377	nozzle	3.2	with	24	1	23.00



10 371



10 377

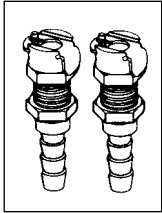
10378	nozzle	4.8	with	26	1	23.00
10379	nozzle	6.4	with	23	1	23.00
10360	pipe	4.0	with	16	1	27.00
10361	pipe	6.4	with	18	1	27.00
10363	pipe	9.6	with	21	1	28.00
10391	external thread	NPT 1/8"	with		1	24.00
10392	external thread	NPT 1/4"	with		1	24.00
10398	internal thread	NPT 1/8"	with		1	24.00
10399	internal thread	NPT 1/4"	with		1	24.00
10420	internal thread	UNF 10-32	with		1	25.00

COUPLING TECHNOLOGY

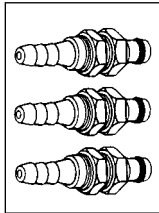
**THOMAFIUID® Quick-Disconnect
Coupling made of Chromium-Plated
Brass, NW 3.2 mm – for Control Panel**
Product specification:

- Female coupling part. With port or shut-off and hose nozzle; external thread or pipe screwed fitting for control panel mounting. Fitting all male coupling parts of nominal width 3.2 mm.

Cat. No.	Connection type	Connection size mm/inch	Valve	Control panel bore mm	Length mm	Unit piece	Price Euro
10331	nozzle	3.2	without	13	42	1	30.00
10332	nozzle	4.8	without	13	47	1	30.00
10333	nozzle	6.4	without	13	49	1	30.00



10 331



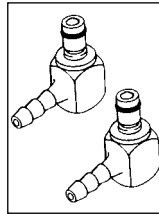
10 408

10313	pipe	4.0	without	13	43	1	37.00
10314	pipe	6.4	without	13	45	1	37.00
10327	external thread	NPT 1/8"	without	13	32	1	30.00
10337	nozzle	3.2	with	13	42	1	33.00
10338	nozzle	4.8	with	13	47	1	33.00
10339	nozzle	6.4	with	13	49	1	33.00
10317	pipe	4.0	with	13	43	1	40.00
10318	pipe	6.4	with	13	45	1	40.00
10329	external thread	NPT 1/8"	with	13	32	1	35.00

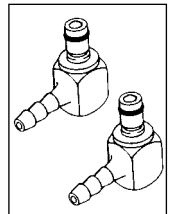
**THOMAFIUID® Elbow Quick-Disconnect
Nipple made of Chromium-Plated Brass,
NW 3.2 mm**
Product specification:

- Male coupling part. With port or shut-off and hose nozzle or pipe screwed fitting for piping connection. Fitting all female coupling parts of nominal width 3.2 mm.

Cat. No.	Connection type	Connection size mm	Valve	Length mm	Unit piece	Price Euro
10383	nozzle	3.2	without	24	1	23.00
51327	nozzle	6.4	without	27	1	23.00
10365	pipe	4.0	without	24	1	27.00
51325	pipe	6.4	without	27	1	27.00
51351	nozzle	3.2	with	24	1	27.00



10 383



10 383

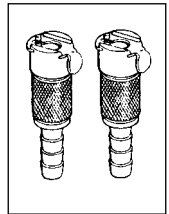
51352	nozzle	6.4	with	27	1	27.00
10368	pipe	4.0	with	24	1	36.00
51349	pipe	6.4	with	27	1	30.00

**THOMAFIUID® Quick-Disconnect
Coupling made of Chromium-Plated
Brass, NW 6.4 mm**
Product specification:

- Female coupling part. With port or shut-off and hose nozzle; external thread or pipe screwed fitting for piping connection.



10 346



10 346

Fitting all male coupling parts of nominal width 6.4 mm.

Cat. No.	Connection type	Connection size mm	Valve	Length mm	Unit piece	Price Euro
10346	nozzle	6.4	without	50	1	37.00
10347	nozzle	8.0	without	50	1	37.00
10348	nozzle	9.6	without	50	1	37.00
10322	pipe	6.4	without	44	1	45.00
10323	pipe	9.6	without	50	1	45.00
10299	external thread	NPT 1/4"	without	29.2	1	24.00

**THOMAFIUID® Quick-Disconnect Nipple
made of Chromium-Plated Brass, NW 3.2
mm – for Control Panel**
Product specification:

- Male coupling part. With port or shut-off and hose nozzle or pipe screwed fitting for control panel mounting. Fitting all female coupling parts of nominal width 3.2 mm.

Cat. No.	Connection type	Connection size mm/inch	Valve	Control panel bore mm	Length mm	Unit piece	Price Euro
10408	nozzle	3.2	without	12.5	26	1	25.00
10409	nozzle	4.8	without	12.5	31	1	25.00
10410	nozzle	6.4	without	12.5	31	1	25.00
10402	pipe	6.4	without	12.5	25.4	1	28.00
10414	nozzle	3.2	with	12.5	26	1	30.00
10415	nozzle	4.8	with	12.5	31	1	30.00
10416	nozzle	6.4	with	12.5	31	1	30.00
10405	pipe	6.4	with	12.5	25.4	1	34.00

THOMAFLUID® Quick-Disconnect Coupling made of Chromium-Plated Brass, NW 6.4 mm

Cat. No.	Connection type	Connection size mm	Valve	Length mm	Unit piece	Price Euro
10300	external thread	NPT 3/8"	without	29.2	1	24.00
10307	external thread	R 1/4"	without	29.2	1	24.00
10308	external thread	R 3/8"	without	29.2	1	24.00
10352	nozzle	6.4	with	50	1	44.00
10353	nozzle	8.0	with	50	1	44.00
10354	nozzle	9.6	with	50	1	44.00
10325	pipe	6.4	with	44	1	50.00
10326	pipe	9.6	with	50	1	51.00
10303	external thread	NPT 1/4"	with	29.2	1	27.00
10304	external thread	NPT 3/8"	with	29.2	1	27.00
10311	external thread	R 1/4"	with	29.2	1	27.00
10312	external thread	R 3/8"	with	29.2	1	27.00

THOMAFLUID® Quick-Disconnect Nipple made of Chromium-Plated Brass, NW 6.4 mm

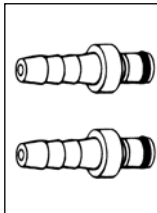
Product specification:

- Male coupling part. With port or shut-off and hose nozzle; external and internal thread or pipe screwed fitting for piping connection. Fitting all female coupling parts of nominal width 6.4 mm.

Cat. No.	Connection type	Connection size mm/inch	Valve	Length mm	Unit piece	Price Euro
10374	nozzle	6.4	without	38	1	15.00
10375	nozzle	8.0	without	38	1	15.00
10376	nozzle	9.6	without	38	1	15.00
10357	pipe	6.4	without	18	1	18.00
10359	pipe	9.6	without	21	1	21.00
10389	external thread	NPT 1/4"	without	1	1	15.00
10390	external thread	NPT 3/8"	without	1	1	15.00
51323	internal thread	NPT 1/4"	without	1	1	15.00
10380	nozzle	6.4	with	38	1	28.00



10 374



10 374

10381	nozzle	8.0	with	38	1	28.00
10382	nozzle	9.6	with	38	1	28.00
10362	pipe	6.4	with	18	1	37.00
10364	pipe	9.6	with	21	1	34.00
10393	external thread	NPT 1/4"	with	1	1	29.00
10394	external thread	NPT 3/8"	with	1	1	29.00
10400	internal thread	NPT 1/4"	with	1	1	26.00

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THOMAFLUID® Quick-Disconnect Coupling made of Chromium-Plated Brass, NW 6.4 mm – for Control Panel

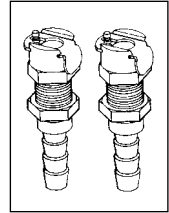
Product specification:

- Female coupling part. With port or shut-off and hose nozzle; external thread or pipe screwed fitting for control panel mounting. Fitting all male coupling parts of nominal width 6.4 mm.

Cat. No.	Connection type	Connection size mm/inch	Valve	Control panel bore mm	Length mm	Unit piece	Price Euro
10334	nozzle	6.4	without	18	50	1	39.00
10335	nozzle	8.0	without	18	50	1	39.00
10336	nozzle	9.6	without	18	50	1	39.00



10 334



10 334

10315	pipe	6.4	without	18	51	1	38.00
10316	pipe	9.6	without	18	51	1	38.00
10328	external thread	NPT 1/4"	without	18	40	1	32.00
10340	nozzle	6.4	with	18	50	1	39.00
10341	nozzle	8.0	with	18	50	1	40.00
10342	nozzle	9.6	with	18	50	1	40.00
10319	pipe	6.4	with	18	51	1	43.00
10320	pipe	9.6	with	18	51	1	43.00
10330	external thread	NPT 1/4"	with	18	40	1	37.00

THOMAFLUID® Quick-Disconnect Nipple made of Chromium-Plated Brass, NW 6.4 mm – for Control Panel

Product specification:

- Male coupling part. With port or shut-off and hose nozzle or pipe screwed fitting for control panel mounting. Fitting all female coupling parts of nominal width 6.4 mm.

Cat. No.	Connection type	Connection size mm/inch	Valve	Control panel bore mm	Length mm	Unit piece	Price Euro
10411	nozzle	6.4	without	17.5	31	1	26.00
10412	nozzle	8.0	without	17.5	31	1	26.00
10413	nozzle	9.6	without	17.5	31	1	26.00
10403	pipe	6.4	without	17.5	27	1	28.00
10404	pipe	9.6	without	17.5	29	1	30.00
10417	nozzle	6.4	with	17.5	31	1	34.00
10418	nozzle	8.0	with	17.5	31	1	34.00
10419	nozzle	9.6	with	17.5	31	1	34.00
10406	pipe	6.4	with	17.5	27	1	38.00
10407	pipe	9.6	with	17.5	29	1	39.00

THOMAFIUID® Elbow Quick-Disconnect Nipple made of Chromium-Plated Brass, NW 6.4 mm

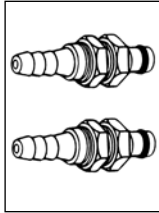
Product specification:

- Male coupling part. With port or shut-off and hose nozzle or pipe screwed fitting for piping connection. Fitting all female coupling parts of nominal width 6.4 mm.

Cat. No.	Connection type	Connection size mm	Valve	Length mm	Unit piece	Price Euro
10384	nozzle	6.4	without	27	1	27.00
51328	nozzle	9.6	without	38	1	27.00
10366	pipe	6.4	without	27	1	27.00
10367	pipe	9.6	without	38	1	31.00
10385	nozzle	6.4	with	27	1	28.00



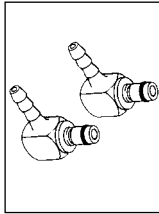
10 411 (see page 42)



10 411 (see page 42)



10 384



10 384

10386	nozzle	9.6	with	38	1	28.00
10369	pipe	6.4	with	27	1	33.00
10370	pipe	9.6	with	38	1	35.00

consists of a coupling part and a nipple part. All coupling parts (female parts) are delivered with shut-off valve; all nipple parts (male parts) are delivered without valve.

General technical specification:

- Material:**
 - Valve body: high-quality steel 1.4305
 - Unlocking bush: high-quality steel 1.4305
 - Valve: high-quality steel 1.4310
 - Springs, retaining rings: high-quality steel 1.4034
 - Balls: high-quality steel 1.4401
 - Gasket: FPM (fluorinated rubber)
- Temperature range:** -40 °C to +200 °C
- Max. operating pressure:** 70 bar

THOMAFIUID® Quick-Disconnect Coupling made of High-Quality Steel, NW 2.7 mm – shutting-off on one side

Product specification:

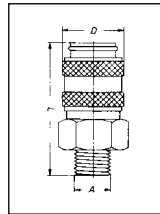
- Female coupling part. With shut-off and hose nozzle; external or internal thread for piping connection. Fitting all male coupling parts of nominal width 2.7 mm locking on one side.

Cat. No.	Connection type	Connection size mm/inch	Length mm	Unit piece	Price Euro
51036	nozzle	3.0	35	1	81.00
51037	nozzle	4.0	35	1	81.00
51000	external thread	M5	26	1	75.00
51001	external thread	R 1/8"	28	1	79.00
51018	internal thread	M5	26	1	75.00
51019	internal thread	R 1/8"	28	1	75.00

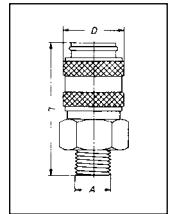
THOMAFIUID® Quick-Disconnect Nipple made of High-Quality Steel, NW 2.7 mm – shutting-off on one side

Product specification:

- Male coupling part. With port and hose nozzle; external or



51 036



51 036

internal thread for piping connection. Fitting all female coupling parts of nominal width 2.7 mm locking on one side.

Cat. No.	Connection type	Connection size mm/inch	Length mm	Unit piece	Price Euro
51122	nozzle	3.0	28	1	11.00
51123	nozzle	4.0	28	1	11.00
51148	external thread	M5	18	1	16.00
51149	external thread	R 1/8"	20	1	16.00
51168	internal thread	M5	17	1	24.00
51169	internal thread	R 1/8"	19	1	24.00

Quick-Disconnect Couplings made of High-Quality Steel

THOMAFIUID® Quick-Disconnect Couplings made of High-Quality Steel, shutting-off on one side

General product specification

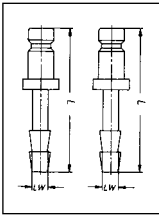
- NODVOL® quick-release couplings are excellently suitable for connecting and disconnecting of tubing, apparatuses etc. One-hand operating of all quick-release couplings allows coupling or disconnecting even at places hard to get to. When pushing the nipple into the quick-release coupling the valve opens automatically and the medium flows to the point of usage. When disconnecting, the valve in the quick-release coupling shuts off automatically. A complete operable quick-release coupling

THOMAFLUID® Quick-Disconnect Coupling made of High-Quality Steel, NW 5 mm – shutting-off on one side

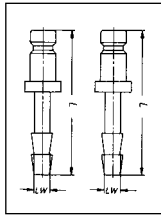
Product specification:

- Female coupling part. With shut-off and hose nozzle; external or internal thread for piping connection. Fitting all male coupling parts of nominal width 5 mm locking on one side.

Cat. No.	Connection type	Connection size mm/inch	Length mm	Unit piece	Price Euro
51038	nozzle	4.0	46	1	91.00
51039	nozzle	6.0	46	1	91.00
51040	nozzle	8.0	46	1	91.00
51041	nozzle	9.0	46	1	91.00
51042	nozzle	10.0	46	1	91.00



51 122 (see page 43)



51 122 (see page 43)

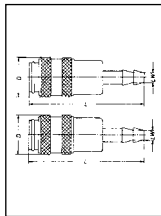
51002	external thread	R 1/8"	36	1	81.00
51003	external thread	R 1/4"	38	1	81.00
51004	external thread	R 3/8"	38	1	89.00
51020	internal thread	R 1/8"	36	1	81.00
51021	internal thread	R 1/4"	38	1	81.00
51022	internal thread	R 3/8"	38	1	89.00

THOMAFLUID® Quick-Disconnect Nipple made of High-Quality Steel, NW 5 mm – shutting-off on one side

Product specification:



51 038



51 038

- Male coupling part. With port and hose nozzle; external or internal thread for piping connection. Fitting all female coupling parts of nominal width 5 mm locking on one side.

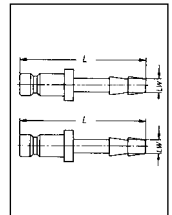
Cat. No.	Connection type	Connection size mm/inch	Length mm	Unit piece	Price Euro
51124	nozzle	4.0	32	1	12.00
51125	nozzle	6.0	32	1	12.00
51126	nozzle	8.0	32	1	13.00
51127	nozzle	9.0	32	1	14.00

THOMAFLUID® Quick-Disconnect Nipple made of High-Quality Steel, NW 5 mm – shutting-off on one side

Cat. No.	Connection type	Connection size mm/inch	Length mm	Unit piece	Price Euro
51128	nozzle	10.0	32	1	15.00
51150	external thread	R 1/8"	25	1	18.00
51151	external thread	R 1/4"	27	1	18.00
51152	external thread	R 3/8"	27	1	18.00
51170	internal thread	R 1/8"	24	1	26.00
51171	internal thread	R 1/4"	26	1	26.00
51172	internal thread	R 3/8"	26	1	26.00



51 124



51 124

THOMAFLUID® Quick-Disconnect Coupling made of High-Quality Steel, NW 7.4 mm – shutting-off on one side

Product specification:

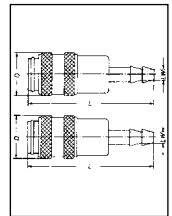
- Female coupling part. With shut-off and hose nozzle; external or internal thread for piping connection. Fitting all male coupling parts of nominal width 7.4 mm locking on one side.

Cat. No.	Connection type	Connection size mm/inch	Length mm	Unit piece	Price Euro
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51043	nozzle	6.0	73	1	185.00
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51 043



51 043

51044	nozzle	8.0	73	1	90.00
51045	nozzle	9.0	73	1	90.00
51046	nozzle	10.0	73	1	90.00
51047	nozzle	13.0	73	1	192.00
51005	external thread	R 1/4"	60	1	179.00
51006	external thread	R 3/8"	60	1	90.00
51007	external thread	R 1/2"	65	1	192.00
51023	internal thread	R 1/4"	56	1	90.00
51024	internal thread	R 3/8"	56	1	90.00
51025	internal thread	R 1/2"	58	1	90.00

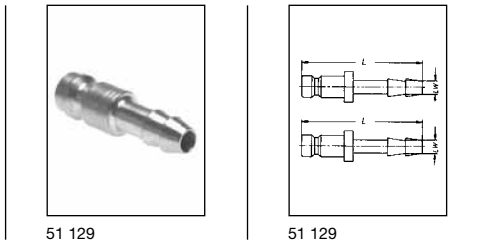
COUPLING TECHNOLOGY

THOMAFLUID® Quick-Disconnect Nipple made of High-Quality Steel, NW 7.4 mm – shutting-off on one side

Product specification:

- Male coupling part. With port and hose nozzle; external or internal thread for piping connection. Fitting all female coupling parts of nominal width 7.4 mm locking on one side.

Cat. No.	Connection type	Connection size mm/inch	Length mm	Unit piece	Price Euro
51129	nozzle	6.0	48	1	18.00
51130	nozzle	8.0	48	1	18.00
51131	nozzle	9.0	48	1	18.00
51132	nozzle	10.0	48	1	18.00
51133	nozzle	13.0	49	1	26.00



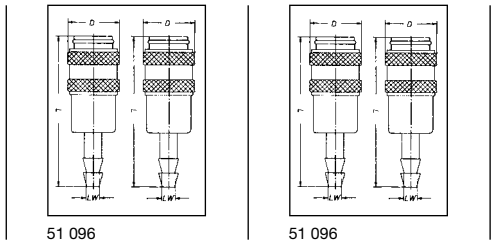
51153	external thread	R 1/8"	35	1	21.00
51154	external thread	R 1/4"	37	1	21.00
51155	external thread	R 3/8"	37	1	21.00
51156	external thread	R 1/2"	41	1	21.00
51173	internal thread	R 1/8"	32	1	28.00
51174	internal thread	R 1/4"	33	1	28.00
51175	internal thread	R 3/8"	33	1	28.00
51176	internal thread	R 1/2"	36	1	30.00

THOMAFLUID® Quick-Disconnect Coupling made of High-Quality Steel, NW 2.7 mm – shutting-off on both sides

Product specification:

- Female coupling part. With shut-off and hose nozzle; external or internal thread for piping connection. Fitting all male coupling parts of nominal width 2.7 mm locking on both sides.

Cat. No.	Connection type	Connection size mm/inch	Length mm	Unit piece	Price Euro
51096	nozzle	3.0	35	1	108.00
51097	nozzle	4.0	35	1	108.00
51062	external thread	M5	26	1	91.00
51063	external thread	R 1/8"	28	1	91.00
51080	internal thread	M5	26	1	96.00

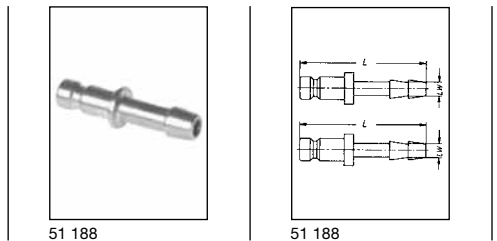


51081	internal thread	R 1/8"	28	1	96.00
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THOMAFLUID® Quick-Disconnect Nipple made of High-Quality Steel, NW 2.7 mm – shutting-off on both sides

Product specification:

- Male coupling part. With shut-off and hose nozzle; external or internal thread for piping connection. Fitting all female coupling parts of nominal width 2.7 mm locking on both sides.



Cat. No.	Connection type	Connection size mm/inch	Length mm	Unit piece	Price Euro
51188	nozzle	3.0	28	1	96.00
51189	nozzle	4.0	28	1	96.00
51214	external thread	M5	18	1	44.00
51215	external thread	R 1/8"	20	1	44.00
51234	internal thread	M5	17	1	89.00
51235	internal thread	R 1/8"	19	1	89.00

THOMAFLUID® Quick-Disconnect Couplings made of High-Quality Steel – shutting-off on both sides

General product specification

- NODVOL® quick-release couplings are excellently suitable for connecting and disconnecting of tubing, apparatuses etc. One-hand operating of all quick-release couplings allows coupling or disconnecting even at places hard to get to. When disconnecting, both, the valve in the quick-release coupling and the valve in the locking nipple shut off automatically, thus preventing outflow of the medium. This represents a considerable advantage for handling aggressive media. A complete operable quick-release coupling consists of a coupling part and a nipple part. All coupling parts (female parts) and nipple parts (male parts) are delivered with shut-off valve.

General technical specification:

- Material:**
 - Valve body: high-quality steel 1.4305
 - Unlocking bush: high-quality steel 1.4305
 - Valve: high-quality steel 1.4310
 - Springs, retaining rings: high-quality steel 1.4034
 - Balls: high-quality steel 1.4401
 - Gasket: FPM (fluorinated rubber)
- Temperature range:** -40 °C to +200 °C
- Max. operating pressure:** 70 bar

THOMAFLUID® Quick-Disconnect Coupling made of High-Quality Steel, NW 5 mm – shutting-off on both sides

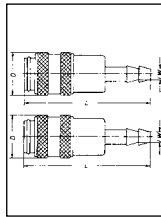
Product specification:

- Female coupling part. With shut-off and hose nozzle; external or internal thread for piping connection. Fitting all male coupling parts of nominal width 5 mm locking on both sides.

Cat. No.	Connection type	Connection size mm/inch	Length mm	Unit piece	Price Euro
51098	nozzle	4.0	46	1	123.00
51099	nozzle	6.0	46	1	123.00
51100	nozzle	8.0	46	1	123.00
51101	nozzle	9.0	46	1	123.00
51102	nozzle	10.0	46	1	123.00



51 098



51 098

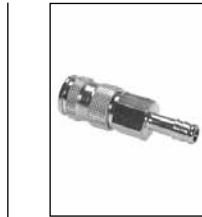
51064	external thread	R 1/8"	36	1	91.00
51065	external thread	R 1/4"	38	1	91.00
51066	external thread	R 3/8"	38	1	99.00
51082	internal thread	R 1/8"	36	1	100.00
51083	internal thread	R 1/4"	38	1	100.00
51084	internal thread	R 3/8"	38	1	100.00

THOMAFLUID® Quick-Disconnect Coupling made of High-Quality Steel, NW 7.4 mm – shutting-off on both sides

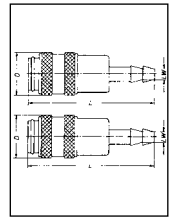
Product specification:

- Female coupling part. With shut-off and hose nozzle; external or internal thread for piping connection. Fitting all male coupling parts of nominal width 7.4 mm locking on both sides.

Cat. No.	Connection type	Connection size mm/inch	Length mm	Unit piece	Price Euro
51103	nozzle	6.0	73	1	210.00
51104	nozzle	8.0	73	1	210.00
51105	nozzle	9.0	73	1	210.00
51106	nozzle	10.0	73	1	210.00



51 103



51 103

51107	nozzle	13.0	73	1	217.00
51067	external thread	R 1/4"	60	1	204.00
51068	external thread	R 3/8"	60	1	204.00
51069	external thread	R 1/2"	65	1	204.00
51085	internal thread	R 1/4"	56	1	204.00
51086	internal thread	R 3/8"	56	1	204.00
51087	internal thread	R 1/2"	58	1	217.00

THOMAFLUID® Quick-Disconnect Nipple made of High-Quality Steel, NW 5 mm – shutting-off on both sides

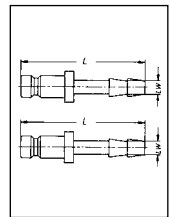
Product specification:

- Male coupling part. With shut-off and hose nozzle; external or internal thread for piping connection. Fitting all female coupling parts of nominal width 5 mm locking on both sides.

Cat. No.	Connection type	Connection size mm/inch	Length mm	Unit piece	Price Euro
51190	nozzle	4.0	32	1	88.00
51191	nozzle	6.0	32	1	88.00
51192	nozzle	8.0	32	1	93.00
51193	nozzle	9.0	32	1	93.00
51194	nozzle	10.0	32	1	93.00
51216	external thread	R 1/8"	25	1	70.00
51217	external thread	R 1/4"	27	1	70.00
51218	external thread	R 3/8"	27	1	70.00
51236	internal thread	R 1/8"	24	1	92.00
51237	internal thread	R 1/4"	26	1	92.00
51238	internal thread	R 3/8"	26	1	92.00



51 195



51 195

Product specification:

- Male coupling part. With shut-off and hose nozzle; external or internal thread for piping connection. Fitting all female coupling parts of nominal width 7.4 mm locking on both sides.

Cat. No.	Connection type	Connection size mm/inch	Length mm	Unit piece	Price Euro
51195	nozzle	6.0	48	1	95.00
51196	nozzle	8.0	48	1	95.00
51197	nozzle	9.0	48	1	95.00

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COCKS AND VALVES

THOMAFIUID® Quick-Disconnect Nipple made of High-Quality Steel, NW 7.4 mm – shutting-off on both sides

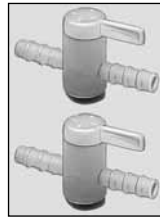
Cat. No.	Connection type	Connection size mm/inch	Length mm	Unit piece	Price Euro
51198	nozzle	10.0	48	1	99.00
51199	nozzle	13.0	48	1	99.00
51219	external thread	R 1/8"	35	1	97.00
51220	external thread	R 1/4"	37	1	97.00
51221	external thread	R 3/8"	37	1	97.00
51222	external thread	R 1/2"	41	1	117.00
51239	internal thread	R 1/8"	32	1	94.00
51240	internal thread	R 1/4"	33	1	94.00
51241	internal thread	R 3/8"	33	1	94.00
51242	internal thread	R 1/2"	36	1	100.00

THOMAPLAST® Two-Way Cock System: MULTIFIT®-ZWH VBP2

Technical specification:

- **Design:** Hose nozzles at both sides for tubing of inside Ø 5-11 mm
- **Max. operating pressure:** 1.5 bar

Cat. No.	Nominal width mm	For tubing inside Ø mm	Material	Unit piece	Price Euro
33455	4	5 – 7	PE	1	16.00
33456	4	5 – 7	PVDF	1	29.00
33457	6	7 – 9	PE	1	18.00
33458	6	7 – 9	PVDF	1	29.00
33459	8	9 – 11	PE	1	18.00
33460	8	9 – 11	PVDF	1	29.00



33 455



33 455

Cocks and Valves

Straight-Way Cocks

Plastics

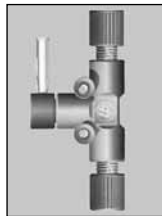
THOMAFIUID® High-Tech Straight-Way Cock Made of PEEK

Product specification:

- „On/Off“ switch cock made of high-tech polymer material PEEK (polyether-etherketone) for piping of rigid polymer materials especially PEEK, with outside diameter 1.6 mm (1/16") or 3.2 mm (1/8"), small dead volume (< 10 µl), pressure loadable up to 7 bar. Chemically inert to acids (except conc. sulfuric and nitric



43 858



43 858

acid), alkalis and solvents, sterilizable with all known procedures. Practice-oriented finish with mounting holes for system assemblies. Complete with screw-in fittings made of PEEK with ETFE ferrules, mountable without tools.

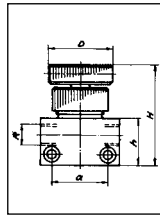
Cat. No.	Outside Ø mm	Unit piece	Price Euro
43858	1.6	1	151.00
43859	3.2	1	151.00

THOMAFIUID® Two-Way Cock System: MULTIFIT®-ZWH EMP 4

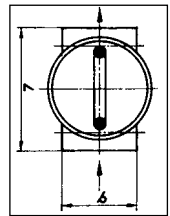
Product specification:

Design: R-internal thread at both sides, Cock plug made of PTFE

Cat. No.	Nominal with mm	Internal thread inch	L mm	b mm	H mm	h mm	D mm	a mm	Material	Unit piece	Price Euro
24396	4	R 1/4"	50	30	70	30	40	35	PP	1	178.00
24397	4	R 1/4"	50	30	70	30	40	35	PTFE	1	201.00



24 396



24 396

24398	4	R 1/4"	50	30	70	30	40	35	PVDF	1	190.00
24400	6	R 1/4"	50	30	70	30	40	35	PP	1	178.00
24401	6	R 1/4"	50	30	70	30	40	35	PTFE	1	201.00
24402	6	R 1/4"	50	30	70	30	40	35	PVDF	1	190.00
24404	8	R 1/2"	70	50	110	45	48	50	PP	1	202.00
24405	8	R 1/2"	70	50	110	45	48	50	PTFE	1	282.00
24406	8	R 1/2"	70	50	110	45	48	50	PVDF	1	266.00
24408	10	R 1/2"	70	50	110	45	48	50	PP	1	202.00
24409	10	R 1/2"	70	50	110	45	48	50	PTFE	1	282.00
24410	10	R 1/2"	70	50	110	45	48	50	PVDF	1	266.00

THOMAFLUID® PE Chemical Straight-Way Cock

Type: HFFL 36-2

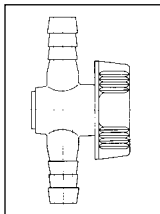
Product specification:

- Straight-way cock made of natural-coloured, rigid polyethylene (HD-PE), with strong hose nozzles on both sides and reinforced handle knob.
- Max. pressure load at approx. 0.3 bar

Cat. No.	For tubing inside Ø mm	Nominal width mm	h mm	L mm	Unit piece	Price Euro
40709	12.7	9	52	97	5	39.00
40710	9.6	7	37	71	5	39.00



40 709



40 709

THOMAFLUID® PE Chemical Straight-Way Cock

Type: HFFL 36-6

Product specification:

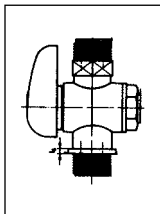
- Straight-way cock made of natural-coloured, rigid polyethylene (HD-PE), with R-external thread on both sides.

Technical specification:

- **Max. temperature:** up to +100 °C, for a short time +115 °C
- **Max. operating pressure:** 0.3 bar



40 709



40 709

Cat. No.	External thread inch	Inside Ø mm	Unit piece	Price Euro
40707	R 1/2"	12	3	75.00
40708	R 3/4"	15.5	3	81.00

THOMAFLUID® PP Straight-Way Cock

Type: VB 17895

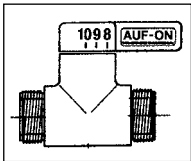
Product specification:

- Cap nut with internal thread R 3/4" at one side and external thread R 3/4" for combination with straight through-way nozzles (Cat. No. 14365 to 14370) at the other side.
- Metering scale on the rotary handle ensures reproducible filling quantities.
- Autoclavable at +121 °C

Cat. No.	Internal thread inch	External thread inch	Unit piece	Price Euro
14364	R 3/4"	R 3/4"	1	49.00



14 364



14 364

THOMAFLUID® PP Straight-Way Cock

Type: VB 17995

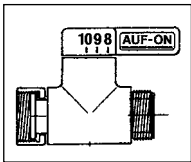
Product specification:

- External thread R 3/4" at both sides
- Metering scale on the rotary handle ensures reproducible flow rates
- Thread matches adapter tubing nozzles Cat. No. 14365 to 14370 and 14371
- Autoclavable at +121 °C

Cat. No.	External thread inch	Unit piece	Price Euro
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14 373



14 373

14373	R 3/4"	1	69.00
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THOMAFLUID® PP Straight-Way Cock

Type: VB 17995

Product specification:

- Cap nuts with screw-on internal thread R 3/4" at both sides
- Metering scale on the rotary handle ensures reproducible flow rates
- Autoclavable at +121 °C

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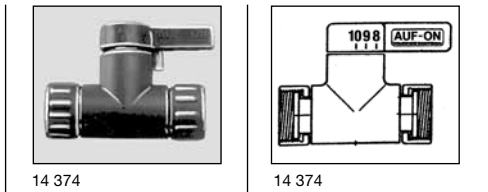
COCKS AND VALVES

THOMAFLUID® PP Straight-Way Cock Type: VB 17995

Cat. No.	Internal thread inch	Unit piece	Price Euro
14374	R 3/4"	1	75.00

THOMAFLUID® PP Bend Outlet with Reducing Nozzle Type: VB 17895

Product specification:



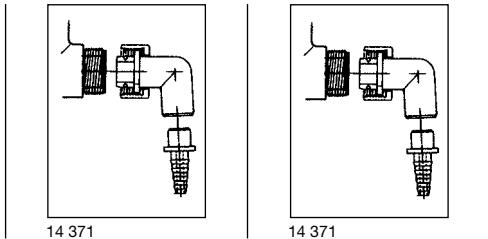
- Cap nut with internal thread R 3/4" at one side, nozzle for tubing ID 6 mm at the other side
- Matches Cat. No. 14373 and 14364

Cat. No.	For tubing inside Ø mm	Internal thread inch	Unit piece	Price Euro
14371	6	R 3/4"	1	23.00

THOMAFLUID® PP Adapter Hose Nozzles Type: VB 17895

Product specification:

- Cap nut with internal thread R 3/4" at one side, nozzles for tubing ID 4, 6, 8, 10, 12 and 16 mm at the other side.



- Matches Cat. No. 14373 and 14364.

Cat. No.	For tubing inside Ø mm	Internal thread inch	Unit piece	Price Euro
14365	4	R 3/4"	1	13.00
14366	6	R 3/4"	1	13.00
14367	8	R 3/4"	1	13.00
14368	10	R 3/4"	1	13.00
14369	12	R 3/4"	1	13.00
14370	16	R 3/4"	1	13.00

THOMAFLUID® PE Chemical Drain Cock Type: MULTIFIT®-HFFL 36-5

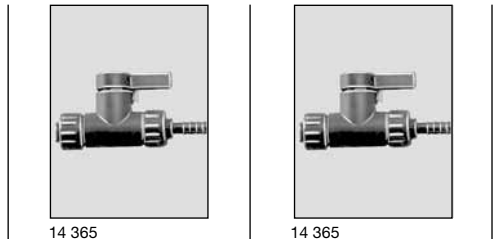
Product specification:

- Drain cock made of natural-coloured, rigid polyethylene (HD-PE) with 90° discharge conduit elbow, external threads at both sides.

Technical specification:

- **Temperature range:** -30 to +100 °C, for a short time +115°C
- **Max. operating pressure:** 2 bar

Cat. No.	Inside Ø mm	External thread inch	Unit piece	Price Euro
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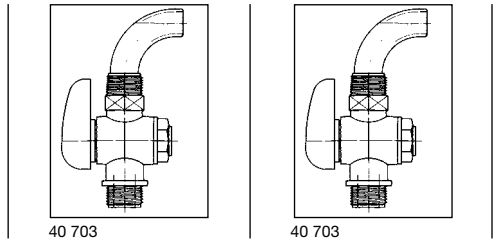


40703	12.0	R 1/2"	3	75.00
40704	15.5	R 3/4"	3	81.00

THOMAFLUID® PP Drain Cock with Nozzle Type: VB 17895

Product specification:

- Cap nut with internal thread R 3/4" at one side, bend outlet with reducing nozzle for tubing ID 6 mm and integrated drop preventing device at the other side (no dropping of residual liquid).



- Metering scale on rotary handle ensures reproducible filling quantities.
- Autoclavable at +121 °C

Cat. No.	Internal thread inch	Unit piece	Price Euro
40047	R 3/4"	1	54.00
40048	R 3/4"	3	102.00

THOMAFLUID®-MULTIFIT®-Stopcocks

General product specification:

- MULTIFIT® cocks and valves for rigid tubing

General technical specification:

• **Material:**

Body and plug: PTFE
Cap nuts: alternatively PVC or PCTFE

• **Sizes:**

A: for tubing outside Ø 0.6 to 1.0 mm (1/32");

C: for tubing outside Ø 1.3 to 1.6 mm (1/16");

D: for tubing outside Ø 2.4 to 3.2 mm (1/8");

E: for tubing outside Ø 5.7 to 6.4 mm (1/4")



40 047 (see page 49)



40 047 (see page 49)

MULTIFIT® Stopcocks for Tubing of Different Size

Product specification:

- Design: for tubing of different outside Ø

Cat. No.	For pipes outside Ø (A) mm	For pipes outside Ø (B) mm	Size	Nuts made of	Unit piece	Price Euro
93012047	0.6 – 1.0	5.7 – 6.4	A / E	PVC	1	92.00
93012057	1.3 – 1.6	5.7 – 6.4	C / E	PVC	1	92.00
93012067	2.4 – 3.2	5.7 – 6.4	D / E	PVC	1	92.00
930120479	0.6 – 1.0	5.7 – 6.4	A / E	PCTFE	1	136.00
930120579	1.3 – 1.6	5.7 – 6.4	C / E	PCTFE	1	136.00
930120679	2.4 – 3.2	5.7 – 6.4	D / E	PCTFE	1	136.00



93 012047



93 012047

MULTIFIT® Stopcocks for Tubing of the Same Size

Product specification:

- Design: for tubing of the same outside Ø

Cat. No.	For pipes outside Ø mm	Size	Nuts made of	Unit piece	Price Euro
9301204	0.6 – 1.0	A / A	PVC	1	92.00
9301205	1.3 – 1.6	C / C	PVC	1	92.00



93 01204



93 01204

MULTIFIT® PTFE Stopcock
Type: MULTIFIT®

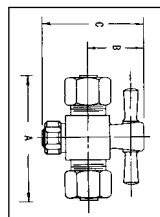
Technical specification:

- Material:**
Body and plug: PTFE
Cap nuts: high quality steel
- Connection:**
for tubing of the same outside Ø

Cat. No.	For pipes outside Ø inch	Bore mm	A mm	B mm	C mm	Cat. No.	Unit piece	Price Euro
						PTFE-tubing		



60 091



60 091

9301206	2.4 – 3.2	D / D	PVC	1	92.00
9301207	5.7 – 6.4	E / E	PVC	1	92.00
93012049	0.6 – 1.0	A / A	PCTFE	1	136.00
93012059	1.3 – 1.6	C / C	PCTFE	1	136.00
93012069	2.4 – 3.2	D / D	PCTFE	1	136.00
93012079	5.7 – 6.4	E / E	PCTFE	1	136.00

60091	1/8"	1.0	48	24	44	92566	1	141.00
60092	3/16"	1.0	54	24	44	92592	1	161.00
60093	3/16"	2.0	54	24	44	92592	1	161.00
60094	3/16"	3.0	54	24	44	92592	1	161.00
60095	1/4"	1.0	54	24	44	92614	1	169.00
60096	1/4"	2.0	54	24	44	92614	1	169.00
60097	1/4"	3.0	54	24	44	92614	1	169.00
60098	5/16"	1.0	54	24	44	92622	1	179.00
60099	5/16"	2.0	54	24	44	92622	1	179.00
60100	5/16"	3.0	54	24	44	92622	1	179.00
60101	5/16"	4.0	59	31	52	92622	1	195.00

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COCKS AND VALVES

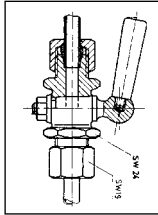
MULTIFIT® PTFE Stopcock Type: MULTIFIT®

Cat. No.	For pipes outside Ø inch	Bore mm	A mm	B mm	C mm	Cat. No. PTFE- tubing	Unit piece	Price Euro
60102	5/16"	5.0	59	31	52	92622	1	195.00
60103	3/8"	4.0	59	31	52	92640	1	200.00
60104	3/8"	5.0	59	31	52	92640	1	200.00
60105	1/2"	4.0	59	31	52	92660	1	205.00
60106	1/2"	5.0	59	31	52	92660	1	205.00

Metals



10 749



10 749

NODVOL® Straight-Way Cock Made of High Quality Steel

Product specification:

- Robust cock housing, cock plug with large outside diameter ensuring ample overlap and reliable sealing. Bite-type fitting joints (8 mm) on both sides.
- Suitable for gases, liquids, and vapours up to PN 10.
- Working temperature for high-quality steel (1.4571): -5 °C to +130 °C.

Cat. No.	For pipes outside Ø mm	Bore mm	WAF1 mm	WAF2 mm	Unit piece	Price Euro
10749	8	6	24	19	1	254.00

NODVOL® Straight-Way Cock Made of High Quality Steel

Product specification:

- Robust cock housing, cock plug with large outside diameter ensuring ample overlap and reliable sealing.
- Cock fitted with internal thread on both sides.
- Suitable for gases, liquids, and vapours up to PN 10.
- Working temperature for high-quality steel (1.4571): -5 °C to +130 °C.

Cat. No.	Internal thread inch	Bore mm	d1 mm	l1 mm	l2 mm	Unit piece	Price Euro
54523	R 1/4"	4	17	10	21	1	116.00
54524	R 3/8"	6	22	12	24	1	128.00
54525	R 1/2"	8	26	14	28	1	149.00
54526	R 3/4"	12	32	16	34	1	190.00
54527	R 1"	15	41	20	42	1	307.00

NODVOL® Hose Connecting Cock Made of High Quality Steel

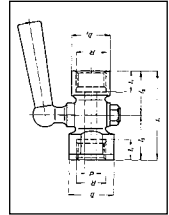
Product specification:

- Robust cock housing, cock plug with large outside diameter ensuring ample overlap and reliable sealing. Cock connection with threaded adapter (threaded spigot) on one side, with straight hose connector on the other side.
- Suitable for gases, liquids, and vapours up to PN 10. Working temperature for high-quality steel (1.4571): -5 °C to +130 °C.

Cat. No.	External thread inch	Bore mm	d1 mm	l mm	l1 mm	l2 mm	Unit piece	Price Euro
54518	R 1/4"	4	8	10	18	39	1	108.00
54519	R 3/8"	6	10	12	21	45	1	133.00
54520	R 1/2"	8	12	14	23	52	1	164.00



54 523



54 523

54521	R 3/4"	12	18	16	32	64	1	225.00
54522	R 1"	14	24	20	40	80	1	323.00

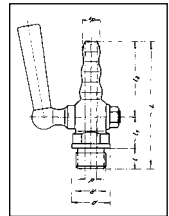
NODVOL® Straight-Way Cock Made of Brass and High-Quality Steel

General product specification:

- Straight-way cock with through bore 1/4" (6.35 mm), made of brass and high-quality steel SS 316 (US standard), with interchangeable PTFE soft seat sealing for connection of standard capillaries.
- Maximum working pressure for both types: 18 bar.



54 518



54 518

- Fitted with bite-type fitting joints on both sides. This method of sealing ensures almost zero dead volume.

NODVOL® Straight-Way Cock Made of Brass

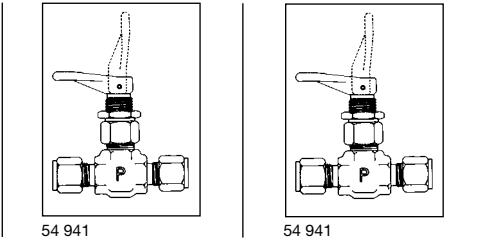
Cat. No.	For pipes outside Ø inch	Unit piece	Price Euro
54942	1/8"	1	121.00
54944	1/4"	1	121.00

NODVOL® Straight-Way Cock Made of High Quality Steel

Cat. No.	For pipes outside Ø inch	Unit piece	Price Euro
54941	1/8"	1	236.00
54943	1/4"	1	236.00

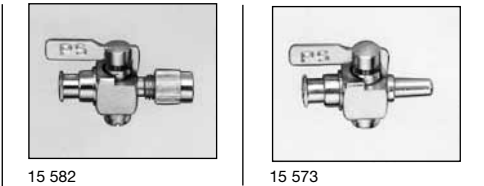
THOMAFLUID® Luer Tubing Stopcocks for Rigid Plastic Tubing System: NODVOL®-PPS-HP-6030

Product specification:



- Precision straight-way cocks (off-on-off) in miniaturized construction, on one side special RCT screw fitting for connection of PTFE, polyethylene or polypropylene tubing in usual standard sizes, on the other side female Luer connection; individually lobed seal faces, permanently chromium-plated; handy, 180° rotatable cock plug with end stop.

Cat. No.	For tubing inside Ø mm	For tubing outside Ø mm	Bore mm	Unit piece	Price Euro
15582	0.25 – 0.65	1.1	0.5	1	74.00
15583	0.65 – 0.9	1.5	0.8	1	74.00
15584	1.0 – 1.3	1.9	1.3	1	74.00
15585	1.6 – 1.8	2.7	1.8	1	74.00



15586	2.0 – 2.7	3.7	2.4	1	74.00
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THOMAFLUID® Luer Tubing Stopcocks System: NODVOL®-PPS-6019

Product specification:

- Precision straight-way cocks (off-on-off) in miniaturized construction, individually lobed seal faces, permanently chromium-plated, on both sides optionally Luer/Luer-lock connections male and female each or hose nozzles for flexible plastic tubing; handy, 180° rotatable cock plug with end stop.

THOMAFLUID® Luer Tubing Stopcocks System: NODVOL®-PPS-6019

Cat. No.	Connection type	Unit piece	Price Euro
15573	female Luer // male Luer	1	66.00
15574	female Luer // female Luer	1	71.00
15575	female Luer // male Luer-Lock	1	73.00
15576	male Luer-Lock//male Luer-Lock	1	81.00

THOMAFLUID® Tubing Stopcocks System: NODVOL®-PPS-6019

Product specification:

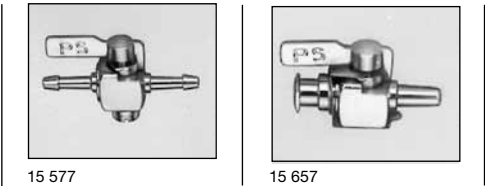
- Precision straight-way cocks (off-on-off) in miniaturized construction, individually lobed seal faces, permanently chromium-plated, on both sides hose nozzles for flexible plastic tubing; handy, 180° rotatable cock plug with end stop.

Cat. No.	Connection type	Connection size mm	Unit piece	Price Euro
15577	nozzle	1.6 – 2.4	1	76.00
15578	nozzle	3.2 – 4.8	1	71.00
15579	nozzle	4.8 – 6.4	1	75.00
15580	nozzle	6.4 – 8.0	1	75.00
15581	female Luer // nozzle	1.6 – 2.4	1	71.00

THOMAFLUID® Luer-Luer Precision Stopcocks System: NODVOL®-PPS-6066

Product specification:

- Precision straight one-way cocks (off-on-off) in miniaturized construction, on both sides Luer-type connections. Individually lobed seal faces according to A.S.A. Spec. Z70.1, permanently chromium-plated; handy, 180° rotatable cock plug with end stop, additionally plug clip for fixation of the cock plug in the end positions „off“ and „on“.



Cat. No.	Connection type	Unit piece	Price Euro
15657	female Luer // male Luer	1	137.00
15658	female Luer // male Luer-Lock	1	147.00

NODVOL® Stopcock Made of High Quality Steel

Product specification:

- Stopcock with through-bore 1/4" (6.35 mm) made of high-qua-

lity steel SS 316 (US standard) with PTFE gasket for connection of standard capillaries.

- Fitted with tapered NPT-threads on both sides.
- Maximum working pressure: 345 bar.

Cat. No.	Internal thread inch	Max. operating pressure ¹ bar	Unit piece	Price Euro
97411	NPT 1/8"	345	1	236.00

¹ at + 20 °C

NODVOL® Drain Cock Made of High-Quality Steel

Product specification:



97 411



97 411

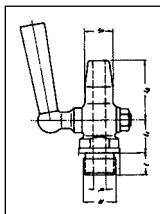
- Robust cock housing, cock plug with large outside diameter ensuring ample overlap and reliable sealing. Cock connection with threaded adapter (threaded spigot) on one side and straight outlet on the other side.
- Suitable for gases, liquids, and vapours up to PN 10.
- Working temperature for high-quality steel (1.4571): -5 °C to +130 °C.

Cat. No.	External thread inch	Bore mm	d1 mm	l mm	l1 mm	l2 mm	Unit piece	Price Euro
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54538	R 1/4"	4	12	10	18	30	1	113.00
54539	R 3/8"	6	14	12	21	33	1	144.00
54540	R 1/2"	8	18	14	23	38	1	164.00



54 538



54 538

54541	R 3/4"	12	22	16	32	48	1	210.00
54542	R 1"	15	27	20	40	62	1	287.00

NODVOL® Drain Cock Made of Brass and High-Quality Steel

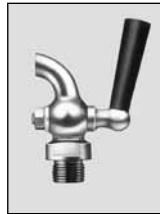
Product specification:

- Robust cock housing, cock plug with large outside diameter ensuring ample overlap and reliable sealing. Cock connection with

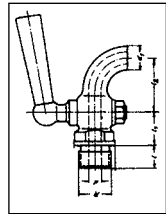
threaded adapter (threaded spigot) on one side and bent outlet on the other side.

- Suitable for gases, liquids, and vapours up to PN 10.
- Working temperature for high-quality steel (1.4571): -5 °C to +130 °C; working temperature for brass: -5 °C to +50 °C.
- Working temperature for high-quality steel (1.4571): -5 °C to +130 °C; working temperature for brass: -5 °C to +50 °C.

Cat. No.	External thread inch	Bore mm	d1 mm	l mm	l1 mm	l2 mm	Material	Unit piece	Price Euro
54528	R 1/4"	4	9	10	18	24	brass	1	39.00
54533	R 1/4"	4	9	10	18	24	high-quality steel	1	128.00
54529	R 3/8"	6	12	12	21	30	brass	1	44.00
54534	R 3/8"	6	12	12	21	30	high-quality steel	1	144.00
54530	R 1/2"	8	15	14	23	35	brass	1	54.00
54535	R 1/2"	8	15	14	23	35	high-quality steel	1	174.00



54 528



54 528

54531	R 3/4"	12	20	16	32	46	brass	1	62.00
54536	R 3/4"	12	20	16	32	46	high-quality steel	1	246.00
54532	R 1"	15	25	20	40	58	brass	1	100.00
54537	R 1"	15	25	20	40	58	high-quality steel	1	348.00

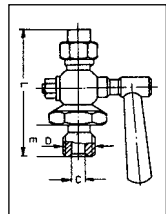
NODVOL® Drain Cock Made of Brass and High-Quality Steel

Product specification:

- Robust cock housing, cock plug with large outside diameter ensuring ample overlap and reliable sealing. Cock connection with threaded adapter (threaded spigot) on one side and soldered screwed fitting on the other side.



54 506



54 506

- Suitable for gases, liquids, and vapours up to PN 10.
- Working temperature for high-quality steel (1.4571): -5 °C to +130 °C; working temperature for brass: -5 °C to +50 °C.

Cat. No.	External thread inch	Bore mm	Outside Ø soldered pipe mm	L mm	WAF mm	E mm	Material	Unit piece	Price Euro
54506	R 1/4"	4	6	48	19	10	brass	1	46.00
54513	R 1/4"	4	6	48	19	10	high-quality steel	1	136.00
54507	R 3/8"	6	8	55	22	10	brass	1	54.00

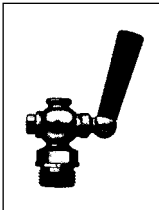
NODVOL® Drain Cock Made of Brass and High-Quality Steel

Cat. No.	External thread inch	Bore mm	Outside Ø soldered pipe mm	L mm	WAF mm	E mm	Material	Unit piece	Price Euro
54514	R 3/8"	6	8	55	22	10	high-quality steel	1	151.00
54508	R 1/2"	8	10	65	27	14	brass	1	57.00
54515	R 1/2"	8	10	65	27	14	high-quality steel	1	202.00
54509	R 3/4"	12	15	90	32	16	brass	1	82.00
54516	R 3/4"	12	15	90	32	16	high-quality steel	1	246.00
54510	R 1"	15	22	105	41	20	brass	1	136.00
54517	R 1"	15	22	105	41	20	high-quality steel	1	348.00

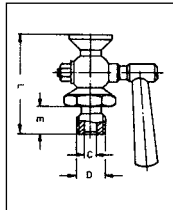
NODVOL® Drain Cock Made of Brass and High-Quality Steel**Type: THOMASTEEL 1.4571****Product specification:**

- Robust cock housing, cock plug with large outside diameter ensuring ample overlap and reliable sealing.
- Cock connection with threaded adapter (threaded spigot) on one side and smooth outlet on the other side.
- Suitable for gases, liquids, and vapours up to PN 6.
- Working temperature for high-quality steel (1.4571): -5 °C to +130 °C; working temperature for brass: -5 °C to +50 °C.

Cat. No.	External thread inch	Bore mm	L mm	WAF mm	E mm	Material	Unit piece	Price Euro
502901	R 1/8"	4	39	19	9	high-quality steel	1	105.00
50290	R 1/8"	4	35	17	8	brass	1	34.00
50291	R 1/4"	6	38	17	10	brass	1	36.00
54500	R 1/4"	4	39	19	10	high-quality steel	1	123.00
50292	R 3/8"	8	46	17	9	brass	1	39.00
54501	R 3/8"	6	45	22	11	high-quality steel	1	149.00
50293	R 1/2"	12	50	19	11	brass	1	54.00



50 2901



50 2901

54502	R 1/2"	8	55	27	14	high-quality steel	1	169.00
50294	R 3/4"	14	57	25	10	brass	1	118.00
54503	R 3/4"	12	66	32	16	high-quality steel	1	200.00
50295	R 1"	19	80	34	17	brass	1	215.00
54504	R 1"	15	84	41	20	high-quality steel	1	292.00
50297	R 1 1/2"	32				brass	1	269.00

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Multiple-Way Cocks**Plastics****THOMAFLUID®-MULTIFIT®- Multiple-Way Cocks****General product specification:**

- Multifit® cocks and valves for rigid tubing
- With fine regulation, for controlled splitting of flow and reproducible, constant aliquot sampling

General technical specification:

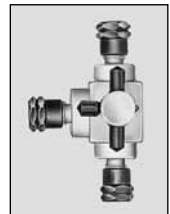
- **Material:** Body and cock plug made of PTFE, valve needle made of PCTFE
- **Max. operating pressure:** 1.5 bar
- **Sizes:**
 - A: for tubing outside Ø 0.6 to 1.0 mm (1/32");
 - C: for tubing outside Ø 1.3 to 1.6 mm (1/16");
 - D: for tubing outside Ø 2.4 to 3.2 mm (1/8");
 - E: for tubing outside Ø 5.7 to 6.4 mm (1/4")

MULTIFIT® PTFE Three-Way Cocks

Cat. No.	For pipes outside Ø mm	Size	Nuts made of	Unit piece	Price Euro
9300105	1.3 – 1.6	C / C / C	PVC	1	151.00
9300106	2.4 – 3.2	D / D / D	PVC	1	151.00
9300107	5.7 – 6.4	E / E / E	PVC	1	151.00
93001059	1.3 – 1.6	C / C / C	PCTFE	1	169.00
93001069	2.4 – 3.2	D / D / D	PCTFE	1	169.00
93001079	5.7 – 6.4	E / E / E	PCTFE	1	169.00

MULTIFIT® PTFE Multiple-Way Cocks

93 00105



93 00105

Cat. No.	For pipes outside Ø mm	Size	Nuts made of	Unit piece	Price Euro
9300505	1.3 – 1.6	C / C / C	PVC	1	159.00
9300506	2.4 – 3.2	D / D / D	PVC	1	159.00
93005059	1.3 – 1.6	C / C / C	PCTFE	1	190.00
93005069	2.4 – 3.2	D / D / D	PCTFE	1	190.00

THOMAFIUID® Three-Way Cock – T-Bore System: MULTIFIT®-DH VBP 2**Technical specification:**

- **Design:** T-bore, nozzles on three sides for tubing of inside Ø 5-11 mm
- **Max. operating pressure:** 1.5 bar

Cat. No.	Nominal width mm	For tubing inside Ø mm	Material	Unit piece	Price Euro
33462	4	5 – 7	PE	1	29.00
33463	4	5 – 7	PVDF	1	37.00
33464	6	7 – 9	PE	1	29.00
33465	6	7 – 9	PVDF	1	42.00
33466	8	9 – 11	PE	1	29.00
33467	8	9 – 11	PVDF	1	42.00



93 00505 (see page 54)



93 005059 (see page 54)

THOMAFIUID® Three-Way Cock with L-Cock Plug System: MULTIFIT®-DWH EMP 4**Product specification:**

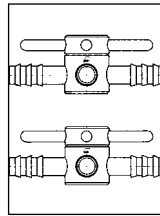
- Design: L-cock plug made of PTFE, 3 x R-internal thread

Cat. No.	Nominal width mm	Internal thread inch	L mm	H mm	h mm	D mm	a mm	Material	Unit piece	Price Euro
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24412	4	R 1/4"	50	70	30	40	35	PP	1	190.00
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33 462



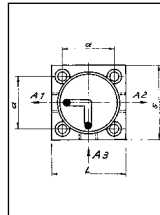
33 462

24413	4	R 1/4"	50	70	30	40	35	PTFE	1	297.00
24414	4	R 1/4"	50	70	30	40	35	PVDF	1	220.00
24416	6	R 1/4"	50	70	30	40	35	PP	1	259.00
24417	6	R 1/4"	50	70	30	40	35	PTFE	1	312.00
24418	6	R 1/4"	50	70	30	40	35	PVDF	1	302.00
24420	8	R 1/2"	70	100	40	48	50	PP	1	259.00
24421	8	R 1/2"	70	100	40	48	50	PTFE	1	312.00
24422	8	R 1/2"	70	100	40	48	50	PVDF	1	302.00
24424	10	R 1/2"	70	100	40	48	50	PP	1	259.00
24425	10	R 1/2"	70	100	40	48	50	PTFE	1	312.00
24426	10	R 1/2"	70	100	40	48	50	PVDF	1	302.00

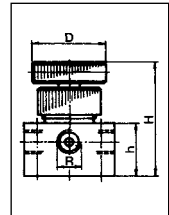
THOMAFIUID® Three-Way Cock with T-Cock Plug System: MULTIFIT®-DWH EMP 4**Product specification:**

- Design: T-cock plug made of PTFE, 3 x R-internal thread

Cat. No.	Nominal width mm	Internal thread inch	L mm	H mm	h mm	D mm	a mm	Material	Unit piece	Price Euro
24428	4	R 1/4"	50	70	30	40	35	PP	1	266.00
24429	4	R 1/4"	50	70	30	40	35	PTFE	1	379.00
24430	4	R 1/4"	50	70	30	40	35	PVDF	1	282.00
24432	6	R 1/4"	50	70	30	40	35	PP	1	266.00
24433	6	R 1/4"	50	70	30	40	35	PTFE	1	379.00
24434	6	R 1/4"	50	70	30	40	35	PVDF	1	282.00



24 412

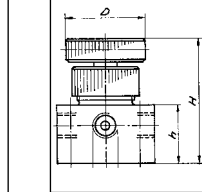


24 412

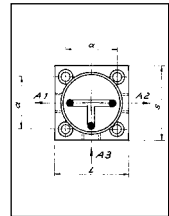
24436	8	R 1/2"	70	100	40	48	50	PP	1	266.00
24437	8	R 1/2"	70	100	40	48	50	PTFE	1	427.00
24438	8	R 1/2"	70	100	40	48	50	PVDF	1	379.00
24440	10	R 1/2"	70	100	40	48	50	PP	1	269.00
24441	10	R 1/2"	70	100	40	48	50	PTFE	1	427.00
24442	10	R 1/2"	70	100	40	48	50	PVDF	1	379.00

THOMAPLAST® Four-Way Cock with L-Cock Plug System: MULTIFIT®-VWH EMP 4**Product specification:**

- Design: L-cock plug made of PTFE, 4 x R-internal thread



24 428

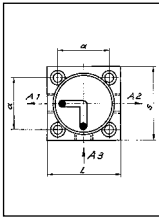


24 428

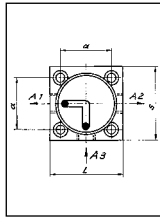
Cat. No.	Nominal width mm	Internal thread inch	L mm	H mm	h mm	D mm	a mm	Material	Unit piece	Price Euro
24444	4	R 1/4"	50	70	30	40	35	PP	1	266.00
24445	4	R 1/4"	50	70	30	40	35	PTFE	1	379.00
24446	4	R 1/4"	50	70	30	40	35	PVDF	1	318.00
24448	6	R 1/4"	50	70	30	40	35	PP	1	266.00
24449	6	R 1/4"	50	70	30	40	35	PTFE	1	379.00

**THOMAPLAST® Four-Way Cock with
L-Cock Plug
System: MULTIFIT®-VWH EMP 4**

Cat. No.	Nominal width mm	Internal thread inch	L mm	H mm	h mm	D mm	a mm	Material	Unit piece	Price Euro
24450	6	R 1/4"	50	70	30	40	35	PVDF	1	318.00
24452	8	R 1/2"	70	100	40	48	50	PP	1	338.00
24453	8	R 1/2"	70	100	40	48	50	PTFE	1	522.00
24454	8	R 1/2"	70	100	40	48	50	PVDF	1	456.00
24456	10	R 1/2"	70	100	40	48	50	PP	1	338.00
24457	10	R 1/2"	70	100	40	48	50	PTFE	1	522.00
24458	10	R 1/2"	70	100	40	48	50	PVDF	1	456.00



24 444 (see page 55)

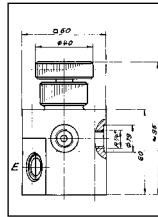


24 444 (see page 55)

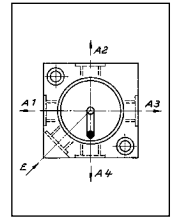
**THOMAPLAST® Five-Way Cock with
One-Way Cock Plug
System: MULTIFIT®-FWH EMP 4**
Product specification:

- Design: One-way cock plug made of PTFE, 5 x R-internal thread

Cat. No.	Nominal width mm	Internal thread inch	L mm	H mm	h mm	D mm	Material	Unit piece	Price Euro
24476	4	R 1/4"	60	95	60	40	PP	1	266.00
24477	4	R 1/4"	60	95	60	40	PTFE	1	379.00
24478	4	R 1/4"	60	95	60	40	PVDF	1	351.00
24480	6	R 1/4"	60	95	60	40	PP	1	287.00
24481	6	R 1/4"	60	95	60	40	PTFE	1	420.00
24482	6	R 1/4"	60	95	60	40	PVDF	1	348.00



24 476

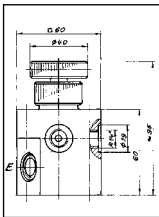


24 476

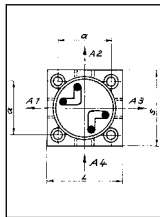
**THOMAPLAST® Four-Way Cock with
Double L-Cock Plug
System: MULTIFIT®-VWH EMP 4**
Product specification:

- Design: Double L-cock plug made of PTFE, 4 x R-internal thread

Cat. No.	Nominal width mm	Internal thread inch	L mm	H mm	h mm	D mm	a mm	Material	Unit piece	Price Euro
24460	4	R 1/4"	50	70	30	40	35	PP	1	266.00



24 460

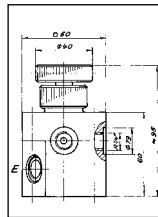


24 460

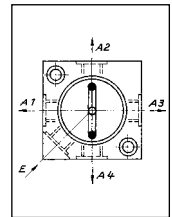
**THOMAPLAST® Five-Way Cock with
Straight-Way Cock Plug
System: MULTIFIT®-FWH EMP 4**
Product specification:

- Design: Straight-way cock plug made of PTFE, 5 x R-internal thread

Cat. No.	Nominal width mm	Internal thread inch	L mm	H mm	h mm	D mm	Material	Unit piece	Price Euro
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24 484



24 484

24461	4	R 1/4"	50	70	30	40	35	PTFE	1	379.00
24462	4	R 1/4"	50	70	30	40	35	PVDF	1	318.00
24464	6	R 1/4"	50	70	30	40	35	PP	1	266.00
24465	6	R 1/4"	50	70	30	40	35	PTFE	1	379.00
24466	6	R 1/4"	50	70	30	40	35	PVDF	1	318.00
24468	8	R 1/2"	70	100	40	48	50	PP	1	373.00
24469	8	R 1/2"	70	100	40	48	50	PTFE	1	569.00
24470	8	R 1/2"	70	100	40	48	50	PVDF	1	472.00
24472	10	R 1/2"	70	100	40	48	50	PP	1	373.00
24473	10	R 1/2"	70	100	40	48	50	PTFE	1	569.00
24474	10	R 1/2"	70	100	40	48	50	PVDF	1	472.00

24484	4	R 1/4"	60	95	60	40	PP	1	266.00
24485	4	R 1/4"	60	95	60	40	PTFE	1	343.00
24488	6	R 1/4"	60	95	60	40	PP	1	266.00
24489	6	R 1/4"	60	95	60	40	PTFE	1	379.00
24490	6	R 1/4"	60	95	60	40	PVDF	1	351.00

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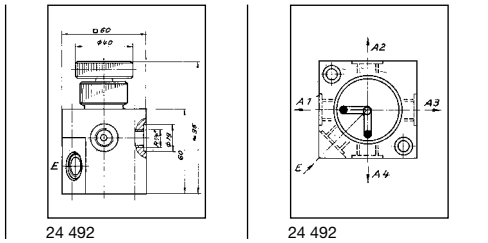
COCKS AND VALVES

THOMAPLAST® Five-Way Cock with L-Cock Plug System System: MULTIFIT®-FWH EMP 4

Technical specification:

- Design: L-cock plug made of PTFE, 5 x R-internal thread

Cat. No.	Nominal width mm	Internal thread inch	L mm	H mm	h mm	D mm	Material	Unit piece	Price Euro
24492	4	R 1/4"	60	95	60	40	PP	1	266.00
24493	4	R 1/4"	60	95	60	40	PTFE	1	379.00
24494	4	R 1/4"	60	95	60	40	PVDF	1	351.00
24496	6	R 1/4"	60	95	60	40	PP	1	292.00
24497	6	R 1/4"	60	95	60	40	PTFE	1	399.00



24498	6	R 1/4"	60	95	60	40	PVDF	1	353.00
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Metals

THOMAFLUID® Three-Way Luer Tube Connecting Cocks for Rigid Plastic Tubing System: NODVOL®-PPS-HP-6035

Product specification:

- Precision three-way cocks in miniaturized construction, on one side special RCT screw fitting for connection of PTFE, polyethylene or polypropylene tubing in usual standard sizes, two rectangular positioned outlets with female Luer connection; individually lobed seal faces, permanently chromium-plated; handy, 180° rotatable cock plug with end stop.

Cat. No.	For tubing outside Ø mm	For tubing inside Ø mm	Bore mm	Unit piece	Price Euro
15587	1.1	0.25 – 0.65	0.5	1	90.00
15588	1.5	0.65 – 0.9	0.8	1	90.00
15589	1.9	1.0 – 1.3	1.3	1	90.00
15590	2.7	1.6 – 1.8	1.8	1	90.00
15591	3.7	2.0 – 2.7	2.4	1	90.00

THOMAFLUID® Three-Way Luer-Luer and Luer Tube Connecting Cocks System: NODVOL®-PPS-6010

Product specification:

- Precision three-way cocks in miniaturized construction, optionally combination of female Luer connections and hose nozzles for flexible plastic tubing of different standard sizes; individually lobed seal faces, permanently chromium-plated; handy, 180° rotatable cock plug with end stop.

Cat. No.	Connection type	Connection size mm	Unit piece	Price Euro
15602	female Luer // male Luer-Lock // nozzle, right	3.2 – 4.8	1	103.00
15603	female Luer // male Luer-Lock // female Luer, right	3.2 – 4.8	1	89.00
15604	hose nozzles at all sides, 120° angle	3.2 – 4.8	1	112.00
15605	hose nozzles at all sides, T-arrangement	3.2 – 4.8	1	85.00
15606	male Luer-Lock // male Luer-Lock // female Luer, right		1	149.00
15607	male Luer // female Luer // female Luer, left		1	106.00
15608	male Luer-Lock // male Luer-Lock // female Luer, left		1	199.00

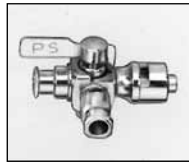


15 587



15 587

15609	female Luer // male Luer-Lock // female Luer, left		1	166.00
15610	female Luer // female Luer // female Luer, left		1	192.00
15611	female Luer // male Luer // female Luer, left		1	82.00
15612	female Luer at all sides, T-arrangement		1	137.00
15613	female Luer // male Luer // nozzle, right	3.2 – 4.8	1	101.00
15614	female Luer // male Luer // nozzle, right	1.6 – 2.4	1	101.00
15615	female Luer // male Luer, closed // nozzle, right	1.6 – 2.4	1	101.00
15616	male Luer-Lock // female Luer // nozzle, right	3.2 – 4.8	1	133.00
15617	male Luer-Lock // female Luer // nozzle, right	1.6 – 2.4	1	133.00
15618	female Luer // nozzle // nozzle, right	1.6 – 2.4	1	101.00
15619	female Luer // nozzle // nozzle, right	1.6 – 2.4; 3.2 – 4.8	1	101.00



15 602



15 602

THOMAFLUID® Three-Way Luer Tube Connecting Cocks System: NODVOL®-PPS-6061

Product specification:

- Precision three-way cocks in miniaturized construction, on one side female Luer connection. Outlets optionally of male or female Luer type and/or hose nozzle; individually lobed seal faces, permanently chromium-plated; handy, 180° rotatable cock plug with end stop, additionally plug clip for fixation of the cock plug in the working positions.

THOMAFLUID® Three-Way Luer Tube Connecting Cocks

System: NODVOL®-PPS-6061

Cat. No.	Connection type	Connection size mm	Unit piece	Price Euro
15659	female Luer // male Luer // female Luer, right		1	125.00
15660	female Luer // male Luer // nozzle, right	3.2 – 4.8	1	125.00
15661	female Luer // male Luer-Lock // nozzle, right	3.2 – 4.8	1	125.00
15662	female Luer // male Luer-Lock // female Luer, right		1	125.00



15 659



15 659

15663	female Luer // male Luer // female Luer, left		1	125.00
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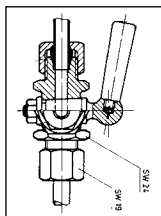
NODVOL® Three-Way Cock Made of High Quality Steel

Product specification:

- Robust cock housing, cock plug with large outside diameter ensuring ample overlap and reliable sealing. Bite-type fitting joints (8 mm) on both sides.
- Suitable for gases, liquids, and vapours up to PN 10.
- Working temperature for high-quality steel (1.4571): -5 °C to +130 °C.



10 748



10 748

Cat. No.	For pipes outside Ø mm	Bore mm	WAF1 mm	WAF2 mm	Unit piece	Price Euro
10748	8	6	24	19	1	254.00

Ball Cocks

Plastics

THOMAFLUID® High-Resistance Ball Cocks

Series: MULTIFIT®-MA-EMP

General product specification:

- THOMAFLUID® ball cocks with rotary handle are available in numerous variations.
- Two types are available: the block construction MA-A6/ EMP on the one hand, and the compact cocks MA-L6/EMP on the other hand.
- The type MA-L6/EMP is produced cost-effectively by injection moulding, providing a remarkable manageability and compactness of the cock body.
- The block construction MA-A6/EMP is produced in the metal-cutting manufacturing process. The cocks are excellently suitable for direct wall mounting due to their rectangular construction. The product range varies from two-way cocks with through bore to five-way cocks with ball angled bore.

Therefore, the desired solutions can be found for specific applications:

- Two-way ball cock (ball with through bore)
- Three-way ball cock (ball with L-bore/vertical design)
- Three-way ball cock (ball with L-bore/horizontal design)
- Three-way ball cock (ball with T-bore/horizontal design)
- Four-way ball cock (ball with double L-bore)
- Five-way ball cock (ball with angled bore, vertical)
- The ball cocks are designed for max. 10 bar (at +20 °C). As shown in the diagram below, the pressure utilization factor should be taken into account. The diagram represents the max. operating pressure according to the respective temperature.
- Safe and reliable isolation, mixture as well as distribution of gases and liquids
- High flow rates even at heavily contaminated media
- Ball and stem are manufactured in one piece
- Sealing sleeves made of PTFE (polytetrafluoroethylene) with highest resistance to chemically aggressive media
- Securing of the sealing sleeves by O-rings made of FPM (fluorinated rubber)
- Sealing of the ball upward by stem sealing using an O-ring
- Numerous connection possibilities due to compatibility with THOMAFLUID® and MULTIFIT® tubing connectors, pipe connectors and fittings
- Easily revolving manual rotary handle with position indicator
- Fastening possibilities due to fixing clamps and angle brackets
- Seamless cylindrical G1/2" and G1/4" internal thread according to DIN ISO 228

General technical specification:

- PP (Polypropylene)
- High surface hardness
- Resistant to hydrolysis
- Autoclavable
- Thermoforming possible
- Physiologically safe
- Very good dielectrical properties
- Extremely good impact toughness and notch impact strength
- Higher hardness and stiffness as well as better resilience than PE

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COCKS AND VALVES

Good resistance to alcohols, ketones, conc. acids and alkalis
Not stable to aromatic hydrocarbons, fats and oils, halogenes
Colour: gray
Density: 0.92 g/cm³
Temperature range: +5 to +90 °C
Shore hardness D: 72°
Water absorption: < 0.05 % (lowest water absorption)
Tensile strength: 25 - 40 N/mm²
Elongation at break: 800 %
Surface resistance: > 10¹³ Ohm

• PVDF (Polyvinylidene fluoride)
High-quality technical plastic for chemical apparatus and machine building, especially in the petrochemical, metallurgical, pharmaceutical, food processing, paper and textile industry as well as in the nuclear technology.
High impact toughness even at low temperatures
Highest mechanical stability and stiffness
Good breakdown strength
Low dielectric loss factor
Physiologically safe
Meeting highest purity requirements
Outstanding resistance to UV, weather and aging
Flame-resistant
High thermal stability
Resistant to alcohols, fats and oils, halogenes, alkalis, acids
Not stable to aromatic hydrocarbons, ketones, amines, pyridine, dimethylformamide, hot alkalis, fuming sulfuric acid
Colour: nature, slightly translucent
Density: 1.75 g/cm³
Temperature range: -40 to +140 °C
Shore hardness D: 79° (great hardness)
Water absorption: < 0.04 % (water resistant)
Tensile strength: 38 - 50 N/mm²
Elongation at break: 12 %
Surface resistance: > 10¹³ Ohm

• PTFE (Polytetrafluoroethylene)
Heavy-duty plastic
Antiadhesive surface
Highest gas-tightness
Non-combustible
Outstanding sliding properties
High tracking resistance
Excellent stress cracking resistance
Excellent weather resistance
Very good dielectrical properties independent of frequency and temperature
Very good electrical insulating capacity also at air humidity
Very good chemical resistance to most aggressive media
Colour: milky, white
Density: 2.20 g/cm³
Temperature range: -200 to +150 °C
Shore hardness D: 60°
Water absorption: 0.0001 %
Tearing strength: 30 - 40 N/mm²
Elongation at break: 300 %
Surface resistance: > 10¹⁷ Ohm

• PFA (Perfluoroalkoxy)
High-quality technical plastic for chemical apparatus and machine construction as well as electrical engineering
Very good pressure resistance
Very high resistance to media
Excellent resistance to weather
Flame-resistant
Colour: milky, translucent
Density: 2.10 g/cm³
Temperature range: -200 to +200 °C (highest dimensional stability in heat)
Shore hardness D: 60° to 65°
Water absorption: < 0.03 %
Tensile strength: 27 to 32 N/mm²
Elongation at break: 300 %
Surface resistance: > 10¹⁷ Ohm

• FPM (Fluorinated rubber)
FPM (fluorinated rubber) is a polymer of highest quality made of fluorinated hydrocarbons (fluorine content 64 % to 70 %) and belongs to the group of elastomers
FPM has the best resistance to swelling in mineral oils compared to all elastomers
Highest sealing force in continuous operation (after 100 h at +150 °C in air still 90 % of the initial sealing force)
Lowest evaporation rates at high vacuum
Low permeability to gas
Outstanding radiation resistance
Excellent chemical and physical properties, almost identical to those of PTFE (polytetrafluoroethylene). The essential difference compared to PTFE is the lower cold flow, lower diffusion and better transparency.
High chemical resistance to many chemicals, ozone, heat and weather.
Unstable to polar solvents such as ketones and esters (considerable swelling), organic acids (acetic acid or formic acid), strong bases such as amines (chemical attack).
Not suitable for applications at temperatures below -20 °C as well as in hot steam.
Colour: black
Density: 1.10 g/cm³
Temperature range: -30 to +222 °C, for a short time +300 °C
Water absorption: no data
Tensile strength: 13 N/mm²
Elongation at break: 450 %
Shore hardness A: 75°
Surface resistance: no data

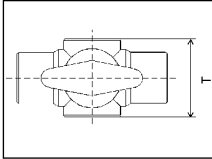
THOMAFLUID® High-Quality Ball Cocks, Injection-Molded
Series: MULTIFIT®-MA-L6/EMP

Product specification:

- Light type, produced by the injection-moulding process.
- Ball with stem is both centered and sealed by sealing sleeves, thus ensuring optimal sealing of the ball to the connections and preventing an undesired leakage of the medium.
- Highest media resistance is guaranteed by housing alternatively made of PP (polypropylene), PVDF (polyvinylidene fluoride) or PFA (perfluoroalkoxy) as well as by sealing sleeves made of PTFE (polytetrafluoroethylene).



42 996



42 996

Technical specification:

- **Material:**
Housing: alternatively PP (polypropylene), PVDF (polyvinylidene fluoride) or PFA (perfluoroalkoxy)
Sealing sleeves: PTFE (polytetrafluoroethylene)
O-ring: FPM (fluorinated rubber)

Cat. No.	L mm	L1 mm	H mm	D mm	T mm
42996	65	15	27	20	30
43000	100	22	39	30	45
304000	65	15	27	20	30

THOMAFLUID® High-Quality Ball Cocks,
Injection-Molded
Series: MULTIFIT®-MA-L6/EMP

Cat. No.	L mm	L1 mm	H mm	D mm	T mm
304001	100	22	39	30	45
304002	65	15	27	20	30
304003	100	22	39	30	45
304004	65	15	27	20	30
43010	65	15	27	20	
43014	100	22	39	30	
43024	65	15	27	20	
43028	100	22	39	30	
304005	65	15	27	20	30
304006	65	15	27	20	
304007	100	22	39	30	
304008	65	15	27	20	
304009	100	22	39	30	
304010	65	15	27	20	30
304011	65	15	27	20	
304012	100	22	39	30	
304013	65	15	27	20	
304014	100	22	39	30	
304015	65	15	27	20	
304016	100	22	39	30	
43038	65	15	27	20	
304017	100	22	39	30	
304018	65	15	27	20	
304019	100	22	39	30	
304020	65	15	27	20	
304021	65	15	27	20	
304022	65	15	27	20	

Cat. No.	Design	Nominal width mm	Internal thread inch	Material	Max. flow rate m³/h	Unit piece	Price Euro
42996	2-way through bore	4	G 1/4"	PP	0.61	1	75.00
43000	2-way through bore	10	G 1/2"	PP	3.90	1	160.00
304000	2-way through bore	4	G 1/4"	PVDF	0.61	1	110.00
304001	2-way through bore	10	G 1/2"	PVDF	3.90	1	290.00
304002	2-way through bore	4	G 1/4"	PFA	0.61	1	256.00
304003	2-way through bore	10	G 1/2"	PFA	3.90	1	572.00
304004	3-way L-bore vertical	4	G 1/4"	PP	0.58	1	90.00
43010	3-way L-bore horizontal	4	G 1/4"	PP	0.58	1	90.00
43014	3-way L-bore horizontal	10	G 1/2"	PP	3.75	1	226.00
43024	3-way T-bore horizontal	4	G 1/4"	PP	0.61	1	90.00
43028	3-way T-bore horizontal	10	G 1/2"	PP	3.90	1	226.00
304005	3-way L-bore vertical	4	G 1/4"	PVDF	0.58	1	136.00
304006	3-way L-bore horizontal	4	G 1/4"	PVDF	0.58	1	136.00
304007	3-way L-bore horizontal	10	G 1/2"	PVDF	3.75	1	412.00
304008	3-way T-bore horizontal	4	G 1/4"	PVDF	0.61	1	136.00
304009	3-way T-bore horizontal	10	G 1/2"	PVDF	3.90	1	412.00
304010	3-way L-bore vertical	4	G 1/4"	PFA	0.58	1	320.00
304011	3-way L-bore horizontal	4	G 1/4"	PFA	0.58	1	320.00
304012	3-way T-bore horizontal	10	G 1/2"	PFA	3.75	1	730.00
304013	3-way T-bore horizontal	4	G 1/4"	PFA	0.61	1	320.00
304014	3-way T-bore horizontal	10	G 1/2"	PFA	3.90	1	730.00
304015	4-way double L-bore	4	G 1/4"	PP	0.58	1	150.00
304016	4-way double L-bore	6	G 1/2"	PP	3.75	1	296.00
43038	4-way double L-bore	4	G 1/4"	PVDF	0.58	1	180.00
304017	4-way double L-bore	6	G 1/2"	PVDF	3.75	1	428.00
304018	4-way double L-bore	4	G 1/4"	PFA	0.58	1	416.00
304019	4-way double L-bore	6	G 1/2"	PFA	3.75	1	770.00
304020	5-way L-bore vertical	4	G 1/4"	PP	0.58	1	180.00
304021	5-way L-bore vertical	4	G 1/4"	PVDF	0.58	1	210.00
304022	5-way L-bore vertical	4	G 1/4"	PFA	0.58	1	496.00

THOMAFLUID® High-Resistance Ball
Cocks, block construction
Type: MULTIFIT®-MA-A6/EMP

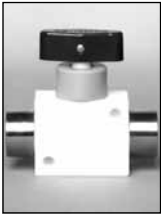
Product specification:

- Robust ball cocks, block construction, made of highly chemical-resistant PTFE (polytetrafluoroethylene).
- Ball is embedded in the casing bed, which has the same shape as the ball.
- Ball and stem are manufactured in one piece, therefore double bearing of the ball in the casing bed on the one hand and in the packing gland on the other hand, thus minimizing the risk of leakage.
- Connections: seamless cylindrical G-internal thread. The threaded sleeves are reinforced by high-quality steel rings.
- Sealing of the ball by PTFE (polytetrafluoroethylene) sealing sleeves, which also serve for adjustment.
Highest media resistance guaranteed by housing and sealing sleeves made of PTFE (polytetrafluoroethylene).

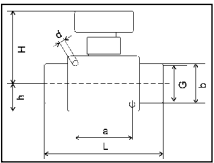
Technical specification:

- **Material:**
 - Housing: PTFE (polytetrafluoroethylene)
 - Sealing sleeves: PTFE (polytetrafluoroethylene)
 - O-ring: FPM (fluorinated rubber)

Cat. No.	L mm	B mm	H mm	h mm	a mm	b mm	d mm
28880	80	25	55	20	36	25	6.6
28882	80	25	55	20	36	25	6.6
28886	120	48	78	30	45	45	6.6
304023	120	48	78	30	45	45	6.6
28888	80	25	55	20	36	25	6.6
28890	80	25	55	20	36	25	6.6
28894	120	48	78	30	45	45	6.6
304024	120	48	78	30	45	45	6.6
304025	80	25	55	20	36	25	6.6
304026	80	25	55	20	36	25	6.6
304027	120	48	78	30	45	45	6.6
304028	120	48	78	30	45	45	6.6
304029	80	25	55	20	36	25	6.6
304030	80	25	55	20	36	25	6.6
304031	120	48	78	30	45	45	6.6
304032	120	48	78	30	45	45	6.6



28 880



28 880

28896	80	25	55	20	36	25	6.6
28898	100	38	63	25	40	35	6.6
28904	80	25	55	20	36	25	6.6
28906	80	25	55	20	36	25	6.6
28910	120	48	78	30	45	45	6.6

Cat. No.	Design	Nominal width mm	Internal thread inch	Unit piece	Price Euro
28880	2-way through bore	4	G 1/4"	1	266.00

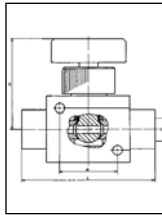
COCKS AND VALVES

THOMAFIUID® High-Resistance Ball Cocks, block construction Type: MULTIFIT®-MA-A6/EMP

Cat. No.	Design	Nominal width mm	Internal thread inch	Unit piece	Price Euro
28882	2-way through bore	6	G 1/4"	1	266.00
28886	2-way through bore	8	G 1/2"	1	666.00
304023	2-way through bore	10	G 1/2"	1	666.00
28888	3-way L-bore vertical	4	G 1/4"	1	316.00
28890	3-way L-bore vertical	6	G 1/4"	1	316.00
28894	3-way L-bore vertical	8	G 1/2"	1	856.00
304024	3-way L-bore vertical	10	G 1/2"	1	856.00
304025	3-way L-bore horizontal	4	G 1/4"	1	316.00
304026	3-way L-bore horizontal	6	G 1/4"	1	316.00



28 888



28 888

304027	3-way L-bore horizontal	8	G 1/2"	1	856.00
304028	3-way L-bore horizontal	10	G 1/2"	1	856.00
304029	3-way T-bore horizontal	4	G 1/4"	1	316.00
304030	3-way T-bore horizontal	6	G 1/4"	1	316.00
304031	3-way T-bore horizontal	8	G 1/2"	1	856.00
304032	3-way T-bore horizontal	10	G 1/2"	1	856.00
28896	4-way double L-bore	4	G 1/4"	1	506.00
28898	4-way double L-bore	6	G 1/2"	1	696.00
28904	5-way L-bore vertical	4	G 1/4"	1	506.00
28906	5-way L-bore vertical	6	G 1/4"	1	506.00
28910	5-way L-bore vertical	8	G 1/2"	1	1036.00

THOMAFIUID® Accessories for Ball Cocks Series: MULTIFIT® Fastening Elements MA-B

Cat. No.	Design	Nominal width mm	Internal thread inch	Price Euro
304033	clamp	4	G 1/4"	8.00
304034	clamp	4	G 1/4"	12.00
304035	clamp	10	G 1/2"	10.00
304036	clamp	10	G 1/2"	14.00
304037	clamp	4	G 1/4"	46.00
304038	angle	4	G 1/4"	34.00
304039	angle	8	G 1/2"	39.00

THOMAFIUID® Ball Cocks, with Pneumatic Actuator Series: MULTIFIT®-PN-EMP

General product specification:

- Complete fitting, consisting of ball cock and pneumatic actuator.
- Robust and compact construction.
- Maintenance-free actuator with control piston and coarse thread.
- The lifting of the piston is converted into a rotation of 90° + 3° due to the coarse thread.
- Actuator made of plastics, therefore excellent corrosion resistance as well as high weight savings compared to conventional metal designs.
- High torque performance, high efficiency factor as well as high flow rates even at heavily contaminated media.
- The actuator has a stable plastic housing made of glass fibre reinforced polypropylene (PP) with high surface hardness and best stiffness.

The unit consisting of ball cock and actuator is available in the following designs:

Type A: double acting (the rotation of the ball occurs exclusively with compressed air).

Type B: single acting (SA) with spring return, normally open (NO). The cock position changes from "open" to "closed" by the actuator applying compressed air. The resetting to the starting position is effected by means of elastic force.

Type C: single acting (SA) with spring return, normally closed (NC). The cock position changes from "closed" to "open" by the actuator applying compressed air. The resetting to the starting position is effected by means of elastic force.

- Control of the cock is possible with all neutral, gaseous media.
- The bottom end on the pneumatic actuator serves for connection of the control pipe, the top end serves for air vent.
- All connections are designed as G-internal thread, thus allowing numerous and easy adaption possibilities.
- The system is compatible to THOMAFIUID® / MULTIFIT® tubing connectors EMP or pipe connectors EMP.

General technical specification:

- **Connection:**
 - Cock: seamless cylindrical G-internal thread.
 - Actuator: 2 internal thread G 1/4"
- **Control:** neutral, gaseous media
- **Control pressure:** 3 - 6 bar
- **Control functions:** A - double acting (DA);

THOMAFIUID® Accessories for Ball Cocks Series: MULTIFIT® Fastening Elements MA-B

Product specification:

- Fastening clamps MA-B/KL for the wall mounting of ball cocks MA-L6/EMP. Per cock two clamps (three-way cocks: three clamps), each clamp with four screws for the wall fastening of cock body and clamp. In the case of five-way cocks the installation kit contains additionally a socket and spacer for stabilization of the fifth cock outlet after connection of a tubing or pipe connector. Ball cocks of the type MA-A6/EMP are mounted with fastening angles MA-B/WI made of PVC. Screws, nuts and washers are supplied in one set with the fastening elements and are included in the content of supply.
- Fastening clamps made of weather- and aging-resistant PE (polyethylene), good mechanical stability, hydrophobic. Very good chemical resistance to acids and alkalis, good chemical resistance to oils and petrols. Fastening angles made of rigid PVC featuring very good mechanical strength properties, best dielectrical properties and good chemical resistance, especially to oils and petrols.

B - single acting (SA) with spring return, normally open (NO);
C - single acting (SA) with spring return, normally closed (NC);

- **Rotational angle:** 90° + 3°
- **Switching time:** 1 - 2 seconds / 90°
- **Max. temperature:** +60 °C
- **Material:**
Cock body:

alternatively PTFE (polytetrafluoroethylene); PP (polypropylene); PVDF (polyvinylidene fluoride); PFA (perfluoroalkoxy)

Cock sealing sleeves: PTFE (polytetrafluoroethylene)

Actuator housing: PP (polypropylene), glass fibre reinforced

THOMAFLUID® High-Quality 2-Way Ball Valve, Injection-Molded with Pneumatic Actuator Type: MULTIFIT®-PN-L6/EMP 2

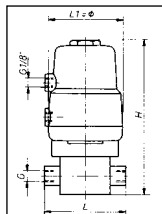
Product specification:

- 2-way valve with through bore
- Complete unit with pneumatic actuator
- Valve body made of injection-molded plastics, identical to ball valve of the type MULTIFIT®-MA-L6/EMP 2

Cat. No.	Nominal width mm	Internal thread inch	L1 mm	H mm	Control function	Material	Unit piece	Price Euro
304957	4	G 1/4"	70	146	A	PP	1	488.00
304958	4	G 1/4"	70	146	B	PP	1	488.00
304959	4	G 1/4"	70	146	C	PP	1	488.00
304960	10	G 1/2"	96	177.5	A	PP	1	668.00
304961	10	G 1/2"	96	177.5	B	PP	1	668.00
304962	10	G 1/2"	96	177.5	C	PP	1	668.00
304963	4	G 1/4"	70	146	A	PVDF	1	532.00
304964	4	G 1/4"	70	146	B	PVDF	1	532.00



30 4957



30 4957

304965	4	G 1/4"	70	146	C	PVDF	1	532.00
304966	10	G 1/2"	96	177.5	A	PVDF	1	812.00
304967	10	G 1/2"	96	177.5	B	PVDF	1	812.00
304968	10	G 1/2"	96	177.5	C	PVDF	1	812.00
304969	4	G 1/4"	70	146	A	PFA	1	654.00
304970	4	G 1/4"	70	146	B	PFA	1	654.00
304971	4	G 1/4"	70	146	C	PFA	1	654.00
304972	10	G 1/2"	96	177.5	A	PFA	1	980.00
304973	10	G 1/2"	96	177.5	B	PFA	1	980.00
304974	10	G 1/2"	96	177.5	C	PFA	1	980.00

THOMAFLUID® High-Quality 3-Way Ball Valve, Injection-Molded with Pneumatic Actuator Type: MULTIFIT®-PN-L6/EMP 3

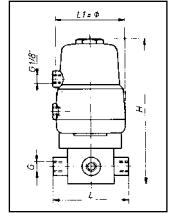
Product specification:

- 3-way valve with L-bore, horizontal
- Complete unit with pneumatic actuator
- Valve body made of injection-molded plastics, identical to ball valve of the type MULTIFIT®-MA-L6/EMP 3

Cat. No.	Nominal width mm	Internal thread inch	L1 mm	H mm	Control function	Material	Unit piece	Price Euro
304975	4	G 1/4"	70	146	A	PP	1	520.00



30 4975



30 4975

304976	4	G 1/4"	70	146	B	PP	1	520.00
304977	4	G 1/4"	70	146	C	PP	1	520.00
304978	10	G 1/2"	96	177.5	A	PP	1	720.00
304979	10	G 1/2"	96	177.5	B	PP	1	720.00
304980	10	G 1/2"	96	177.5	C	PP	1	720.00
304981	4	G 1/4"	70	146	A	PVDF	1	550.00
304982	4	G 1/4"	70	146	B	PVDF	1	550.00
304983	4	G 1/4"	70	146	C	PVDF	1	550.00
304984	10	G 1/2"	96	177.5	A	PVDF	1	924.00
304985	10	G 1/2"	96	177.5	B	PVDF	1	924.00
304986	10	G 1/2"	96	177.5	C	PVDF	1	924.00
304987	4	G 1/4"	70	146	A	PFA	1	714.00
304988	4	G 1/4"	70	146	B	PFA	1	714.00
304989	4	G 1/4"	70	146	C	PFA	1	714.00
304990	10	G 1/2"	96	177.5	A	PFA	1	1192.00
304991	10	G 1/2"	96	177.5	B	PFA	1	1192.00
304992	10	G 1/2"	96	177.5	C	PFA	1	1192.00

THOMAFLUID® High-Quality 4-Way Ball Valve, Injection-Molded with Pneumatic Actuator Type: MULTIFIT®-PN-L6/EMP 4

Product specification:

- 4-way valve with double L-bore
- Complete unit with pneumatic actuator
- Valve body made of injection-molded plastics, identical to ball valve of the type MULTIFIT®-MA-L6/EMP 4

Cat. No.	Nominal width mm	Internal thread inch	L1 mm	H mm	Control function	Material	Unit piece	Price Euro
304993	4	G 1/4"	70	146	A	PP	1	562.00
304994	4	G 1/4"	70	146	B	PP	1	562.00
304995	4	G 1/4"	70	146	C	PP	1	562.00

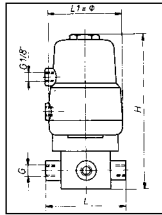
COCKS AND VALVES

THOMAFIUID® High-Quality 4-Way Ball Valve, Injection-Molded with Pneumatic Actuator
Type: MULTIFIT®-PN-L6/EMP 4

Cat. No.	Nominal width mm	Internal thread inch	L1 mm	H mm	Control function	Material	Unit piece	Price Euro
304996	6	G 1/2"	96	177.5	A	PP	1	828.00
304997	6	G 1/2"	96	177.5	B	PP	1	828.00
304998	6	G 1/2"	96	177.5	C	PP	1	828.00
304999	4	G 1/4"	70	146	A	PVDF	1	584.00
305000	4	G 1/4"	70	146	B	PVDF	1	584.00
305001	4	G 1/4"	70	146	C	PVDF	1	584.00
305002	6	G 1/2"	96	177.5	A	PVDF	1	948.00



30 4993 (see page 62)



30 4993 (see page 62)

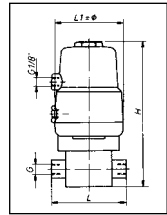
305003	6	G 1/2"	96	177.5	B	PVDF	1	948.00
305004	6	G 1/2"	96	177.5	C	PVDF	1	948.00
305005	4	G 1/4"	70	146	A	PFA	1	802.00
305006	4	G 1/4"	70	146	B	PFA	1	802.00
305007	4	G 1/4"	70	146	C	PFA	1	802.00
305008	6	G 1/2"	96	177.5	A	PFA	1	1232.00
305009	6	G 1/2"	96	177.5	B	PFA	1	1232.00
305010	6	G 1/2"	96	177.5	C	PFA	1	1232.00

THOMAFIUID® High-Resistance 2-Way Ball Valve Made of PTFE, block construction with Pneumatic Actuator
Type: MULTIFIT®-PN-A6/EMP 2

Cat. No.	Nominal width mm	Internal thread inch	L1 mm	H mm	Control function	Material	Unit piece	Price Euro
304940	8	G 1/2"	120	72	185	C	1	1370.00
304941	10	G 1/2"	120	72	185	A	1	1370.00
304942	10	G 1/2"	120	72	185	B	1	1370.00
304943	10	G 1/2"	120	72	185	C	1	1370.00



28 912



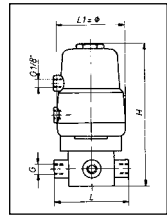
28 912

THOMAFIUID® High-Resistance 3-Way Ball Valve Made of PTFE, block construction with Pneumatic Actuator
Type: MULTIFIT®-PN-A6/EMP 3
Product specification:

- 3-way valve with L-bore, horizontal
- Complete unit with pneumatic actuator
- Valve body identical to ball valve of the type MULTIFIT®-MAA6/EMP 3 (block construction)
- The threaded sleeves are reinforced by stainless steel rings



28 920



28 920

Cat. No.	Nominal width mm	Internal thread inch	L1 mm	H mm	Control function	Material	Unit piece	Price Euro
28920	4	G 1/4"	80	72	155	A	1	788.00
304944	4	G 1/4"	80	72	155	B	1	788.00
304945	4	G 1/4"	80	72	155	C	1	788.00
28922	6	G 1/4"	80	72	155	A	1	788.00
304946	6	G 1/4"	80	72	155	B	1	788.00
304947	6	G 1/4"	80	72	155	C	1	788.00

THOMAFIUID® High-Resistance 2-Way Ball Valve Made of PTFE, block construction with Pneumatic Actuator
Type: MULTIFIT®-PN-A6/EMP 2
Product specification:

- 2-way valve with through bore
- Complete unit with pneumatic actuator
- Valve body identical to ball valve of the type MULTIFIT®-MAA6/EMP 2 (block construction)
- The threaded sleeves are reinforced by stainless steel rings

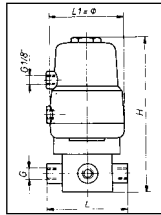
Cat. No.	Nominal width mm	Internal thread inch	L1 mm	H mm	Control function	Material	Unit piece	Price Euro
28912	4	G 1/4"	80	72	155	A	1	724.00
304935	4	G 1/4"	80	72	155	B	1	724.00
304936	4	G 1/4"	80	72	155	C	1	724.00
28914	6	G 1/4"	80	72	155	A	1	724.00
304937	6	G 1/4"	80	72	155	B	1	724.00
304938	6	G 1/4"	80	72	155	C	1	724.00
28918	8	G 1/2"	120	72	185	A	1	1370.00
304939	8	G 1/2"	120	72	185	B	1	1370.00

THOMAFLUID® High-Resistance 3-Way Ball Valve Made of PTFE, block construction with Pneumatic Actuator Type: MULTIFIT®-PN-A6/EMP 3

Cat. No.	Nominal width mm	Internal thread inch	L1 mm	H mm	Control function	Material	Unit piece	Price Euro
28926	8	G 1/2"	120	72	185	A	1	1484.00
304948	8	G 1/2"	120	72	185	B	1	1484.00
304949	8	G 1/2"	120	72	185	C	1	1484.00
304950	10	G 1/2"	120	72	185	A	1	1484.00
304951	10	G 1/2"	120	72	185	B	1	1484.00
304952	10	G 1/2"	120	72	185	C	1	1484.00



28 928



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- Easy connection of the valve to the piping due to use of proven bonding and welding processes. The radial disassembly is also possible after the installation.
- High-quality materials
- Long service life
- Increased endurance strength
- Low, constant torque
- Reliable and low-maintenance

General technical specification:

- **Media:** for neutral and aggressive media
- **Max. operating pressure:** 16 bar (at +20 °C water)
- **Temperature range:** PVC-U: -10 to +60 °C
EPDM: -30 to +140 °C;
FPM: -30 to +140 °C;
PTFE: -30 to +140 °C
- **Construction size:** DN 10 to DN 50
- **Examinations according to DIN:** 3230, 3441, 3442, 16962 and 8063.

THOMAFLUID® Industrial Ball Valve Made of PVC-U Type: THOMAPROP-ST 00798

Product specification:

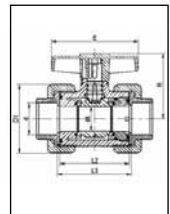
- High impact resistance, but sensitive to impact in the cold
- High mechanical stability
- Good chemical resistance
- Self-extinguishing after removal of ignition source

Technical specification:

- **Material:**
Housing: PVC-U (rigid PVC, polyvinyl chloride)
Ball: PVC-U (rigid PVC, polyvinyl chloride)
Ball stud: PVC-U (rigid PVC, polyvinyl chloride)
Screw-in component: PVC-U (rigid PVC, polyvinyl chloride)
Cap nut: PVC-U (rigid PVC, polyvinyl chloride)
Insert: PVC-U (rigid PVC, polyvinyl chloride)
Ball seal: PTFE (polytetrafluoroethylene)
- **Sealing elements:** EPDM (ethylene-propylene-diene rubber);



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FPM (fluorinated rubber)

- **Hand lever:** PVC-U (rigid PVC, polyvinyl chloride)
- **Connection:** cementing socket, GRP flange or PE spigot

THOMAFLUID® High-Resistance 4-Way Ball Valve Made of PTFE, block construction with Pneumatic Actuator Type: MULTIFIT®-PN-A6/EMP 4

Product specification:

- 4-way valve with double L-bore, horizontal
- Complete unit with pneumatic actuator
- Valve body identical to ball valve of the type MULTIFIT®-MAA6/EMP 4 (block construction)
- The threaded sleeves are reinforced by stainless steel rings

Cat. No.	Nominal width mm	Internal thread inch	L mm	L1 mm	H mm	Control function	Unit piece	Price Euro
28928	4	G 1/4"	80	72	155	A	1	1144.00
304953	4	G 1/4"	80	72	155	B	1	1144.00
304954	4	G 1/4"	80	72	155	C	1	1144.00
28930	6	G 1/2"	80	72	155	A	1	1928.00
304955	6	G 1/2"	80	72	155	B	1	1928.00
304956	6	G 1/2"	80	72	155	C	1	1928.00

THOMAFLUID® Industrial Ball Valves

General product specification:

- Dismountable ball valve made of high-quality materials for applications with higher material requirements. All components meet the requirements of DIN 3441/3442 and the German Institution for Technical Approvals in Construction Industry (DIBT - Deutsches Institut für Bautechnik).
- The ball valve can be manually operated by a hand lever, which also serves as distinctive position indicator. All commercial electrical or pneumatic actuators according to DIN ISO 5211 can be used as well.

Cat. No.	Connec- tion size mm	Nominal width mm	Max. operating of pressure ¹ bar	Material gaskets	Connection type	Unit piece	Price Euro
350322	16	10	16	EPDM	cementing socket	1	58.00

COCKS AND VALVES

THOMAFIUID® Industrial Ball Valve Made of PVC-U

Type: THOMAPROP-ST 00798

Cat. No.	Connec- tion size mm	Nominal width mm	Max. operating pressure ¹ bar	Material of gaskets	Connection type	Unit piece	Price Euro
350323	20	15	16	EPDM	cementing socket	1	60.00
350324	25	20	16	EPDM	cementing socket	1	68.00
350325	32	25	16	EPDM	cementing socket	1	76.00
350326	40	32	16	EPDM	cementing socket	1	94.00
350327	50	40	16	EPDM	cementing socket	1	120.00
350328	63	50	16	EPDM	cementing socket	1	138.00
350329	16	10	16	EPDM	GRP flange	1	94.00
350330	20	15	16	EPDM	GRP flange	1	98.00
350331	25	20	16	EPDM	GRP flange	1	110.00
350332	32	25	16	EPDM	GRP flange	1	128.00
350333	40	32	16	EPDM	GRP flange	1	142.00
350334	50	40	16	EPDM	GRP flange	1	174.00
350335	63	50	16	EPDM	GRP flange	1	216.00
350336	16	10	10	EPDM	PE spigot	1	74.00
350337	20	15	10	EPDM	PE spigot	1	78.00
350338	25	20	10	EPDM	PE spigot	1	78.00
350339	32	25	10	EPDM	PE spigot	1	96.00
350340	40	32	10	EPDM	PE spigot	1	120.00
350341	50	40	10	EPDM	PE spigot	1	142.00
350342	63	50	10	EPDM	PE spigot	1	172.00
350343	16	10	16	FPM	cementing socket	1	72.00
350344	20	15	16	FPM	cementing socket	1	76.00
350345	25	20	16	FPM	cementing socket	1	80.00
350346	32	25	16	FPM	cementing socket	1	96.00
350347	40	32	16	FPM	cementing socket	1	118.00
350348	50	40	16	FPM	cementing socket	1	136.00
350349	63	50	16	FPM	cementing socket	1	178.00
350350	16	10	16	FPM	GRP flange	1	108.00
350351	20	15	16	FPM	GRP flange	1	110.00
350352	25	20	16	FPM	GRP flange	1	122.00
350353	32	25	16	FPM	GRP flange	1	138.00
350354	40	32	16	FPM	GRP flange	1	166.00
350355	50	40	16	FPM	GRP flange	1	198.00
350356	63	50	16	FPM	GRP flange	1	260.00
350357	16	10	10	FPM	PE spigot	1	68.00
350358	20	15	10	FPM	PE spigot	1	72.00
350359	25	20	10	FPM	PE spigot	1	82.00
350360	32	25	10	FPM	PE spigot	1	96.00
350361	40	32	10	FPM	PE spigot	1	120.00
350362	50	40	10	FPM	PE spigot	1	142.00
350363	63	50	10	FPM	PE spigot	1	172.00

¹ at +20 °C

THOMAFIUID® Industrial Ball Valve Made of PP

Type: THOMAPROP-ST 01098

Product specification:

- High impact resistance, except at temperatures below +10 °C
- Good mechanical stability
- Good chemical resistance
- Good temperature resistance, but embrittling at low temperatures

Technical specification:

- **Material:**
Housing: PP (polypropylene)
Ball: PP (polypropylene)

Ball stud: PP (polypropylene)
Screw-in component: PP (polypropylene)
Cap nut: PP (polypropylene)
Insert: PP (polypropylene)
Ball seal: PTFE (polytetrafluoroethylene)
Sealing elements: EPDM (ethylene-propylene-diene rubber),
FPM (fluorinated rubber)
PP (polypropylene)

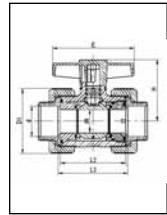
Hand lever:

- **Connection:** welded socket, GRP flange or PE spigot

Cat. No.	Connec- tion size mm	Nominal width mm	Max. operating pressure ¹ bar	Material of gaskets	Connection type	Unit piece	Price Euro
350364	16	10	10	EPDM	welded socket	1	68.00
350365	20	15	10	EPDM	welded socket	1	72.00



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350366	25	20	10	EPDM	welded socket	1	82.00
350367	32	25	10	EPDM	welded socket	1	98.00
350368	40	32	10	EPDM	welded socket	1	118.00
350369	50	40	10	EPDM	welded socket	1	142.00
350370	63	50	10	EPDM	welded socket	1	178.00
350371	16	10	10	EPDM	GRP flange	1	122.00
350372	20	15	10	EPDM	GRP flange	1	128.00
350373	25	20	10	EPDM	GRP flange	1	138.00
350374	32	25	10	EPDM	GRP flange	1	148.00
350375	40	32	10	EPDM	GRP flange	1	184.00
350376	50	40	10	EPDM	GRP flange	1	218.00
350377	63	50	10	EPDM	GRP flange	1	286.00
350378	20	15	10	EPDM	PP spigot	1	82.00
350379	25	20	10	EPDM	PP spigot	1	96.00
350380	32	25	10	EPDM	PP spigot	1	114.00
350381	40	32	10	EPDM	PP spigot	1	128.00
350382	50	40	10	EPDM	PP spigot	1	164.00
350383	63	50	10	EPDM	PP spigot	1	206.00
350384	20	15	10	EPDM	PE spigot	1	82.00
350385	25	20	10	EPDM	PE spigot	1	96.00
350386	32	25	10	EPDM	PE spigot	1	114.00
350387	40	32	10	EPDM	PE spigot	1	128.00
350388	50	40	10	EPDM	PE spigot	1	164.00
350389	63	50	10	EPDM	PE spigot	1	206.00
350390	16	10	10	FPM	welded socket	1	80.00
350391	20	15	10	FPM	welded socket	1	82.00
350392	25	20	10	FPM	welded socket	1	86.00
350393	32	25	10	FPM	welded socket	1	122.00
350394	40	32	10	FPM	welded socket	1	132.00
350395	50	40	10	FPM	welded socket	1	166.00
350396	63	50	10	FPM	welded socket	1	224.00
350397	16	10	10	FPM	GRP flange	1	124.00
350398	20	15	10	FPM	GRP flange	1	128.00
350399	25	20	10	FPM	GRP flange	1	142.00
350400	32	25	10	FPM	GRP flange	1	170.00
350401	40	32	10	FPM	GRP flange	1	214.00
350402	50	40	10	FPM	GRP flange	1	252.00
350403	63	50	10	FPM	GRP flange	1	332.00
350404	20	15	10	FPM	PP spigot	1	102.00
350405	25	20	10	FPM	PP spigot	1	112.00

THOMAFLUID® Industrial Ball Valve Made of PP

Type: THOMAPROP-ST 01098

Cat. No.	Connection size mm	Nominal width mm	Max. operating pressure ¹ bar	Material of gaskets	Connection type	Unit piece	Price Euro
350406	32	25	10	FPM	PP spigot	1	124.00
350407	40	32	10	FPM	PP spigot	1	154.00
350408	50	40	10	FPM	PP spigot	1	192.00
350409	63	50	10	FPM	PP spigot	1	258.00
350410	20	15	10	FPM	PE spigot	1	102.00
350411	25	20	10	FPM	PE spigot	1	112.00
350412	32	25	10	FPM	PE spigot	1	124.00
350413	40	32	10	FPM	PE spigot	1	154.00
350414	50	40	10	FPM	PE spigot	1	192.00
350415	63	50	10	FPM	PE spigot	1	258.00

¹ at +20 °C

THOMAFLUID® Industrial Ball Valve Made of PVDF

Type: THOMAPROP-ST 01398

Product specification:

- Resistant to UV and weather, also usable in the outside **area**
- Corrosion-resistant
- High impact resistance, even in cold
- High mechanical stability
- Very good chemical resistance
- Good temperature resistance

Technical specification:

- Material:**
 - Housing: PVDF (polyvinylidene fluoride)
 - Ball: PVDF (polyvinylidene fluoride)
 - Ball stud: PVDF (polyvinylidene fluoride)
 - Screw-in component: PVDF (polyvinylidene fluoride)
 - Cap nut: PVDF (polyvinylidene fluoride)
 - Insert: PVDF (polyvinylidene fluoride)
 - Ball seal: PTFE (polytetrafluoroethylene)
 - Sealing elements: EPDM (ethylene-propylene-diene rubber); FPM (fluorinated rubber) PVDF (polyvinylidene fluoride)
- Hand lever:** PVDF (polyvinylidene fluoride)
- Connection:** welded socket or PP/ steel flange

Cat. No.	Connection size mm	Nominal width mm	Max. operating pressure ¹ bar	Material of gaskets	Connection type	Unit piece	Price Euro
350430	16	10	16	FPM	welded socket	1	124.00
350431	20	15	16	FPM	welded socket	1	130.00
350432	25	20	16	FPM	welded socket	1	162.00
350433	32	25	16	FPM	welded socket	1	208.00
350434	40	32	16	FPM	welded socket	1	270.00
350435	50	40	16	FPM	welded socket	1	356.00
350436	63	50	16	FPM	welded socket	1	498.00
350438	20	15	16	FPM	PVDF/steel flange	1	256.00
350439	25	20	16	FPM	PVDF/steel flange	1	310.00
350440	32	25	16	FPM	PVDF/steel flange	1	380.00
350441	40	32	16	FPM	PVDF/steel flange	1	548.00
350442	50	40	16	FPM	PVDF/steel flange	1	720.00
350443	63	50	16	FPM	PVDF/steel flange	1	988.00

¹ at +20 °C

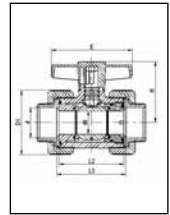
THOMAFLUID® Industrial Compact Ball Valves

General product specification:

- One-piece, compact welded ball valve made of high-quality materials for applications with higher material requirements. The ball seals made of EPDM are flush safe due to modern compact welding.
- The ball valve can be manually operated by a hand lever, which also serves as distinctive position indicator. All commercial electrical or pneumatic actuators according to DIN ISO 5211 can be used as well.
- Flexible connection by connecting thread according to DIN 8063. Easy connection of the valve to the piping due to use of proven bonding and welding processes. Radial disassembly even after installation.
- High-quality materials



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- Long service life
- Highest endurance strength
- Low, constant torque
- Reliable and low-maintenance

General technical specification:

- Media:** for neutral and aggressive media
- Max. operating pressure:** 10 bar (at +20 °C water)
- Temperature range:** PP: 0 to +110 °C; EPDM: -30 to +140 °C; PE: -40 to +60 °C (for a short time +100 °C)
- Construction size:** DN 20 to DN 50

THOMAFLUID® Industrial Compact Ball Valve Made of PP

Type: THOMAPROP-ST 00101

Product specification:

- High impact resistance, except at temperatures below +10 °C
- Good mechanical stability
- Good chemical resistance
- Good temperature resistance, but embrittling at low temperatures

Technical specification:

- Material:**
 - Housing: PP (polypropylene)
 - Ball: PP (polypropylene)
 - Ball stud: PP (polypropylene)
 - Cap nut: PP (polypropylene)
 - Insert: PP (polypropylene)
 - Ball seat: PE (polyethylene)

COCKS AND VALVES

Ball seal: EPDM (ethylene-propylene-diene rubber)
 Hand lever: PP (polypropylene)

- **Connection:** PE welded socket

Cat. No.	Connec- tion size mm	Nominal width mm	Max. operating pressure ¹ bar	Material of gaskets	Connection type	Unit piece	Price Euro
350313	20	15	10	EPDM	welded socket	1	35.00
350314	25	20	10	EPDM	welded socket	1	38.00
350315	32	25	10	EPDM	welded socket	1	52.00
350316	40	32	10	EPDM	welded socket	1	64.00
350317	50	40	10	EPDM	welded socket	1	74.00
350318	63	50	10	EPDM	welded socket	1	96.00

¹ at +20 °C



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THOMAFIUID® Industrial Ball Valves Made of PP Type: VB 17495

Product specification:

- Design with red rotary handle and cylindrical G-internal thread at both sides according to UNI ISO 228

Technical specification:

- **Material:** made of glass fibre reinforced PP (polypropylene)
- **Colour:** light-gray
- **Gasket:** FPM (fluorinated rubber) and PTFE (polytetrafluoroethylene)
- **Max. operating pressure:** 10 bar at +20 °C
- **Temperature range:** -20 to +100 °C



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- **Sterilization:** autoclavable at +121 °C

Cat. No.	Nominal width mm	Internal thread inch	A mm	H mm	H1 mm	WAF mm	Price Euro
14288	15	G 1/2"	75	93	78	30	85.00
14289	20	G 3/4"	83	109	87	38	95.00
14290	25	G 1"	93	133	96	41	118.00

THOMAFIUID® Industrial Compact Ball Valve Made of PVC-U Type: THOMAPROP-ST 00101

Product specification:

- High impact resistance, but sensitive to impact in the cold
- High mechanical stability
- Good chemical resistance
- Self-extinguishing after removal of ignition source

Technical specification:

- **Material:**
 - Housing: PVC-U (rigid PVC, polyvinyl chloride)
 - Ball: PVC-U (rigid PVC, polyvinyl chloride)
 - Ball stud: PVC-U (rigid PVC, polyvinyl chloride)
 - Cap nut: PVC-U (rigid PVC, polyvinyl chloride)
 - Insert: PVC-U (rigid PVC, polyvinyl chloride)
 - Ball seat: PE (polyethylene)
 - Ball seal: EPDM (ethylene-propylene-diene rubber)
 - Hand lever: PVC-U (rigid PVC, polyvinyl chloride)
- **Connection:** cementing socket

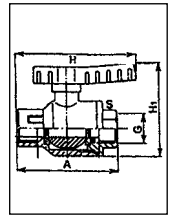
Cat. No.	Connec- tion size mm	Nominal width mm	Max. operating pressure ¹ bar	Material of gaskets	Connection type	Unit piece	Price Euro
350307	20	15	16	EPDM	cementing socket	1	30.00
350308	25	20	16	EPDM	cementing socket	1	35.00
350309	32	25	16	EPDM	cementing socket	1	44.00
350310	40	32	16	EPDM	cementing socket	1	52.00
350311	50	40	16	EPDM	cementing socket	1	62.00
350312	63	50	16	EPDM	cementing socket	1	78.00

¹ at +20 °C

THOMAFIUID® Industrial Ball Valve Made of PP Type: SMI-44-92



14 288



14 288

Product specification:

- Universal valve, absolutely tight, leak-tight and easy to handle

Technical specification:

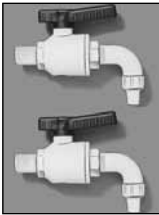
- **Material:**
 - Ball body: PP (polypropylene)
 - Ball seal: PTFE (polytetrafluoroethylene)
- **outside Ø of discharge nozzle:** 12 mm
- **Connection:** R 1/2"

THOMAFLUID® Industrial Ball Valve Made of PP
Type: SMI-44-92

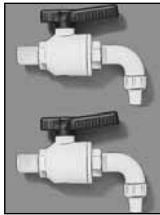
Cat. No.	External thread inch	Ø outlet mm	Unit piece	Price Euro
11583	R 1/2"	12	1	89.00

THOMAFLUID® Laboratory Ball Valve Made of PP
Type: VB 30

Product specification:



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- Ball valve fitted with drip preventing device
- With 3/4" internal thread on both sides
- With swiveling discharge nozzle (outside Ø 12 mm)

Cat. No.	Internal thread inch	Type	Unit piece	Price Euro
10746	R 3/4"	ball cock	1	100.00
10747	R 3/4"	ball cock	2	179.00

- **Max. working pressure:** 15 bar
- **Stop:** 90°
- **Flow direction:** arbitrary
- **Temperature range:** -20 °C to +100 °C
- **Weight:** < 140 g

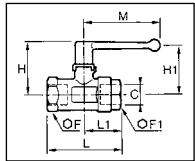
THOMAFLUID® Straight-Way Ball Cock Made of Brass
System: NODVOL®-ELGEES 402 Standard

Product specification:

- Sleeve connections on both sides, cylinder Withworth-thread, cock plug made of polished brass, housing made of brass - sand-blasted and nickel-plated, packing gland rings and shims made of NBR, ball seats made of graphite-filled PA.



46 305



46 305

Cat. No.	Internal thread inch	Bore mm	M mm	H mm	L mm	H1 mm	F1 mm	F mm	Unit piece	Price Euro
46305	G 1/8"	4	48	35	45	29	14		1	23.00
46306	G 1/8"	7	48	38	51	31	19	19	1	26.00
46307	G 1/4"	7	48	38	51	31	19	19	1	23.00
46308	G 3/8"	10	69	45	59	43	24	24	1	27.00
46309	G 1/2"	13	69	47	66	44	27	27	1	31.00
46310	G 3/4"	20	108	63	78	54	38	32	1	51.00
46312	G 1"	23	108	67	88	57	46	41	1	73.00
46314	G 1 1/4"	32	180	97	112	115	60	55	1	157.00
46315	G 1 1/2"	32	180	97	112	115	60	55	1	184.00
46316	G 1 1/2"	40	190	117	111		55	55	1	281.00
46317	G 2"	40	190	117	111		70	70	1	291.00

Metals

THOMAFLUID® Universal Straight-Way Ball Cock Made of Brass
System: NODVOL®-ELGEES 4990

Application areas:

- Shut-offs in temperature-loaded pressure line systems for neutral media.

General product specification:

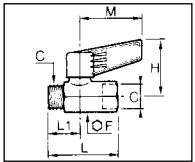
- Compactly constructed, easily operable ball cock system with low weight and small dimensions.

General technical specification:

- **Material:**
 - Cock plug: brass, polished
 - Housing: brass, compression moulded and nickel-plated
 - Ball seal: PTFE
 - Stem seal: FKM
 - Control handle: polyamide, black



46 450



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THOMAFLUID® Universal Straight-Way Ball Cock Made of Brass
System: NODVOL®-ELGEES 4991 LG

Product specification:

- Spigot on one side, sleeve on the other side, R-cylinder pipe thread; control knob

Cat. No.	Internal thread inch	External thread inch	Bore mm	M mm	H mm	L mm	Unit piece	Price Euro
46450	R 1/4"	R 1/4"	8	20	28.5	41	1	15.00

THOMAFIUID® Universal Straight-Way Ball Cock Made of Brass

System: NODVOL®-ELGEES 4991 LG

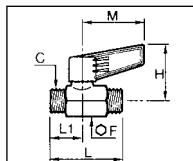
Cat. No.	Internal thread inch	External thread inch	Bore mm	M mm	H mm	L mm	Unit piece	Price Euro
46451	R 3/8"	R 3/8"	8	20	28.5	41	1	15.00
46452	R 1/2"	R 1/2"	10	20	32.5	48	1	15.00

THOMAFIUID® Universal Straight-Way Ball Cock Made of Brass

System: NODVOL®-ELGEES 0490 ZZ



46 444



46 444

Product specification:

- Spigot on both sides, R-cylinder pipe thread; control knob

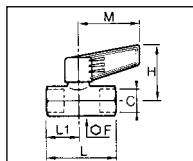
Cat. No.	External thread inch	Bore mm	M mm	H mm	L mm	Unit piece	Price Euro
46444	R 3/8"	7	43	38	44	1	29.00
46445	R 1/2"	10	50	44	53	1	35.00
46446	R 3/4"	13	50	46	59	1	46.00

THOMAFIUID® Universal Straight-Way Ball Cock Made of Brass

System: NODVOL®-ELGEES 4992 FG



46 447



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Product specification:

- Sleeves on both sides, R-cylinder pipe thread; control knob

Cat. No.	Internal thread inch	Bore mm	M mm	H mm	L mm	Unit piece	Price Euro
46447	R 1/4"	8	40	30.5	20	1	15.00
46448	R 3/8"	8	40	30.5	20	1	15.00
46449	R 1/2"	10	48	32.5	20	1	15.00

Shopping per mouse click
www.rct-online.de

THOMAFIUID® Heavy-Duty Ball Cock Made of Brass

System: NODVOL®-ELGEES 4990

Application areas:

- Shut-off cock for pressure- and temperature-loaded conveying lines in technical pilot plants and industrial plants for conveyance of compressed air, mineral oils, petrols, steam, natural gas etc.

General product specification:

- Universally usable and maintenance-free straight-way ball cock, DVGW-approved, sleeves on both sides, R-connecting thread according to DIN 259/DIN 2999.

General technical specification:

- Material:**
 Cock plug: brass, hard-chrome plated
 Housing: brass, compression moulded, sand-blasted, and nickel-plated
 Control shaft: brass, nickel-plated
 Seals and ball seats: PTFE/FPM
 Control handle: steel, zinc-plated and plasticized
- Temperature range:** -20 to +180 °C
- Stop:** 90°
- Max. operating pressure:**
 for standard version: 30 bar nominal size thread <1";
 25 bar nominal size thread >1"
 for special version: 65 bar nominal size thread < 1/2";
 40 bar nominal size thread 3/4" and 1";
 25 bar nominal size thread >1"

THOMAFIUID® Heavy-Duty Ball Cock Made of Brass

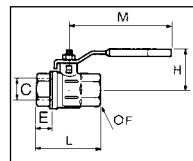
System: NODVOL®-ELGEES 4922

Product specification:

- Straight-way cock, sleeves on both sides, R-cylinder pipe thread, increased pressure resistance



46 436



46 436

Cat. No.	Internal thread inch	Bore mm	M mm	H mm	L mm	Unit piece	Price Euro
46436	R 1/4"	8	51	40	100	1	19.00
46437	R 3/8"	10	51	40	100	1	20.00
46438	R 1/2"	15	61	42	100	1	25.00
46439	R 3/4"	20	74	55	120	1	31.00
46440	R 1"	25	91	55	120	1	45.00
46441	R 1 1/4"	32	104	69	160	1	62.00
46442	R 1 1/2"	40	117	80	160	1	84.00
46443	R 2"	50	135	88	160	1	123.00

**THOMAFLUID® Heavy-Duty Ball Cock
Made of Brass
System: NODVOL®-ELGEES 4932**

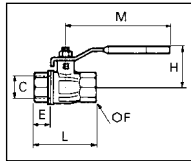
Product specification:

Straight-way cock, sleeves on both sides, R-cylinder pipe thread

Cat. No.	Internal thread inch	Bore mm	M mm	H mm	L mm	Unit piece	Price Euro
46428	R 1/4"	8	100	40	51	1	19.00
46429	R 3/8"	10	100	40	51	1	19.00
46430	R 1/2"	15	100	42	61	1	23.00
46431	R 3/4"	20	120	55	74	1	30.00
46432	R 1"	25	120	55	91	1	43.00



46 428



46 428

46433	R 1 1/4"	32	160	69	104	1	59.00
46434	R 1 1/2"	40	160	80	117	1	82.00
46435	R 2"	50	160	88	135	1	115.00

**NODVOL® Three-Way Ball Valve Made of
Brass and High-Quality Steel**

General product specification:

- Three-way ball valve with through bore 3/8" (9.5 mm) made of brass and high-quality steel SS 316 (US standard), with PTFE gasket for connection of standard capillaries.
- Maximum working pressure for both types: 105 bar.
- Fitted with bite-type fitting joints on all three sides. This method of sealing ensures almost zero dead volume.

**NODVOL® Three-Way Ball Valve Made of
Brass**

Cat. No.	For pipes outside Ø inch	Unit piece	Price Euro
54937	1/4"	1	254.00
54939	3/8"	1	356.00

**NODVOL® Three-Way Ball Valve Made of
High Quality Steel**

Cat. No.	For pipes outside Ø inch	Unit piece	Price Euro
54936	1/4"	1	479.00
54938	3/8"	1	573.00

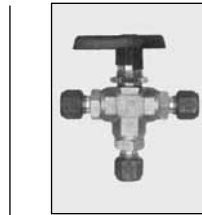
Fine Regulating Valves

Plastics

**THOMAFLUID® High-Tech Piping Control
Valve Made of PEEK / ETFE**

Product specification:

- Leakproof „four-lines“ hand control valves made of carbon-filled high-tech materials polyether-etherketone (PEEK) and fluoropolymer (ETFE) for piping made of rigid polymer materials, especially PEEK, with outside diameter 1.6 mm (1/16"), small dead volume (< 10 µl), pressure loadable up to 7 bar. Chemically



54 936



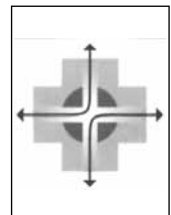
54 936

inert to acids (except conc. sulfuric and nitric acid), alkalis and solvents, sterilizable with all known procedures. Complete with ferrules screw-in fittings made of fluoropolymer material ETFE; four different practice-oriented designs as double-L, single-L, single-T, and straight-way control valve.

Cat. No.	Design	Unit piece	Price Euro
43854	double-L	1	224.00
43855	single-L	1	224.00
43856	single-T	1	224.00
43857	port	1	224.00



43 854



43 854

**THOMAFLUID® High-Quality Fine
Regulating Valve, Injection Molded
Type: MULTIFIT®-EPM L5**

Product specification:

- Injection-moulded of high-quality plastics, compact regulating valves with linear regulation characteristics.
- The two types "straight-way valve" and "angle valve" offer a wide range of application.

COCKS AND VALVES

- The adjustment of the volumetric flow rate is effected by a rotatable knurled screw, spindle, valve cone and valve seat.
 - Numerous connection possibilities due to compatibility with THOMAFLUID® and MULTIFIT® tubing connectors, pipe connectors and fittings
- With panel nut for control panel mounting

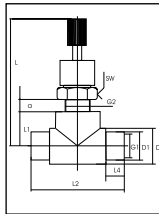
Technical specification:

- Material:**
Housing: PP (polypropylene), PVDF (polyvinylidene fluoride), PFA (perfluoroalkoxy)
Spindle: PCTFE (polychlorotrifluoroethylene)
O-ring: FPM (fluorinated rubber)
- Temperature range:**
PP (polypropylene): -25 to +100 °C;
PVDF (polyvinylidene fluoride): -40 to +140 °C;
PFA (perfluoroalkoxy): -200 to +200 °C;
PCTFE (polychlorotrifluoroethylene): -250 to +170 °C;
FPM (fluorinated rubber): -40 to +200 °C
- Nominal width:**
3.4 and 8 mm
- Flow range:**
depending on valve size
350 - 4.500 l/h for air ($\Delta p = 0.1$ bar);
60 - 600 l/h for water ($\Delta p = 1$ bar)
- Max. operating pressure:**
PN 6 (at +20 °C) The pressure utilization factor should be taken into account: at increased temperatures accordingly reduced pressurization
seamless, cylindrical G-internal thread, panel nut with M-thread
- Connection:**

Cat. No.	G2 mm	L mm	L1 mm	L2 mm	L3 mm	L4 mm	a mm	D1 mm	D2 mm	WAF mm
305106	M12 x 1	60.5	15.5	43.5		8	6	15	20	17
305107	M12 x 1	78	21	17	14	8	6	15	20	17
305108	M16 x 1	74	20	50		8	7	20	22	22
305109	M16 x 1	97	25	29	14.5	8	7	20	22	22
305110	M20 x 1.5	78	20	60		10	9	28	27	27
305111	M20 x 1.5	110	30	30	18	10	9	28	27	27
305112	M12 x 1	60.5	15.5	43.5		8	6	15	20	17
305113	M12 x 1	78	21	17	14	8	6	15	20	17



30 5106



30 5106

305114	M16 x 1	74	20	50		8	7	20	22	22
305115	M16 x 1	97	25	29	14.5	8	7	20	22	22
305116	M20 x 1.5	78	20	60		10	9	28	27	27
305117	M20 x 1.5	110	30	30	18	10	9	28	27	27
305118	M12 x 1	60.5	15.5	43.5		8	6	15	20	17
305119	M12 x 1	78	21	17	14	8	6	15	20	17
305120	M16 x 1	74	20	50		8	7	20	22	22
305121	M16 x 1	97	25	29	14.5	8	7	20	22	22
305122	M20 x 1.5	78	20	60		10	9	28	27	27
305123	M20 x 1.5	110	30	30	18	10	9	28	27	27

THOMAFLUID® High-Quality Fine Regulating Valve, Injection Molded Type: MULTIFIT®-EPM L5

Cat. No.	Design	Nominal width mm	Internal thread inch	Material	Max. flow rate for air l/h	Max. flow rate for water l/h	Price Euro
305106	port	3	G 1/8"	PP	450	70	96.00
305107	angle	3	G 1/8"	PP	350	60	104.00
305108	port	4	G 1/4"	PP	2000	250	110.00
305109	angle	4	G 1/4"	PP	3000	270	118.00
305110	port	8	G 1/2"	PP	4500	600	126.00
305111	angle	8	G 1/2"	PP	4500	600	144.00
305112	port	3	G 1/8"	PVDF	450	70	146.00
305113	angle	3	G 1/8"	PVDF	350	60	144.00
305114	port	4	G 1/4"	PVDF	2000	250	152.00
305115	angle	4	G 1/4"	PVDF	3000	270	164.00
305116	port	8	G 1/2"	PVDF	4500	600	176.00
305117	angle	8	G 1/2"	PVDF	4500	600	204.00
305118	port	3	G 1/8"	PFA	450	70	144.00
305119	angle	3	G 1/8"	PFA	350	60	150.00
305120	port	4	G 1/4"	PFA	2000	250	174.00
305121	angle	4	G 1/4"	PFA	3000	270	182.00
305122	port	8	G 1/2"	PFA	4500	600	198.00
305123	angle	8	G 1/2"	PFA	4500	600	220.00

THOMAFLUID® High-Chem Single-Hand Operated Valve Type: THOMACHEM-EPM H5

Product specification:

- A newly developed single-hand operated valve for uncomplicated sampling from flexible tubes.
- A problem time and again in practice: often you only have one hand free during sampling, but it is difficult to open a valve or a cock with only one hand.
- With the single-hand operated valve EPM H5 these tasks are now very easy. It can be comfortably held and operated with one hand and via the spring-mounted press button an optimal metering of the sample quantity is possible.
- Design "Standard": housing made of polypropylene (PP) with good chemical resistance.
- Design "High-Stable": housing made of polyvinylidene fluoride (PVDF) with very good chemical resistance as well as great hardness and outstanding dimensional stability.
- Design "High-Chem": housing made of perfluoroalkoxy (PFA) with excellent chemical resistance.

Technical specification:

- Material:**
Housing: PP (polypropylene), PVDF (polyvinylidene fluoride) or PFA (perfluoroalkoxy)
Sealing cone: PTFE (polytetrafluoroethylene)
O-ring: FPM (fluorinated rubber)
- K_v-value:**
0.16 m³/h = 160 l/h;
(water +5 to +30 °C, $\Delta p = 1$ bar)
- Connection:**
G 1/4" internal thread
- Max. operating pressure:** 6 bar

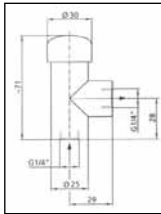
THOMAFLUID® High-Chem Single-Hand Operated Valve
Type: THOMACHEM-EPM H5

Cat. No.	Internal thread inch	Material	Unit piece	Price Euro
314133	G 1/4"	PP	1	128.00
314134	G 1/4"	PVDF	1	188.00
314135	G 1/4"	PFA	1	222.00

MULTIFIT® Fine Regulating Valves for Tubing of Equal Size



31 4133



31 4133

Product specification:

- for rigid tubing

Technical specification:

- **Material:**
Body and valve spindle: PTFE
Cap nuts: PVC
- **Sizes:**
A: for tubing outside Ø 0.6 to 1.0 mm (1/32");
C: for tubing outside Ø 1.3 to 1.6 mm (1/16");
D: for tubing outside Ø 2.4 to 3.2 mm (1/8");
E: for tubing outside Ø 5.7 to 6.4 mm (1/4")



93 01704



93 01704

Cat. No.	For pipes outside Ø mm	Nuts made of	Unit piece	Price Euro
9301704	0.6 – 1.0	PVC	1	151.00
9301705	1.3 – 1.6	PVC	1	151.00
9301706	2.4 – 3.2	PVC	1	151.00
9301707	5.7 – 6.4	PVC	1	151.00

MULTIFIT® PTFE Needle Valve
Type: MULTIFIT®

Product specification:

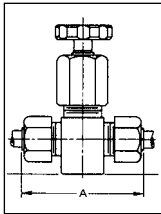
- Valves for rigid tubing
- Needle valves guarantee exact metering of gases and liquids as well as bubblefree sealing when the valve is closed

Technical specification:

- **Material:**
Body and valve spindle: PTFE
Cap nuts: high-quality steel
- **Shape:** straight
- **Connection:** for tubing of the same outside Ø
- **Sizes:**
A: for tubing outside Ø 0.6 to 1.0 mm (1/32");
C: for tubing outside Ø 1.3 to 1.6 mm (1/16");
D: for tubing outside Ø 2.4 to 3.2 mm (1/8");
E: for tubing outside Ø 5.7 to 6.4 mm (1/4")



60 113



60 113

Cat. No.	Nominal width mm	A mm	B mm	For pipes outside Ø inch	Cat. No.	Unit piece	Price Euro
50113	4.8	54	13	1/4"	92614	1	225.00
60114	6.4	54	17	5/16	92622	1	236.00
60115	8.0	54	19	3/8"	92640	1	246.00



61 743



61 743

MULTIFIT® SF Needle Fine Regulating Valve

Technical specification:

- **Material:** PVDF (body and cap nut)

Cat. No.	For pipes outside Ø mm	H mm	L mm	Unit piece	Price Euro
61743	4	95	62	1	410.00

COCKS AND VALVES

MULTIFIT® SF Needle Fine Regulating Valve

Cat. No.	For pipes outside Ø mm	H mm	L mm	Unit piece	Price Euro
61744	6	95	62	1	415.00
61745	8	95	62	1	425.00
61746	10	95	62	1	430.00
61747	12	95	62	1	435.00

THOMAFLOW® Finest Regulating Valves
Made of High-Tech Plastic Materials

Application areas:

- Fine regulation of all kinds of liquid and gas flows in the areas of
- chemical process engineering
- analytical technology
- biotechnology
- chemical nuclear technology
- medical engineering
- environmental technology

General product specification:

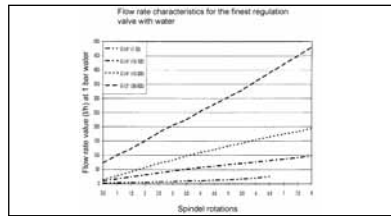
Manually adjustable finest control valve with precision stem, strongly linear regulation characteristics, made of proven, chemically resistant and biocompatible plastic materials, chemically sterilizable, prepared for mounting into fixed piping with standardized internal thread according to DIN ISO 228.

General technical specification:

- **Material:** alternatively PP (polypropylene), PVDF (polyvinylidene difluoride) or PTFE (polytetrafluoroethylene)

THOMAFLOW® Finest Regulating Valves
Made of High-Tech Plastic Materials
System: THOMAPLAST®-ME-5A-0113

Cat. No.	Material	Max. flow rate for water l/h	Max. flow rate for air l/h	Internal thread inch	Unit piece	Price Euro
16550	PP	1 – 30	3 – 150	G 1/4"	1	215.00
16551	PP	10 – 100	40 – 675	G 1/4"	1	215.00
16552	PP	10 – 200	80 – 1150	G 1/4"	1	215.00
16553	PP	50 – 500	500 – 3000	G 1/2"	1	255.00
16554	PVDF	1 – 30	3 – 150	G 1/4"	1	338.00
16555	PVDF	10 – 100	40 – 675	G 1/4"	1	338.00
16556	PVDF	10 – 200	80 – 1150	G 1/4"	1	348.00
16557	PVDF	50 – 500	500 – 3000	G 1/2"	1	445.00



16 550

16558	PTFE	1 – 30	3 – 150	G 1/4"	1	399.00
16559	PTFE	10 – 100	40 – 675	G 1/4"	1	399.00
16560	PTFE	10 – 200	80 – 1150	G 1/4"	1	410.00
16561	PTFE	50 – 500	500 – 3000	G 1/2"	1	558.00

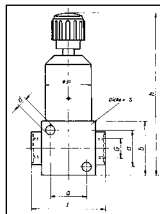
THOMAFLOW® Finest Regulating Valves
Made of High-Tech Plastic Materials
System: THOMAPLAST®-ME-5A-0113

Technical specification:

- **Flow range:**



16 550



16 550

for water at $\Delta p = 1$ bar: alternatively 1 – 30 l/h; 10 – 100 l/h; 10 – 200 l/h; 50 – 500 l/h

for air at $\Delta p = 0.1$ bar: alternatively 3 – 150 l/h; 40 – 675 l/h; 80 – 1150 l/h; 500 – 3000 l/h

- **Connection:** G 1/4" or G 1/2" (internal thread)
- **Construction sizes:** a = 24 mm; b = 36 mm; l = 49 mm; h = 112 mm; s = 25 mm; d = 6.6 mm; a = 34 mm; b = 48 mm; l = 66 mm; h = 124 mm; s = 30 mm; d = 6.6 mm

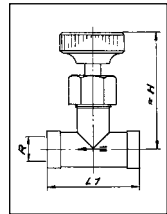
THOMAPLAST® Combined Straight-Way Valve
System: MULTIFIT®-KDV EMP 3

Product specification:

- Design: 2-way; port; R-internal thread on both sides



23 564



23 564

Cat. No.	Nominal width mm	Internal thread inch	L1 mm	H mm	Material	Unit piece	Price Euro
23564	4	R 1/4"	45	65	PP	3	129.00
23565	4	R 1/4"	45	65	PVDF	1	119.00
23567	6	R 3/8"	55	80	PP	2	135.00
23568	6	R 3/8"	55	80	PVDF	1	144.00
23570	8	R 1/2"	65	95	PP	2	148.00
23571	8	R 1/2"	65	95	PVDF	1	211.00

THOMAPLAST® Combined Angle Valve System: MULTIFIT®-KEV EMP 3

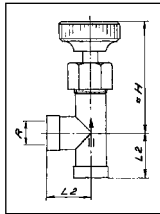
Product specification:

- Design: 2-way; angle; R-internal thread on both sides

Cat. No.	Nominal width mm	Internal thread inch	L2 mm	H mm	Material	Unit piece	Price Euro
23573	4	R 1/4"	23	65	PP	3	139.00
23574	4	R 1/4"	23	65	PVDF	1	129.00
23576	6	R 3/8"	28	80	PP	2	148.00
23577	6	R 3/8"	28	80	PVDF	1	151.00
23579	8	R 1/2"	33	95	PP	2	162.00
23580	8	R 1/2"	33	95	PVDF	1	224.00



23 573



23 573

THOMAPLAST® Block Angle Valve System: MULTIFIT®-BEV EMP 4

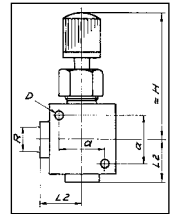
Product specification:

- Design: R-internal thread on both sides; can be supplied with fastening angle.

Cat. No.	Nominal width mm	Internal thread inch	L1 mm	H mm	D mm	a mm	Material	Unit piece	Price Euro
23720	4	R 1/4"	23	65	6.6	24	PP	2	197.00
23721	4	R 1/4"	23	65	6.6	24	PTFE	1	237.00
23722	4	R 1/4"	23	65	6.6	24	PVDF	1	207.00
23724	6	R 3/8"	28	80	6.6	28	PP	1	139.00
23725	6	R 3/8"	28	80	6.6	28	PTFE	1	281.00
23726	6	R 3/8"	28	80	6.6	28	PVDF	1	247.00



23 720



23 720

THOMAPLAST® Block Straight-Way Valve System: MULTIFIT®-BDV EMP 4

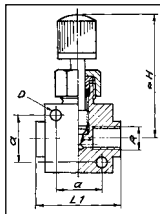
Product specification:

- Design: R-internal thread on both sides; can be supplied with fastening angle.

Cat. No.	Nominal width mm	Internal thread inch	L1 mm	H mm	D mm	a mm	Material	Unit piece	Price Euro
23708	4	R 1/4"	45	65	6.6	24	PP	2	197.00
23709	4	R 1/4"	45	65	6.6	24	PTFE	1	280.00



23 708



23 708

THOMAPLAST® Block Distributing Valve System: MULTIFIT®-BVV EMP 4

Product specification:

- Design: R-internal thread (inlet: E); R-internal thread (outlet: A); R-internal thread (inlet: E), 2 outlets: A1/A2; R-internal thread (inlet: E), 3 outlets: A1/A2/A3; R-internal thread (inlet: E), 4 outlets:



24 112



24 112

A1/A2/A3/A4. The valves can be optionally fitted with either tube or pipe screw fittings.

Cat. No.	Outlets	Nominal width mm	Internal thread inch	L mm	H mm	h mm	D mm	Material	Unit piece	Price Euro
24112	2	4	R 1/4"	45	65	35	6.6	PP	1	72.00
24113	2	4	R 1/4"	45	65	35	6.6	PTFE	1	346.00
24114	2	4	R 1/4"	45	65	35	6.6	PVDF	1	266.00
24116	2	6	R 3/8"	55	80	38	6.6	PP	1	116.00

**Shopping per mouse click
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COCKS AND VALVES

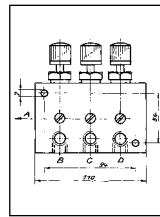
THOMAPLAST® Block Distributing Valve System: MULTIFIT®-BVV EMP 4

Cat. No.	Outlets	Nominal width mm	Internal thread inch	L mm	H mm	h mm	D mm	Material	Unit	Price
									piece	Euro
24117	2	6	R 3/8"	55	80	38	6.6	PTFE	1	440.00
24118	2	6	R 3/8"	55	80	38	6.6	PVDF	1	343.00
24120	2	8	R 1/2"	65	95	45	6.6	PP	1	169.00
24121	2	8	R 1/2"	65	95	45	6.6	PTFE	1	632.00
24122	2	8	R 1/2"	65	95	45	6.6	PVDF	1	486.00
24124	3	4	R 1/4"	45	65	35	6.6	PP	1	169.00
24125	3	4	R 1/4"	45	65	35	6.6	PTFE	1	632.00
24126	3	4	R 1/4"	45	65	35	6.6	PVDF	1	486.00
24128	3	6	R 3/8"	55	80	38	6.6	PP	1	169.00
24129	3	6	R 3/8"	55	80	38	6.6	PTFE	1	632.00
24130	3	6	R 3/8"	55	80	38	6.6	PVDF	1	486.00
24132	3	8	R 1/2"	65	95	45	6.6	PP	1	199.00
24133	3	8	R 1/2"	65	95	45	6.6	PTFE	1	746.00
24134	3	8	R 1/2"	65	95	45	6.6	PVDF	1	658.00
24136	4	4	R 1/4"	45	65	35	6.6	PP	1	169.00
24137	4	4	R 1/4"	45	65	35	6.6	PTFE	1	632.00
24138	4	4	R 1/4"	45	65	35	6.6	PVDF	1	486.00
24140	4	6	R 3/8"	55	80	38	6.6	PP	1	169.00
24141	4	6	R 3/8"	55	80	38	6.6	PTFE	1	632.00
24142	4	6	R 3/8"	55	80	38	6.6	PVDF	1	486.00
24144	4	8	R 1/2"	65	95	45	6.6	PP	1	218.00
24145	4	8	R 1/2"	65	95	45	6.6	PTFE	1	819.00
24146	4	8	R 1/2"	65	95	45	6.6	PVDF	1	683.00

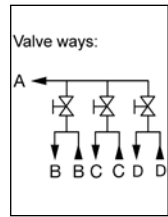
- Design: Inlet: R 1/4"-internal thread, outlet: R 3/8"-internal thread

Cat. No.	Valve	Inlets	Outlets	Nominal width mm	Internal thread inch	L mm	H mm	Material	Unit	Price Euro
24164	3	3	1	4	R 1/4"	110	70	PP	1	438.00
24165	3	3	1	4	R 1/4"	110	70	PTFE	1	514.00
24166	3	3	1	4	R 1/4"	110	70	PVDF	1	473.00

THOMAPLAST® Metering and Distributing Block Valve System: MULTIFIT®-DVBV EMP 4



24 164



24 164

Product specification:

- Design: Inlet: R 1/4"-internal thread; outlet: R 1/2"-internal thread

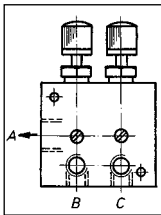
Cat. No.	Valve	Inlets	Outlets	Nominal width mm	Internal thread inch	L mm	H mm	Material	Unit	Price Euro
24168	5	5	1	4	R 1/4"	170	70	PP	1	675.00
24169	5	5	1	4	R 1/4"	170	70	PTFE	1	808.00
24170	5	5	1	4	R 1/4"	170	70	PVDF	1	727.00
24172	7	7	1	4	R 1/4"	230	70	PP	1	808.00
24173	7	7	1	4	R 1/4"	230	70	PTFE	1	1013.00
24174	7	7	1	4	R 1/4"	230	70	PVDF	1	911.00

THOMAPLAST® Metering and Distributing Block Valve System: MULTIFIT®-DVBV EMP 4

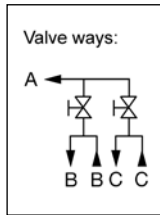
Product specification:

- Design: Inlet: R 1/4"-internal thread, outlet: R 1/4"-internal thread

Cat. No.	Valve	Inlets	Outlets	Nominal width mm	Internal thread inch	L mm	H mm	Material	Unit	Price Euro
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24 160



24 160

24160	2	2	1	4	R 1/4"	80	70	PP	1	402.00
24161	2	2	1	4	R 1/4"	80	70	PTFE	1	473.00
24162	2	2	1	4	R 1/4"	80	70	PVDF	1	438.00

THOMAFLUID® PE Chemical Angle-Body Valve with Hose Nozzle Type: HFFL 35-4

Product specification:

- Angle-body valve made of natural-coloured, rigid polyethylene (HD-PE) with wide thread and hose nozzle as outlet, with hexagon as mounting tool, as well as with red and blue fixing points at the sides of the knob.

Technical specification

- Max. temperature:** up to +100 °C, for a short time +115°C
- Max. operating pressure:** 2 bar

Cat. No.	Wide thread mm	For tubing inside Ø mm	Nominal width mm	Unit piece	Price Euro
40700	22	12.7	10	3	75.00

THOMAPLAST® Metering and Distributing Block Valve System: MULTIFIT®-DVBV EMP 4

Product specification:

THOMAFLUID® PE Chemical Angle-Body Valve with Hose Nozzle **Type: HFFL 35-5**

Product specification:

- Angle-body valve made of natural-coloured, rigid polyethylene (HD-PE) with pipe thread (R-thread) and hose nozzle as outlet, with hexagon as mounting tool, as well as with red and blue fixing points at the side of the knob.

Technical specification:

- **Max. temperature:** up to +100 °C, for a short time +115°C
- **Max. operating pressure:** 2 bar

Cat. No.	External thread inch	For tubing inside Ø mm	Nominal width mm	Unit piece	Price Euro
40699	R 1/2"	12.7	10	3	75.00

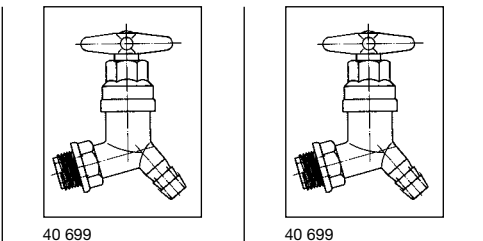
Metals

NODVOL® Needle Valve Made of Brass and High Quality Steel

General product specification:

- Needle valve with through bore 1/4" (6.35 mm) made of brass and high quality steel SS 316 (US standard) with PTFE gasket for connection of standard capillaries.
- The needle valves are available with various stems:
 Type R: Cone stem 30°
 Type N: Regulating stem 2.5°
 Type K: Stem with interchangeable PCTFE soft seat
- Fitted with bite-type fitting joints on both sides. This method of sealing ensures almost zero dead volume.

NODVOL® Needle Valve Made of Brass



Technical specification:

- **Max. operating pressure:** 210 bar at +20 °C

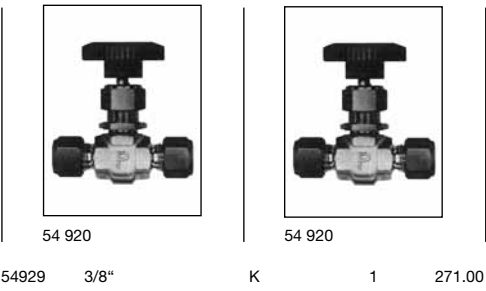
Cat. No.	For pipes outside Ø inch	Spindle type	Unit piece	Price Euro
54920	1/4"	R	1	95.00
54922	1/4"	N	1	95.00
54924	1/4"	K	1	126.00
54926	3/8"	R	1	146.00
54928	3/8"	N	1	146.00
54930	3/8"	K	1	156.00

NODVOL® Needle Valve Made of High Quality Steel

Technical specification:

- **Max. operating pressure:** 350 bar at +20 °C

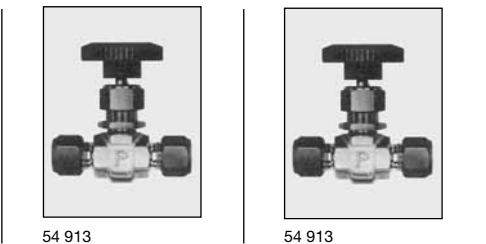
Cat. No.	For pipes outside Ø inch	Spindle type	Unit piece	Price Euro
54913	1/8"	R	1	213.00
54915	1/8"	N	1	213.00
54917	1/8"	K	1	213.00
54919	1/4"	R	1	213.00
54921	1/4"	N	1	213.00
54923	1/4"	K	1	213.00
54925	3/8"	R	1	271.00
54927	3/8"	N	1	271.00



NODVOL® Fine Regulation Needle Valves Made of Brass and High Quality Steel

Product specification:

- Needle valve made of brass and high quality steel with R-internal thread and PTFE gasket.
- Max. operating pressure for gases: 10 bar
- Max. operating pressure for liquids: 16 bar
- Max. temperature: +80 °C



NODVOL® Fine Regulation Needle Valves Made of Brass

Cat. No.	Max. flow rate l/min.	Internal thread inch	Unit piece	Price Euro
54359	10	R 1/4"	1	315.00
54361	30	R 1/4"	1	223.00
54363	100	R 1/4"	1	223.00

COCKS AND VALVES

NODVOL® Fine Regulation Needle Valves Made of High Quality Steel

Cat. No.	Max. flow rate l/min.	Internal thread inch	Unit piece	Price Euro
54358	10	R 1/4"	1	335.00
54360	30	R 1/4"	1	351.00
54362	100	R 1/4"	1	351.00

NODVOL® Precision Needle Valves Made of Brass and High-Quality Steel



54 359 (see page 76)



54 359 (see page 76)

General product specification:

- Needle valve with highly precise bore made of brass and high-quality steel with PTFE gasket for extremely small flow rates of gases and liquids.
- The needle valve allows an outstandingly exact regulation of flow. The sliding needle with conical ground surface reciprocates in a nozzle aperture and varies the aperture cross-section linearly with the stem turn.
- The throttle cross-section is reproducible at exact stem setting.
- Hysteresis of the area characteristic is eliminated by a spring.
- Connections 1/8" NPT internal thread.



54 358



54 358

- Designed as straight-way needle valve and angle-body needle valve.

NODVOL® Precision Straight-Way Needle Valve Made of Brass

Technical specification:

- Max. operating pressure:** 40 bar at +20 °C
- Max. temperature:** +85 °C

NODVOL® Precision Straight-Way Needle Valve Made of Brass

Cat. No.	Internal thread inch	Unit piece	Price Euro
55839	NPT 1/8"	1	384.00

NODVOL® Precision Straight-Way Needle Valve Made of High Quality Steel

Technical specification:

- Max. operating pressure:** 65 bar at +20 °C
- Max. temperature:** +120 °C



55 839



55 839

Cat. No.	Internal thread inch	Unit piece	Price Euro
55838	NPT 1/8"	1	458.00

NODVOL® Precision Angle-Body Needle Valve Made of Brass

Technical specification:

- Max. operating pressure:** 40 bar at +20 °C
- Max. temperature:** +85 °C



55 838



55 838

Cat. No.	Internal thread inch	Unit piece	Price Euro
55841	NPT 1/8"	1	384.00

NODVOL® Precision Angle-Body Needle Valve Made of High Quality Steel

Technical specification:

- **Max. operating pressure:** 65 bar at +20 °C
- **Max. temperature:** +120 °C

Cat. No.	Internal thread inch	Unit piece	Price Euro
55840	NPT 1/8"	1	458.00

- Design: Tubing connection on one side, R-external thread on the other side

Cat. No.	Nominal width mm	External thread inch	Unit piece	Price Euro
50284	4/6	R 1/4"	1	49.00

NODVOL® Straight-Way Valve Made of Brass

Product specification:

- Design: Internal thread at both sides



55 841 (see page 79)



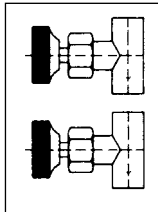
55 841 (see page 79)

Cat. No.	Internal thread inch	Unit piece	Price Euro
50285	R 1/4"	1	41.00

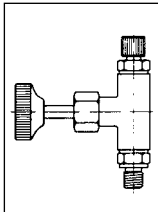
NODVOL® Straight-Way Ball Valve Made of Brass and High Quality Steel

Product specification:

- Ball valves with through bore of 6.35 mm, made of brass and high-quality steel SS 316 (US standard), with PTFE gasket for connection of standard capillaries.



50 285



50 286

- Pipe connection: 3/8".
- Maximum working pressure: 105 bar.
- Fitted with bite-type fitting joint on both sides. This method of sealing ensures almost zero dead volume.

NODVOL® Straight-Way Valve Made of Brass

Product specification:

- Design: Tubing connection on one side, R-external thread on the other side

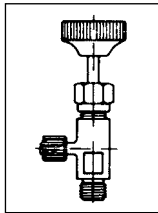


55 840



55 840

Cat. No.	Nominal width mm	External thread inch	Unit piece	Price Euro
50286	4/6	R 1/4"	1	57.00



50 284



54 933

NODVOL® Straight-Way Ball Valve Made of High Quality Steel

Cat. No.	For pipes outside Ø inch	Unit piece	Price Euro
54932	1/4"	1	333.00
54934	3/8"	1	435.00

NODVOL® Angle Valve Made of Brass

Product specification:

Angle Seat Valves

Plastics

THOMAFLOW® Angle Seat Shut-off Valves
System: THOMAPROP-SS-X

Application areas:

- Angle seat valves are made of plastics, with excellent resistance to chemically aggressive and corrosive media, offering a wide range of application:
- Process engineering
- Chemical industry



54 932 (see page 78)



54 932 (see page 78)

- Transport of chemicals
- Desulfurization and denitrification systems
- Sewage purification
- Water purification
- Environmental technology
- Hygiene technology and sanitary engineering
- In the above mentioned areas they serve as shut-off, safety and cleaning devices on containers, piping and pump systems.

General product specification:

- Leak-free shut-off of liquid and gaseous media.
- Injection-molded valve housing.
- All medium-contacting valve parts are made of plastics with high resistance to chemicals. They are particularly suitable for applications where aggressive media are to be conveyed and blocked.
- Housing material: alternatively rigid PVC (polyvinyl chloride), PP (polypropylene), PVDF (polyvinylidene fluoride).
- Type of connection: screw joint on both sides. The screw joints contain O-seals, insert parts, screw-in components (PVC valves) and cap nuts. The valves are supplied as complete unit with the screw joint. They are fitted with end fittings for fastening to pipes.
- The connection of the PVC valves to piping is effected at the first application by adhesive bonding of the connections with the pipe, in the case of PP and PVDF valves connection and pipe are welded together. Once the valves are fixed to pipes, they can be easily removed from the pipe by disconnecting the screw joint.

Manual shut-off valves:

- Remarkable advantage compared e.g. to ball valves as shut-off devices: an unintentional opening of the valves during a transport is nearly excluded.
Particular case of operation: application as shut-off device on transport containers for chemicals, with respective approval.
Flat-seat valve plate with rigid seal.

The stem is fitted with a double chevron packing for sealing of the valve top.
The sealing elements can be easily changed.

General technical specification:

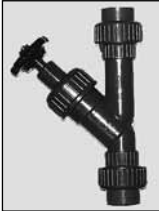
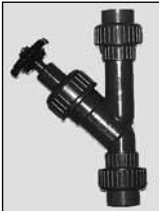
- **Max. temperature:**
 - PVC +60 °C, for a short time +70 °C
 - Polybuton +90 °C, for a short time +100 °C
 - PVDF +100 °C, for a short time +150 °C
 - PTFE +250 °C, for a short time +300 °C
 - FPM +150 °C, for a short time +200 °C
 - PP +90 °C, for a short time +110 °C
 - FEP +150 °C, for a short time +220 °C

THOMAFLOW® Angle Seat Manual Shut-off Valve Made of PVDF
Type: THOMAPROP-SS-STOCO-3

Product specification:

- The manual shut-off valves are developed for mounting in PVDF (polyvinylidene fluoride) piping.
- All medium-contacting valve parts (valve body, stem, valve plate, support ring, clamp) are made of PVDF (polyvinylidene fluoride).
- Gasket: chevron packings made of PTFE (polytetrafluoroethylene) for stem and housing.
- Complete with connection set:
PVDF (polyvinylidene fluoride) connecting nuts, on both sides
PVDF (polyvinylidene fluoride) insert parts, on both sides
FPM (fluorinated rubber) O-rings

THOMAFLOW® Angle Seat Manual Shut-off Valve Made of PVDF
Type: THOMAPROP-SS-STOCO-3

Cat. No.	d mm	Nominal width mm	L mm	L1 mm	Unit piece	Price Euro
303412	20	15	130	184	1	288.00
<div><div></div><div></div></div>						
303412						
303413	25	20	150	212	1	306.00
303414	32	25	160	232	1	402.00
303415	40	32	180	264	1	530.00
303416	50	40	200	280	1	680.00
303417	63	50	230	248	1	918.00

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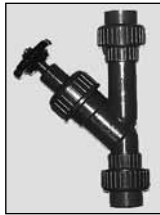
THOMAFLUID® Angle Seat Manual Shut-off Valve Made of PP
Type: THOMAPROP-SS-STOCO-2

Product specification:

- The manual shut-off valves are developed for mounting in PE (polyethylene) or PP (polypropylene) piping according to DIN 8074 or DIN 8077.
- All valve parts are made of PP (polypropylene), except the hand wheel (Bakelite phenolic formaldehyde resin) and the cap nut made of PVC (polyvinyl chloride)
- Gasket: valve plate as well as chevron packing of the stem made of polybutene.
- Complete with connection set: PP (polypropylene) connecting nuts, on both sides



30 3406



30 3406

PP (polypropylene) insert parts, on both sides
 FPM (fluorinated rubber) O-rings

Cat. No.	d mm	Nominal width mm	L mm	L1 mm	Unit piece	Price Euro
303406	20	15	130	168	1	116.00
303407	25	20	150	194	1	128.00
303408	32	25	160	210	1	156.00
303409	40	32	180	238	1	180.00
303410	50	40	200	268	1	216.00
303411	63	50	230	312	1	378.00

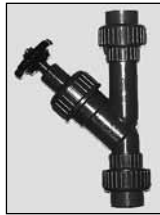
THOMAFLUID® Angle Seat Manual Shut-off Valve Made of PVC
Type: THOMAPROP-SS-STOCO-1

Product specification:

- The manual shut-off valves are developed for mounting in PVC (polyvinyl chloride) piping according to DIN 8062 and for fittings according to DIN 8063.
- All valve parts are made of rigid PVC (polyvinyl chloride). The material does not contain plasticizers and meets the recommendations of the Federal Health Office (Federal Health Gazette 1964, No. 23).
- Gaskets made of polybutene. Stem sealing by chevron packings.
- Complete with connection set: PVC (polyvinyl chloride) connecting nuts, on both sides
 PVC (polyvinyl chloride) insert parts, on both sides
 PVC (polyvinyl chloride) screw-in components

THOMAFLUID® Angle Seat Manual Shut-off Valve Made of PVC
Type: THOMAPROP-SS-STOCO-1

Cat. No.	d mm	Nominal width mm	L mm	L1 mm	Unit piece	Price Euro
303400	20	15	130	168	1	116.00
303401	25	20	150	194	1	128.00
303402	32	25	160	210	1	156.00
303403	40	32	180	238	1	180.00
303404	50	40	200	268	1	216.00
303405	63	50	230	312	1	378.00



30 3400



30 3400

Check valves

Plastics

THOMAFLUID® PP Check valve
System: MULTIFIT®-VT

Technical specification:

- **Gasket and diaphragm:** FPM (fluorinated rubber)
- **Sterilization:** autoclavable at +121 °C
- **Design:** Tubing connections on both sides, pressure difference: 120 mbar

Cat. No.	For tubing inside Ø mm	Material	Unit piece	Price Euro
339656	6 – 8	PP	5	44.00
60832	8 – 10	PP	5	64.00
60844	10 – 15	PP	5	85.00

THOMAFLUID® PP Check valve for Gases and Liquids
Type: NG 6122

Technical specification:

- **Material:**
 Housing: PP (polypropylene)
 Diaphragm: FPM/FKM (fluorinated rubber)
- **Vacuum:** suitable between 50 - 740 mm Hg

COCKS AND VALVES

- **Sterilization:** autoclavable at +121 °C

Cat. No.	For tubing inside Ø mm	Unit piece	Price Euro
13917	3.2	3	96.00
13918	4.8	3	96.00
13919	6.4	3	108.00
13920	8.0	3	122.00

THOMAFUID® PP Industrial Check Valve Type: VB 17495

Technical specification:

- **Material:**



13 917



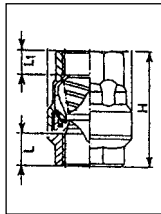
13 917

Housing: glass fibre reinforced PP (polypropylene)
Gasket: EPDM (ethylene-propylene-diene rubber)
Spring: high quality steel 1.4401

- **Colour of housing:** light-gray
- **Max. operating pressure:** 6 bar at +20 °C
- **Max. temperature:** +80 °C
- **Release pressure:** < 0.5 bar
- **Sterilization:** autoclavable at +121 °C
- **Design:** cylindrical G-internal thread on both sides according to UNI ISO 228



14 291



14 291

Cat. No.	Internal thread inch	H mm	E mm	L mm	L1 mm	Unit piece	Price Euro
14291	G 1/2"	62.0	40.5	17	16	2	67.00
14292	G 3/4"	68.0	47.0	18	17	2	72.00
14293	G 1"	75.0	54.0	20	17	2	77.00

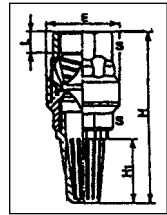
THOMAFUID® PP Industrial Bottom Check Valve Type: VB 17495

Technical specification:

- **Material:**
Housing: glass fibre reinforced PP (polypropylene)
EPDM (ethylene-propylene-diene rubber)
- **Colour:** light-gray
- **Max. operating pressure:** 6 bar at +20 °C
- **Max. temperature:** +90 °C
- **Sterilization:** autoclavable at +121 °C
- **Design:** with strainer and cylindrical



14 294



14 294

G-external thread according to UNI ISO 228

Cat. No.	External thread inch	H mm	H1 mm	E mm	L mm	WAF mm	Unit piece	Price Euro
14294	G 1/2"	105	38	40.0	16.0	27	2	62.00
14295	G 3/4"	115	43	46.5	17.5	34	2	67.00
14296	G 1"	125	48	54.0	17.0	41	2	75.00

THOMAFUID® High-Tech-Check Valves Type: THOMAPLAST®-EMM

Technical specification:

- **Material:**
Housing: PP (polypropylene), PVDF (polyvinylidene fluoride); PFA (perfluoroalkoxy)
Locking cone: PTFE (polytetrafluoroethylene)
Functional spring: Hastelloy B®
O-ring: FPM (fluorinated rubber)
- **Temperature range:**
PP: -40 to +90 °C;
PVDF: -40 to +120 °C;
PFA: -40 to +180 °C
- **Max. operating pressure:** G 1/8" up to 6 bar; G 1/4" up to 6 bar or G 1/2" up to 10 bar
G 1/8": 0.4 bar; G 1/4": 0.6 bar;
G 1/2": 1.2 bar
- **Release pressure:**
- **Sterilization:** autoclavable at +121 °C
- **Connection:** internal thread G 1/8"; G 1/4" or G 1/2"

Cat. No.	Material	Nominal width mm	Internal thread inch	L1 mm	WAF mm	Price Euro
309888	PP	3	G 1/8"	63	17	118.00

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THOMAFLUID® High-Tech-Check Valves Type: THOMAPLAST®-EMM

Cat. No.	Material	Nominal width mm	Internal thread inch	L1 mm	WAF mm	Price Euro
340972	PP	4	G 1/4"	63	19	146.00
309889	PP	8	G 1/2"	76	27	304.00
309896	PVDF	3	G 1/8"	63	17	168.00
340973	PVDF	4	G 1/4"	63	19	212.00
309897	PVDF	8	G 1/2"	76	27	438.00
340974	PFA	3	G 1/8"	63	17	200.00
340975	PFA	4	G 1/4"	63	19	248.00
340976	PFA	8	G 1/2"	76	27	496.00



30 9888 (see page 81)



30 9888 (see page 81)

THOMAFLUID® Angle Seat Check Valves System: THOMAPROP-SS-X

Application areas:

- Angle seat valves are made of plastics, with excellent resistance to chemically aggressive and corrosive media, offering a wide range of application:
 - Process engineering and process technology
 - Chemical industry
 - Transport of chemicals
 - Desulfurization and denitrification systems
 - Sewage purification
 - Water purification
 - Environmental technology
 - Hygiene technology and sanitary engineering
- In the above mentioned areas they serve as shut-off, safety and cleaning devices on containers, piping and pump systems.
- General product specification:
 - Leak-free shut-off of liquid and gaseous media.
 - Injection-molded valve housing.
 - All medium-contacting valve parts are made of plastics with high resistance to chemicals. They are particularly suitable for applications where aggressive media are to be conveyed and blocked.
- Housing material: alternatively rigid PVC (polyvinyl chloride), PP (polypropylene), PVDF (polyvinylidene fluoride).
- Type of connection: screw joint on both sides. The screw joints contain O-seals, insert parts, screw-in components (PVC valves) and cap nuts. The valves are supplied as complete unit with the screw joint. They are fitted with end fittings for fastening to pipes.
- The connection of the PVC (polyvinyl chloride) valves to piping is effected at the first application by adhesive bonding of the connections with the pipe, in the case of PP (polypropylene) and PVDF (polyvinylidene fluoride) valves connection and pipe are

welded together. Once the valves are fixed to pipes, they can be easily removed from the pipe by disconnecting the screw joint.

Check valves:

- Check valves: The O-ring of the designs PP and PVDF is spring loaded. Check valves are used in piping of technical or sanitary equipment, in case the medium must flow only in one direction as required by the process.

Chemical resistance of used materials:

- Rigid PVC (polyvinyl chloride): Resistant to most alkalis, acids, salt solutions and water-miscible organic compounds. Not resistant to aromatic and chlorinated hydrocarbons.
- Polybutene: Resistant to aqueous solutions of acids, salts, alkalis and a lot of organic solvents. Not resistant to concentrated, oxidizing acids.
- PVDF (polyvinylidene fluoride): Resistant to acids, salt solutions, aliphatic and aromatic (chlorinated) hydrocarbons, halogenes and alcohols, but only of limited resistance to ketones, esters, ethers, and not usable for organic bases and alkalis.
- PTFE (polytetrafluoroethylene): PTFE is resistant to most chemicals.
- FPM (fluorinated rubber): High chemical resistance to all kinds of solvents. Not suitable for hot steam, organic acids and strong bases.
- PP (polypropylene): Resistant to aqueous solutions of acids, salts, alkalis and a lot of organic solvents. Not resistant to concentrated, oxidizing acids.
- FEP (tetrafluoroethylene / hexafluoropropylene copolymer): FEP is resistant to most chemicals.

General technical specification:

- Max. temperature:
 - PVC +60 °C, for a short time + 70 °C
 - Polybuton +90 °C, for a short time +100 °C
 - PVDF +100 °C, for a short time +150 °C
 - PTFE +250 °C, for a short time +300 °C
 - FPM +150 °C, for a short time +200 °C
 - PP +90 °C, for a short time +110 °C
 - FEP +150 °C, for a short time +220 °C

THOMAFLUID® Angle Seat Check Valve Made of PVDF Type: THOMAPROP-SS-BASTRO-3

Product specification:

- The check valves are developed for mounting in PVDF (polyvinylidene fluoride) piping.

Technical specification:

- Material of valve parts:** PVDF (polyvinylidene fluoride)
- Gasket:** valve seat made of FPM (fluorinated rubber)
6 bar
- Max. operating pressure:** 6 bar
- Complete with connection set:** PVDF (polyvinylidene fluoride) connecting nuts, on both sides
PVDF (polyvinylidene fluoride) insert parts, on both sides
FPM (fluorinated rubber) o-rings, on both sides

Cat. No.	d mm	Nominal width mm	L mm	L1 mm	Unit piece	Price Euro
303430	20	15	130	184	1	246.00
303431	25	20	150	212	1	268.00
303432	32	25	160	232	1	332.00
303433	40	32	180	264	1	438.00
303434	50	40	200	280	1	606.00
303435	63	50	230	348	1	854.00

COCKS AND VALVES

THOMAFLOW® Angle Seat Check Valve Made of PP Type: THOMAPROP-SS-BASTRO-2

Product specification:

- The check valves are developed for mounting in PE (polyethylene) or PP (polypropylene) piping according to DIN 8074 and DIN 8077 resp.

Technical specification:

- Material of valve parts:** PP (polypropylene)
- Max. operating pressure:** 6 bar
- Complete with connection set:** PP (polypropylene) connecting nuts, on both sides
PP (polypropylene) insert parts, on both sides
FPM (fluorinated rubber) o-rings, on both sides



30 3430 (see page 82)



30 3430 (see page 82)

Cat. No.	d mm	Nominal width mm	L mm	L1 mm	Unit piece	Price Euro
303424	20	15	130	184	1	174.00
303425	25	20	150	212	1	182.00
303426	32	25	160	232	1	196.00
303427	40	32	180	264	1	228.00
303428	50	40	200	280	1	276.00
303429	63	50	230	348	1	348.00



30 3424



30 3424

THOMAFLOW® Angle Seat Check Valve Made of PVC Type: THOMAPROP-SS-BASTRO-1

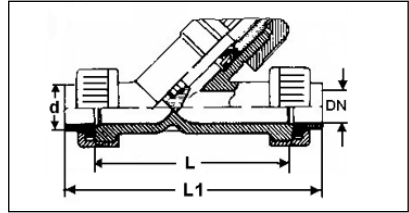
Product specification:

- The check valves are developed for mounting in PVC (polyvinyl chloride) piping according to DIN 8062 and for fittings according to DIN 8063.

Technical specification:

- Material of valve parts:** rigid PVC (polyvinyl chloride). The material does not contain plasticizers and meets the recommendations of the Federal Health Office (Federal Health Gazette 1964, No. 23).
- Max. operating pressure:** 6 bar
- Complete with connection set:** PVC (polyvinyl chloride) connecting nuts, on both sides
PVC (polyvinyl chloride) insert parts, on both sides
PVC (polyvinyl chloride) screw-in components, on both sides
FPM (fluorinated rubber) o-rings, on both sides

Cat. No.	d mm	Nominal width mm	L mm	L1 mm	Unit piece	Price Euro
303418	20	15	130	168	1	120.00
303419	25	20	150	194	1	128.00
303420	32	25	160	210	1	146.00



30 3418

303421	40	32	180	238	1	168.00
303422	50	40	200	268	1	212.00
303423	63	50	230	312	1	240.00

THOMAFLOW® Angle Seat Check Valves

General product specification:

- Break-proof, tight-closing check valves made of PVC-U or PP and PVDF resp. The liquid-tightly enclosed metal core of the valve piston guarantees a complete shut-off already at low working pressures. The valve is distinguished by freedom from maintenance and simplest design.
- The sizes DN 15 to DN 50 can be retrofitted with a FEP-coated shutting spring providing a safe closing function at horizontal or vertical installation with overhead valve body.

THOMAFLOW® Angle Seat Check Valve Made of PVDF Type: THOMAPROP-ST 09898

Product specification:

- Small pressure loss due to flow-enhancing housing
- Corrosion-resistant
- Metal-free, therefore no media oxidation
- High impact toughness
- Good chemical resistance
- Good mechanical stability

Technical specification:

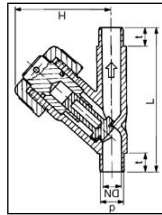
- Material:**
 - Housing: PVDF (polyvinylidene fluoride)
 - Valve piston: PVDF (polyvinylidene fluoride)
 - O-ring, seat gasket: FPM (fluorinated rubber), Type: A
 - Spring: FEP-coated (fluorinated ethylene-propylene)

- **Max. operating pressure:** 10 bar at +20 °C
- **Max. temperature:** +120 °C for neutral media
- **Mounting position:** horizontal and vertical
- **Connection:** butt fusion spigot or socket fusion spigot according to DIN 3442, shape S

Cat. No.	d mm	Nominal width mm	Max. operating pressure ¹ bar	Material of gaskets	Unit piece	Price Euro
350651	20	15	10	FPM	1	314.00
350652	25	20	10	FPM	1	324.00
350653	32	25	10	FPM	1	406.00
350654	40	32	10	FPM	1	544.00
350655	50	40	10	FPM	1	786.00



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350656	63	50	10	FPM	1	1144.00
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¹ at + 20 °C

THOMAFLUID® Angle Seat Check Valve Made of PP Type: THOMAPROP-ST 09898

Product specification:

- Small pressure loss due to flow-enhancing housing
- Corrosion-resistant
- Metal-free, therefore no media oxidation
- High impact resistance
- Good temperature resistance
- Good chemical resistance
- Resistant to hydrolysis
- Very good dielectrical properties
- Good mechanical stability
- Not resistant to weather and cold (embrittlement)

Technical specification:

- **Material:**
 - Housing: PP (polypropylene)
 - Valve piston: PP (polypropylene)
 - O-ring: FPM (fluorinated rubber), Type: A
 - Spring: FEP-coated (fluorinated ethylene-propylene)
- **Max. operating pressure:** 10 bar at +20 °C
- **Max. temperature:** +80 °C for neutral media
- **Mounting position:** horizontal and vertical
- **Connection:** welding spigot according to DIN 3442, shape S

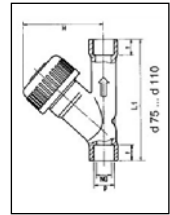
THOMAFLUID® Angle Seat Check Valve Made of PP Type: THOMAPROP-ST 09898

Cat. No.	d mm	Nominal width mm	Max. operating pressure ¹ bar	Material of gaskets	Unit piece	Price Euro
350645	20	15	10	FPM	1	124.00
350646	25	20	10	FPM	1	140.00
350647	32	25	10	FPM	1	154.00
350648	40	32	10	FPM	1	168.00
350649	50	40	10	FPM	1	202.00
350650	63	50	10	FPM	1	304.00

¹ at + 20 °C



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THOMAFLUID® Angle Seat Check Valve Made of PVC-U Type: THOMAPROP-ST 09898

Product specification:

- Small pressure loss due to flow-enhancing housing
- Corrosion-resistant
- Metal-free, therefore no media oxidation
- Free of plasticizers, therefore physiologically indifferent
- High impact toughness but risk of breakage at low temperatures
- Good mechanical stability
- Very good dielectrical properties
- Good chemical resistance
- Hardly inflammable

Technical specification:

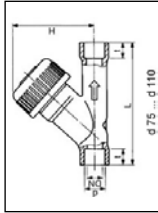
- **Material:**
 - Housing: PVC-U (rigid PVC, polyvinyl chloride)
 - Valve piston: PVC-U (rigid PVC, polyvinyl chloride)
 - O-ring: EPDM (ethylene-propylene-diene rubber); FPM (fluorinated rubber), Type: A
 - Spring: FEP-coated (fluorinated ethylene-propylene)
- **Max. operating pressure:** 10 bar at +20 °C
- **Max. temperature:** +60 °C for neutral media
- **Mounting position:** horizontal and vertical
- **Connection:** cementing spigot according to DIN 8063, Part 8

THOMAFIUID® Angle Seat Check Valve Made of PVC-U Type: THOMAPROP-ST 09898

Cat. No.	d mm	Nominal width mm	Max. operating pressure ¹ bar	Material of gaskets	Unit piece	Price Euro
350633	20	15	10	EPDM	1	82.00
350634	25	20	10	EPDM	1	98.00
350635	32	25	10	EPDM	1	114.00
350636	40	32	10	EPDM	1	128.00
350637	50	40	10	EPDM	1	184.00
350638	63	50	10	EPDM	1	254.00
350639	20	15	10	FPM	1	104.00
350640	25	20	10	FPM	1	126.00



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35 0633

350641	32	25	10	FPM	1	134.00
350642	40	32	10	FPM	1	176.00
350643	50	40	10	FPM	1	276.00
350644	63	50	10	FPM	1	374.00

¹ at + 20 °C

- Check valve with easily interchangeable soft O-ring made of FPM.
- Very low pressure loss
- Responding range according to the preset opening pressure
- At both sides fitted with bite-type fitting joints.

NODVOL® Check Valve Made of Brass

Cat. No.	For pipes outside Ø inch	Release pressure bar	Bore mm	Unit piece	Price Euro
549511	1/8"	0.07	3.2	1	87.00
54951	1/8"	0.35	3.2	1	87.00
54953	1/8"	0.70	3.2	1	87.00



33 1202



33 1202

54955	1/4"	0.023	3.2	1	87.00
54957	1/4"	0.07	6.4	1	87.00
54959	1/4"	0.35	6.4	1	87.00
54961	1/4"	0.70	6.4	1	87.00
54963	3/8"	0.023	6.4	1	87.00
54965	3/8"	0.07	9.6	1	123.00
54967	3/8"	0.35	9.6	1	123.00
54969	3/8"	0.70	9.6	1	123.00
549691	1/2"	0.023	9.6	1	123.00
54973	1/2"	0.07	12.7	1	179.00
54975	1/2"	0.35	12.7	1	179.00
54977	1/2"	0.70	12.7	1	179.00



54 9511



54 9511

NODVOL® Check Valve Made of High-Quality Steel

Cat. No.	For pipes outside Ø inch	Release pressure bar	Bore mm	Unit piece	Price Euro
54948	1/8"	0.07	3.2	1	202.00
54950	1/8"	0.35	3.2	1	202.00

Metals

THOMAFIUID® Industrial Hand Operated Slide Valve Made of Brass, Nickel-Plated – Light Design Type: RCT®-LCK 120

Product specification:

- Hand operated slide valve, at both sides fitted with G-internal thread (cylindrical)
- Slide valve made of plastics

Cat. No.	Internal thread inch	WAF mm	Height mm	Width mm	Unit piece	Price Euro
331202	G 1/8"	17	53	28	3	70.00
331203	G 1/4"	19	58	30	3	76.00
331204	G 3/8"	22	58	35	3	94.00
331205	G 1/2"	27	80	40	3	118.00
331206	G 3/4"	32	80	45	2	124.00

NODVOL® Check Valve Made of Brass and High-Quality Steel

General product specification:

NODVOL® Check Valve Made of High-Quality Steel

Cat. No.	For pipes outside Ø inch	Release pressure bar	Bore mm	Unit piece	Price Euro
54952	1/8"	0.70	3.2	1	202.00
54954	1/4"	0.023	3.2	1	202.00
54956	1/4"	0.07	6.4	1	202.00
54958	1/4"	0.35	6.4	1	202.00
54960	1/4"	0.70	6.4	1	202.00
54962	3/8"	0.023	6.4	1	202.00
54964	3/8"	0.07	9.6	1	274.00
54966	3/8"	0.35	9.6	1	274.00
54968	3/8"	0.70	9.6	1	274.00
54970	1/2"	0.023	9.6	1	274.00



54 948



54 948

54972	1/2"	0.07	12.7	1	287.00
54974	1/2"	0.35	12.7	1	287.00
54976	1/2"	0.70	12.7	1	287.00

Strainers

Plastics

THOMAFLUID® Strainers

Application areas:

- Process engineering and technology
- Chemical industry
- Transport of chemicals
- Desulfurization and denitrification systems
- Sewage purification
- Water purification
- Environmental technology
- Hygiene technology and sanitary engineering
- In the above mentioned areas they serve as safety and cleaning devices on containers, piping and pump systems.

General product specification:

- THOMAFLUID® strainers made of PVC-U, PP or PVDF are indispensable wherever the transport of soiled media is required. They reliably prevent operating troubles by catching contaminations from the medium. The strainers serve for plant protection ensuring avoidance of dirt deposits. They are metal-free, thus preventing media oxidation. The use of high-quality materials in housing and screen ensures break resistance and corrosion resistance. The disassembly without using tools allows a quick and easy cleaning. The strainers are of simple construction, thus maintenance-free and feature a long service life.

- Strainers protect sensitive components used in plants and sanitary engineering against contamination. The dirt is filtered out of the medium by a filter element (screen tube) with accordingly defined filtration rating.
- Leak-free cleaning of liquid and gaseous media.
- All medium-contacting parts are made of plastics with high resistance to chemicals. They are particularly suitable for applications where aggressive media are to be conveyed and blocked.
- The connection of PVC (polyvinyl chloride) fittings to piping is effected at the first application by adhesive bonding of the connections with the pipe, in the case of PP (polypropylene) and PVDF (polyvinylidene fluoride) fittings connection and pipe are welded together. Once the fittings are fixed to pipes, they can be easily removed from the pipe by disconnecting the screw joint.
- Strainer flat-seat valve with soft elastomer gasket
- Strainer O-ring serves for sealing of the housing upper part
- Chemical resistance of used materials:
Rigid PVC (polyvinyl chloride): Resistant to most alkalis, acids, salt solutions and water-miscible organic compounds. Not resistant to aromatic and chlorinated hydrocarbons.
Polybutene: Resistant to aqueous solutions of acids, salts, alkalis and a lot of organic solvents. Not resistant to concentrated, oxidizing acids.
PVDF (polyvinylidene fluoride): Resistant to acids, salt solutions, aliphatic and aromatic (chlorinated) hydrocarbons, halogenes and alcohols, but only of limited resistance to ketones, esters, ethers, and not usable for organic bases and alkalis.
PTFE (polytetrafluoroethylene): PTFE is resistant to most chemicals.
FPM (fluorinated rubber): High chemical resistance to all kinds of solvents. Not suitable for hot steam, organic acids and strong bases.
PP (polypropylene): Resistant to aqueous solutions of acids, salts, alkalis and a lot of organic solvents. Not resistant to concentrated, oxidizing acids.
FEP (tetrafluoroethylene / hexafluoropropylene copolymer): FEP is resistant to most chemicals.

General technical specification:

- **Material of housing:** rigid PVC, PP, PVDF (injection-molded)
- **Temperature range:**
PVC-U: +60 °C (constant); + 70 °C (for a short period)
Polybuton: +90 °C (constant); +100 °C (for a short period)
PVDF: +100 °C (constant); +150 °C (for a short period)
PTFE: +250 °C (constant); +300 °C (for a short period)
FPM: +150 °C (constant); +200 °C (for a short period)
PP: +90 °C (constant); +110 °C (for a short period)
FEP: +150 °C (constant); +220 °C (for a short period)
- **Connection:**
- The screw joints on both sides contain O-seals, insert parts and cap nuts. The fittings are supplied as complete unit with the screw joint. They are fitted with end fittings for fastening to pipes.

THOMAFLUID® PVC-U Strainers – transparent Type: THOMADUR-ST 10098

Product specification:

- Corrosion-resistant
- Good chemical resistance
- Self-extinguishing after removal of ignition source
- High mechanical stability
- Free of plasticizers, therefore physiologically indifferent
- Low tendency to stress cracking
- Increased impact resistance, but sensitive to impact in the cold

STRAINERS

Technical specification:

- **Material:**
Housing: PVC-U, transparent (rigid PVC, polyvinyl chloride)
Screen: PVC-U (rigid PVC, polyvinyl chloride)
Gasket (O-ring): EPDM (ethylene-propylene-diene rubber); FPM (fluorinated rubber)
- **Max. operating pressure:** up to DN 50 10 bar at +20 °C
- **Temperature range:** -10 to +60 °C
- **Screen insert:** mesh size: standard: 0.5 mm on request: 1.0; 1.5; 2.0 mm cementing spigot acc. DIN 8063, part 3 (size t)
- **Connection:**

Cat. No.	d mm	Nominal width mm	Max. operating pressure ¹ bar	Material of gaskets	Unit piece	Price Euro
350669	20	15	10	EPDM	1	72.00
350670	25	20	10	EPDM	1	86.00
350671	32	25	10	EPDM	1	112.00
350672	40	32	10	EPDM	1	136.00
350673	50	40	10	EPDM	1	166.00
350674	63	50	10	EPDM	1	206.00
350675	20	15	10	FPM	1	86.00
350676	25	20	10	FPM	1	98.00
350677	32	25	10	FPM	1	122.00
350678	40	32	10	FPM	1	148.00
350679	50	40	10	FPM	1	196.00
350680	63	50	10	FPM	1	234.00

¹ at +20 °C

THOMAFUID® PVC-U Strainers

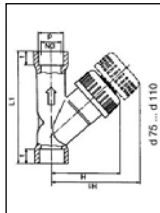
Type: THOMADUR-ST 10098

Product specification:

- Corrosion-resistant
- Good chemical resistance
- Self-extinguishing after removal of ignition source
- High mechanical stability



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- Free of plasticizers, therefore physiologically indifferent
- Low tendency to stress cracking
- Increased impact resistance, but sensitive to impact in the cold

Technical specification:

- **Material:**
Housing: PVC-U (rigid PVC, polyvinyl chloride)
Screen: PVC-U (rigid PVC, polyvinyl chloride)

Gasket (O-ring):

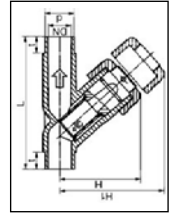
EPDM (ethylene-propylene-diene rubber); FPM (fluorinated rubber) gray, acc. RAL 7011

- **Color:**
- **Max. operating pressure:** up to DN 50 10 bar at +20 °C
- **Temperature range:** -10 to +60 °C
- **Screen insert:** mesh size: standard: 0.5 mm on request: 1.0; 1.5; 2.0 mm cementing spigot acc. DIN 8063, part 3 (size t)
- **Connection:**

Cat. No.	d mm	Nominal width mm	Max. operating pressure ¹ bar	Material of gaskets	Unit piece	Price Euro
350657	20	15	10	EPDM	1	72.00
350658	25	20	10	EPDM	1	82.00



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350659	32	25	10	EPDM	1	112.00
350660	40	32	10	EPDM	1	136.00
350661	50	40	10	EPDM	1	166.00
350662	63	50	10	EPDM	1	228.00
350663	20	15	10	FPM	1	84.00
350664	25	20	10	FPM	1	98.00
350665	32	25	10	FPM	1	120.00
350666	40	32	10	FPM	1	150.00
350667	50	40	10	FPM	1	196.00
350668	63	50	10	FPM	1	234.00

¹ at +20 °C

THOMAFUID® PVC-U Strainers – with Connection

Type: THOMAPLAST®-SS MUDCO-1

Product specification:

- The strainers are developed for mounting in PVC (polyvinyl chloride) piping.
- All valve parts are made of rigid PVC (polyvinyl chloride). The material does not contain plasticizers and meets the recommendations of the Federal Health Office (Federal Health Gazette 1964, No. 23).

Technical specification:

- **Material of gasket:** FPM (fluorinated rubber)
- **Complete with connection set:** PVC (polyvinyl chloride) connecting nuts, on both sides
PVC (polyvinyl chloride) insert parts, on both sides
PVC (polyvinyl chloride) screw-in components, on both sides
FPM (fluorinated rubber) O-rings, on both sides
- **Screen tube:** FEP (fluorinated ethylene-propylene) with mesh size alternatively 0.5; 1.0; 1.5 or 2 mm

THOMAFLUID® PVC-U Strainers – with Connection

Type: THOMAPLAST®-SS MUDCO-1

Cat. No.	d mm	Nominal width mm	L mm	L1 mm	Mesh size µm	Unit piece	Price Euro
303436	20	15	130	168	500	1	126.00
303437	20	15	130	168	1000	1	126.00
303438	20	15	130	168	1500	1	126.00
303439	20	15	130	168	2000	1	126.00
303440	25	20	150	194	500	1	132.00
303441	25	20	150	194	1000	1	132.00
303442	25	20	150	194	1500	1	132.00
303443	25	20	150	194	2000	1	132.00
303444	32	25	160	210	500	1	152.00
303445	32	25	160	210	1000	1	152.00



30 3436



30 3436

303446	32	25	160	210	1500	1	152.00
303447	32	25	160	210	2000	1	152.00
303448	40	32	180	238	500	1	180.00
303449	40	32	180	238	1000	1	180.00
303450	40	32	180	238	1500	1	180.00
303451	40	32	180	238	2000	1	180.00
303452	50	40	200	268	500	1	218.00
303453	50	40	200	268	1000	1	218.00
303454	50	40	200	268	1500	1	218.00
303455	50	40	200	268	2000	1	218.00
303456	63	50	230	312	500	1	252.00
303457	63	50	230	312	1000	1	252.00
303458	63	50	230	312	1500	1	252.00
303459	63	50	230	312	2000	1	252.00

THOMAFLUID® PP Strainers

Type: THOMAPROP-ST 10198

Product specification:

- Resistant to corrosion and hydrolysis
- Good temperature resistance
- Good chemical resistance
- Increased impact resistance, but embrittling at low temperatures
- Low tendency to stress cracking
- Not resistant to weather

Technical specification:

- Material:**
 - Housing: PP (polypropylene)
 - Screen: PP (polypropylene)
 - Gasket (O-ring): FPM (fluorinated rubber)
- Max. operating pressure:** up to DN 50 10 bar at +20 °C
- Temperature range:** +10 to +80 °C
- Screen insert:** mesh size: standard: 0.5 mm
on request: 1.0; 1.5; 2.0 mm

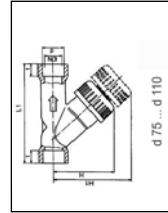
- Connection:** welding spigot acc. DIN 3442, shape S (size t)

Cat. No.	d mm	Nominal width mm	Max. operating pressure ¹ bar	Material of gaskets	Unit piece	Price Euro
350681	20	15	10	FPM	1	124.00
350682	25	20	10	FPM	1	130.00
350683	32	25	10	FPM	1	134.00
350684	40	32	10	FPM	1	158.00
350685	50	40	10	FPM	1	198.00
350686	63	50	10	FPM	1	278.00

¹ at +20 °C



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THOMAFLUID® PP Strainers – with Connection

Type: THOMAPLAST®-SS MUDCO-2

Product specification:

- The strainers are developed for mounting in PP (polypropylene) piping.
- All valve parts are made of PP (polypropylene)

Technical specification:

- Material of gasket:** FPM (fluorinated rubber)
- Complete with connection set:** PP (polypropylene) connecting nuts, on both sides
PP (polypropylene) insert parts, on both sides
FPM (fluorinated rubber) O-rings, on both sides
- Screen tube:** PP (polypropylene) with mesh size alternatively 0.5; 1.0; 1.5 or 2 mm

Cat. No.	d mm	Nominal width mm	L mm	L1 mm	Mesh size µm	Unit piece	Price Euro
303460	20	15	130	184	500	1	176.00
303461	20	15	130	184	1000	1	176.00
303462	20	15	130	184	1500	1	176.00
303463	20	15	130	184	2000	1	176.00
303464	25	20	150	212	500	1	186.00
303465	25	20	150	212	1000	1	186.00
303466	25	20	150	212	1500	1	186.00
303467	25	20	150	212	2000	1	186.00
303468	32	25	160	232	500	1	202.00
303469	32	25	160	232	1000	1	202.00
303470	32	25	160	232	1500	1	202.00
303471	32	25	160	232	2000	1	202.00

STRAINERS

THOMAFLOW® PP Strainers – with Connection

Type: THOMAPLAST®-SS MUDCO-2

Cat. No.	d mm	Nominal width mm	L mm	L1 mm	Mesh size µm	Unit piece	Price Euro
303472	40	32	180	264	500	1	220.00
303473	40	32	180	264	1000	1	220.00
303474	40	32	180	264	1500	1	220.00
303475	40	32	180	264	2000	1	220.00
303476	50	40	200	280	500	1	274.00
303477	50	40	200	280	1000	1	274.00
303478	50	40	200	280	1500	1	274.00
303479	50	40	200	280	2000	1	274.00
303480	63	50	230	348	500	1	354.00



30 3460 (see page 88)



30 3460 (see page 88)

303481	63	50	230	348	1000	1	354.00
303482	63	50	230	348	1500	1	354.00
303483	63	50	230	348	2000	1	354.00

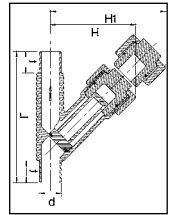
THOMAFLOW® PVDF Strainers

Type: THOMAPLAST-ST 10198

Cat. No.	d mm	Nominal width mm	Max. operating pressure ¹ bar	Material of gaskets	Unit piece	Price Euro
350688	25	20	10	FPM	1	334.00
350689	32	25	10	FPM	1	410.00
350690	40	32	10	FPM	1	496.00
350691	50	40	10	FPM	1	766.00
350692	63	50	10	FPM	1	1142.00

¹ at +20 °C

35 0687



35 0687

THOMAFLOW® PVDF Strainers – with Connection

Type: THOMAPLAST®-SS MUDCO-3

Product specification:

- The strainers are developed for mounting in PVDF (polyvinylidene fluoride) piping.
- All valve parts are made of PVDF (polyvinylidene fluoride).

Technical specification:

- Material of gasket:** FPM (fluorinated rubber)
- Complete with connection set:** PVDF (polyvinylidene fluoride) connecting nuts, on both sides
PVDF (polyvinylidene fluoride) insert parts, on both sides
FPM (fluorinated rubber) O-rings, on both sides
- Screen tube:** FEP (fluorinated ethylene-propylene) with mesh size alternatively 0.5; 1.0; 1.5 or 2 mm

Cat. No.	d mm	Nominal width mm	L mm	L1 mm	Mesh size µm	Unit piece	Price Euro
303484	20	15	130	184	500	1	246.00
303485	20	15	130	184	1000	1	246.00
303486	20	15	130	184	1500	1	246.00
303487	20	15	130	184	2000	1	246.00
303488	25	20	150	212	500	1	270.00
303489	25	20	150	212	1000	1	270.00
303490	25	20	150	212	1500	1	270.00
303491	25	20	150	212	2000	1	270.00
303492	32	25	160	232	500	1	332.00
303493	32	25	160	232	1000	1	332.00
303494	32	25	160	232	1500	1	332.00

THOMAFLOW® PVDF Strainers

Type: THOMAPLAST-ST 10198

Product specification:

- Corrosion- and UV-resistant
- Relatively high temperature resistance
- High chemical resistance
- High mechanical stability
- Increased impact resistance
- Low tendency to stress cracking

Technical specification:

- Material:**
Housing: PVDF (polyvinylidene fluoride)
Screen: FEP (fluorinated ethylene-propylene)
Gasket (O-ring): FPM (fluorinated rubber)
- Max. operating pressure:** up to DN 50 10 bar at +20 °C
- Temperature range:** -40 to +120 °C
- Screen insert:** mesh size: standard: 0.5 mm
on request: 1.0; 1.5; 2.0 mm
- Connection:** welding spigot acc. DIN 3442, shape S (size t)

Cat. No.	d mm	Nominal width mm	Max. operating pressure ¹ bar	Material of gaskets	Unit piece	Price Euro
350687	20	15	10	FPM	1	316.00

THOMAFUID® PVDF Strainers – with Connection**Type: THOMAPLAST®-SS MUDCO-3**

Cat. No.	d mm	Nominal width mm	L mm	L1 mm	Mesh size µm	Unit piece	Price Euro
303495	32	25	160	232	2000	1	332.00
303496	40	32	180	264	500	1	426.00
303497	40	32	180	264	1000	1	426.00
303498	40	32	180	264	1500	1	426.00
303499	40	32	180	264	2000	1	426.00
303500	50	40	200	280	500	1	588.00
303501	50	40	200	280	1000	1	588.00
303502	50	40	200	280	1500	1	588.00
303503	50	40	200	280	2000	1	588.00
303504	63	50	230	348	500	1	832.00



30 3484 (see page 89)



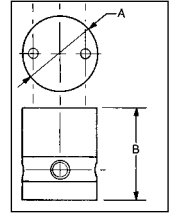
30 3484 (see page 89)

303505	63	50	230	348	1000	1	832.00
303506	63	50	230	348	1500	1	832.00
303507	63	50	230	348	2000	1	832.00

- **Max. temperature of medium:** -10 to +70 °C
- **Max. ambient temperature:** -10 to +70 °C
- **Gas pressure range:** vacuum to 2 bar
- **Liquid pressure range:** vacuum to 2 bar
- **Duty factor:** 100 % ED
- **Response time:** 5 ms
- **Control function:** normally closed (NC) / normally open (NO)
- **Power consumption:** approx. 1 Watt
- **Connection:** 10-32 UNF-thread
- **Construction size:** A = 19 mm, B = 29 mm

THOMAFUID® PTFE 2/2-Way Micro Solenoid Valve – Normally Closed (NC)

87 300 87 303



87 300 87 303

Technical specification:

- **Valve type:** 2/2-way poppet valve
- **Internal volume:** 15 µl
- **Control function:** normally closed (NC)

Cat. No.	Control voltage volt	Current strength A	Nominal width mm	Internal thread inch	Unit piece	Price Euro
87300	12=	0.08	0.8	UNF 10-32	1	307.00
87301	24=	0.04	0.8	UNF 10-32	1	307.00

Solenoid Valves**Plastics****THOMAFUID® PTFE Micro Solenoid Valves****General product specification:**

- Very small valves for applications, where high purity is absolutely required. The THOMAFUID® micro solenoid valves are constructed in the seating principle, the solenoid inner parts being separated from medium by a PTFE diaphragm.
- All medium-contacting components made of PTFE
- Long service life
- Small internal volume
- Short response time
- Very small construction size
- Low power consumption
- Zero dead volume
- Extremely light weight

General technical specification:

- **Material:**
 - Housing: steel (electrical part)
 - Valve body: PTFE
 - Gasket: PTFE
- **Mounting position:** optional
- **Media handled:** neutral and aggressive gases and liquids, no solid matters

THOMAFUID® PTFE 2/2-Way Micro Solenoid Valve – Normally Open (NO)**Technical specification:**

- **Valve type:** 2/2-way poppet valve
- **Internal volume:** 15 µl
- **Control function:** normally open (NO)

Cat. No.	Control voltage volt	Current strength A	Nominal width mm	Internal thread inch	Unit piece	Price Euro
87303	12=	0.08	0.8	UNF 10-32	1	328.00
87304	24=	0.04	0.8	UNF 10-32	1	328.00

THOMAFUID® PTFE 3/2-Way Micro Solenoid Valve – Normally Closed (NC)**Technical specification:**

- **Valve type:** 3/2-way poppet valve
- **Internal volume:** 30 µl

SOLENOID VALVES

- **Control function:** normally closed (NC)

Cat. No.	Control voltage volt	Current strength A	Nominal width mm	Internal thread inch	Unit piece	Price Euro
87307	12=	0.08	0.8	UNF 10-32	1	307.00
87308	24=	0.04	0.8	UNF 10-32	1	307.00

THOMAFUID® PTFE 2/2-Way Mini Solenoid Valve – Normally Closed (NC)

Technical specification:

- **Valve type:** 2/2-way poppet valve
- **Internal volume:** 60 µl for nominal width 1.6 mm
- **Control function:** normally closed (NC)

Cat. No.	A mm	B mm
87310	26	39
87311	26	39
87312	32	46
87313	32	46
87315	39	54
87316	39	54

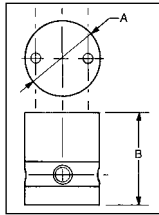
THOMAFUID® PTFE Mini Solenoid Valves

General product specification:

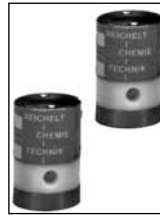
- Small valves for applications, where high purity is required, as well as for corrosive media. The THOMAFUID® mini solenoid



87 307

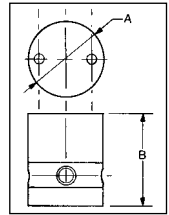


87 307



87 310

87 319



87 310

87 319

valves are constructed in the seating principle, the solenoid inner parts being separated from medium by a PTFE diaphragm.

- All medium-contacting components made of PTFE
- Long service life
- Small internal volume
- Short response time
- Small construction size
- Low power consumption
- Zero dead volume
- Extremely light weight

General technical specification:

- **Material:**
 - Housing: steel (electrical part)
 - Valve body: PTFE
 - Gasket: PTFE
- **Mounting position:** optional
- **Media handled:** neutral and aggressive gases and liquids, no solid matters
- **Max. temperature of medium:** -10 to +70 °C
- **Max. ambient temperature:** -10 to +70 °C
- **Gas pressure range:** vacuum to 2 bar
- **Liquid pressure range:** vacuum to 2 bar
- **Duty factor:** 100 % ED
- **Response time:**
 - 15 ms for nominal width 1.6 mm
 - 25 ms for nominal width 2.4 mm
 - 35 ms for nominal width 4 mm
- **Control function:** normally closed (NC) / normally open (NO)
- **Power consumption:**
 - approx. 1.5 Watt for nominal width 1.6 mm
 - 4.2 Watt for nominal width 2.4 mm
 - 7.2 Watt for nominal width 4 mm
- **Construction size:** see table

THOMAFUID® PTFE 2/2-Way Mini Solenoid Valve – Normally Open (NO)

Technical specification:

- **Valve type:** 2/2-way poppet valve
- **Internal volume:** 60 µl for nominal width 1.6 mm
- **Control function:** normally open (NO)

Cat. No.	A mm	B mm
87319	26	39
87320	26	39
87321	32	46
87322	32	46
87324	39	54
87325	39	54

Cat. No.	Control voltage volt	Current strength A	Nominal width mm	Internal thread inch	Unit piece	Price Euro
87319	12=	0.13	1.6	UNF 1/4"-28	1	430.00
87320	24=	0.06	1.6	UNF 1/4"-28	1	430.00
87321	12=	0.4	2.4	UNF 1/4"-28	1	548.00

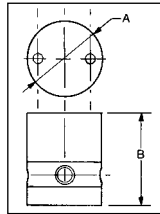
THOMAFLUID® PTFE 2/2-Way Mini Solenoid Valve – Normally Open (NO)

Cat. No.	Control voltage volt	Current strength A	Nominal width mm	Internal thread inch	Unit piece	Price Euro
87322	24=	0.18	2.4	UNF 1/4"-28	1	548.00
87324	12=	0.6	4.0	NPT 1/8"	1	681.00
87325	24=	0.3	4.0	NPT 1/8"	1	681.00

THOMAFLUID® PTFE 3/2-Way Mini Solenoid Valve – Normally Closed (NC)



87 329



87 329

Technical specification:

- **Valve type:** 3/2-way poppet valve
- **Internal volume:** 87 µl for nominal width 1.6 mm
- **Control function:** normally closed (NC)

Cat. No.	A mm	B mm
87329	26	39
87330	26	39
87331	32	46
87332	32	46
87334	39	54
87335	39	54

Cat. No.	Control voltage volt	Current strength A	Nominal width mm	Internal thread inch	Unit piece	Price Euro
87329	12=	0.13	1.6	UNF 1/4"-28	1	415.00
87330	24=	0.06	1.6	UNF 1/4"-28	1	415.00
87331	12=	0.4	2.4	UNF 1/4"-28	1	507.00
87332	24=	0.18	2.4	UNF 1/4"-28	1	507.00
87334	12=	0.6	4.0	NPT 1/8"	1	660.00
87335	24=	0.3	4.0	NPT 1/8"	1	660.00

THOMAFLUID® PTFE 6/2-Way Mini Solenoid Valve – Normally Closed (NC)

Product specification:

- The THOMAFLUID® 6/2-way mini solenoid valve is a double 3/2-way solenoid valve and may replace two 3/2-way solenoid valves. The 6/2-way mini solenoid valve operates with one single solenoid and is thus suitable for systems where two valves have to work simultaneously. The valves are constructed in the

seating principle, the solenoid inner parts being separated from medium by a PTFE diaphragm.

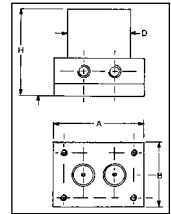
- All medium-contacting components made of PTFE
- Long service life
- Short response time
- Small construction size
- Low power consumption
- Zero dead volume

Technical specification:

- **Material:**
Housing: steel (electrical part)
Valve body: PTFE
Gasket: PTFE
- **Valve type:** 6/2-way poppet valve
- **Mounting position:** optional



87 339



87 339

- **Media handled:** neutral and aggressive gases and liquids, no solid matters
- **Max. temperature of medium:** -10 to +70 °C
- **Max. ambient temperature:** -10 to +70 °C
- **Max. operating pressure:**
Gases: 2 bar
Liquids: 2 bar
- **Duty factor:** 100 % ED
- **Response time:** 25 ms for nominal width 1.6 mm, 35 ms for nominal width 2.4 mm
- **Control function:** normally closed (NC)
- **Power consumption:** 4.2 Watt for nominal width 1.6 mm
7.2 Watt for nominal width 2.4 mm
- **Construction size:** see table

Cat. No.	A mm	B mm	D mm	H mm
87339	46	32	32	46
87340	46	32	32	46
87342	59	39	39	54
87343	59	39	39	54

Cat. No.	Control voltage volt	Current strength A	Nominal width mm	Internal thread inch	Unit piece	Price Euro
87339	12=	0.4	1.6	UNF 1/4"-28	1	696.00
87340	24=	0.18	1.6	UNF 1/4"-28	1	696.00
87342	12=	0.6	2.4	NPT 1/8"	1	1151.00
87343	24=	0.3	2.4	NPT 1/8"	1	1151.00

SOLENOID VALVES

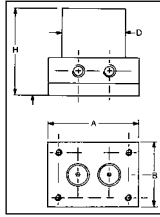
THOMAFLUID® PTFE 9/2-Way Mini Solenoid Valve – Normally Closed (NC)

Product specification:

- The THOMAFLUID® 9/2-way mini solenoid valve may replace three 3/2-way solenoid valves. The 9/2-way mini solenoid valve operates with one single solenoid and is thus suitable for systems where three valves have to work simultaneously. The valves are constructed in the seating principle, the solenoid inner parts being separated from medium by a PTFE diaphragm.
- All medium-contacting components made of PTFE
- Long service life
- Short response time
- Small construction size
- Low power consumption
- Zero dead volume



87 347



87 347

- Extremely light weight

Technical specification:

- **Material:**
Housing: steel (electrical part)
Valve body: PTFE
Gasket: PTFE
- **Valve type:** 9/2-way poppet valve
- **Mounting position:** optional
- **Media handled:** neutral and aggressive gases and liquids, no solid matters
- **Max. temperature of medium:** -10 to +70 °C
- **Max. ambient temperature:** -10 to +70 °C
- **Max. operating pressure:**
Gases: vacuum to 2 bar
Liquids: vacuum to 2 bar
- **Duty factor:** 100 % ED
- **Response time:** 25 ms for nominal width 1.6 mm, 35 ms for nominal width 2.4 mm
- **Control function:** normally closed (NC)
- **Power consumption:** 4.2 Watt for nominal width 1.6 mm
7.2 Watt for nominal width 2.4 mm
- **Construction size:** see table

Cat. No.	B mm	D mm	H mm
87347	45	32	49
87348	45	32	49
87350	51	39	54
87351	51	39	54

THOMAFLUID® PTFE 9/2-Way Mini Solenoid Valve – Normally Closed (NC)

Cat. No.	Control voltage volt	Current strength A	Nominal width mm	Internal thread inch	Unit piece	Price Euro
87347	12=	0.4	1.6	UNF 1/4"-28	1	1166.00
87348	24=	0.18	1.6	UNF 1/4"-28	1	1166.00
87350	12=	0.6	2.4	NPT 1/8"	1	1289.00
87351	24=	0.3	2.4	NPT 1/8"	1	1289.00

THOMAFLUID® PVC-U 2/2-Way Solenoid Valve – Direct Acting Type: THOMAFLUOR-ST 13498

Product specification:

- Direct acting, small solenoid valve made of plastic for many applications in industry and plant construction. The valve is also suitable for aggressive liquids and gases (no compressed air) due to its high chemical resistance. In a deenergized state, the valve is closed by spring force. When energized, the plunger moves upwards, raising the diaphragm connected to it and allowing the medium to flow. The elastomer diaphragms reliably separate the medium from the plunger or from the atmosphere. The coil is 360° adjustable against the valve body. The pressure and liquid tightness of the valve housing even during disassembly of the solenoid coil ensures operating safety.

Technical specification:

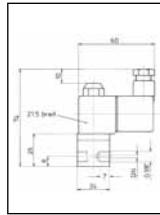
- **Material:**
Housing: PVC-U (rigid PVC, polyvinyl chloride)
Diaphragm: EPDM (ethylene-propylene-diene rubber); FPM (fluorinated rubber)
- **Media handled:** neutral and aggressive gases and liquids
- **Viscosity:** up to approx. 37 mm²/sec (cSt)
- **Max. operating pressure:** DN 1.0: 6 bar
DN 1.5: 4 bar
DN 2.0: 2 bar
DN 2.5: 0 - 1 bar
- **Max. temperature of medium:** PVC-U: up to +60 °C
EPDM: up to +110 °C
FPM: up to +110 °C
- **Max. ambient temperature:** +50 °C
- **Mounting position:** optional (coil preferably in upright position)
- **Control function:** normally closed (NC)
- **Operating voltage:** 220 V / 50 Hz or 24 V=
- **Switching time:** opening: 40 - 50 ms; closing: 40 - 50 ms
- **Duty factor:** 100 %
- **Power consumption:** 4.5 W
- **Protection category:** IP 65
- **Electrical connection:** flat plug 6.3 x 0.8 for rectangular plug socket acc. DIN 46248
- **Weight:** 130 g
- **Connection:** internal thread G 1/8"

THOMAFLUID® PVC-U 2/2-Way Solenoid Valve – Direct Acting Type: THOMAFLUOR-ST 13498

Cat. No.	Nominal width mm	Internal thread inch	Max. operating pressure ¹ bar	Material of diaphragm	Control voltage volt	Unit piece	Price Euro
350887	1	G 1/8"	6	EPDM	230~	1	166.00
350888	1.5	G 1/8"	4	EPDM	230~	1	166.00
350889	2	G 1/8"	2	EPDM	230~	1	166.00
350890	2.5	G 1/8"	1	EPDM	230~	1	166.00
350891	1	G 1/8"	6	EPDM	24=	1	166.00
350892	1.5	G 1/8"	4	EPDM	24=	1	166.00
350893	2	G 1/8"	2	EPDM	24=	1	166.00
350894	2.5	G 1/8"	1	EPDM	24=	1	166.00



35 0887

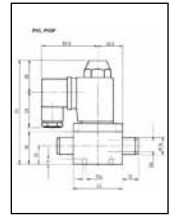


35 0887

- **Media handled:** neutral and aggressive gases and liquids
- **Viscosity:** up to approx. 37 mm²/sec (cSt)
- **Max. operating pressure:** DN 2: 6.0 bar
DN 4: 4.0 bar
DN 6: 2.0 bar
- **Max. temperature of medium:** PVC-U: up to +60 °C
EPDM: up to +110 °C
FPM: up to +110 °C
- **Max. ambient temperature:** +50 °C
- **Mounting position:** optional (coil preferably in upright position)
- **Control function:** normally closed (NC)
- **Operating voltage:** 220 V / 50 Hz or 24 V=
- **Switching time:** opening: 30 - 40 ms; closing: 40 - 50 ms



35 0954



35 0954

350895	1	G 1/8"	6	FPM	230~	1	172.00
350896	1.5	G 1/8"	4	FPM	230~	1	172.00
350897	2	G 1/8"	2	FPM	230~	1	172.00
350898	2.5	G 1/8"	1	FPM	230~	1	172.00
350899	1	G 1/8"	6	FPM	24=	1	172.00
350900	1.5	G 1/8"	4	FPM	24=	1	172.00
350901	2	G 1/8"	2	FPM	24=	1	172.00
350902	2.5	G 1/8"	1	FPM	24=	1	172.00

¹ at +20 °C

- **Duty factor:** 100 %
- **Power consumption:** 12.5 VA
- **Protection category:** IP 65
- **Electrical connection:** plug socket Pg 9 acc.
DIN 43650
- **Weight:** 350 g
- **Connection:** cementing spigot

THOMAFLUID® PVC-U 2/2-Way Solenoid Valve – Direct Acting, Liquid-Damped Type: THOMAFLUOR-ST 13598

Product specification:

- Direct acting, liquid-damped solenoid valve made of plastic for many applications in industry and plant construction. In a deenergized state, the valve is closed by spring force. When energized, the plunger moves upwards, raising the diaphragm connected to it and allowing the medium to flow. The liquid filling (with silicone oil as standard) supports the closing effect of the spring. Therefore the valve is also suitable for closed systems with counterpressure. The elastomer diaphragm reliably separates the medium from the plunger or from the atmosphere and is also suitable for aggressive liquids and gases due to its high chemical resistance. The coil is 360° adjustable against the valve body. The pressure and liquid tightness of the valve housing even during disassembly of the solenoid coil ensures operating safety.

Technical specification:

- **Material:**
Housing: PVC-U (rigid PVC, polyvinyl chloride)
Diaphragm: EPDM (ethylene-propylene-diene rubber); FPM (fluorinated rubber)

Cat. No.	Nominal width mm	Connection size mm	Max. operating pressure ¹ bar	Material of diaphragm	Control voltage volt	Unit piece	Price Euro
350954	2	16	6	EPDM	230~	1	246.00
350955	4	16	4	EPDM	230~	1	246.00
350956	6	16	2	EPDM	230~	1	246.00
350957	2	16	6	EPDM	24=	1	246.00
350958	4	16	4	EPDM	24=	1	246.00
350959	6	16	2	EPDM	24=	1	246.00
350960	2	16	6	FPM	230~	1	252.00
350961	4	16	4	FPM	230~	1	252.00
350962	6	16	2	FPM	230~	1	252.00
350963	2	16	6	FPM	24=	1	252.00
350964	4	16	4	FPM	24=	1	252.00
350965	6	16	2	FPM	24=	1	252.00

¹ at +20 °C

THOMAFLUID® PVC-U 2/2-Way Solenoid Valve – Direct Acting Type: THOMAFLUOR-ST 13798

Product specification:

- Direct acting, solenoid valve made of plastic with PTFE (polytetrafluoroethylene) bellows for many applications in industry and plant construction. The valve is also suitable for aggressive liquids and gases due to its high chemical resistance. In a deener-

SOLENOID VALVES

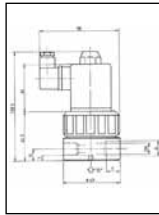
gized state, the valve is closed by spring force. When energized, the plunger moves upwards, raising the bellows connected to it and allowing the medium to flow. The PTFE bellows reliably separates the medium from the plunger or from the atmosphere. An elastomer cap placed on the bellows in the valve seat guarantees a high sealing effect. The coil is 360° adjustable against the valve body. The pressure and liquid tightness of the valve housing even during disassembly of the solenoid coil ensures operating safety.

Technical specification:

- **Material:**
Housing: PVC-U (rigid PVC, polyvinyl chloride)
Bellows: PTFE (polytetrafluoroethylene)
Gaskets (O-ring, sealing cap): EPDM (ethylene-propylene-diene rubber)
FPM (fluorinated rubber)



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- **Media handled:** neutral and aggressive gases and liquids
- **Viscosity:** up to approx. 38 mm²/sec (cSt)
- **Max. operating pressure:** DN 10: 2.0 bar
DN 15: 1.0 bar
DN 20: 0.5 bar
- **Max. temperature of medium:** PVC-U: up to +60 °C
EPDM: up to +110 °C
FPM: up to +110 °C
- **Max. ambient temperature:** +50 °C
- **Mounting position:** optional (coil preferably in upright position)
- **Control function:** normally closed (NC)
- **Operating voltage:** 220 V / 50 Hz or 24 V=
- **Switching time:** opening: 30 - 40 ms; closing: 40 - 50 ms
- **Duty factor:** 100 %
- **Power consumption:** 9.5 W
- **Protection category:** IP 65
- **Electrical connection:** plug socket Pg 9 acc. DIN 43560
- **Weight:** 825 g
- **Connection:** cementing socket (OD 16, 20, 25 mm)

Cat. No.	Nominal width mm	For pipes outside Ø mm	Max. operating pressure ¹ bar	Material of gaskets	Control voltage volt	Unit piece	Price Euro
350919	10	16	2	EPDM	230~	1	386.00
350920	15	20	1	EPDM	230~	1	386.00
350921	20	25	0.5	EPDM	230~	1	386.00
350922	10	16	2	EPDM	24=	1	386.00
350923	15	20	1	EPDM	24=	1	386.00
350924	20	25	0.5	EPDM	24=	1	386.00

THOMAFUID® PVC-U 2/2-Way Solenoid Valve – Direct Acting

Type: THOMAFUOR-ST 13798

Cat. No.	Nominal width mm	For pipes outside Ø mm	Max. operating pressure ¹ bar	Material of gaskets	Control voltage volt	Unit piece	Price Euro
350925	10	16	2	FPM	230~	1	392.00
350926	15	20	1	FPM	230~	1	392.00
350927	20	25	0.5	FPM	230~	1	392.00
350928	10	16	2	FPM	24=	1	392.00
350929	15	20	1	FPM	24=	1	392.00
350930	20	25	0.5	FPM	24=	1	392.00

¹ at +20 °C

THOMAFUID® PP 2/2-Way Solenoid Valve – Direct Acting

Type: THOMAFUOR-ST 13798

Product specification:

- Direct acting, solenoid valve made of plastic with PTFE (polytetrafluoroethylene) bellows for many applications in industry and plant construction. The valve is also suitable for aggressive liquids and gases due to high chemical resistance of all materials. In a deenergized state, the valve is closed by spring force. When energized, the plunger moves upwards, raising the bellows connected to it and allowing the medium to flow. The PTFE bellows reliably separates the medium from the plunger or from the atmosphere. An elastomer cap placed on the bellows in the valve seat guarantees a high sealing effect. The coil is 360° adjustable against the valve body. The pressure and liquid tightness of the valve housing even during disassembly of the solenoid coil ensures operating safety.

Technical specification:

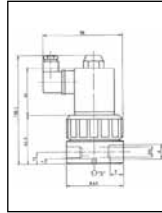
- **Material:**
Housing: PP (polypropylene)
Bellows: PTFE (polytetrafluoroethylene)
Gaskets (O-ring, sealing cap): EPDM (ethylene-propylene-diene rubber)
FPM (fluorinated rubber)
- **Media handled:** neutral and aggressive gases and liquids
- **Viscosity:** up to approx. 38 mm²/sec (cSt)
- **Max. operating pressure:** DN 10: 2.0 bar
DN 15: 1.0 bar
DN 20: 0.5 bar
- **Max. temperature of medium:** PP: up to +80 °C
PTFE: up to +110 °C
EPDM: up to +110 °C
FPM: up to +110 °C
- **Max. ambient temperature:** +50 °C
- **Mounting position:** optional (coil preferably in upright position)
- **Control function:** normally closed (NC)
- **Operating voltage:** 220 V / 50 Hz or 24 V=
- **Switching time:** opening: 30 - 40 ms; closing: 40 - 50 ms
- **Duty factor:** 100 %
- **Power consumption:** 9.5 W
- **Protection category:** IP 65
- **Electrical connection:** plug socket Pg 9 acc. DIN 43560

- **Weight:** 825 g
- **Connection:** welded socket

Cat. No.	Nominal width mm	For pipes outside Ø mm	Max. operating pressure ¹ bar	Material of gaskets	Control voltage volt	Unit piece	Price Euro
350931	10	16	2	EPDM	230~	1	444.00
350932	15	20	1	EPDM	230~	1	444.00
350933	20	25	0.5	EPDM	230~	1	444.00
350934	10	16	2	EPDM	24=	1	444.00
350935	15	20	1	EPDM	24=	1	444.00
350936	20	25	0.5	EPDM	24=	1	444.00
350937	10	16	2	FPM	230~	1	456.00
350938	15	20	1	FPM	230~	1	456.00
350939	20	25	0.5	FPM	230~	1	456.00
350940	10	16	2	FPM	24=	1	456.00



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350941	15	20	1	FPM	24=	1	456.00
350942	20	25	0.5	FPM	24=	1	456.00

¹ at +20 °C

THOMAFLUID® PVDF 3/2-Way Solenoid Valves

System: NODVOL®-AS 2130

Application areas:

- Operating of conveying lines for corrosive, liquid, and gaseous media in the areas of chemical laboratory technology and chemical engineering, measurement and control engineering, precision machine construction, and for experimental, pilot and production plants.

Product specification:

- Pressure-loadable solenoid valves of particularly small dimensions, made of duty plastic material PVDF, maintenance-free, medium-contacting components metal-free; direct acting, normally closed poppet valve.

Technical specification:

- **Material**
valve body: PVDF (polyvinylidene fluoride)
gasket: EPDM, FPM or FFKM
- **Valve type:** poppet valve
- **Weight:** < 120 g
- **Switching voltage:** alternatively 12 or 24 VDC
- **Control function:** normally closed (NC)
- **Duty factor:** up to 100 %
- **Power consumption:** < 5 W
- **Switching time:** 8 - 15 ms
- **Electrical connection:** plug socket acc. DIN 43650C
- **Protection category:** IP 65
- **Max. temperature of medium:** -15 to +100 °C

- **Max. ambient temperature:** +50 °C
- **Mounting position:** optional
- **Pipe connection:** internal thread UNF 1/4" - 28
- **Max. operating pressure:** 3.5 - 7 bar
- **Max. back pressure:** 1.2 bar
- **Dimensions:** 32 x 25 x 72 mm (LxWxH)

Cat. No.	Control voltage volt	Internal thread inch	Nominal width mm	Max. operating pressure ¹ bar	Material of gaskets	Dimension LxWxH mm	Unit piece	Price Euro
339663	12=	UNF 1/4"-28	1.6	7	EPDM	32x25x72	1	332.00
339664	24=	UNF 1/4"-28	1.6	7	EPDM	32x25x72	1	332.00
339665	12=	UNF 1/4"-28	1.6	7	FPM	32x25x72	1	364.00
339666	24=	UNF 1/4"-28	1.6	7	FPM	32x25x72	1	364.00
339667	12=	UNF 1/4"-28	1.6	7	FFKM	32x25x72	1	442.00



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339668	24=	UNF 1/4"-28	1.6	7	FFKM	32x25x72	1	442.00
339669	12=	UNF 1/4"-28	2.0	5	EPDM	32x25x72	1	332.00
339670	24=	UNF 1/4"-28	2.0	5	EPDM	32x25x75	1	332.00
339671	12=	UNF 1/4"-28	2.0	5	FPM	32x25x75	1	364.00
339672	24=	UNF 1/4"-28	2.0	5	FPM	32x25x75	1	364.00
339673	12=	UNF 1/4"-28	2.0	5	FFKM	32x25x75	1	442.00
339674	24=	UNF 1/4"-28	2.0	5	FFKM	32x25x75	1	442.00
339675	12=	UNF 1/4"-28	2.4	3.5	EPDM	32x25x72	1	332.00
339676	24=	UNF 1/4"-28	2.4	3.5	EPDM	32x25x72	1	332.00
339677	12=	UNF 1/4"-28	2.4	3.5	FPM	32x25x72	1	364.00
339678	24=	UNF 1/4"-28	2.4	3.5	FPM	32x25x72	1	364.00
339679	12=	UNF 1/4"-28	2.4	3.5	FFKM	32x25x72	1	442.00
339680	24=	UNF 1/4"-28	2.4	3.5	FFKM	32x25x72	1	442.00

¹ at +20 °C

THOMAFLUID® PVDF 2/2-Way Compact Valves

Type: NODVOL®-TREK 1272

Application areas:

- Switching valve for pressure or vacuum conveying systems for problematic liquid media, to be used as single valve or ranged to a valve block.

Product specification:

- Direct acting 2/2-way rocker valve with elastomeric separating diaphragm as bulkhead and for thermal decoupling of drive and medium, in normal position (currentless) alternatively open or closed, compact construction, low dead volume, chemically sterilizable.

Technical specification:

- **Material:**
Valve housing: PVDF
Diaphragm: perfluoroelastomer FFKM
Solenoid housing: PA
- **Nominal width:** 1.5 - 1.6 mm

SOLENOID VALVES

- **Internal volume:** < 85 µl
- **Connection:** G 1/8", NPT 1/8" or tubing connection DN 3
- **Mounting position:** optional
- **Max. temperature of medium:** -10 to +55 °C
- **Max. ambient temperature:** +50 °C
- **Max. operating pressure:** 2 bar
- **Vacuum:** 0.5 bar
- **K_v-value:** 0.06 m³/h (water); 0.65 l/h (air)
- **Operating voltage:** 12 or 24 V=, voltage tolerance ±10 %
- **Power consumption:** 3.4 Watt
- **Electr. wiring:** 2 FEP litz wires 0.2 mm², 500 mm long
- **Switching time:** approx. 25 ms
- **Operating display:** by LED
- **Operating frequency:** up to 300/min
- **Nominal operation:** continuous operation 100% ED
- **At block mounting:** ambient and medium temperatures > +40 °C: periodic duty 40 % (10 min.)
- **Dimensions:** 56 x 16 x 27 mm

Cat. No.	Control voltage volt	Control function	Connection size mm/inch	Unit piece	Price Euro
49108	12=	normally open (NO)	G 1/8"	1	244.00
49109	12=	normally open (NO)	NPT 1/8"	1	244.00
49110	12=	normally open (NO)	2.5 x 3.6 mm	1	244.00
49111	24=	normally open (NO)	G 1/8"	1	244.00
49112	24=	normally open (NO)	NPT 1/8"	1	244.00
49113	24=	normally open (NO)	2.5 x 3.6 mm	1	244.00
49816	220~240~	normally open (NO)	G 1/8"	1	244.00
49817	220~240~	normally open (NO)	NPT 1/8"	1	244.00
49818	220~240~	normally open (NO)	2.5 x 3.6 mm	1	244.00
49114	12=	normally closed (NC)	G 1/8"	1	244.00
49115	12=	normally closed (NC)	NPT 1/8"	1	244.00
49116	12=	normally closed (NC)	2.5 x 3.6 mm	1	244.00
49117	24=	normally closed (NC)	G 1/8"	1	244.00
49118	24=	normally closed (NC)	NPT 1/8"	1	244.00
49119	24=	normally closed (NC)	2.5 x 3.6 mm	1	244.00
49819	220~240~	normally closed (NC)	G 1/8"	1	244.00
49820	220~240~	normally closed (NC)	NPT 1/8"	1	244.00



49 108



49 108

systems for problematic liquid media, for use as single valve or ranged to a valve block.

Product specification:

- Direct acting 3/2-way rocker valve with elastomeric separating diaphragm as bulkhead and for thermal decoupling of drive and medium. Compact construction, low dead volume, chemically sterilizable.

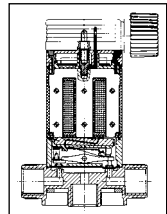
Technical specification:

- **Material:**
Valve housing: PVDF
Diaphragm: perfluoroelastomer FFKM
Solenoid housing: PA
- **Nominal width:** 1.5 – 1.6 mm
- **Internal volume:** < 85 µl
- **Connection:** G 1/8", NPT 1/8" or tubing connection DN 3
- **Mounting position:** optional
- **Max. temperature of medium:** -10 to +55 °C
- **Max. ambient temperature:** +50 °C
- **Max. operating pressure:** 2 bar
- **Vacuum:** 0.5 bar
- **K_v-value:** 0.06 m³/h (water); 0.65 l/h (air)
- **Operating voltage:** 12 or 24 V=, voltage tolerance ±10 %
- **Power consumption:** 3.4 Watt
- **Electr. wiring:** 2 FEP litz wires 0.2 mm², 500 mm long
- **Switching time:** approx. 25 ms
- **Operating display:** by LED
- **Operating frequency:** up to 300/min
- **Nominal operation:** continuous operation 100% ED
- **At block mounting:** ambient and medium temperatures > +40 °C: periodic duty 40 % (10 min.)
- **Dimensions:** 56 x 16 x 27 mm

Cat. No.	Control voltage volt	Connection size mm/inch	Unit piece	Price Euro
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49821	220~240~	normally closed (NC)	2.5 x 3.6 mm	1	244.00
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49979	12=	G 1/8"	1	244.00
49980	12=	NPT 1/8"	1	244.00
49981	12=	2.5 x 3.6 mm	1	244.00
49982	24=	G 1/8"	1	244.00
49983	24=	NPT 1/8"	1	244.00
49984	24=	2.5 x 3.6 mm	1	244.00
49822	220~240~	G 1/8"	1	244.00
49823	220~240~	NPT 1/8"	1	244.00
49824	220~240~	2.5 x 3.6 mm	1	244.00

THOMAFLUID® PVDF 3/2-Way Compact Valve

Type: NODVOL®-TREK 1272

Application areas:

- Mixing and/or distributing valve for pressure or vacuum delivery

THOMAFLUID® PVDF 2/2-Way Solenoid Valve – Direct Acting, Liquid-Damped Type: THOMAFLUOR-ST 13598

Product specification:

- Direct acting, liquid-damped solenoid valve made of plastic for many applications in industry and plant construction. In a deenergized state, the valve is closed by spring force. When energized, the plunger moves upwards, raising the diaphragm connected to it and allowing the medium to flow. The liquid filling (with silicone oil as standard) supports the closing effect of the spring. Therefore the valve is also suitable for closed systems with counterpressure.
- The elastomer diaphragm reliably separates the medium from the plunger or from the atmosphere and is also suitable for aggressive liquids and gases due to its high chemical resistance. The coil is 360° adjustable against the valve body. The pressure and liquid tightness of the valve housing even during disassembly of the solenoid coil ensures operating safety.

Technical specification:

- **Material:**
 - Housing: PVDF (polyvinylidene fluoride)
 - Diaphragm: EPDM (ethylene-propylene-diene rubber); FPM (fluorinated rubber)
- **Media handled:** neutral and aggressive gases and liquids
- **Viscosity:** up to approx. 37 mm²/sec (cSt)
- **Max. operating pressure:**
 - DN 2: 6.0 bar
 - DN 4: 4.0 bar
 - DN 6: 2.0 bar
- **Max. temperature of medium:**
 - PVDF: up to +110 °C
 - EPDM: up to +110 °C
 - FPM: up to +110 °C
- **Max. ambient temperature:** +50 °C
- **Mounting position:** optional (coil preferably in upright position)
- **Control function:** normally closed (NC)
- **Operating voltage:** 220 V / 50 Hz or 24 V=
- **Switching time:** opening: 30 - 40 ms; closing: 40 - 50 ms
- **Duty factor:** 100 %
- **Power consumption:** 12.5 VA
- **Protection category:** IP 65
- **Electrical connection:** plug socket Pg 9 acc. DIN 43650
- **Weight:** 350 g
- **Connection:** fittings for butt welding and socket welding

Cat. No.	Nominal width mm	Connection size mm	Max. operating pressure ¹ bar	Material of diaphragm	Control voltage volt	Unit piece	Price Euro
350966	2	16	6	EPDM	230~	1	266.00
350967	4	16	4	EPDM	230~	1	266.00
350968	6	16	2	EPDM	230~	1	266.00
350969	2	16	6	EPDM	24=	1	266.00
350970	4	16	4	EPDM	24=	1	266.00
350971	6	16	2	EPDM	24=	1	266.00
350972	2	16	6	FPM	230~	1	272.00
350973	4	16	4	FPM	230~	1	272.00
350974	6	16	2	FPM	230~	1	272.00
350975	2	16	6	FPM	24=	1	272.00
350976	4	16	4	FPM	24=	1	272.00
350977	6	16	2	FPM	24=	1	272.00

¹ at +20 °C

THOMAFLUID® PVDF 2/2-Way Macro Solenoid Valves for Critical Media System: NODVOL®-BST 8208-0/MME

Application areas:

- Operation of conveying lines for aggressive or soiled liquid or gaseous media in laboratory and pilot plant areas.

Product specification:

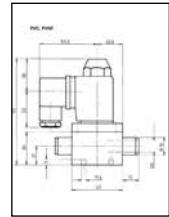
- Pressure and temperature-loadable, electrically controlled 2/2-way duty valve for higher flow rates, compact design, by corrugated bellows electromagnetically operated poppet valves; all medium-contacting parts made of chemically inert and bio-compatible plastic materials, unsusceptible to settlements.

Technical specification:

• Material:



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Housing:

Seat seal:

Bellows:

PVDF

PTFE

PTFE

• Nominal width:

3 - 8 mm

• Connection of conveying line:

G 1/4" or G 3/8"

• Flow direction:

determined

• Max. temperature of medium:

-10 to +110 °C

• Max. ambient temperature:

+50 °C

The sum of ambient and media temperature should not exceed +130 °C.

• Control function:

normally closed (NC)

• Operating voltage:

24 V=; 24 V~ or 230 V~; each ±10 %

Alternating current version (50 Hz) fitted with integrated rectifier.

• Power consumption:

= 13 W (according to VDE at +20 °C)

• Duty factor:

100 %

• Protection class:

IP 65

• Mounting position:

optional

• Dimensions:

90 x 70 x 44 mm (L x W x H)

• Weight:

300 g

Cat. No.	Nominal width mm	Internal thread inch	Kv-value m ³ /h	Max. operating pressure ¹ bar	Control voltage volt	Unit piece	Price Euro
16042	3.0	G 1/4"	0.23	7	24=	1	306.00
340954	3.0	G 1/4"	0.23	7	230~	1	306.00
16043	3.0	G 3/8"	0.23	7	24=	1	306.00
340955	3.0	G 3/8"	0.23	7	230~	1	306.00
340956	4.5	G 1/4"	0.42	5	24=	1	306.00
340957	4.5	G 1/4"	0.42	5	230~	1	306.00
340958	4.5	G 3/8"	0.42	5	24=	1	306.00
340959	4.5	G 3/8"	0.42	5	230~	1	306.00

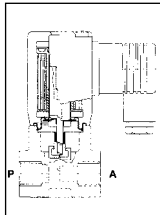
SOLENOID VALVES

**THOMAFUID® PVDF 2/2-Way Macro
Solenoid Valves for Critical Media
System: NODVOL®-BST 8208-0/MME**

Cat. No.	Nominal width mm	Internal thread inch	Kv-value m³/h	Max. operating pressure¹ bar	Control voltage volt	Unit piece	Price Euro
340960	6.0	G 1/4"	0.62	2	24=	1	306.00
340961	6.0	G 1/4"	0.62	2	230~	1	306.00
340962	6.0	G 3/8"	0.62	2	24=	1	306.00
340963	6.0	G 3/8"	0.62	2	230~	1	306.00
340964	8.0	G 1/4"	0.83	1	24=	1	306.00
340965	8.0	G 1/4"	0.83	1	230~	1	306.00
340966	8.0	G 3/8"	0.83	1	24=	1	306.00



16 042 (see page 98)



16 042 (see page 98)

- **Max. temperature of medium:** PTFE: up to +110 °C
EPDM: up to +110 °C
FPM: up to +110 °C
- **Max. ambient temperature:** +50 °C
- **Mounting position:** optional (coil preferably in upright position)
- **Control function:** normally closed (NC)
- **Operating voltage:** 220 V / 50 Hz or 24 V=
- **Switching time:** opening: 40 - 50 ms; closing: 40 - 50 ms
- **Duty factor:** 100 %
- **Power consumption:** 4.5 W
- **Protection category:** IP 65
- **Electrical connection:** flat plug 6.3 x 0.8 for rectangular plug socket acc. DIN 46248
- **Weight:** 130 g



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340967	8.0	G 3/8"	0.83	1	230~	1	306.00
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¹ at +20 °C

**THOMAFUID® PTFE 2/2-Way Solenoid
Valve – Direct Acting
Type: THOMAFUOR-ST 13498**
Product specification:

- Direct acting, small solenoid valve made of plastic for many applications in industry and plant construction. The highly corrosion-, UV- and weather-resistant housing material PTFE (polytetrafluoroethylene) allows the valve to be used also in outside areas. The valve is also suitable for aggressive liquids and gases due to its high chemical resistance. In a deenergized state, the valve is closed by spring force. When energized, the plunger moves upwards, raising the diaphragm connected to it and allowing the medium to flow. The elastomer diaphragm reliably separates the medium from the plunger or from the atmosphere. The coil is 360° adjustable against the valve body. The pressure and liquid tightness of the valve housing even during disassembly of the solenoid coil ensures operating safety.

Technical specification:

- **Material:**
Housing: PTFE (polytetrafluoroethylene)
Diaphragm: EPDM (ethylene-propylene-diene rubber), FPM (fluorinated rubber)
- **Media handled:** neutral and aggressive gases and liquids
- **Viscosity:** up to approx. 37 mm²/sec (cSt)
- **Max. operating pressure:**
DN 1.0: 6 bar
DN 1.5: 4 bar
DN 2.0: 2 bar
DN 2.5: 1 bar

- **Connection:** internal thread G 1/8"

Cat. No.	Nominal width mm	Internal thread inch	Max. operating pressure¹ bar	Material of diaphragm	Control voltage volt	Unit piece	Price Euro
350903	1	G 1/8"	6	EPDM	230~	1	188.00
350904	1.5	G 1/8"	4	EPDM	230~	1	188.00
350905	2	G 1/8"	2	EPDM	230~	1	188.00
350906	2.5	G 1/8"	1	EPDM	230~	1	188.00
350907	1	G 1/8"	6	EPDM	24=	1	188.00
350908	1.5	G 1/8"	4	EPDM	24=	1	188.00
350909	2	G 1/8"	2	EPDM	24=	1	188.00
350910	2.5	G 1/8"	1	EPDM	24=	1	188.00
350911	1	G 1/8"	6	FPM	230~	1	200.00
350912	1.5	G 1/8"	4	FPM	230~	1	200.00
350913	2	G 1/8"	2	FPM	230~	1	200.00
350914	2.5	G 1/8"	1	FPM	230~	1	200.00
350915	1	G 1/8"	6	FPM	24=	1	200.00
350916	1.5	G 1/8"	4	FPM	24=	1	200.00
350917	2	G 1/8"	2	FPM	24=	1	200.00
350918	2.5	G 1/8"	1	FPM	24=	1	200.00

¹ at +20 °C

**THOMAFUID® PTFE 2/2-Way Solenoid
Valve – Direct Acting, Liquid-Damped
Type: THOMAFUOR-ST 13598**
Product specification:

- Direct acting, liquid-damped, small solenoid valve made of plastic for many applications in industry and plant construction. The highly corrosion-, UV- and weather-resistant housing material PTFE (polytetrafluoroethylene) allows the valve to be used also in outside areas. In a deenergized state, the valve is closed by spring force. When energized, the plunger moves upwards, raising the diaphragm connected to it and allowing the medium to flow. The liquid filling (with silicone oil as standard) supports

the closing effect of the spring. Therefore the valve is also suitable for closed systems with counterpressure. The elastomer diaphragm reliably separates the medium from the plunger or from the atmosphere and is also suitable for aggressive liquids and gases due to its high chemical resistance. The coil is 360° adjustable against the valve body. The pressure and liquid tightness of the valve housing even during disassembly of the solenoid coil ensures operating safety.

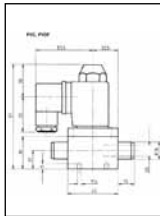
Technical specification:

- **Material:**
 - Housing: PTFE (polytetrafluoroethylene)
 - Diaphragm: EPDM (ethylene-propylene-diene rubber), FPM (fluorinated rubber)
- **Media handled:** neutral and aggressive gases and liquids
- **Viscosity:** up to approx. 37 mm²/sec (cSt)
- **Max. operating pressure:** DN 2: 6.0 bar
DN 4: 4.0 bar
DN 6: 2.0 bar
- **Max. temperature of medium:** PTFE: up to +110 °C
EPDM: up to +110 °C
FPM: up to +110 °C
- **Max. ambient temperature:** +50 °C
- **Mounting position:** optional (coil preferably in upright position)
- **Control function:** normally closed (NC)
- **Operating voltage:** 220 V / 50 Hz or 24 V=
- **Switching time:** opening: 30 - 40 ms; closing: 40 - 50 ms
- **Duty factor:** 100 %
- **Power consumption:** 12.5 VA
- **Protection category:** IP 65
- **Electrical connection:** plug socket Pg 9 acc. DIN 43650
- **Weight:** 350 g
- **Connection:** internal thread G 1/4"

Cat. No.	Nominal width mm	Internal thread inch	Max. operating pressure¹ bar	Material of diaphragm	Control voltage volt	Unit piece	Price Euro
350978	2	G 1/4"	6	EPDM	230~	1	266.00



35 0978



35 0978

350979	4	G 1/4"	4	EPDM	230~	1	266.00
350980	6	G 1/4"	2	EPDM	230~	1	266.00
350981	2	G 1/4"	6	EPDM	24=	1	266.00
350982	4	G 1/4"	4	EPDM	24=	1	266.00
350983	6	G 1/4"	2	EPDM	24=	1	266.00
350984	2	G 1/4"	6	FPM	230~	1	272.00
350985	4	G 1/4"	4	FPM	230~	1	272.00
350986	6	G 1/4"	2	FPM	230~	1	272.00
350987	2	G 1/4"	6	FPM	24=	1	272.00
350988	4	G 1/4"	4	FPM	24=	1	272.00
350989	6	G 1/4"	2	FPM	24=	1	272.00

¹ at +20 °C

THOMAFLUID® PTFE Solenoid Valves

General product specification:

- THOMAFLUID® solid PTFE solenoid valves are constructed in the seating principle, the solenoid parts being separated from medium by the PTFE bellows. The special shape of the sealing edges ensures high tightness. The electrical connection is made via a plug. The control head can be easily removed from the valve body by means of a cap nut. The extremely low effort for assembly is of great importance for cleaning of the valves. All medium-contacting parts are made of PTFE.
- Solenoid valves with a wattage of 5-6 watt are usually suitable for sensitive low-pressure analytical apparatuses. For all other applications as well as for working at higher pressure the 10-13 watt valves are recommended.

General technical specification:

- **Material:**
 - Housing: steel (electrical part)
 - Valve body: PTFE
 - Gasket: PTFE
- **Valve type:** diaphragm valve
- **Mounting position:** optional
- **Internal volume:** 0.3 ml
- **Media handled:** neutral and aggressive gases and liquids
- **Max. temperature of medium:** -50 to +100 °C
- **Max. ambient temperature:** -50 to +100 °C
- **Pressure range gases:** 0 - 2 bar
- **Pressure range liquids:** 0 - 2 bar
- **Duty factor:** 100 % ED
- **Operating time:** 20 - 25 ms
- **Protection category:** IP 54
- **Control function:** normally closed (NC)
- **Solenoid wattage:** 5 - 6 watt or 10 - 13 watt
- **Seat diameter:** 1.6; 3.2; 6.4; 9.5 mm
- **Connection:** 1/4"-28 UNF; 1/8" NPT, 1/4" NPT, 3/8" NPT
- **Application areas:** conveyance of neutral and aggressive gases and liquids
- **Life cycle:** 5 Mio. operations



86 122



86 122

THOMAFLUID® PTFE 2/2-Way Solenoid Valves – Wattage: 5 - 6 Watt

Technical specification:

- **Valve type:** 2/2-way diaphragm valve
- **Solenoid wattage:** 5 - 6 watt

Cat. No.	Control voltage volt	Nominal width mm	Internal thread inch	Unit piece	Price Euro
86122	12=	1.6	UNF 1/4"-28	1	379.00

SOLENOID VALVES

THOMAFLOW® PTFE 2/2-Way Solenoid Valves – Wattage: 5 - 6 Watt

Cat. No.	Control voltage volt	Nominal width mm	Internal thread inch	Unit piece	Price Euro
86123	24=	1.6	UNF 1/4"-28	1	379.00
86124	220~	1.6	UNF 1/4"-28	1	379.00
86125	12=	1.6	NPT 1/8"	1	379.00
86126	24=	1.6	NPT 1/8"	1	379.00
86127	220~	1.6	NPT 1/8"	1	379.00
86128	12=	3.2	NPT 1/8"	1	379.00
86129	24=	3.2	NPT 1/8"	1	379.00
86130	220~	3.2	NPT 1/8"	1	379.00
86131	12=	6.4	NPT 1/4"	1	537.00
86132	24=	6.4	NPT 1/4"	1	537.00
86133	220~	6.4	NPT 1/4"	1	537.00
86134	12=	9.5	NPT 3/8"	1	537.00
86135	24=	9.5	NPT 3/8"	1	537.00
86136	220~	9.5	NPT 3/8"	1	537.00

THOMAFLOW® PTFE 3/2-Way Solenoid Valves – Wattage: 5 - 6 Watt

Cat. No.	Control voltage volt	Nominal width mm	Internal thread inch	Unit piece	Price Euro
86100	12=	1.6	UNF 1/4"-28	1	553.00
86101	24=	1.6	UNF 1/4"-28	1	553.00
86102	220~	1.6	UNF 1/4"-28	1	553.00
86103	12=	1.6	NPT 1/8"	1	553.00
86104	24=	1.6	NPT 1/8"	1	553.00
86105	220~	1.6	NPT 1/8"	1	553.00
86106	12=	3.2	NPT 1/8"	1	553.00
86107	24=	3.2	NPT 1/8"	1	553.00
86108	220~	3.2	NPT 1/8"	1	553.00
86109	12=	6.4	NPT 1/4"	1	553.00
86110	24=	6.4	NPT 1/4"	1	553.00



86 100



86 100

86111	220~	6.4	NPT 1/4"	1	553.00
86112	12=	9.5	NPT 3/8"	1	553.00
86113	24=	9.5	NPT 3/8"	1	553.00
86114	20~	9.5	NPT 3/8"	1	553.00

THOMAFLOW® PTFE 3/2-Way Solenoid Valves – Wattage: 10 - 13 Watt

Technical specification:		3/2-way diaphragm valve
• Valve type:		10 - 13 watt
• Solenoid wattage:		



86 006



86 006

Cat. No.	Control voltage volt	Nominal width mm	Internal thread inch	Unit piece	Price Euro
86006	12=	1.6	NPT 1/8"	1	on request
86007	24=	1.6	NPT 1/8"	1	on request
86008	220~	1.6	NPT 1/8"	1	on request
86012	12=	3.2	NPT 1/8"	1	553.00
86013	24=	3.2	NPT 1/8"	1	553.00
86014	220~	3.2	NPT 1/8"	1	553.00

THOMAFLOW® PTFE 2/2-Way Solenoid Valves – Wattage: 10 - 13 Watt

Technical specification:		2/2-way diaphragm valve
• Valve type:		10 - 13 watt
• Solenoid wattage:		

Cat. No.	Control voltage volt	Nominal width mm	Internal thread inch	Unit piece	Price Euro
86068	12=	3.2	NPT 1/8"	1	379.00
86069	24=	3.2	NPT 1/8"	1	379.00
86070	220~	3.2	NPT 1/8"	1	379.00
86089	12=	6.4	NPT 1/4"	1	537.00
86090	24=	6.4	NPT 1/4"	1	537.00
86091	220~	6.4	NPT 1/4"	1	537.00
86140	12=	9.5	NPT 3/8"	1	537.00
86141	24=	9.5	NPT 3/8"	1	537.00
86142	220~	9.5	NPT 3/8"	1	537.00



86 068



86 068

THOMAFLOW® PTFE 3/2-Way Solenoid Valves – Wattage: 5 - 6 Watt

Technical specification:		3/2-way diaphragm valve
• Valve type:		5 - 6 watt
• Solenoid wattage:		

THOMAFLUID® PTFE 3/2-Way Solenoid Valves – Wattage: 10 - 13 Watt

Cat. No.	Control voltage volt	Nominal width mm	Internal thread inch	Unit piece	Price Euro
86033	12=	6.4	NPT 1/4"	1	553.00
86034	24=	6.4	NPT 1/4"	1	553.00
86035	220~	6.4	NPT 1/4"	1	553.00
86118	12=	9.5	NPT 3/8"	1	553.00
86119	24=	9.5	NPT 3/8"	1	553.00
86120	20~	9.5	NPT 3/8"	1	553.00

**THOMAFLUID® PTFE 2/2-Way EX Solenoid Valves
Type: Ex-Protection G4**
General product specification:

- Direct-controlled 2/2-way solenoid valve made of PTFE with valve seat made of PTFE. Sealing towards the operating solenoid by miniature bellows. The electrical connection is made via a plug according to DIN 43650. The control head can be easily removed from the valve body by a cap nut.

General technical specification:

- **Material:**
Valve body: PTFE
Diaphragm: EPDM
- **Valve type:** bellows valve
- **Mounting position:** optional
- **Internal volume:** < 1 ml
- **Media handled:** gases and liquids
- **Max. viscosity:** 3° E
- **Max. temperature of medium:** +80 °C
- **Max. ambient temperature:** +40 °C
- **Pressure range:**
Gases: 0 - 3 bar
Liquids: 0 - 2 bar
- **Duty factor:** 100 % ED
- **Flow rate:**
Gases: approx. 500 l/h
Liquids: approx. 140 l/h
- **Operating time:** 0.5 s
- **Protection category:** IP 65
- **Ex-protection category:** Ex s G4
- **Control function:** normally closed (NC) / normally open (NO)
- **Power consumption:** 11 VA (at opening and on holding)
- **Nominal width:** 3 mm
- **Electrical connection:** PG 9, plug DIN 43650
- **Life cycle:** approx. 2 Mio operations
- **Weight:** 450 g

THOMAFLUID® PTFE 2/2-Way EX Solenoid Valves – Normally Open (NO)

Cat. No.	Control voltage volt	Nominal width mm	Internal thread inch	Unit piece	Price Euro
61462	24=	3	R 1/4"	1	1180.00
61463	24~	3	R 1/4"	1	1180.00
61464	220~	3	R 1/4"	1	1180.00

THOMAFLUID® PTFE 2/2-Way EX Solenoid Valves – Normally Closed (NC)


61 462



61 465

Cat. No.	Control voltage volt	Nominal width mm	Internal thread inch	Unit piece	Price Euro
61465	24=	3	R 1/4"	1	1180.00
61466	24~	3	R 1/4"	1	1180.00
61467	220~	3	R 1/4"	1	1180.00

**THOMAFLUID® PTFE 2/2-Way Solenoid Valve – Direct Acting
Type: THOMAFLUOR-ST 13798**
Product specification:

- Direct acting, small solenoid valve made of plastic for many applications in industry and plant construction. The highly corrosion-, UV- and weather-resistant housing material PTFE (polytetrafluoroethylene) allows the valve to be used also in outside areas. The valve is also suitable for aggressive liquids and gases due to high chemical resistance of all materials. In a deenergized state, the valve is closed by spring force. When energized, the plunger moves upwards, raising the bellows connected to it and allowing the medium to flow. The PTFE bellows reliably separates the medium from the plunger or from the atmosphere. An elastomer cap placed on the bellows in the valve seat guarantees a high sealing effect. The coil is 360° adjustable against the valve body. The pressure and liquid tightness of the valve housing even during disassembly of the solenoid coil ensures operating safety.

Technical specification:

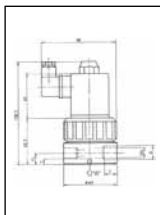
- **Material:**
Housing: PTFE (polytetrafluoroethylene)
Bellows: PTFE (polytetrafluoroethylene)
Gaskets (O-ring, sealing cap): EPDM (ethylene-propylene-diene rubber), FPM (fluorinated rubber)

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- **Media handled:** neutral and aggressive gases and liquids
- **Viscosity:** up to approx. 38 mm²/sec (cSt)
- **Max. operating pressure:** 0 – 2.0 bar
- **Max. temperature of medium:** PTFE: up to +110 °C
EPDM: up to +110 °C
FPM: up to +110 °C
- **Max. ambient temperature:** +50 °C
- **Mounting position:** optional (coil preferably in upright position)
- **Control function:** normally closed (NC)
- **Operating voltage:** 220 V / 50 Hz or 24 V=
- **Switching time:** opening: 30 - 40 ms; closing: 40 - 50 ms
- **Duty factor:** 100 %
- **Power consumption:** 9.5 W



35 0943



35 0943

- **Protection category:** IP 65
- **Electrical connection:** plug socket PG 9 acc. DIN 43560
- **Weight:** 825 g
- **Connection:** internal thread G 3/8" or G 1/2"

Cat. No.	Inside Ø mm	Internal thread inch	Max. operating pressure ¹ bar	Material of gaskets	Control voltage volt	Unit piece	Price Euro
350943	10	G 3/8"	2	EPDM	230~	1	448.00
350944	15	G 1/2"	1	EPDM	230~	1	448.00
350946	10	G 3/8"	2	EPDM	24=	1	448.00
350947	15	G 1/2"	1	EPDM	24=	1	448.00
350949	10	G 3/8"	2	FPM	230~	1	478.00
350950	15	G 1/2"	1	FPM	230~	1	478.00
350952	10	G 3/8"	2	FPM	24=	1	478.00
350953	15	G 1/2"	1	FPM	24=	1	478.00

¹ at +20 °C

- Direct-acting by separating diaphragm
- Pivoted armature valve with manual override

General technical specification:

- **Material:** Housing: PTFE (polytetrafluoroethylene)
Gaskets: FPM (fluorinated rubber)
- **Viscosity:** 37 mm²/sec
- **Max. temperature of medium:** -10 to +90 °C (FPM; FFKM)
- **Max. ambient temperature:** +50 °C
- **Mounting position:** optional (coil preferably in upright position)
- **Control function:** normally closed (NC)
- **Protection category:** IP 65 (with cable or plug socket)
- **Voltage tolerance:** ± 10 %

THOMAFUID® High-Tech PTFE 2/2-Way Solenoid Valve

Type: THOMAPLAST®-BKT-121

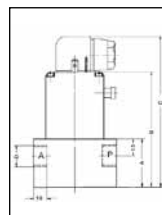
Product specification:

- **2 types:**
Type A: with plug socket
Type B: with silicone cable with integrated high-performance coil (at opening: 60 W; on holding: 3 W) and moulded-in silicone cable (length: 1m)
- **Pipe connection:** internal thread G 3/8"

Cat. No.	Nominal width mm	Max. operating pressure ¹ bar	Control voltage ² volt	Kv- value m ³ /h	Material of gaskets	Type	Unit piece	Price Euro
339731	4.0	4	24/UC	0.3	FPM	A	1	1178.00
339732	4.0	4	24/UC	0.3	FFKM	A	1	1178.00
339735	4.0	4	230/UC	0.3	FPM	A	1	1178.00
339736	4.0	4	230/UC	0.3	FFKM	A	1	1178.00
339827	4.0	4	24/UC	0.3	FPM	B	1	1178.00
339828	4.0	4	24/UC	0.3	FFKM	B	1	1178.00
339829	4.0	4	230/UC	0.3	FPM	B	1	1178.00
339830	4.0	4	230/UC	0.3	FFKM	B	1	1178.00



33 9731



33 9731

Application areas:

- For opening, closing, dosing, venting, mixing and distributing.
- The valve is particularly suitable for aggressive media and gases, aromatic compound, ether, ester and ketone, as well as for oxidizing acids and substances, oils, salt solutions, waste gases, technical vacuum and FFKM (perfluorinated elastomer).

General product specification:

- High performance valve
- The separation between the magnetic system and the media chamber is represented by an intermediate separating diaphragm system.

339737	6.0	2	24/UC	0.6	FPM	A	1	1178.00
339738	6.0	2	24/UC	0.6	FFKM	A	1	1178.00
339741	6.0	2	230/UC	0.6	FPM	A	1	1178.00
339742	6.0	2	230/UC	0.6	FFKM	A	1	1178.00
339743	6.0	2	24/UC	0.6	FPM	B	1	1178.00
339744	6.0	2	24/UC	0.6	FFKM	B	1	1178.00
339745	6.0	2	230/UC	0.6	FPM	B	1	1178.00
339746	6.0	2	230/UC	0.6	FFKM	B	1	1178.00

¹ at +20 °C; ² UC=universal current (equally for direct and alternating current, also for 50 or 60 Hz)

THOMAFLUID® High-Tech PTFE 3/2-Way Solenoid Valve
Type: THOMAPLAST®-BKT-121

Product specification:

- **2 types:**
Type A: with plug socket
Type B: with silicone cable with integrated high-performance coil (at opening: 60 W; on holding: 3 W) and moulded-in silicone cable (length: 1m)
- **Media connection:** internal thread G 3/8"
- **Fitted for 2 control functions:** 2 inlets and 1 outlet
1 inlet and 2 outlets

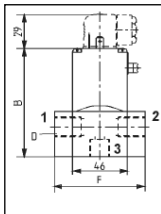
Cat. No.	Nominal width mm	Max. operating pressure ¹ bar	Control voltage ² volt	Kv-value m³/h	Material of gaskets	Type	Unit piece	Price Euro
339831	4.0	2	24/UC	0.3	FPM	A	1	1224.00
339832	4.0	2	24/UC	0.3	FFKM	A	1	1224.00
339749	4.0	2	24/UC	0.3	FPM	B	1	1258.00
339750	4.0	2	24/UC	0.3	FFKM	B	1	1258.00
339751	4.0	2	230/UC	0.3	FPM	A	1	1224.00
339752	4.0	2	230/UC	0.3	FFKM	A	1	1224.00
339833	4.0	2	230/UC	0.3	FPM	B	1	1258.00
339834	4.0	2	230/UC	0.3	FFKM	B	1	1258.00
339793	6.0	1	24/UC	0.6	FPM	A	1	1224.00
339794	6.0	1	24/UC	0.6	FFKM	A	1	1224.00
339797	6.0	1	230/UC	0.6	FPM	A	1	1224.00
339798	6.0	1	230/UC	0.6	FFKM	A	1	1224.00
339835	6.0	1	24/UC	0.6	FPM	B	1	1258.00
339836	6.0	1	24/UC	0.6	FFKM	B	1	1258.00
339837	6.0	1	230/UC	0.6	FPM	B	1	1258.00
339838	6.0	1	230/UC	0.6	FFKM	B	1	1258.00

¹ at +20 °C; ² UC=universal current (equally for direct and alternating current, also for 50 or 60 Hz)

THOMAFLUID® High-Chem PEEK 3/2-Way Micro Solenoid Valves for High-Purity Media
Type: THOMAPLAST®-BKT-121



33 9831



33 9831

Application areas:

- For opening, closing, dosing, diverting, mixing and distributing of small volumes.

Product specification:

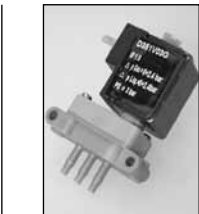
- High performance valve for aggressive media and gases, except conc. sulfuric acid and nitric acid.
- The separation between the magnetic system and the media chamber is ensured by hermetically sealed separating diaphragm, thus the medium is just in contact with valve body and diaphragm.

- Possibility of disassembling for inspection
- Reduced internal volume
- The parts subject to sliding friction are duly coated by PTFE (polytetrafluoroethylene) based self lubricating material.
- Media connections available as hose nozzles or internal threads
- Not suitable for use with dangerous fluids listed in Group 1 (article 3 § 3 of the European Directive 97/23/EC – Pressure Equipment Directive).

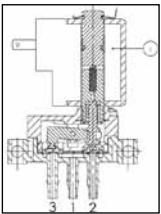
Technical specification:

- **K_v-value:** 0.03 m³/h
- **Max. temperature of medium:** -10 to +100 °C
- **Max. ambient temperature:** -10 to +60 °C
- **Insulation category:** F (155 °C)
- **Max. operating pressure:** 3 bar
- **Opening time:** ~20 ms
- **Closing time:** ~30 ms (EPDM); ~60 ms (FPM); ~90 ms (FFKM)
- **Pipe connection:**
Type A: with nozzle for tubing of inside Ø 2.2 to 2.8 mm
mit internal thread UNF 1/4"-28
Type B:
• **Duty factor:** 100 %
- **Control function:** normally closed (NC)
- **Protection category:** IP 65 (EN 60529) with micro plug
- **Electrical connection:** micro plug DIN 46340

Cat. No.	Nominal width mm	Control voltage volt	Material of gaskets	Type	Unit piece	Price Euro
339799	1.5	12 =	EPDM	A	1	192.00
339800	1.5	12 =	FPM	A	1	192.00
339801	1.5	12 =	FFKM	A	1	328.00
339802	1.5	24 =	EPDM	A	1	192.00
339803	1.5	24 =	FPM	A	1	192.00
339804	1.5	24 =	FFKM	A	1	328.00
339805	1.5	12 =	EPDM	B	1	192.00
339806	1.5	12 =	FPM	B	1	192.00
339807	1.5	12 =	FFKM	B	1	328.00
339808	1.5	24 =	EPDM	B	1	192.00
339809	1.5	24 =	FPM	B	1	192.00
339810	1.5	24 =	FFKM	B	1	328.00



33 9799



33 9799

THOMAFLUID® Micro Single Tube Pinch Valve Made of POM

General product specification:

- Very small valves for applications where contact of medium with valve parts has to be avoided. The tube can be easily and rapidly changed.
- Long service life
- Low power consumption

SOLENOID VALVES

- Short response time
- Zero dead volume
- Very small construction size
- Extremely light weight

General technical specification:

- **Material:**
 - Housing: steel
 - Valve body: POM
- **Media handled:** neutral and aggressive gases and fluids
- **Max. temperature of medium:** -10 to +70 °C
- **Max. ambient temperature:** -10 to +70 °C
- **Duty factor:** 100 % ED
- **Response time:** 5 ms
- **Control function:** normally closed (NC) / normally open (NO)
- **Power consumption:** approx. 1.0 Watt
- **Construction dimensions:** A = 19 mm, B = 29 mm

- Short response time
- Zero dead volume
- Small construction size
- Extremely light weight

General technical specification:

- **Material:**
 - Housing: steel
 - Valve body: POM
- **Media handled:** neutral and aggressive gases and fluids
- **Max. temperature of medium:** -10 to +70 °C
- **Max. ambient temperature:** -10 to +70 °C
- **Duty factor:** 100 % ED
- **Response time:** 15 - 25 ms
- **Control function:** normally closed (NC) / normally open (NO)

THOMAFUID® Micro Single Tube Pinch Valve Made of POM – Normally Closed (NC)

Cat. No.	Control voltage volt	Current strength A	Inside Ø tubing mm	Outside Ø tubing mm	Unit piece	Price Euro
87355	12=	0.08	0.76	23743	1	231.00
87356	24=	0.04	0.76	23743	1	231.00

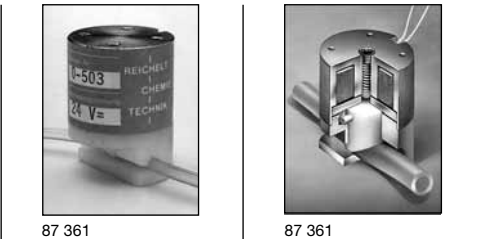
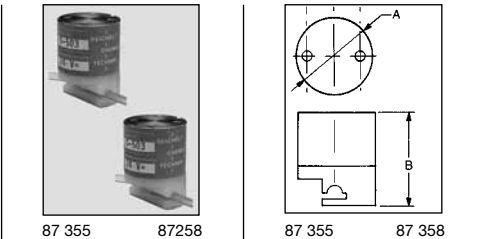
THOMAFUID® Mini Single Tube Pinch Valve Made of POM – Normally Closed (NC)

Cat. No.	A mm	B mm
87361	26	36
87362	26	36
87363	26	36
87364	26	36
87366	32	51
87367	32	51
87369	32	51
87370	39	60
87376	39	60
87379	39	60

THOMAFUID® Micro Single Tube Pinch Valve Made of POM – Normally Open (NO)

Cat. No.	Control voltage volt	Current strength A	Inside Ø tubing mm	Outside Ø tubing mm	Unit piece	Price Euro
87358	12=	0.08	0.76	23743	1	241.00
87359	24=	0.04	0.76	23743	1	241.00

Cat. No.	Control voltage volt	Power consumption W	Inside Ø tubing mm	Outside Ø tubing mm	Unit piece	Price Euro
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THOMAFUID® Mini Single Tube Pinch Valve Made of POM

General product specification:

- Small valves for applications where contact of medium with valve parts has to be avoided. The tube can be easily and rapidly changed.
- Long service life
- Low power consumption

87361	12=	1.5	0.8	2.4	1	324.00
87362	12=	1.5	1.6	3.2	1	324.00
87363	24=	1.5	0.8	2.4	1	324.00
87364	24=	1.5	1.6	3.2	1	324.00

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THOMAFLUID® Mini Single Tube Pinch Valve Made of POM – Normally Open (NO)

Cat. No.	A mm	B mm
87384	26	36
87385	26	36
87386	26	36
87387	26	36
87389	32	51
87390	32	51
87392	32	51
87393	39	60
87399	39	60
87402	39	60



87 384



87 384

Cat. No.	Control voltage volt	Current strength A	Inside Ø tubing mm	Outside Ø tubing mm	Unit piece	Price Euro
87384	12=	0.13	0.8	2.4	1	334.00
87385	12=	0.13	1.6	3.2	1	334.00
87386	24=	0.06	0.8	2.4	1	334.00
87387	24=	0.06	1.6	3.2	1	334.00
87389	12=	0.4	1.6	4.8	1	582.00
87390	12=	0.4	3.2	6.4	1	582.00
87392	24=	0.18	1.6	4.8	1	582.00
87393	24=	0.18	3.2	6.4	1	582.00
87399	12=	0.6	6.4	9.6	1	852.00
87402	24=	0.3	6.4	9.6	1	852.00

THOMAFLUID® Mini Double Tube Pinch Valve Made of POM

General product specification:

- Small valves for applications where contact of medium with valve parts has to be avoided. The tube can be easily and rapidly changed.
- Long service life
- Low power consumption
- Short response time
- Zero dead volume
- Small construction size
- Extremely light weight

General technical specification:

- **Material:**
Housing: steel
Valve body: POM
- **Media handled:**
neutral and aggressive gases and fluids
- **Max. temperature of medium:**
-10 to +70 °C

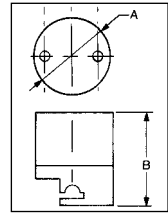
- **Max. ambient temperature:**
-10 to +70 °C
- **Duty factor:**
100 % ED
- **Response time:**
15 - 25 ms
- **Control function:**
normally closed (NC) /
normally open (NO)

THOMAFLUID® Mini Double Tube Pinch Valve Made of POM – Normally Closed (NC)

Cat. No.	A mm	B mm
87407	26	46
87409	26	46



87 407



87 407

87411	32	57
87412	32	57
87414	32	57
87415	32	57
87422	32	57
87424	32	57

Cat. No.	Control voltage volt	Power consumption W	Inside Ø tubing mm	Outside Ø tubing mm	Unit piece	Price Euro
87407	12=	1.5	0.8	2.4	1	369.00
87409	24=	1.5	0.8	2.4	1	369.00
87411	12=	4.2	1.6	3.2	1	507.00
87412	12=	4.2	1.6	4.8	1	507.00
87414	24=	4.2	1.6	3.2	1	507.00
87415	24=	4.2	1.6	4.8	1	507.00
87422	12=	7.2	3.2	6.4	1	711.00
87424	24=	7.2	1.6	4.8	1	711.00

THOMAFLUID® Mini Double Tube Pinch Valve Made of POM – Normally Open (NO)

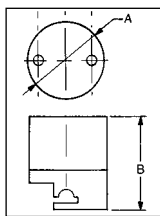
Cat. No.	A mm	B mm
87430	26	46
87432	26	46
87434	32	57
87437	32	57
87445	32	58
87448	32	58

THOMAFLOW® Mini Double Tube Pinch Valve Made of POM – Normally Open (NO)

Cat. No.	Control voltage volt	Power consumption W	Inside Ø tubing mm	Outside Ø tubing mm	Unit piece	Price Euro
87430	12=	1.5	0.8	2.4	1	369.00
87432	24=	1.5	0.8	2.4	1	369.00
87434	12=	4.2	1.6	3.2	1	507.00
87437	24=	4.2	1.6	3.2	1	507.00
87445	12=	7.2	3.2	6.4	1	711.00
87448	24=	7.2	3.2	6.4	1	711.00



87 430



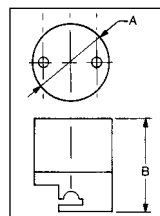
87 430

THOMAFLOW® Mini Multiple Tube Pinch Valve Made of POM – 2 Tubes

Cat. No.	A mm	B mm
87453	26	46
87454	26	46
87464	26	46
87465	26	46
87475	32	57
87476	32	57
87490	32	57
87491	32	57
87522	39	66
87537	39	66



87 453



87 453

THOMAFLOW® Mini Multiple Tube Pinch Valve Made of POM

General product specification:

- Small valves for applications where contact of medium with valve parts has to be avoided. The tubing can be easily and rapidly changed. The valves are available with 2, 4 and 8 tubes resp. Every valve is operated with a single solenoid.
- Long service life
- Low power consumption
- Short response time
- Zero dead volume
- Small construction size
- Extremely light weight

General technical specification:

- **Material:**
Housing: steel
Valve body: POM
- **Media handled:** neutral and aggressive gases and fluids
- **Max. temperature of medium:** -10 to +70 °C
- **Max. ambient temperature:** -10 to +70 °C
- **Duty factor:** 100% ED at holding voltage 1/3 of nominal voltage
- **Response time:** 15 - 25 ms

THOMAFLOW® Mini Multiple Tube Pinch Valve Made of POM – 2 Tubes

Product specification:

One tube is normally closed (NC) and the other normally open (NO)

Cat. No.	Control voltage volt	Current strength A	Power consumption W	Inside Ø tubing mm	Outside Ø tubing mm	Price Euro
87453	12=	0.13	1.5	0.8	2.4	456.00
87454	12=	0.13	1.5	1.6	3.2	456.00
87464	24=	0.06	1.5	0.8	2.4	456.00
87465	24=	0.06	1.5	1.6	3.2	456.00
87475	12=	0.4	4.2	1.6	4.8	806.00
87476	12=	0.4	4.2	3.2	6.4	806.00
87490	24=	0.18	4.2	1.6	4.8	806.00
87491	24=	0.18	4.2	3.2	6.4	806.00
87522	12=	0.6	7.2	4.8	8.0	806.00
87537	24=	0.3	7.2	4.8	8.0	806.00

THOMAFLOW® Mini Multiple Tube Pinch Valve Made of POM – 4 Tubes

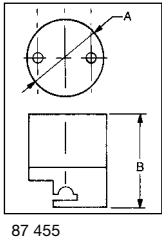
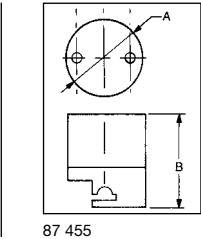
Product specification:

- Two tubes are normally closed (NC) and two tubes normally open (NO)

Cat. No.	A mm	B mm
87455	26	46
87466	26	46
87477	32	57
87478	32	57
87492	32	57
87493	32	57
87525	39	66
87540	39	66

THOMAFLUID® Mini Multiple Tube Pinch Valve Made of POM – 4 Tubes

Cat. No.	Control voltage volt	Current strength A	Power consumption W	Inside Ø tubing mm	Outside Ø tubing mm	Price Euro
87455	12=	0.13	1.5	0.8	2.4	600.00
87466	24=	0.06	1.5	0.8	2.4	600.00
87477	12=	0.4	4.2	1.6	3.2	806.00
87478	12=	0.4	4.2	1.6	4.8	806.00
87492	24=	0.18	4.2	1.6	3.2	806.00
87493	24=	0.18	4.2	1.6	4.8	806.00
87525	12=	0.6	7.2	3.2	6.4	936.00
87540	24=	0.3	7.2	3.2	6.4	936.00

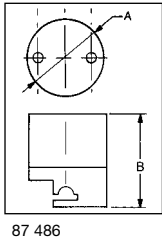
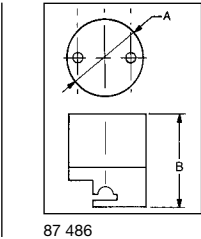


THOMAFLUID® Mini Multiple Tube Pinch Valve Made of POM – 8 Tubes

Product specification:

- Four tubes are normally closed (NC) and four tubes normally open (NO)

Cat. No.	A mm	B mm
87486	32	57
87501	32	57
87534	39	66
87549	39	66

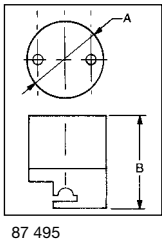
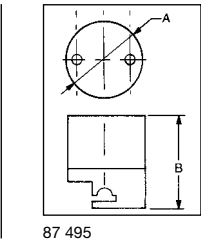


THOMAFLUID® Mini Multiple Tube Pinch Valve Made of POM – 4 Tubes

Product specification:

- Four tubes are normally closed (NC)

Cat. No.	A mm	B mm
87495	32	57
87543	39	66



Cat. No.	Control voltage volt	Current strength A	Power consumption W	Inside Ø tubing mm	Outside Ø tubing mm	Price Euro
87495	24=	0.18	4.2	1.6	3.2	859.00
87543	24=	0.3	7.2	3.2	6.4	936.00

Cat. No.	Control voltage volt	Current strength A	Power consumption W	Inside Ø tubing mm	Outside Ø tubing mm	Price Euro
87486	12=	0.4	4.2	1.6	3.2	859.00
87501	24=	0.18	4.2	1.6	3.2	859.00
87534	12=	0.6	7.2	3.2	6.4	1069.00
87549	24=	0.3	7.2	3.2	6.4	1069.00

THOMAFLUID® 2/2-Way Tube Pinch Valves
Type: RCT®-S305/307

Product specification:

- Media-separated control of tubing
- Alternatively available as function „normally open (NO)“ or „normally closed (NC)“
- Perfect functioning guaranteed only with silicone tubes
- Complete with valve plug (cable lug)

Technical specification:

- **Quality of tubing:** silicone rubber (Shore A 50-60°)
- **Operating overpressure:** 2 bar
- **Response time:** < 20 ms
- **Duty factor:** 100 %
- **Protection category:** IP 65 (DIN 40050)
- **Insulation category:** F (+155 °C)
- **Max. ambient temperature:** -10 to +60 °C
- **Max. temperature of medium:** -10 to +60 °C
- **Electrical connection:** DIN 46340 – 3-pin connector plug
anodically oxidized aluminium
- **Material of housing:** anodically oxidized aluminium
- **Regulations:** ISO 9001

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SOLENOID VALVES

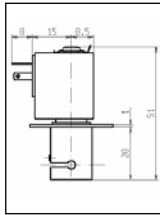
THOMAFLOW® 2/2-Way Tube Pinch Valves

Type: RCT®-S305/307

Cat. No.	Control voltage volt	Control function	Power consumption W	Inside Ø tubing mm	Outside Ø tubing mm	Unit piece	Price Euro
339811	12=	normally open (NO)	4	0.8	1.6	1	108.00
339812	24=	normally open (NO)	4	0.8	1.6	1	108.00
339813	12=	normally closed (NC)	4	0.8	1.6	1	108.00
339814	24=	normally closed (NC)	4	0.8	1.6	1	108.00
339764	12=	normally open (NO)	4	1.6	3.2	1	108.00
339765	24=	normally open (NO)	4	1.6	3.2	1	108.00
339766	12=	normally closed (NC)	4	1.6	3.2	1	108.00
339767	24=	normally closed (NC)	4	1.6	3.2	1	108.00



33 9811



33 9811

339768	12=	normally open (NO)	13	4.8	8.0	1	206.00
339769	24=	normally open (NO)	13	4.8	8.0	1	206.00
339770	12=	normally closed (NC)	13	4.8	8.0	1	206.00
339771	24=	normally closed (NC)	13	4.8	8.0	1	206.00
339772	12=	normally open (NO)	13	6.4	9.6	1	216.00
339773	24=	normally open (NO)	13	6.4	9.6	1	216.00
339774	12=	normally closed (NC)	13	6.4	9.6	1	216.00
339775	24=	normally closed (NC)	13	6.4	9.6	1	216.00

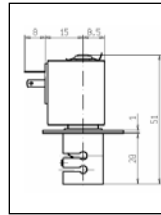
THOMAFLOW® 3/2-Way Tube Pinch Valves

Type: RCT®-S305/307

Cat. No.	Control voltage volt	Power consumption W	Inside Ø tubing mm	Outside Ø tubing mm	Unit piece	Price Euro
339815	12=	4	0.8	1.6	1	108.00
339816	24=	4	0.8	1.6	1	108.00
339776	12=	8	1.6	3.2	1	108.00
339777	24=	8	1.6	3.2	1	108.00
339778	12=	13	4.8	8.0	1	206.00
339779	24=	13	4.8	8.0	1	206.00
339780	12=	13	6.4	9.6	1	216.00
339781	24=	13	6.4	9.6	1	216.00



33 9815



33 9815

Metals

THOMAFLOW® 2/2-Way Solenoid Mini Valves for Aggressive Gases and Liquids System: NODVOL®-RIO 2898-A 12

Application areas:

- Operation of conveying lines for aggressive liquid or gaseous particle-free media in laboratory units and pilot plants.

Product specification:

- Pressure- and vacuum-resistant 2/2-way valves of compact construction, maintenance-free, with direct acting, solenoid-operated poppet valves, for screwed pipe joints in any installation position, for direct valve.

Technical specification:

- **Material:**
Housing: high quality steel 1.4404
Seat seal: alternatively EPDM or PTFE
Inner parts: high quality steel 1.4404
- **Nominal width:** DN 2 - 6
- **Pipe connection:** G 1/8" or G 1/4"
- **Flow direction:** determined
- **Vacuum resistance:** up to 1.33 x 10⁻³ mbar l/s
- **Max. operating pressure:** 5 - 30 bar
- **Max. temperature of medium:** -10 to +80 °C
- **Max. ambient temperature:** +60 °C
- **Control function:** normally closed (NC)
- **Operating voltage:** 24 V=
- **Power consumption:** up to DN 3 = 12 W; from DN 4 = 16 W
- **Duty factor:** up to 100 %

THOMAFLOW® 3/2-Way Tube Pinch Valves

Type: RCT®-S305/307

Product specification:

- One tube „normally open (NO)“; one tube „normally closed (NC)“
- Media-separated control of tubing
- Alternatively available as function „normally open (NO)“ or „normally closed (NC)“
- Perfect functioning guaranteed only with silicone tubes
- Complete with valve plug (cable lug)

Technical specification:

- **Quality of tubing:** silicone rubber (Shore A 50-60°)
- **Operating overpressure:** 2 bar
- **Response time:** < 20 ms
- **Duty factor:** 100 %
- **Protection category:** IP 65 (DIN 40050)
- **Insulation category:** F (+155 °C)
- **Max. ambient temperature:** -10 to +60 °C
- **Max. temperature of medium:** -10 to +60 °C
- **Electrical connection:** DIN 46340 – 3-pin connector plug
anodically oxidized aluminium
ISO 9001
- **Material of housing:**
- **Regulations:**

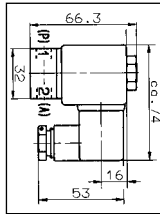
- **Protection category:** IP 65 (DIN 40050)
- **Mounting position:** optional

Cat. No.	Nominal width mm	Internal thread inch	Max. operating pressure ¹ bar	Kv-value ² m³/h	Material of gaskets	Unit piece	Price Euro
16493	1.6	G 1/8"	12	0.08	EPDM	1	218.00
16494	1.6	G 1/8"	12	0.08	FPM	1	225.00
16495	2.4	G 1/8"	4	0.13	EPDM	1	218.00
16496	2.4	G 1/8"	4	0.13	FPM	1	225.00
16497	4.0	NPT 1/4"	2.5	0.43	EPDM	1	266.00
16498	4.0	NPT 1/4"	2.5	0.43	FPM	1	274.00
16499	5.6	NPT 1/4"	1.7	0.62	EPDM	1	266.00
16500	5.6	NPT 1/4"	1.7	0.62	FPM	1	274.00

¹ at +20 °C, operable pressure difference; ² water Δp 1 bar



16 493



16 493

- **Pipe connection:** internal thread G 1/8"
- **Max. operating pressure:** 2 - 60 bar
- **Construction size:** 30 x 30 x 71 mm (L x W x H)

Cat. No.	Control voltage volt	Material of gaskets	Nominal width mm	Max. operating pressure ¹ bar	Internal thread inch	Price Euro
58272	12=	EPDM	0.8	60	G 1/8"	215.00
58273	24=	EPDM	0.8	60	G 1/8"	215.00
58274	220~	EPDM	0.8	60	G 1/8"	215.00
58275	12=	FPM	0.8	60	G 1/8"	215.00
58276	24=	FPM	0.8	60	G 1/8"	215.00
58277	220~	FPM	0.8	60	G 1/8"	215.00
58278	12=	PTFE	0.8	60	G 1/8"	236.00
58279	24=	PTFE	0.8	60	G 1/8"	236.00
58280	220~	PTFE	0.8	60	G 1/8"	236.00



58 272



58 272

THOMAFLUID® 2/2-Way Miniature High-Pressure Solenoid Valve Made of High-Quality Steel System: NODVOL®-AS 4211

Application areas:

- Switching of conveying lines for liquid and gaseous media in the areas of chemical laboratory technology and chemical engineering, measurement and control engineering, precision machine construction, and for experimentation, pilot, and production plants.

Product specification:

- Pressure-proof solenoid valves of especially small construction size, made of high-quality steel, maintenance-free; direct-controlled, normally closed poppet valve.

Technical specification:

- **Material:**
 - Valve body: high quality steel 1.4301
 - Gasket: EPDM, FPM or PTFE
- **Valve type:** poppet valve
- **Weight:** < 250 g
- **Switching voltage:** 12; 24 VDC or 220 VAC
- **Switching cycle:** 2000 switches per minute
- **Control function:** normally closed (NC)
- **Power consumption:** < 10 W
- **Operating time:** 8 - 15 ms
- **Electrical connection:** appliance inlet according to DIN 43650 A
- **Protection category:** IP 65
- **Max. temperature of medium:** -15 to +130 °C
- **Max. ambient temperature:** +50 °C
- **Mounting position:** optional

58281	12=	EPDM	1.2	35	NPT 1/4"	215.00
58282	24=	EPDM	1.2	35	NPT 1/4"	215.00
58283	220~	EPDM	1.2	50	NPT 1/4"	215.00
87185	12=	FPM	1.2	35	NPT 1/4"	215.00
87186	24=	FPM	1.2	35	NPT 1/4"	215.00
87187	220~	FPM	1.2	50	NPT 1/4"	215.00
87200	12=	PTFE	1.2	35	NPT 1/4"	236.00
87201	24=	PTFE	1.2	35	NPT 1/4"	236.00
87202	220~	PTFE	1.2	35	NPT 1/4"	236.00
58284	12=	EPDM	1.6	25	G 1/8"	215.00
58285	24=	EPDM	1.6	25	G 1/8"	215.00
58286	220~	EPDM	1.6	25	G 1/8"	215.00
87188	12=	FPM	1.6	25	G 1/8"	215.00
87189	24=	FPM	1.6	25	G 1/8"	215.00
87190	220~	FPM	1.6	25	G 1/8"	215.00
87203	12=	PTFE	1.6	25	G 1/8"	236.00
87204	24=	PTFE	1.6	25	G 1/8"	236.00
87205	220~	PTFE	1.6	25	G 1/8"	236.00
58290	12=	EPDM	2.0	15	G 1/8"	215.00
58291	24=	EPDM	2.0	15	G 1/8"	215.00
58292	220~	EPDM	2.0	15	G 1/8"	215.00
58287	12=	FPM	2.0	15	G 1/8"	215.00
58288	24=	FPM	2.0	15	G 1/8"	215.00
58289	220~	FPM	2.0	15	G 1/8"	215.00
58296	12=	EPDM	2.4	10	NPT 1/4"	200.00
58297	24=	EPDM	2.4	10	NPT 1/4"	200.00
58298	220~	EPDM	2.4	23	NPT 1/4"	200.00

THOMAFLUID® 2/2-Way Solenoid High-Speed Switching Valve for Aggressive Gases and Liquids System: NODVOL®-RIO 1658-A12

Application areas:

- Operation of conveying lines for aggressive liquid or gaseous particle-free media in laboratory units and pilot plants.

Product specification:

- Pressure- and vacuum-resistant 2/2-way valves of compact construction, maintenance-free, with direct acting, solenoid-operated high-speed poppet valves, for screwed pipe joints in any installation position, for direct or alternating current, alternating current version with integrated rectifier.

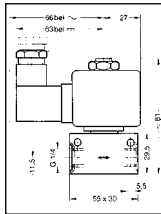
Technical specification:

- **Material:**
Casing: high quality steel 1.4404
Seat seal: FPM, EPDM or PTFE
Inner parts: high-purity ferritic chromium steel
- **Nominal width:** DN 5 or DN 10
- **Pipe connection:** G 1/4" or G 1/2"
- **Flow direction:** DN 5 determined; DN 10 optional
- **Vacuum resistance:** up to 1.33 x 10⁻³ mbar l/s
- **Max. operating pressure:** 10 bar
- **Max. temperature of medium:** -10 to +80 °C
- **Max. ambient temperature:** +55 °C
- **Control function:** normally closed (NC)
- **Max. opening frequency:** 100/min
- **Operating voltage:** 12 V~, 24 V~ or 220 V~ (40-60 Hz)
- **Power consumption:** < 18 W
- **Duty factor:** up to 100 %
- **Protective system:** IP 65 (DIN 40050)
- **Mounting position:** optional

Cat. No.	Control voltage volt	Nominal width mm	Internal thread inch	Kv-value m³/h	Material of gaskets	Unit piece	Price Euro
16501	12 =	5	G 1/4"	0.46	FPM	1	456.00
16502	12 =	5	G 1/4"	0.46	EPDM	1	660.00
16503	12 =	5	G 1/4"	0.46	PTFE	1	675.00
16504	24 =	5	G 1/4"	0.46	FPM	1	456.00
16505	24 =	5	G 1/4"	0.46	EPDM	1	660.00
16506	24 =	5	G 1/4"	0.46	PTFE	1	675.00
16507	220 ~	5	G 1/4"	0.46	FPM	1	489.00
16508	220 ~	5	G 1/4"	0.46	EPDM	1	693.00
16509	220 ~	5	G 1/4"	0.46	PTFE	1	698.00



16 501



16 501

16510	12 =	10	G 1/2"	0.75	FPM	1	604.00
16511	12 =	10	G 1/2"	0.75	EPDM	1	619.00
16512	12 =	10	G 1/2"	0.75	PTFE	1	604.00
16513	24 =	10	G 1/2"	0.75	FPM	1	604.00
16514	24 =	10	G 1/2"	0.75	EPDM	1	619.00
16515	24 =	10	G 1/2"	0.75	PTFE	1	604.00
16516	220 ~	10	G 1/2"	0.75	FPM	1	640.00
16517	220 ~	10	G 1/2"	0.75	EPDM	1	647.00
16518	220 ~	10	G 1/2"	0.75	PTFE	1	640.00

THOMAFIUID® High-Tech 2/2-Way High-Temperature Solenoid Valve Made of High-Quality Steel
System: RCT®-BKT-S32

Application areas:

- For conveyance of organic media such as fuels, alcohols or hydraulic solutions and oils as well as gases or steam at high temperatures.

Product specification:

- Poppet valve for gases and liquids
- Direct-acting plunger solenoid valve for high pressures and high-temperature applications

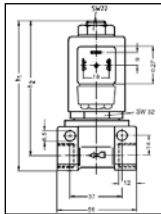
Technical specification:

- **Material:**
Housing: high quality steel 1.4581
Gasket: PTFE (polytetrafluoroethylene)
- **Electrical connection:** plug socket for cable Ø 7 mm acc. DIN EN 175301-803 shape A
- **Max. temperature of medium:** -40 to +180 °C
- **Max. ambient temperature:** +55 °C
- **Viscosity:** up to 21 mm²/sec.
- **Voltage tolerance:** ±10 %
- **Power:** 10 W (alternating current)
12 W (direct current)
- **Control function:** normally closed (NC)
- **Duty factor:** 100 %
- **Protection category:** IP 65 (DIN 40050)
- **Mounting position:** optional (actuator preferably in upright position)

Cat. No.	Nominal width mm	Control voltage volt	Max. operating pressure bar	Max. operating pressure bar	Max. flow rate m³/h	Internal thread inch	Unit piece	Price Euro
339782	1.0	24 ~	100	100	0.03	G 1/4"	1	582.00
339783	3.0	24 =	10	10	0.25	G 1/4"	1	582.00
339784	3.0	24 ~	16	25	0.25	G 1/2"	1	582.00



33 9782



33 9782

339785	3.0	230 ~	16	25	0.25	G 1/2"	1	582.00
339786	4.0	24 =	4	4	0.5	G 1/4"	1	582.00
339787	4.0	24 =	4	4	0.5	G 1/2"	1	582.00
339788	5.0	24 ~	6	7	0.65	G 1/4"	1	582.00
339789	5.0	230 ~	6	7	0.65	G 1/4"	1	582.00
339790	6.0	24 =	1	1	0.8	G 1/2"	1	582.00
339791	6.0	24 ~	4	4	0.8	G 1/2"	1	582.00
339792	6.0	230 ~	4	4	0.8	G 1/2"	1	582.00

¹ liquids at +20 °C ² gases at +20 °C

THOMAFLUID® 3/2-Way Miniature Solenoid Valve Made of High-Quality Steel

System: NODVOL®-AS 3311

Application areas:

- Switching of conveying lines for all kinds of inert liquid and gaseous media in experimental and production plants.

Product specification:

- Pressure-loadable, rugged solenoid valves of especially small construction size, made of high-quality steel, maintenance-free; direct-controlled, normally closed poppet valve with gaskets made of duty plastic materials.

Technical specification:

- Material:**
 - Valve body: high quality steel 1.4301
 - Gasket: EPDM, FPM, FFKM or PTFE
- Valve type:** poppet valve
- Switching voltage:** 12; 24 VDC or 220 VAC
- Control function:** normally closed (NC)
- Duty factor:** up to 100 %
- Power consumption:** 10 W
- Switching time:** 8 - 15 ms
- Electrical connection:** male connector according to DIN 43650 A
- Protection category:** IP 65
- Max. temperature of medium:** -15 to +130 °C
- Max. ambient temperature:** +50 °C
- Mounting position:** optional
- Pipe connection:** internal thread G 1/8"
- Max. operating pressure:** 5.5 - 17 bar
- Weight:** < 250 g
- Construction size:** 30 x 30 x 70 mm (L x W x H)

Cat. No.	Control voltage volt	Material of gaskets	Nominal width mm	Max. operating pressure ¹ bar	Unit piece	Price Euro
87232	12=	FPM	1.2	17	1	208.00
87233	24=	FPM	1.2	17	1	208.00



87 232



87 232

87234	220~	FPM	1.2	17	1	208.00
58231	12=	EPDM	1.2	17	1	208.00
58232	24=	EPDM	1.2	17	1	208.00
58233	220~	EPDM	1.2	17	1	208.00
87235	12=	FPM	1.6	14	1	208.00
87236	24=	FPM	1.6	14	1	208.00
87237	220~	FPM	1.6	14	1	208.00
58234	12=	EPDM	1.6	14	1	208.00
58235	24=	EPDM	1.6	14	1	208.00
58236	220~	EPDM	1.6	14	1	208.00
58237	12=	FPM	2.0	10	1	208.00

THOMAFLUID® 3/2-Way Miniature Solenoid Valve Made of High-Quality Steel

System: NODVOL®-AS 3311

Cat. No.	Control voltage volt	Material of gaskets	Nominal width mm	Max. operating pressure ¹ bar	Unit piece	Price Euro
58238	24=	FPM	2.0	10	1	208.00
58239	220~	FPM	2.0	10	1	208.00
58240	12=	EPDM	2.0	10	1	208.00
58241	24=	EPDM	2.0	10	1	208.00
58242	220~	EPDM	2.0	10	1	208.00
87238	12=	FPM	2.4	8	1	208.00
87239	24=	FPM	2.4	8	1	208.00
87240	220~	FPM	2.4	8	1	208.00
87251	12=	PTFE	2.4	8	1	228.00
87252	24=	PTFE	2.4	8	1	228.00
87253	220~	PTFE	2.4	8	1	228.00
58243	12=	EPDM	2.4	8	1	208.00
58244	24=	EPDM	2.4	8	1	208.00
58245	220~	EPDM	2.4	8	1	208.00
87241	12=	FPM	3.0	5.5	1	208.00
87242	24=	FPM	3.0	5.5	1	208.00
87243	220~	FPM	3.0	5.5	1	208.00
58246	12=	EPDM	3.0	5.5	1	208.00
58247	24=	EPDM	3.0	5.5	1	208.00
58248	220~	EPDM	3.0	5.5	1	208.00
87264	12=	FFKM	3.0	5.5	1	266.00
87265	24=	FFKM	3.0	5.5	1	266.00
87266	220~	FFKM	3.0	5.5	1	266.00

¹ at +20 °C

THOMAFLUID® 3/2-Way Solenoid High-Speed Switching Valve for Aggressive Gases and Liquids

System: NODVOL®-RIO 0242-A14

Application areas:

- Operation of conveying lines for aggressive liquid or gaseous particle-free media in laboratory units and pilot plants.

Product specification:

- Pressure-resistant 3/2-way valves of compact construction, maintenance-free, with direct acting, solenoid-operated high-speed poppet valve, for screwed pipe joints in any installation position, for direct or alternating current, alternating current version with integrated rectifier.

Technical specification:

- Material:**
 - Casing: high quality steel 1.4404
 - Seat seal: FPM, NBR or Silicone
 - Inner parts: high quality steel 1.4404 and 1.4522
- Nominal width:** DN 5
- Pipe connections:** G 1/4" or NPT 1/4"
- K_v-Value:** 0.34 m³/h
- Flow direction:** not determined
- Max. operating pressure:** 10 bar
- Max. temperature of medium:** -10 to +80 °C, with silicone seat gasket from -40 °C
- Max. ambient temperature:** +55 °C
- Control function:** normally closed (NC) on the pressure side

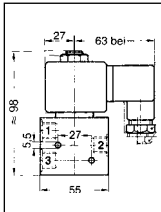
SOLENOID VALVES

- **Opening frequency:** up to 100/min
- **Operating voltage:** 12 V=, 24 V= or 220 V~ (40-60 Hz)
- **Power consumption:** < 20 W
- **Operating time:** up to 100 %
- **Protective system:** IP 65 (DIN 40050)
- **Mounting position:** optional

Cat. No.	Control voltage volt	Internal thread inch	Max. operating pressure ¹ bar	Material of gaskets	Unit piece	Price Euro
16527	12=	G 1/4"	10	FPM	1	481.00
16528	12=	NPT 1/4"	10	FPM	1	489.00
16530	12=	G 1/4"	10	NBR	1	491.00
16531	12=	G 1/4"	10	silicone	1	624.00



16 527



16 527

16532	24=	G 1/4"	10	FPM	1	481.00
16533	24=	NPT 1/4"	10	FPM	1	489.00
16535	24=	G 1/4"	10	NBR	1	491.00
16536	24=	G 1/4"	10	silicone	1	624.00
16537	220~	G 1/4"	10	FPM	1	502.00
16538	220~	NPT 1/4"	10	FPM	1	522.00
16540	220~	G 1/4"	10	NBR	1	522.00
16541	220~	G 1/4"	10	silicone	1	658.00

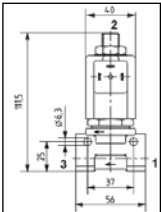
¹ at +20 °C

- **Voltage tolerance:** ±10 %
- **Duty factor:** 100 %
- **Protection category:** IP 65 with plug socket
- **Mounting position:** optional (actuator preferably in upright position)
- **Control function**
 - mixer valve (A): 2 inlets, 1 outlet
 - distributor valve (B): 1 inlet, 2 outlets

Cat. No.	Nominal width mm	Control voltage volt	Power consumption W	Max. operating pressure ¹ bar	Max. flow rate m³/h	Internal thread inch	Unit piece	Price Euro
339817	2.0	24 =	12	6	0.11	G 1/4"	1	622.00
339818	2.0	24 ~	10	6	0.11	G 1/4"	1	622.00
339819	2.0	230 ~	10	6	0.11	G 1/4"	1	622.00



33 9817



33 9817

339820	3.0	24 =	12	4	0.2	G 1/4"	1	622.00
339821	3.0	24 ~	10	4	0.2	G 1/4"	1	622.00
339822	3.0	230 ~	10	4	0.2	G 1/4"	1	622.00
339823	4.0	24 =	12	2	0.4	G 1/4"	1	622.00
339824	4.0	24 ~	10	2	0.4	G 1/4"	1	622.00
339825	4.0	230 ~	10	2	0.4	G 1/4"	1	622.00

¹ at +20 °C

THOMAFLOW® High-Tech 3/2-Way High-Temperature Solenoid Valve Made of High-Quality Steel
System: RCT®-BKT-355

Application areas:

- For conveyance of organic media such as fuels, alcohols or hydraulic solutions and oils as well as gases or steam at high temperatures.

Product specification:

- Poppet valve for gases and liquids
- Direct-acting plunger solenoid valve for high pressures and high-temperature applications

Technical specification:

- **Material:**
 - Housing: high quality steel 1.4581
 - Gasket: PTFE (polytetrafluoroethylene), FPM (Viton)
- **Electrical connection:** plug socket for cable Ø 7 mm acc. DIN EN 175301-803 shape A
- **Max. temperature of medium:** -40 to +180 °C
- **Max. ambient temperature:** +55 °C
- **Viscosity:** up to 21 mm²/sec.

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THOMAFLUID® 2-Way Motor Valve System: NODVOL®-GNR 2350-DF

Application areas:

- Remote-controlled opening and closing of media conveying lines in industry and pilot plants.

Product specification:

- Robust, motor-driven on/off ball valve, pressure-loadable, for liquid media; depending on type with continuous flow control, with cable ready for connecting.

Technical specification:

- **Valve type:** ball valve
- **Material:**
 - Housing: brass, nickel-plated
 - Control shaft: brass, nickel-plated



16 617

- Valve ball: brass, nickel-plated
- Valve gasket: PTFE
- **Max. operating pressure:** 15 bar
- **Flow control:** depending on type continuous control for valve intermediate position between on and off possible
- **Control voltage:** 0-10 VDC
- **Correction time:** 60 sec
- **Torque:** 8 Nm
- **Flow direction:** optional
- **Max. temperature of medium:** -20 to +110 °C
- **Max. ambient temperature:** -10 to +70 °C
- **Pipe connection:** NW 25 / 1" external thread
- **Electrical actuator:** 230 V / 50 - 60 Hz or 24 V / 50 - 60 Hz
- **Power consumption:** < 3 VA
- **Connecting cable:** 0.9 m / 0.75 square
- **Protection category:** II
- **Protective system:** IP 54
- **Dimensions:**
 - Actuator: 110 x 75 x 65 mm;
 - Overall height with valve: approx. 140 mm
- **Weight:** 1.5 kg

Cat. No.	Connecting voltage volt	Flow control	Control voltage volt	Unit piece	Price Euro
16617	230~	without	no data	1	197.00
16618	24=	with	0 – 10~	1	289.00

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