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THOMAFLUID® IV

Connectors and Cocks
made of plastics and metals

One-Piece Connectors:

- Luer-/Lock Connectors
- Tubing Olive Connectors
- Screw Joints
- Quick-Release Coupling
- Capillary Connectors
- Bonding and Welding Connectors
- Threaded Adapters

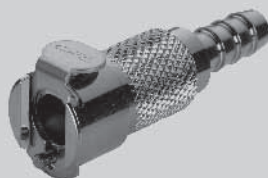


Two-Part Connectors:

- Quick-Disconnect Couplings

Cocks:

- Drain Cocks, Stop Cocks
- Pneumatic Cocks



Reichelt Chemietechnik '15

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Heidelberger Schloss

Content: One-Piece Connectors - Plastics

page



Screw Joints with Cap Nut DIN 8063

3 - 6

- made of PFA, PP, PVDF; tube / pipe connectors, universal nipple



Bonding and Welding Connectors for Pipes

6 - 14

- made of PP, PVC-U, PVDF; straight, reducing, T, Y, cross, elbow
- connector, nozzle, screw cap, tank screw connection
- with bonded socket joint or welding sleeve
- partially: detachable, with external / internal thread

Content: Two-Part Connectors - Plastics

page



POM Quick-Disconnect Couplings

14 - 25

- coupling, nipple, control panel, adapter: straight, elbow
- nominal width in mm: 3.2; 5; 6.4; 7; 12.2; 30



PP Quick-Disconnect Couplings

26 - 33

- coupling, nipple, control panel: straight, elbow; nominal width in mm: 3.2; 6; 6.4; 7.2; 9.5



PSU Quick-Disconnect Couplings

33 - 35

- coupling, nipple, control panel: straight, elbow; nominal width in mm: 9.5; 13.2



PVDF Quick-Disconnect Couplings

35 - 38

- coupling, nipple, control panel: straight; nominal width in mm: 5; 7

PA Quick-Disconnect Couplings

38 - 39

- coupling, nipple: straight; nominal width in mm: 6

Multi-Lumen Quick-Disconnect Couplings

39 - 41

- made of PA, POM; coupling, nipple, control panel, accessories
- for 2, 6 or 10 tubes

Content: One-Piece Connectors - Metal

page



Luer-/Lock-Connections made of brass chromium-plated

41 - 44

- for rigid and flexible tubing



Capillary Connectors (HPLC) made of stainless steel

44 - 49

- connector, male screw, ferrule, locking element, column end fitting
- straight, reducing, T, cross
- partially: with external or internal thread, with frit



Micro Connecting Pieces (I-Ø: 0.6 - 5.1 mm) made of chromium-nickel-steel

49 - 51

Tubing Olive Connectors (I-Ø: 6 - 29 mm) made of brass

51 - 52

Screw Joints for Tubings (I-Ø: 2 - 12 mm) and Imperial Pipes (O-Ø: 1/16" - 1/2")

53 - 59

- made of brass, stainless steel
- screwed fitting, soldered connecting nozzle, screw cap, cap nut, bite-type ring
- straight, elbow, T, cross, bulkhead, partially with external or internal thread

Content: One-Piece Connectors - Metal

page



Quick-Release Coupling Systems for Pipes (0-Ø: 4 - 12.7 mm)

59 - 63

- made of stainless steel for metric and imperial pipes
- straight, elbow, T, bulkhead; partially with external thread



Threaded Adapter made of stainless steel, brass nickel-plated

63 - 67

- screwed fitting, threaded sleeve, reducing nipple, double nipple, closure elements
- straight, reducing, elbow, T, Y, with internal / external thread



Tubing Squeeze Connections for Pneumatics made of brass or steel

67 - 69

Industrial Tubing Connections (I-Ø: 9 - 100 mm)

69 - 73

- made of brass, stainless steel, steel, aluminium, iron
- screwed fitting, threaded tubing connector, nozzle, clamp
- partially: internal or external thread, safety collar

Content: Two-Part Connectors - Metal

page



Mini Quick-Disconnect Couplings made of brass

74 - 75

- straight; nominal width: 1.8 mm, partially for control panel



Macro Quick-Disconnect Couplings made of nickel-plated brass

75 - 81

- straight; nominal width in mm: 2.7; 5; 7.4; shutting-off on one side or on both sides



Macro Quick-Disconnect Couplings made of chromium-plated brass

82 - 87

- straight, elbow; nominal width in mm: 3.2; 6.4; partially for control panel

Macro Quick-Disconnect Couplings made of stainless steel

87 - 92

- straight; nominal width in mm: 2.7; 5; 7.4; shutting-off on one side or on both sides

Content: Cocks and Valves

page



Drain Cocks

93 - 96

- plastics: made of HDPE, PA, PE; partially with thread or nozzle
- metals: made of brass, stainless steel; with bent / smooth outlet or spigot



Stopcocks and Straight-way Cocks

93 - 109

- plastics: made of HDPE, PE, PEEK, PP, PTFE, PVC-U, PVDF; partially with thread or nozzle stopcocks, ball cocks, industrial ball valves, accessories
- metals: made of brass, stainless steel; partially with thread or nozzle luer-stopcocks, ball cocks



Pneumatic Cocks

110 - 112

- made of PFA, PP, PTFE, PVDF
- 2-way-, 3-way-, 4-way-ball valve; injection-molded or block construction

One-Piece Connectors - Plastics

Screw Joints with Cap Nut DIN 8063

THOMAFLUID®-MULTITEC Connectors – with loose cap nut DIN 8063

General product specification

- The connectors of Series MULTITEC can be directly fastened to existing fittings with DIN 8063 male threads and are immediately ready for use with both flexible and rigid tubes. The special design of our connectors integrates many features in a single product that would otherwise have to be tediously welded together from various components. The inlay component -manufactured from a single piece- contains an integrated thread connector. This helps to ensure that the connector is leak-proof and thus safe to use. To allow for a range of threaded connectors, the loose cap nut is available in typical sizes from G 3/4" to G 1 1/2". These can be combined with various tube and pipe connectors as well as with G or NPT external thread.

General technical specification

• PP (Polypropylene)

Extremely good impact toughness and notch impact strength
Higher hardness and stiffness as well as better resilience than PE
Thermoforming possible
Very good dielectrical properties
Good resistance to alcohols, ketones, conc. acids and alkalis
Not stable to aromatic hydrocarbons, fats and oils, halogenes
Autoclavable
Resistant to hydrolysis
Physiologically safe
Colour: grey
Density: 0.90 g/cm³
Temperature range: +5 to +90 °C
Shore hardness D: 72°
Max. operating pressure: 10 bar
Water absorption: <0.05 %
Tensile strength: 25 - 40 N/mm²
Elongation at break: 800 %
Surface resistance: >10¹³ Ohm
Melt flow index MFR: 0.3 g/10 min.

• 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
Good breakdown strength
Low dielectric loss factor
Highest mechanical stability and stiffness
Meeting highest purity requirements
Comply with the guidelines from FDA and USP class VI, additionally PVDF has the KTW approval. Up to +150 °C it is non-toxic and since it has a similar property to glass it is a no-culture medium for microorganisms.
Can be treated by autoclave (absolute sterile) and sterilized with gamma-rays without losing its mechanical qualities
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°

Water absorption: <0.04 %

Tensile strength: 38 - 50 N/mm²

Surface resistance: >10¹³ Ohm

Melt flow index MFR: 6 g/10 min.

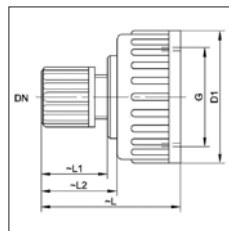
• PFA (Perfluoroalkoxy)

High-quality technical plastic for chemical apparatus and machine construction as well as electrical engineering
Chemical, thermal and dielectrical properties practically such as PTFE, but suitable for thermoplastic processing (welding, die casting, deep drawing). Lower medium diffusion, better transparency, larger hardness and better dimensional stability (lower tendency to cold flow) compared to PTFE.
Highest temperature resistance of all meltable fluorinated plastics
Very high dimensional stability in heat
Very high resistance to media
Very good pressure resistance
Low friction coefficient
Can be treated by autoclave (absolute sterile)
Comply with the guidelines from FDA and USP class VI.
Excellent resistance to weather
Flame-resistant
Colour: milky, translucent
Density: 2.10 g/cm³
Shore hardness D: 60° to 65°
Temperature range: -200 to +200 °C (highest dimensional stability in heat)
Coefficient of sliding friction: 0.2 - 0.3 (dynamic against steel, dry)
Tensile strength: 27 to 32 N/mm² at +23 °C
Water absorption: <0.03 %
Dielectric constant: 2,1
Surface resistance: >10¹⁷ Ohm

THOMAFLUID®-MULTITEC Tube Connector made of PP/PVDF/PFA - loose cap nut DIN 8063

Product specification

- Tubing connection on one side, loose cap nut on the other side



Item	NW mm	Internal thread	D1 mm	L mm	L2 mm	Material	Unit piece	Price EURO
341503	4/6	G 3/4"	38	43	21	PP	3	75.00
341504	6/8	G 3/4"	38	47	25	PP	3	81.00
341505	8/10	G 3/4"	38	50	28	PP	3	81.00
341506	10/12	G 3/4"	38	54	32	PP	2	70.00
341507	12/14	G 3/4"	38	59	37	PP	2	86.00
341508	6/8	G 1"	46	49	25	PP	3	87.00
341509	8/10	G 1"	46	52	28	PP	3	90.00
341510	10/12	G 1"	46	56	32	PP	2	76.00

Item	NW mm	Internal thread	D1 mm	L mm	L2 mm	Material	Unit piece	Price EURO
341511	12/14	G 1"	46	61	37	PP	2	90.00
341512	14/16	G 1"	46	63	39	PP	2	96.00
341513	16/18	G 1"	46	66	42	PP	1	70.00
341514	10/12	G 1 1/4"	56	56	32	PP	2	77.00
341515	12/14	G 1 1/4"	56	61	37	PP	2	92.00
341516	14/16	G 1 1/4"	56	63	39	PP	2	98.00
341517	16/18	G 1 1/4"	56	66	42	PP	1	72.00
341518	18/20	G 1 1/4"	56	68	44	PP	1	78.00
341519	16/18	G 1 1/2"	66	66	42	PP	1	78.00
341520	18/20	G 1 1/2"	66	68	44	PP	1	80.00
341521	4/6	G 3/4"	38	43	21	PVDF	3	81.00
341522	6/8	G 3/4"	38	47	25	PVDF	3	87.00
341523	8/10	G 3/4"	38	50	28	PVDF	3	90.00
341524	10/12	G 3/4"	38	54	32	PVDF	2	76.00
341525	12/14	G 3/4"	38	59	37	PVDF	2	90.00
341526	6/8	G 1"	46	49	25	PVDF	3	96.00
341527	8/10	G 1"	46	52	28	PVDF	3	96.00
341528	10/12	G 1"	46	56	32	PVDF	2	80.00
341529	12/14	G 1"	46	61	37	PVDF	2	96.00
341530	14/16	G 1"	46	63	39	PVDF	2	98.00
341531	16/18	G 1"	46	66	42	PVDF	1	72.00
341532	10/12	G 1 1/4"	56	56	32	PVDF	2	82.00
341533	12/14	G 1 1/4"	56	61	37	PVDF	2	98.00
341534	14/16	G 1 1/4"	56	63	39	PVDF	1	56.00
341535	16/18	G 1 1/4"	56	66	42	PVDF	1	74.00
341536	18/20	G 1 1/4"	56	68	44	PVDF	1	78.00
341537	16/18	G 1 1/2"	66	66	42	PVDF	1	80.00
341538	18/20	G 1 1/2"	66	68	44	PVDF	1	80.00
341539	4/6	G 3/4"	38	43	21	PFA	1	49.00
341540	6/8	G 3/4"	38	47	25	PFA	1	68.00
341541	8/10	G 3/4"	38	50	28	PFA	1	72.00
341542	10/12	G 3/4"	38	54	32	PFA	1	76.00
341543	12/14	G 3/4"	46	59	37	PFA	1	98.00
341544	6/8	G 1"	46	49	25	PFA	1	72.00
341545	8/10	G 1"	46	52	28	PFA	1	70.00
341546	10/12	G 1"	46	56	32	PFA	1	74.00
341547	12/14	G 1"	46	61	37	PFA	1	94.00
341548	14/16	G 1"	46	63	39	PFA	1	126.00
341549	16/18	G 1"	46	66	42	PFA	1	146.00
341550	10/12	G 1 1/4"	56	56	32	PFA	1	72.00
341551	12/14	G 1 1/4"	56	61	37	PFA	1	96.00
341552	14/16	G 1 1/4"	56	63	39	PFA	1	128.00
341553	16/18	G 1 1/4"	56	66	42	PFA	1	144.00
341554	18/20	G 1 1/4"	56	68	44	PFA	1	168.00
341555	16/18	G 1 1/2"	66	66	42	PFA	1	184.00
341556	18/20	G 1 1/2"	66	68	44	PFA	1	202.00

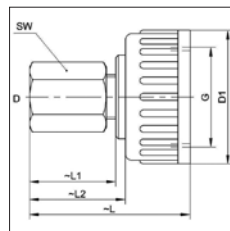
THOMAFLUID®-MULTITEC Pipe Connector made of PP/PVDF/PFA - loose cap nut DIN 8063

Product specification

- Pipe connection on one side, loose cap nut on the other side.

Technical specification

- **Sealing ring:** PTFE (polytetrafluoroethylene)
- **Cutting ring:** PEEK (polyether-etherketone)



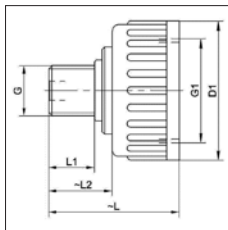
Item	For pipes 0-0 mm	Internal thread	D1 mm	L mm	L2 mm	Material	Unit piece	Price EURO
341557	6	G 3/4"	38	53	31	PP	2	56.00
341558	8	G 3/4"	38	53	31	PP	2	60.00
341559	10	G 3/4"	38	56	34	PP	2	62.00
341560	12	G 3/4"	38	59	37	PP	2	82.00
341561	6	G 1"	46	55	31	PP	2	60.00
341562	8	G 1"	46	55	31	PP	2	64.00
341563	10	G 1"	46	58	34	PP	2	66.00
341564	12	G 1"	46	61	37	PP	2	84.00
341565	14	G 1"	46	61	37	PP	2	98.00
341566	16	G 1"	46	61	37	PP	2	108.00
341567	10	G 1 1/4"	56	61	34	PP	2	70.00
341568	12	G 1 1/4"	56	64	37	PP	2	86.00
341569	14	G 1 1/4"	56	64	37	PP	2	98.00
341570	16	G 1 1/4"	56	64	37	PP	2	110.00
341571	18	G 1 1/4"	56	70	43	PP	1	72.00
341572	20	G 1 1/4"	56	70	43	PP	1	80.00
341573	12	G 1 1/2"	66	68	37	PP	2	92.00
341574	14	G 1 1/2"	66	68	37	PP	2	98.00
341575	16	G 1 1/2"	66	68	37	PP	1	66.00
341576	18	G 1 1/2"	66	74	43	PP	1	76.00
341577	20	G 1 1/2"	66	74	43	PP	1	82.00
341578	22	G 1 1/2"	66	77	46	PP	1	82.00
341579	24	G 1 1/2"	66	77	46	PP	1	88.00
341580	25	G 1 1/2"	66	78	47	PP	1	88.00
341581	6	G 3/4"	38	53	31	PVDF	1	52.00
341582	8	G 3/4"	38	53	31	PVDF	1	62.00
341583	10	G 3/4"	38	56	34	PVDF	1	72.00
341584	12	G 3/4"	38	59	37	PVDF	1	80.00
341585	6	G 1"	46	55	31	PVDF	1	54.00
341586	8	G 1"	46	55	31	PVDF	1	64.00
341587	10	G 1"	46	58	34	PVDF	1	74.00
341588	12	G 1"	46	61	37	PVDF	1	82.00
341589	14	G 1"	46	61	37	PVDF	1	98.00
341590	16	G 1"	46	61	37	PVDF	1	102.00
341591	10	G 1 1/4"	56	61	34	PVDF	1	76.00
341592	12	G 1 1/4"	56	64	37	PVDF	1	82.00
341593	14	G 1 1/4"	56	64	37	PVDF	1	98.00
341594	16	G 1 1/4"	56	64	37	PVDF	1	104.00
341595	18	G 1 1/4"	56	70	43	PVDF	1	106.00
341596	20	G 1 1/4"	56	70	43	PVDF	1	116.00
341597	12	G 1 1/2"	66	68	37	PVDF	1	88.00
341598	14	G 1 1/2"	66	68	37	PVDF	1	104.00
341599	16	G 1 1/2"	66	68	37	PVDF	1	108.00
341600	18	G 1 1/2"	66	74	43	PVDF	1	112.00
341601	20	G 1 1/2"	66	74	43	PVDF	1	120.00

Item	For pipes O-Ø mm	Internal thread	D1 mm	L mm	L2 mm	Material	Unit piece	Price EURO
341602	22	G 1 1/2"	66	77	46	PVDF	1	132.00
341603	24	G 1 1/2"	66	77	46	PVDF	1	142.00
341604	25	G 1 1/2"	66	78	47	PVDF	1	142.00
341605	6	G 3/4"	38	53	31	PFA	1	56.00
341606	8	G 3/4"	38	53	31	PFA	1	72.00
341607	10	G 3/4"	38	56	34	PFA	1	76.00
341608	12	G 3/4"	38	59	37	PFA	1	92.00
341609	6	G 1"	46	55	31	PFA	1	58.00
341610	8	G 1"	46	55	31	PFA	1	68.00
341611	10	G 1"	46	58	34	PFA	1	78.00
341612	12	G 1"	46	61	37	PFA	1	94.00
341613	14	G 1"	46	61	37	PFA	1	104.00
341614	16	G 1"	46	61	37	PFA	1	146.00
341615	10	G 1 1/4"	56	61	34	PFA	1	78.00
341616	12	G 1 1/4"	56	64	37	PFA	1	94.00
341617	14	G 1 1/4"	56	64	37	PFA	1	104.00
341618	16	G 1 1/4"	56	64	37	PFA	1	148.00
341619	18	G 1 1/4"	56	70	43	PFA	1	160.00
341620	20	G 1 1/4"	56	70	43	PFA	1	162.00
341621	12	G 1 1/2"	66	68	37	PFA	1	96.00
341622	14	G 1 1/2"	66	68	37	PFA	1	110.00
341623	16	G 1 1/2"	66	68	37	PFA	1	154.00
341624	18	G 1 1/2"	66	74	43	PFA	1	162.00
341625	20	G 1 1/2"	66	74	43	PFA	1	172.00
341626	22	G 1 1/2"	66	77	46	PFA	1	186.00
341627	24	G 1 1/2"	66	77	46	PFA	1	204.00
341628	25	G 1 1/2"	66	78	47	PFA	1	204.00

THOMAFLUID®-MULTITEC Universal Nipple with Male Thread made of PP/PVDF/PFA - loose cap nut DIN 8063

Product specification

- Male G- or NPT-thread on one side, female G- or NPT-thread on the other side, loose cap nut



Material PP

Item	External thread	Internal thread	D1 mm	L mm	L1 mm	Unit piece	Price EURO
341629	G 1/4"	G 3/4"	38	40	12	5	74.00
341630	G 1/4"	G 1"	46	42	12	5	82.00
341631	G 3/8"	G 1"	46	42.5	12	5	98.00
341632	G 1/2"	G 1"	46	45	14	3	72.00

Item	External thread	Internal thread	D1 mm	L mm	L1 mm	Unit piece	Price EURO
341633	G 3/8"	G 1 1/4"	56	45.5	12	5	92.00
341634	G 1/2"	G 1 1/4"	56	48	14	3	78.00
341635	G 1"	G 1 1/4"	56	52	18	2	88.00
341636	G 1/2"	G 1 1/2"	66	52	14	3	84.00
341637	G 1"	G 1 1/2"	66	56	18	2	94.00
341638	NPT 1/4"	NPT 3/4"	38	40	12	5	74.00
341639	NPT 1/4"	NPT 1"	46	42	12	5	82.00
341640	NPT 3/8"	NPT 1"	46	42.5	12	5	98.00
341641	NPT 1/2"	NPT 1"	46	45	14	3	72.00
341642	NPT 3/8"	NPT 1 1/4"	56	45.5	12	5	92.00
341643	NPT 1/2"	NPT 1 1/4"	56	48	14	3	78.00
341644	NPT 1"	NPT 1 1/4"	56	52	18	2	88.00
341645	NPT 1/2"	NPT 1 1/2"	66	52	14	3	84.00
341646	NPT 1"	NPT 1 1/2"	66	56	18	2	94.00

Material PVDF

Item	External thread	Internal thread	D1 mm	L mm	L1 mm	Unit piece	Price EURO
341647	G 1/4"	G 3/4"	38	40	12	2	64.00
341648	G 1/4"	G 1"	46	42	12	2	68.00
341649	G 3/8"	G 1"	46	42.5	12	2	94.00
341650	G 1/2"	G 1"	46	45	14	1	66.00
341651	G 3/8"	G 1 1/4"	56	45.5	12	2	72.00
341652	G 1/2"	G 1 1/4"	56	48	14	1	68.00
341653	G 1"	G 1 1/4"	56	52	18	1	96.00
341654	G 1/2"	G 1 1/2"	66	52	14	1	74.00
341655	G 1"	G 1 1/2"	66	56	18	1	98.00
341656	NPT 1/4"	NPT 3/4"	38	40	12	2	64.00
341657	NPT 1/4"	NPT 1"	46	42	12	2	68.00
341658	NPT 3/8"	NPT 1"	46	42.5	12	2	94.00
341659	NPT 1/2"	NPT 1"	46	45	14	1	66.00
341660	NPT 3/8"	NPT 1 1/4"	56	45.5	12	2	72.00
341661	NPT 1/2"	NPT 1 1/4"	56	48	14	1	68.00
341662	NPT 1"	NPT 1 1/4"	56	52	18	1	96.00
341663	NPT 1/2"	NPT 1 1/2"	66	52	14	1	74.00
341664	NPT 1"	NPT 1 1/2"	66	56	18	1	98.00

Material PFA

Item	External thread	Internal thread	D1 mm	L mm	L1 mm	Unit piece	Price EURO
341665	G 1/4"	G 3/4"	38	40	12	1	49.00
341666	G 1/4"	G 1"	46	42	12	1	56.00
341667	G 3/8"	G 1"	46	42.5	12	1	80.00
341668	G 1/2"	G 1"	46	45	14	1	112.00
341669	G 3/8"	G 1 1/4"	56	45.5	12	1	54.00
341670	G 1/2"	G 1 1/4"	56	48	14	1	114.00
341671	G 1"	G 1 1/4"	56	52	18	1	148.00
341672	G 1/2"	G 1 1/2"	66	52	14	1	110.00
341673	G 1"	G 1 1/2"	66	56	18	1	154.00
341674	NPT 1/4"	NPT 3/4"	38	40	12	1	49.00
341675	NPT 1/4"	NPT 1"	46	42	12	1	56.00
341676	NPT 3/8"	NPT 1"	46	42.5	12	1	80.00

Item	External thread	Internal thread	D1	L	L1	Unit	Price
			mm	mm	mm	piece	
341677	NPT 1/2"	NPT 1"	46	45	14	1	112.00
341678	NPT 3/8"	NPT 1 1/4"	56	45.5	12	1	54.00
341679	NPT 1/2"	NPT 1 1/4"	56	48	14	1	114.00
341680	NPT 1"	NPT 1 1/4"	56	52	18	1	148.00
341681	NPT 1/2"	NPT 1 1/2"	66	52	14	1	110.00
341682	NPT 1"	NPT 1 1/2"	66	56	18	1	154.00

Bonding and Welding Connectors for Pipes

THOMAFLUID®-Piping System Components made of PVC-U

Application area

- Chemical and pharmaceutical industry, plant and apparatus engineering, environmental technology, process engineering, sewage and water treatment technology, electrical engineering, building and construction industry

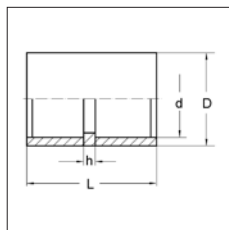
General product specification

- Corrosion-resistant, impact resistant, but sensitive to impact in the cold
- High mechanical stability
- Resistant to salt solutions, diluted, partly also concentrated acids and alkalis, nonpolar solvents, gasoline, mineral oil, greases, alcohol, aliphatic hydrocarbons.
- Not resistant to polar solvents, e.g. esters, chlorinated hydrocarbon, ketones, aromatic hydrocarbons, benzene, liquid halogen, oleum-containing sulfuric acid, concentrated nitric acid.

General technical specification

- Material:** rigid PVC (PVC-U); impact resistant
- Colour:** grey, according to RAL 7011
- Density:** 1.39 g/cm³
- Max. temperature:** +60 °C for neutral media, for a short time +80 °C
- Vicat softening point:** +70 °C to +90 °C (5 kg, DIN 53460)
- Glass transition temperature:** approx. +90 °C
- Shore hardness D:** 83° - 85° (DIN 53505)
- Expansion coefficient:** $0.7 - 0.8 \times 10^{-4} \text{ K}^{-1}$ (DIN 52328)
- Tensile elastic modulus:** 2800 - 3300 N/mm² (DIN 53457)
- Tensile strength:** 55 - 70 N/mm² (DIN 53455)
- Elongation at break:** 8 - 20 % (DIN 53455)
- Limiting flexural stress:** 75 - 100 N/mm² (DIN 53452)
- Volume resistivity:** $>10^{16} \text{ Ohm} \times \text{cm}$ (DIN 53482)
- Surface resistance:** approx. 10^{13} Ohm (DIN 53482)
- El. breakdown strength:** 40 - 50 kV/mm (DIN 53481)

THOMAFLUID®-Straight Connector with Bonded Socket Joints made of PVC-U



Product specification

- Bonded socket joints on both sides

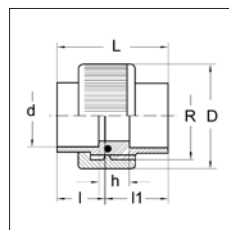
Item	d	D	L	h	Max. op. pressure ¹	Unit	Price
	mm	mm	mm	mm	bar	piece	
350086	6	12	27	3	16	10	28.00
350087	8	14	28	3	16	10	28.00
350088	10	16	28	3	16	10	28.00
350089	12	19	28	3	16	10	28.00
350090	16	26	31	3	16	10	28.00
350091	20	31	35	3	16	10	28.00
350092	25	39	40	3	16	10	28.00
350093	32	49	47	3	16	10	32.00
350094	40	60	55	3	16	10	46.00
350095	50	75	65	3	16	10	58.00
350096	63	89	78	3	16	10	78.00

¹ at +20 °C

THOMAFLUID®-Straight Connector with Bonded Socket Joints made of PVC-U - detachable

Product specification

- Bonded socket joints, with EPDM-sealing



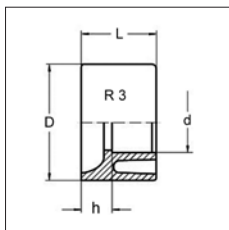
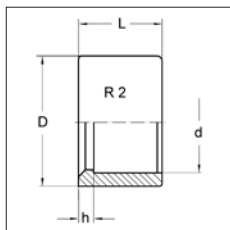
Item	d	D	L	h	External thread	Max. op. pressure ¹	Unit	Price
	mm	mm	mm	mm		bar	piece	
350077	10	31	37	13	R 5/8"	16	5	55.00
350078	12	31	37	13	R 5/8"	16	5	55.00
350079	16	34	41	13	R 3/4"	16	5	58.00
350080	20	42	45	13	R 1"	16	5	58.00
350081	25	53	51	13	R 1 1/4"	16	5	62.00
350082	32	58	58	13	R 1 1/2"	16	5	80.00
350083	40	73	67	15	R 2"	16	5	92.00
350084	50	83	80	17	R 2 1/4"	16	3	70.00
350085	63	103	99	21	R 2 3/4"	16	3	92.00

¹ at +20 °C

THOMAFLUID®-Straight Connector (reducing) with Bonded Socket Joint made of PVC-U

Product specification

- Bonded socket joints on both sides, reducing



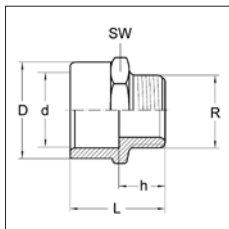
Item	d	D	L	h	Max. op. pressure ¹	Type	Unit	Price
	mm	mm	mm	mm	bar		piece	EURO
350097	8	12	14	2	16	R2	10	22.00
350098	12	16	14	2	16	R2	10	22.00
350099	16	20	16	2	16	R2	10	22.00
350100	16	25	19	3	16	R2	10	27.00
350101	20	25	19	3	16	R2	10	27.00
350102	16	32	22	8	16	R2	10	34.00
350103	20	32	22	6	16	R2	10	34.00
350104	25	32	22	3	16	R2	10	34.00
350105	16	40	26	12	16	R2	10	38.00
350106	20	40	26	10	16	R3	10	38.00
350107	25	40	26	7	16	R3	10	38.00
350108	32	40	26	4	16	R2	10	38.00
350109	20	50	31	15	16	R2	10	44.00
350110	25	50	31	12	16	R2	10	44.00
350111	32	50	31	9	16	R3	10	44.00
350112	40	50	31	5	16	R2	10	44.00
350113	25	63	38	19	16	R2	10	62.00
350114	32	63	38	16	16	R3	10	62.00
350115	40	63	38	12	16	R3	10	62.00
350116	50	63	38	7	16	R2	10	62.00

¹ at +20 °C

THOMAFLUID®-Straight Connector with Bonded Socket Joint and Male Thread made of PVC-U

Product specification

- Bonded socket joint on one side; conical external thread on the other side



Item	d	D	External thread	L	Max. op. pressure ¹	Unit	Price
	mm	mm		mm	bar	piece	EURO
350125	12	16	R 3/8"	35	16	10	40.00
350126	16	20	R 3/8"	40.2	16	10	48.00
350127	16	20	R 1/2"	40.2	16	10	48.00

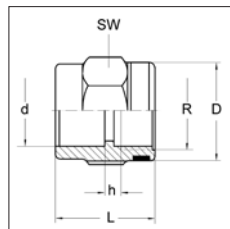
Item	d	D	External thread	L	Max. op. pressure ¹	Unit	Price
	mm	mm		mm	bar	piece	EURO
350128	20	25	R 1/2"	48	16	10	48.00
350129	20	25	R 3/4"	47	16	10	48.00
350130	25	32	R 3/4"	44	16	10	56.00
350131	25	32	R 1"	48	16	10	56.00
350132	32	40	R 1"	50.4	16	10	72.00
350133	32	40	R 1 1/4"	53.4	16	10	72.00
350134	40	50	R 1 1/4"	57	16	10	88.00
350135	40	50	R 1 1/2"	60	16	10	88.00
350136	50	63	R 1 1/4"	65	16	10	114.00

¹ at +20 °C

THOMAFLUID®-Straight Connector with Bonded Socket Joint and Female Thread made of PVC-U

Product specification

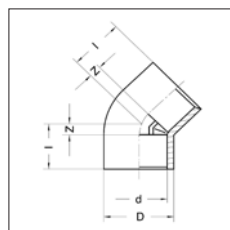
- Bonded socket joint on one side; cylindrical internal thread on the other side



Item	d	Internal thread	D	L	Max. op. pressure ¹	Unit	Price
	mm		mm	mm	bar	piece	EURO
350117	12	R 1/4"	20	27	10	10	65.00
350118	16	R 3/8"	25	30	10	10	71.00
350119	20	R 1/2"	30	36	10	10	74.00
350120	25	R 3/4"	35	40	10	10	84.00
350121	32	R 1"	45	47	10	10	96.00
350122	40	R 1 1/4"	55	52	10	5	56.00
350123	50	R 1 1/2"	65	60	10	5	72.00
350124	63	R 2"	75	72	10	5	90.00

¹ at +20 °C

THOMAFLUID®-Elbow Connector 45° with Bonded Socket Joint made of PVC-U



Product specification

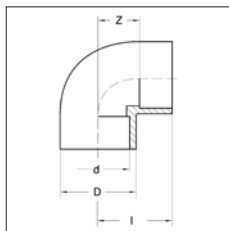
- Bonded socket joints on both sides

Item	d	D	Max. op. pressure ¹	Unit	Price
	mm	mm	bar	piece	EURO
350045	16	23	16	10	49.00
350046	20	28	16	10	49.00
350047	25	34	16	10	49.00
350048	32	41	16	10	54.00
350049	40	51	16	10	76.00
350050	50	61	16	10	100.00
350051	63	77	16	5	76.00

¹ at +20 °C

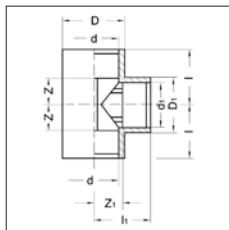
**THOMAFIUID®-Elbow Connector 90°
with Bonded Socket Joint made of PVC-U**
Product specification

- Bonded socket joints on both sides



Item	d	D	Max. op. pressure ¹	Unit	Price
	mm	mm	bar	piece	EURO
350034	6	11	16	10	26.00
350035	8	13	16	10	26.00
350036	10	16	16	10	26.00
350037	12	19	16	10	28.00
350038	16	23	16	10	28.00
350039	20	28	16	10	26.00
350040	25	32	16	10	28.00
350041	32	40	16	10	34.00
350042	40	49	16	10	60.00
350043	50	61	16	10	80.00
350044	63	75	16	10	124.00

¹ at +20 °C

**THOMAFIUID®-T-Shaped Connector
with Bonded Socket Joint made of PVC-U**

Product specification

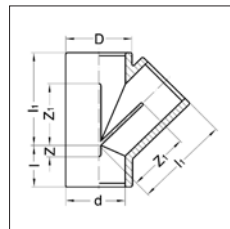
- Bonded socket joints on all three sides

Item	d	D	Max. op. pressure ¹	Unit	Price
	mm	mm	bar	piece	EURO
350052	6	11	16	10	34.00
350053	8	13	16	10	34.00
350054	10	16	16	10	34.00
350055	12	19	16	10	34.00
350056	16	23	16	10	39.00
350057	20	28	16	10	39.00
350058	25	34	16	10	39.00
350059	32	41	16	10	49.00
350060	40	51	16	10	72.00
350061	50	62	16	10	108.00
350062	63	77	16	5	92.00

¹ at +20 °C

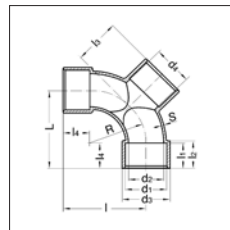
**THOMAFIUID®-Y-Shaped Connector 45°
with Bonded Socket Joint made of PVC-U**
Product specification

- Bonded socket joints on all three sides



Item	d	D	Max. op. pressure ¹	Unit	Price
	mm	mm	bar	piece	EURO
350063	20	28	10	5	62.00
350064	25	33	10	5	64.00
350065	32	41	10	5	74.00
350066	40	51	10	5	106.00
350067	50	63	10	5	114.00
350068	63	77	10	3	108.00

¹ at +20 °C

**THOMAFIUID®-Y-Shaped Connector 90°
with Bonded Socket Joint made of PVC-U**


Product specification

- Bonded socket joints on all three sides

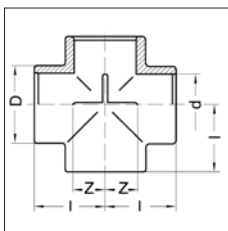
Item	d mm	Max. op. pressure ¹ bar	Unit piece	Price EURO
350069	50	10	5	90.00
350070	63	10	5	102.00

¹ at +20 °C

THOMAFUID®-Cross Connector with Bonded Socket Joint made of PVC-U

Product specification

- Bonded socket joints on all four sides



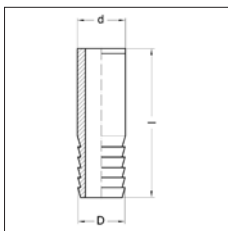
Item	d mm	D mm	Max. op. pressure ¹ bar	Unit piece	Price EURO
350071	20	29	16	5	56.00
350072	25	34	16	5	64.00
350073	32	40	16	5	76.00
350074	40	51	16	5	120.00
350075	50	63	16	3	86.00
350076	63	77	16	3	128.00

¹ at +20 °C

THOMAFUID®-Tubing Nozzle with Bonded Socket Joint made of PVC-U

Product specification

- Bonded socket joint on one side; sawtooth nozzle for tubing connection on the other side



Item	d mm	D mm	l mm	Max. op. pressure ¹ bar	Unit piece	Price EURO
350137	10	8	47	10	10	30.00
350138	12	12	51	10	10	32.00

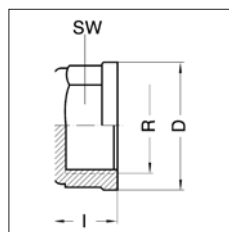
Item	d mm	D mm	l mm	Max. op. pressure ¹ bar	Unit piece	Price EURO
350139	16	16	57	10	10	38.00
350140	20	20	73	10	10	40.00
350141	25	25	79	10	10	46.00
350142	32	30	89	10	10	58.00
350143	40	40	100	10	10	72.00
350144	50	50	114	10	5	58.00
350145	63	60	132	10	5	72.00

¹ at +20 °C

THOMAFUID®-Screw Cap with Female Thread made of PVC-U

Product specification

- Cap with cylindrical internal thread



Item	Internal thread	D mm	l mm	Max. op. pressure ¹ bar	Unit piece	Price EURO
350146	R 1/8"	20	14	10	10	38.00
350147	R 1/4"	26	16	10	10	38.00
350148	R 3/8"	31	19	10	10	40.00
350149	R 1/2"	37	21	10	10	76.00
350150	R 3/4"	43	24	10	10	82.00
350151	R 1"	52	26	10	10	86.00

¹ at +20 °C

THOMAFUID®-Tank Screw Connection made of PVC-U

Application area

- Chemical and pharmaceutical industry, plant and apparatus engineering, environmental technology and process engineering, sewage and water treatment technology

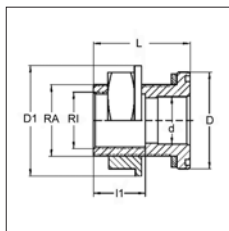
Product specification

- Corrosion-resistant
- Metal-free, therefore no media oxidation
- Free of plasticizers, therefore physiologically indifferent
- Impact resistant, but sensitive to impact in the cold
- High mechanical stability
- Resistant to salt solutions, diluted, partly also concentrated acids and alkalis, nonpolar solvents, gasoline, mineral oil, greases, alcohol, aliphatic hydrocarbons.
- Not resistant to polar solvents, e.g. esters, chlorinated hydrocarbon, ketones, aromatic hydrocarbons, benzene, liquid halogen, oleum-containing sulfuric acid, concentrated nitric acid.
- Tank screw connections for plastic or metal tanks, also suitable for outside areas.

Technical specification**• Material:**

Housing: PVC-U (rigid PVC, polyvinyl chloride)

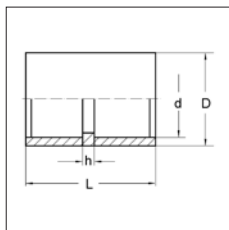
Gaskets: alternatively FPM (fluorinated rubber) or EPDM (ethylene-propylene-diene rubber)

• Max. temperature: +60 °C for neutral media

Item	External thread	Internal thread	L	Material gasket	Unit	Price
			mm		piece	EURO
350022	R 3/4"	R 3/8"	40	EPDM	2	33.00
350023	R 1"	R 1/2"	45	EPDM	2	36.00
350024	R 1"	R 3/4"	45	EPDM	2	36.00
350025	R 1 1/4"	R 1"	60	EPDM	2	40.00
350026	R 2"	R 1 1/2"	74	EPDM	2	44.00
350027	R 2 3/4"	R 2"	80	EPDM	2	60.00
350028	R 3/4"	R 3/8"	40	FPM	2	50.00
350029	R 1"	R 1/2"	45	FPM	2	52.00
350030	R 1"	R 3/4"	45	FPM	2	52.00
350031	R 1 1/4"	R 1"	60	FPM	2	58.00
350032	R 2"	R 1 1/2"	74	FPM	2	68.00
350033	R 2 3/4"	R 2"	80	FPM	1	75.00

THOMAFUID®-Straight Connector with Welding Sleeve made of PP**Product specification**

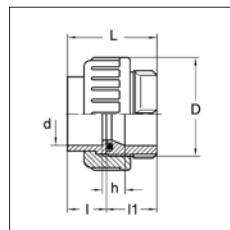
- Connecting sleeves made of PP (polypropylene)
- Connections: welding sleeves on both sides
- Good temperature resistance
- Good chemical resistance
- Resistant to hydrolysis
- Very good dielectrical properties
- Good mechanical stability
- Not resistant to weather and cold (embrittlement)



Item	d	D	L	h	Max. op. pressure ¹	Unit	Price
	mm	mm	mm	mm	bar	piece	EURO
350250	20	27.8	35	6	10	5	30.00
350251	25	33.7	39	7	10	5	32.00
350252	32	42	43	7	10	5	40.00
350253	40	51.5	47	6	10	5	48.00
350254	50	63.3	53	6	10	5	84.00
350255	63	78.6	61	6	10	3	72.00

¹ at +20 °C**THOMAFUID®-Straight Connector with Welding Sleeve made of PP - detachable****Product specification**

- Screw joint made of PP (polypropylene). Gaskets alternatively made of EPDM (ethylene-propylene-diene rubber) or FPM (fluorinated rubber).
- Connections: welding sleeves on both sides
- Good temperature resistance
- Good chemical resistance
- Resistant to hydrolysis
- Very good dielectrical properties
- Good mechanical stability
- Not resistant to weather and cold (embrittlement)

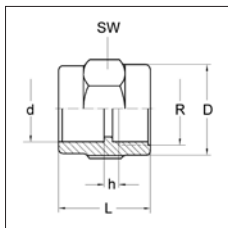


Item	d	L	h	Max. op. pressure ¹	Material gasket	Unit	Price
	mm	mm	mm	bar		piece	EURO
350238	20	45	15	10	EPDM	1	30.00
350239	25	48	15	10	EPDM	1	32.00
350240	32	52	15	10	EPDM	1	38.00
350241	40	59	17	10	EPDM	1	52.00
350242	50	67	19	10	EPDM	1	64.00
350243	63	79	23	10	EPDM	1	82.00
350244	20	45	15	10	FPM	1	34.00
350245	25	48	15	10	FPM	1	38.00
350246	32	52	15	10	FPM	1	46.00
350247	40	59	17	10	FPM	1	56.00
350248	50	67	19	10	FPM	1	68.00
350249	63	79	23	10	FPM	1	94.00

¹ at +20 °C**THOMAFUID®-Straight Connector with Welding Sleeve and Female Thread made of PP****Product specification**

- Adapter threaded sleeves made of PP (polypropylene)
- Connections: cylindrical internal thread on one side, sleeve on the other side

- Good temperature resistance, good chemical resistance
- Resistant to hydrolysis
- Very good dielectrical properties
- Good mechanical stability
- Not resistant to weather and cold (embrittlement)



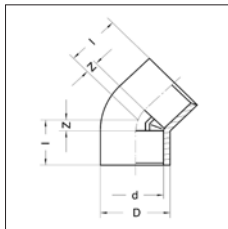
Item	d	Internal thread	L	Max. op. pressure ¹	Unit	Price
	mm		mm	bar	piece	EURO
350256	20	R 1/2"	36	10	5	52.00
350257	25	R 3/4"	39.5	10	5	64.00
350258	32	R 1"	44	10	5	82.00
350259	40	R 1 1/4"	48.5	10	5	98.00
350260	50	R 1 1/2"	53.5	10	3	87.00
350261	63	R 2"	62	10	2	74.00

¹ at +20 °C

THOMAFIUID®-Elbow Connector 45° with Welding Sleeve made of PP

Product specification

- 45° elbow pieces made of PP (polypropylene)
- Connections: welding sleeves on both sides
- Good temperature resistance, good chemical resistance
- Resistant to hydrolysis
- Very good dielectrical properties
- Good mechanical stability
- Not resistant to weather and cold (embrittlement)



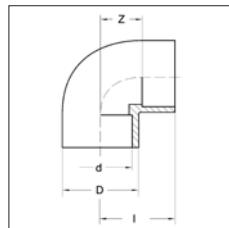
Item	d	D	Max. op. pressure ¹	Unit	Price
	mm	mm	bar	piece	EURO
350226	20	30.5	10	5	54.00
350227	25	36	10	5	62.00
350228	32	43.5	10	5	68.00
350229	40	53	10	5	76.00
350230	50	64	10	5	96.00
350231	63	79	10	3	78.00

¹ at +20 °C

THOMAFIUID®-Elbow Connector 90° with Welding Sleeve made of PP

Product specification

- 90° elbow pieces made of PP (polypropylene)
- Connections: welding sleeves on both sides
- Good temperature resistance
- Good chemical resistance
- Resistant to hydrolysis
- Very good dielectrical properties
- Good mechanical stability
- Not resistant to weather and cold (embrittlement)



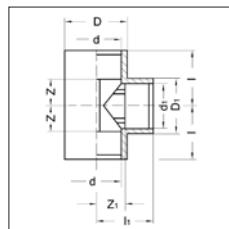
Item	d	D	Max. op. pressure ¹	Unit	Price
	mm	mm	bar	piece	EURO
350220	20	27.8	10	5	38.00
350221	25	33.7	10	5	44.00
350222	32	42	10	5	54.00
350223	40	51.5	10	5	60.00
350224	50	63.3	10	3	66.00
350225	63	78.6	10	2	58.00

¹ at +20 °C

THOMAFIUID®-T-Shaped Connector with Welding Sleeve made of PP

Product specification

- T-shaped pieces made of PP (polypropylene)
- Connections: welding sleeves on all three sides
- Good temperature resistance
- Good chemical resistance
- Resistant to hydrolysis
- Very good dielectrical properties
- Good mechanical stability
- Not resistant to weather and cold (embrittlement)



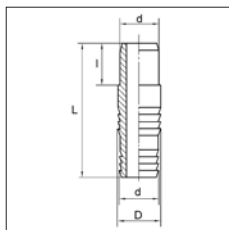
Item	d	D	Max. op. pressure ¹	Unit	Price
	mm	mm	bar	piece	EURO
350232	20	27.8	10	5	45.00
350233	25	33.7	10	5	40.00
350234	32	42	10	5	55.00
350235	40	51.5	10	5	68.00
350236	50	63.3	10	3	66.00
350237	63	78.6	10	2	60.00

¹ at +20 °C

THOMAFIUID®-Tubing Nozzle with Welding Sleeve made of PP

Product specification

- Nozzle for pressure tubing made of PP (polypropylene)
- Good temperature resistance, good chemical resistance
- Resistant to hydrolysis
- Very good dielectrical properties
- Good mechanical stability
- Not resistant to weather and cold (embrittlement)



Item	d	D	I	L	Max. op. pressure ¹	Unit	Price
	mm	mm	mm	mm	bar	piece	EURO
350262	20	22	16	67	10	5	40.00
350263	25	27	18	81	10	5	50.00
350264	32	32	20	95	10	5	60.00
350265	40	42	22	104	10	5	92.00
350266	50	52	25	111	10	3	72.00
350267	63	64	29	122	10	2	62.00

¹ at +20 °C

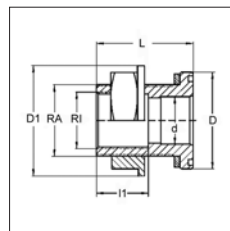
THOMAFIUID®-Tank Screw Connection made of PP

Application area

- Chemical and pharmaceutical industry, plant and apparatus engineering, environmental technology and process engineering, sewage and water treatment technology

Product specification

- Metal-free tank screw connections made of PP (polypropylene) for plastic or metal tanks. Gaskets alternatively made of FPM (fluorinated rubber) or EPDM (ethylene-propylene-diene rubber)
- Good temperature resistance, good chemical resistance
- Resistant to hydrolysis
- Very good dielectrical properties
- Good mechanical stability
- Not resistant to weather and cold (embrittlement)

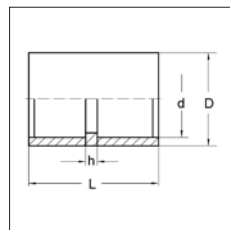


Item	External thread	Internal thread	L	Material gasket	Unit	Price
			mm		piece	EURO
350208	G 3/4"	G 3/8"	40	EPDM	2	25.00
350209	G 1"	G 1/2"	45	EPDM	2	29.00
350210	G 1"	G 3/4"	45	EPDM	2	29.00
350211	G 1 1/4"	G 1"	60	EPDM	2	32.00
350212	G 2"	G 1 1/2"	74	EPDM	2	35.00
350213	G 2 3/4"	G 2"	80	EPDM	2	40.00
350214	G 3/4"	G 3/8"	40	FPM	2	36.00
350215	G 1"	G 1/2"	45	FPM	2	36.00
350216	G 1"	G 3/4"	45	FPM	2	36.00
350217	G 1 1/4"	G 1"	60	FPM	2	38.00
350218	G 2"	G 1 1/2"	74	FPM	2	44.00
350219	G 2 3/4"	G 2"	80	FPM	1	64.00

THOMAFIUID®-Straight Connector with Welding Sleeve made of PVDF

Product specification

- Connecting sleeve made of polyvinylidene fluoride
- Connections: welding sleeves on both sides
- Good mechanical stability, high dimensional stability
- Tough even at low temperatures
- Resistant to weather and UV radiation
- Good temperature resistance
- Good to very good chemical resistance



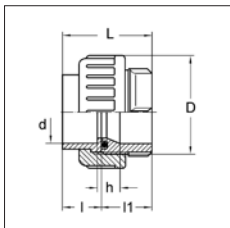
Item	d	D	L	h	Max. op. pressure ¹	Unit	Price
	mm	mm	mm	mm	bar	piece	EURO
350289	20	27.5	36	7	16	5	58.00
350290	25	33	40	8	16	5	68.00
350291	32	41.6	44	8	16	5	90.00
350292	40	50.8	48.5	7.5	16	3	72.00
350293	50	62.8	55	8	16	1	62.00
350294	63	75.7	64	9	16	1	80.00

¹ at +20 °C

THOMAFLUID®-Straight Connector with Welding Sleeve made of PVDF - detachable

Product specification

- Screw connector made of polyvinylidene fluoride, gasket made of FPM
- Connections: welding sleeves on both sides
- Good mechanical stability
- High dimensional stability
- Tough even at low temperatures
- Resistant to weather and UV radiation
- Good temperature resistance
- Good to very good chemical resistance



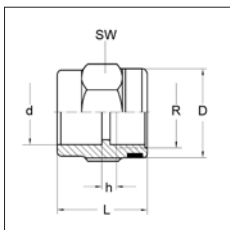
Item	d	D	L	h	Max. op. pressure ¹	Unit	Price
	mm	mm	mm	mm	bar	piece	EURO
350282	16	35	42	17	16	1	36.00
350283	20	47	45	17	16	1	42.00
350284	25	57	49	17	16	1	51.00
350285	32	64	53	17	16	1	68.00
350286	40	78	59	19	16	1	92.00
350287	50	89	67	21	16	1	126.00
350288	63	109	79	25	16	1	180.00

¹ at +20 °C

THOMAFLUID®-Straight Connector with Welding Sleeve and Female Thread made of PVDF

Product specification

- Adapter threaded sleeve made of polyvinylidene fluoride
- Connections: cylindrical internal thread on one side, sleeve on the other side
- Good mechanical stability
- High dimensional stability
- Tough even at low temperatures
- Resistant to weather and UV radiation
- Good temperature resistance
- Good to very good chemical resistance



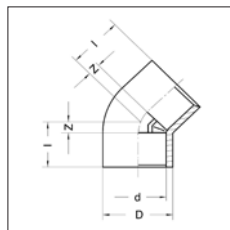
Item	d	Internal thread	L	h	Max. op. pressure ¹	Unit	Price
	mm		mm	mm	bar	piece	EURO
350295	20	R 1/2"	35	7	16	3	66.00
350296	25	R 3/4"	39	7	16	2	52.00
350297	32	R 1"	45	8	16	2	66.00
350298	40	R 1 1/4"	49	8	16	1	56.00
350299	50	R 1 1/2"	54	9	16	1	68.00
350300	63	R 2"	62	9	16	1	92.00

¹ at +20 °C

THOMAFLUID®-Elbow Connector 45° with Welding Sleeve made of PVDF

Product specification

- 45° elbow piece made of polyvinylidene fluoride
- Connections: welding sleeves on both sides
- Good mechanical stability
- High dimensional stability
- Tough even at low temperatures
- Resistant to weather and UV radiation
- Good temperature resistance
- Good to very good chemical resistance



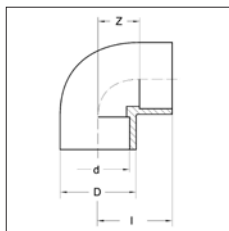
Item	d	D	Max. op. pressure ¹	Unit	Price
	mm	mm	bar	piece	EURO
350301	20	22.5	16	3	57.00
350302	25	32	16	3	69.00
350303	32	40	16	3	78.00
350304	40	49	16	1	42.00
350305	50	59.5	16	1	51.00
350306	63	74.5	16	1	81.00

¹ at +20 °C

THOMAFLUID®-Elbow Connector 90° with Welding Sleeve made of PVDF

Product specification

- 90° elbow piece made of polyvinylidene fluoride
- Connections: welding sleeves on both sides
- Good mechanical stability
- High dimensional stability
- Tough even at low temperatures
- Resistant to weather and UV radiation
- Good temperature resistance
- Good to very good chemical resistance



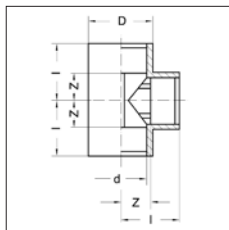
Item	d	D	Max. op. pressure ¹	Unit	Price
	mm	mm	bar	piece	EURO
350268	16	21.5	10	3	51.00
350269	20	27.5	10	3	51.00
350270	25	33	10	3	57.00
350271	32	41	10	1	34.00
350272	40	51.5	10	1	52.00
350273	50	62.5	10	1	70.00
350274	63	77	10	1	118.00

¹ at +20 °C

THOMAFUID®-T-Shaped Connector with Welding Sleeve made of PVDF

Product specification

- T-shaped connecting piece made of polyvinylidene fluoride
- Connections: welding sleeves on both sides
- Good mechanical stability
- High dimensional stability
- Tough even at low temperatures
- Resistant to weather and UV radiation
- Good temperature resistance
- Good to very good chemical resistance



Item	d	D	Max. op. pressure ¹	Unit	Price
	mm	mm	bar	piece	EURO
350275	16	21.5	16	3	80.00
350276	20	27.5	16	3	80.00
350277	25	33	16	2	60.00
350278	32	41	16	1	40.00
350279	40	51	16	1	60.00
350280	50	63	16	1	86.00
350281	63	78.5	16	1	135.00

¹ at +20 °C

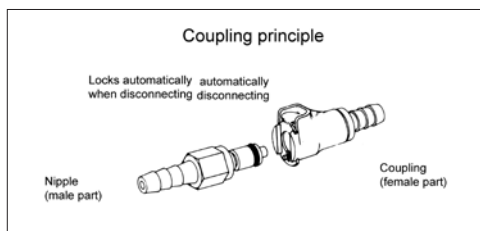
Two-Part Connectors - Plastics

THOMAFUID®-Quick-Disconnect Couplings

- THOMAFUID®-quick-disconnect coupling systems 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 system consists of a coupling part and a nipple part, both parts may be fitted with valves. A complete quick-disconnect coupling system 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 on both sides, a coupling part as well as a nipple part, both with shut-off, have to be obtained.



Quick-lock coupling system principle



Quick-lock coupling system principle

POM Quick-Disconnect Couplings

THOMAFUID®-POM Quick-Disconnect Couplings

Application area

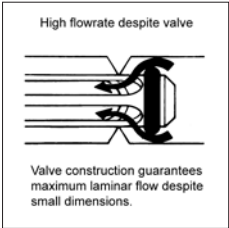
- For compressed air, gases, liquids, and vacuum, floor cleaning equipment, filtration of deionized water, dispensing equipment, automated machines, compression therapy, leak detectors

General product specification

- The coupling parts (couplings and nipples) 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, glycols and motor oils, within the pH range of 4 to 9 also to alkalis and acids.



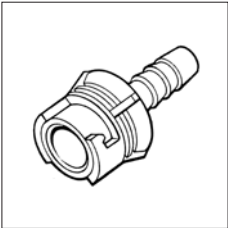
POM coupling parts



Valve



40919, 40921



40919, 40921

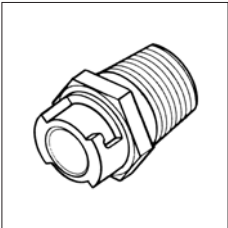
THOMAFUID®-POM Quick-Disconnect Coupling
Parts, NW 3.2 mm

General technical specification

- **Material:**
Housing: POM (polyacetal, polyoxymethylene)
Gaskets: NBR (butadiene-rubber)
Clip locking: stainless steel 316
- **Temperature range:** -40 to +82 °C
- **Max. operating pressure:**
Type micro: 8.3 bar at +20 °C
Type standard: 6.9 bar at +20 °C



40929, 40930

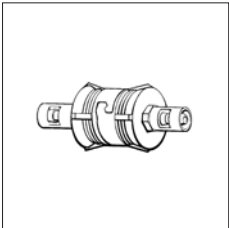


40929, 40930

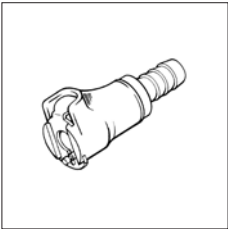
THOMAFUID®-POM Quick-Disconnect Coupling /
Nipple, NW 3.2 mm

Product specification

- Complete coupling system with port or shut-off and hose nozzle on both sides for piping connection. Consisting of a male and a female coupling part.



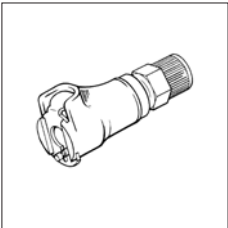
51324, 51353



51324, 51353



51275, 51329



51275, 51329

Item	Connection type	Valve	Length	Type	Unit	Price
			mm			piece EURO
40913	nozzle 1.6 mm	without	34	micro	3	39.00
40914	nozzle 3.2 mm	without	41	micro	3	39.00
40915	nozzle 1.6 mm	with	37	micro	3	69.00
40916	nozzle 3.2 mm	with	41	micro	3	69.00

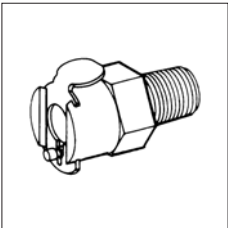
THOMAFUID®-POM Quick-Disconnect Coupling,
NW 3.2 mm

Product specification

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



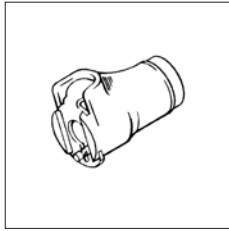
51260, 51283



51260, 51283



51298, 51356



51298, 51356

Item	Connection type	Valve	Length mm	Type	Unit piece	Price EURO
40919	nozzle 1.6 mm	without	19	micro	3	24.00
40920	nozzle 3.2 mm	without	23	micro	3	24.00
40921	nozzle 1.6 mm	with	23	micro	3	60.00
40922	nozzle 3.2 mm	with	23	micro	3	60.00
40929	ext. thread NPT 1/8"	with	22	micro	3	27.00
40930	ext. thread NPT 1/8"	without	22	micro	3	27.00
51324	nozzle 1.6 mm	without	36	standard	1	19.00
51277	nozzle 3.2 mm	without	42	standard	1	19.00
51394	nozzle 4.8 mm	without	47	standard	1	19.00
51278	nozzle 6.4 mm	without	47	standard	1	19.00
51275	pipe 4 mm	without	42	standard	1	22.00
51276	pipe 6.4 mm	without	45	standard	1	22.00
51260	ext. thread NPT 1/8"	without	25	standard	1	19.00
51261	ext. thread NPT 1/4"	without	28	standard	1	19.00
51298	int. thread UNF 10-32	without	32	standard	1	20.00
51353	nozzle 1.6 mm	with	36	standard	1	23.00
51300	nozzle 3.2 mm	with	42	standard	1	23.00
51354	nozzle 4.8 mm	with	47	standard	1	23.00
51301	nozzle 6.4 mm	with	47	standard	1	25.00
51329	pipe 4 mm	with	42	standard	1	25.00
51299	pipe 6.4 mm	with	45	standard	1	27.00
51283	ext. thread NPT 1/8"	with	25	standard	1	19.00
51284	ext. thread NPT 1/4"	with	28	standard	1	20.00
51356	int. thread UNF 10-32	with	32	standard	1	24.00

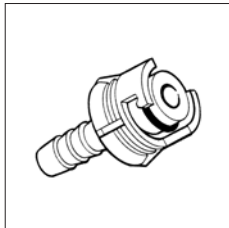
THOMAFIUID®-POM Quick-Disconnect Nipple, NW 3.2 mm

Product specification

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



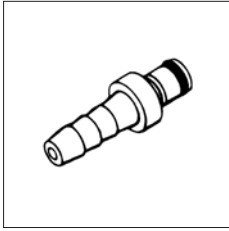
40917, 40918



40917, 40918



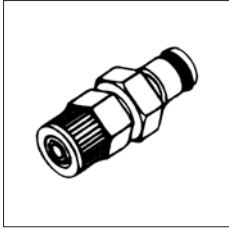
51359, 51378



51359, 51378



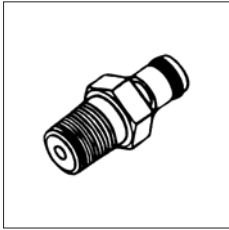
51358, 51377



51358, 51377



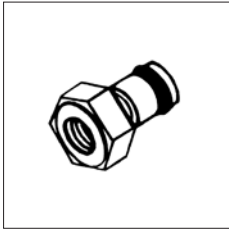
51330, 51306



51330, 51306



51357, 51376



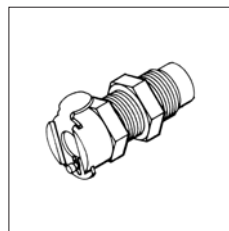
51357, 51376

Item	Connection type	Valve	Length mm	Type	Unit piece	Price EURO
40917	nozzle 1.6 mm	without	19	micro	3	24.00
40918	nozzle 3.2 mm	without	23	micro	3	24.00
51359	nozzle 1.6 mm	without	20	standard	1	12.00
51316	nozzle 3.2 mm	without	27	standard	1	12.00
51361	nozzle 4.8 mm	without	31	standard	1	12.00
51317	nozzle 6.4 mm	without	31	standard	1	12.00
51358	pipe 4 mm	without	29	standard	1	13.00
51311	pipe 6.4 mm	without	29	standard	1	13.00
51312	pipe 9.5 mm	without	36	standard	1	13.00
51306	ext. thread NPT 1/8"	without	26	standard	1	13.00
51307	ext. thread NPT 1/4"	without	29	standard	1	13.00

Item	Connection type	Valve	Length mm	Type	Unit piece	Price EURO
51357	int. thread UNF 10-32	without	16	standard	1	12.00
51378	nozzle 1.6 mm	with	27	standard	1	21.00
51340	nozzle 3.2 mm	with	42	standard	1	21.00
51379	nozzle 4.8 mm	with	48	standard	1	21.00
51341	nozzle 6.4 mm	with	43	standard	1	21.00
51377	pipe 4 mm	with	42	standard	1	21.00
51335	pipe 6.4 mm	with	40	standard	1	23.00
51336	pipe 9.5 mm	with	39	standard	1	27.00
51330	ext. thread NPT 1/8"	with	37	standard	1	23.00
51331	ext. thread NPT 1/4"	with	36	standard	1	23.00
51376	int. thread UNF 10-32	with	33	standard	1	18.00



51320, 51313



51320, 51313

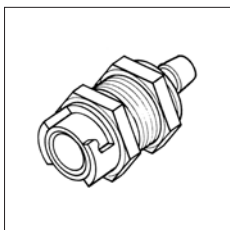
THOMAFUID®-POM Quick-Disconnect Coupling, NW 3.2 mm - Control Panel

Product specification

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



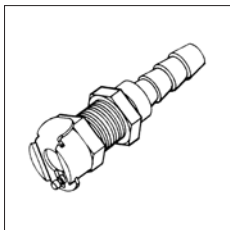
40925, 40927



40925, 40927



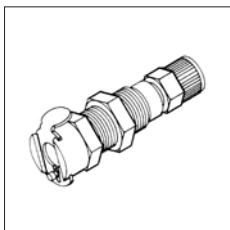
51267, 51290



51267, 51290



51264, 51287



51264, 51287

Item	Connection type	Valve	Control panel bore mm	Length mm	Type	Unit piece	Price EURO
40925	nozzle 1.6 mm	without	11	19	micro	3	33.00
40926	nozzle 3.2 mm	without	11	23	micro	3	33.00
40927	nozzle 1.6 mm	with	11	23	micro	3	75.00
40928	nozzle 3.2 mm	with	11	23	micro	3	75.00
51267	nozzle 1.6 mm	without	13	36	standard	1	22.00
51268	nozzle 3.2 mm	without	13	42	standard	1	22.00
51272	nozzle 4.8 mm	without	13	47	standard	1	22.00
51269	nozzle 6.4 mm	without	13	47	standard	1	22.00
51264	pipe 4 mm	without	13	43	standard	1	23.00
51265	pipe 6.4 mm	without	13	44	standard	1	23.00
51320	int. thread UNF 10-32	without	13	32	standard	1	22.00
51290	nozzle 1.6 mm	with	13	36	standard	1	25.00
51291	nozzle 3.2 mm	with	13	42	standard	1	25.00
51305	nozzle 4.8 mm	with	13	47	standard	1	25.00
51292	nozzle 6.4 mm	with	13	47	standard	1	25.00
51287	pipe 4 mm	with	13	43	standard	1	27.00
51288	pipe 6.4 mm	with	13	44	standard	1	27.00
51313	int. thread UNF 10-32	with	13	32	standard	1	25.00

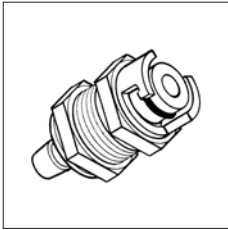
THOMAFUID®-POM Quick-Disconnect Nipple, NW 3.2 mm - Control Panel

Product specification

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



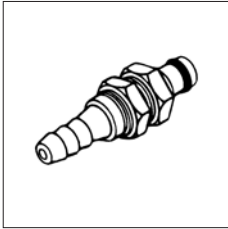
40923, 40924



40923, 40924



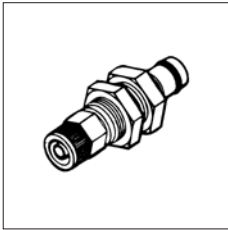
51363, 51381



51363, 51381



51369, 51387



51369, 51387

Item	Connec. type	Valve	Control panel bore mm	Length mm	Type	Unit piece	Price EURO
40923	nozzle 1.6 mm	without	11	19	micro	3	33.00
40924	nozzle 3.2 mm	without	11	23	micro	3	33.00
51363	nozzle 3.2 mm	without	13	41	standard	1	14.00
51364	nozzle 4.8 mm	without	13	47	standard	1	14.00
51365	nozzle 6.4 mm	without	13	47	standard	1	14.00
51369	pipe 6.4 mm	without	13	45	standard	1	17.00
51381	nozzle 3.2 mm	with	16	45	standard	1	24.00
51382	nozzle 4.8 mm	with	16	50	standard	1	24.00
51383	nozzle 6.4 mm	with	16	50	standard	1	24.00
51387	pipe 6.4 mm	with	16	46	standard	1	22.00

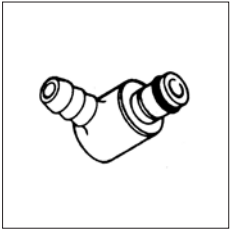
THOMAFUID®-POM Elbow Quick-Disconnect Nipple, NW 3.2 mm

Product specification

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



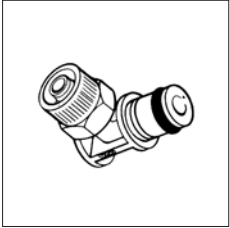
10289, 10285



10289, 10285



10295, 10293



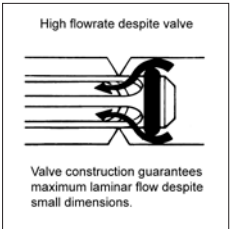
10295, 10293

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
10289	nozzle 3.2 mm	without	22	1	17.00
10290	nozzle 6.4 mm	without	25	1	17.00
10295	pipe 4 mm	without	30	1	17.00
10285	nozzle 3.2 mm	with	31	1	21.00
10286	nozzle 6.4 mm	with	31	1	21.00
10293	pipe 6.4 mm	with	31	1	21.00

THOMAFUID®-POM Quick-Disconnect Coupling Parts, NW 5 mm



POM coupling parts



Valve

General technical specification

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

THOMAFUID®-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. Can be combined with all male coupling parts of nominal width 5 mm.



15847



15851



15855



15857

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
15847	nozzle 4 mm	with	60	1	20.00
15848	nozzle 6 mm	with	60	1	20.00
15851	pipe 6 mm	with	56	1	22.00
15852	pipe 8 mm	with	56	1	22.00
15855	ext. thread G 1/8"	with	50	1	20.00
15856	ext. thread G 1/4"	with	52	1	20.00
15857	int. thread G 1/8"	with	53	1	20.00
15858	int. thread G 1/4"	with	39	1	20.00

THOMAFUID®-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. Can be combined with all female coupling parts of nominal width 5 mm.



15871



15875



15879



15881

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
15871	nozzle 4 mm	without	32	5	25.00
15872	nozzle 6 mm	without	32	5	25.00
15875	pipe 6 mm	without	32	5	39.00
15876	pipe 8 mm	without	32	5	39.00
15879	ext. thread G 1/8"	without	25	5	39.00
15880	ext. thread G 1/4"	without	28	5	39.00
15881	int. thread G 1/8"	without	25	5	39.00
15882	int. thread G 1/4"	without	26	5	39.00
15895	nozzle 4 mm	with	46	1	19.00
15896	nozzle 6 mm	with	46	1	19.00
15899	pipe 6 mm	with	42	1	19.00
15900	pipe 8 mm	with	42	1	19.00
15903	ext. thread G 1/8"	with	36	1	19.00
15904	ext. thread G 1/4"	with	38	1	19.00
15905	int. thread G 1/8"	with	39	1	19.00
15906	int. thread G 1/4"	with	41	1	19.00

THOMAFUID®-POM Quick-Disconnect Coupling, NW 5 mm - Control Panel



15849, 15850



15853, 15854

Product specification

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

Item	Connection type	Valve	Control panel bore mm	Length mm	Unit piece	Price EURO
15849	nozzle 4 mm	with	10	74	1	29.00
15850	nozzle 6 mm	with	12	74	1	29.00
15853	pipe 6 mm	with	10	68	1	32.00
15854	pipe 8 mm	with	12	68	1	32.00

THOMAFUID®-POM Quick-Disconnect Nipple, NW 5 mm - Control Panel

Product specification

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



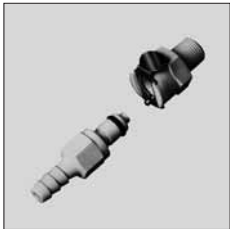
15873



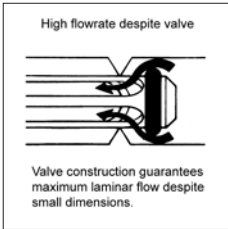
15877

Item	Connection type	Valve	Control panel bore mm	Length mm	Unit piece	Price EURO
15873	nozzle 4 mm	without	10	50	5	39.00
15874	nozzle 6 mm	without	12	50	5	39.00
15877	pipe 6 mm	without	10	44	5	46.00
15878	pipe 8 mm	without	12	44	5	46.00
15897	nozzle 4 mm	with	10	60	1	20.00
15898	nozzle 6 mm	with	12	60	1	20.00
15901	pipe 6 mm	with	10	54	1	21.00
15902	pipe 8 mm	with	12	54	1	21.00

THOMAFUID®-POM Quick-Disconnect Coupling Parts, NW 6.4 mm



POM coupling parts



Valve

General technical specification

- Material:
 - Housing: POM (polyacetal, polyoxymethylene)
 - Gaskets: NBR (butadiene-rubber)
 - Clip locking: stainless steel 316
- Temperature range: -40 to +82 °C
- Max. operating pressure: 8.3 bar at +20 °C

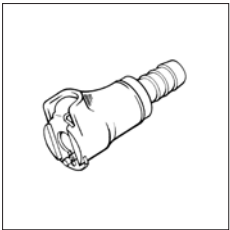
THOMAFUID®-POM Quick-Disconnect Coupling, NW 6.4 mm

Product specification

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



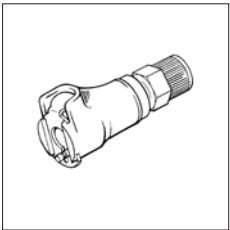
51280, 51303



51280, 51303



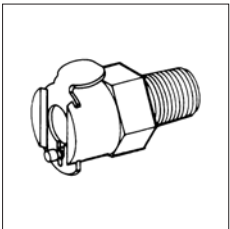
51279, 51302



51279, 51302



51262, 51285



51262, 51285

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
51280	nozzle 6.4 mm	without	50	1	22.00
51315	nozzle 8 mm	without	50	1	22.00
51281	nozzle 9.5 mm	without	50	1	22.00
51279	pipe 9.5 mm	without	50	1	35.00
51262	ext. thread NPT 1/4"	without	30	1	26.00
51263	ext. thread NPT 3/8"	without	29	1	26.00
51303	nozzle 6.4 mm	with	50	1	27.00
51355	nozzle 8 mm	with	50	1	27.00

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
51304	nozzle 9.5 mm	with	50	1	27.00
51302	pipe 9.5 mm	with	50	1	38.00
51285	ext. thread NPT 1/4"	with	30	1	26.00
51286	ext. thread NPT 3/8"	with	29	1	30.00

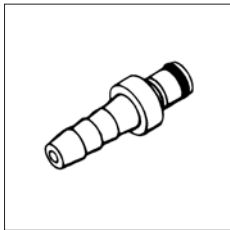
THOMAFUID®-POM Quick-Disconnect Nipple,
NW 6.4 mm

Product specification

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



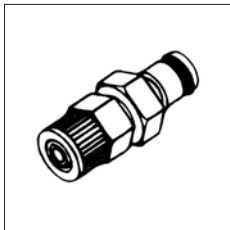
51318, 51342



51318, 51342



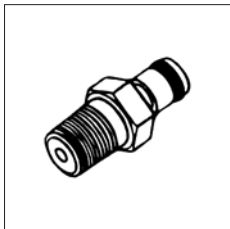
51314, 51338



51314, 51338



51308, 51332



51308, 51332

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
51318	nozzle 6.4 mm	without	34	1	12.00
51362	nozzle 8 mm	without	34	1	12.00
51319	nozzle 9.5 mm	without	35	1	12.00
51314	pipe 9.5 mm	without	35	1	14.00
51308	ext. thread NPT 1/4"	without	32	1	13.00
51309	ext. thread NPT 3/8"	without	32	1	15.00
51342	nozzle 6.4 mm	with	51	1	22.00

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
51380	nozzle 8 mm	with	51	1	22.00
51343	nozzle 9.5 mm	with	46	1	22.00
51338	pipe 9.5 mm	with	46	1	27.00
51332	ext. thread NPT 1/4"	with	42	1	23.00
51333	ext. thread NPT 3/8"	with	41	1	23.00

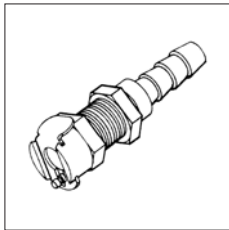
THOMAFUID®-POM Quick-Disconnect Coupling,
NW 6.4 mm - Control Panel

Product specification

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



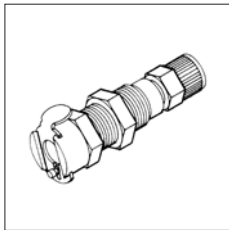
51270, 51294



51270, 51294



51266, 51289



51266, 51289

Item	Connection type	Valve	Control panel bore mm	Length mm	Unit piece	Price EURO
51270	nozzle 6.4 mm	without	18	50	1	35.00
51282	nozzle 8 mm	without	18	50	1	35.00
51271	nozzle 9.5 mm	without	18	50	1	35.00
51266	pipe 9.5 mm	without	18	50	1	34.00
51294	nozzle 6.4 mm	with	18	50	1	30.00
51310	nozzle 8 mm	with	18	50	1	30.00
51295	nozzle 9.5 mm	with	18	50	1	30.00
51289	pipe 9.5 mm	with	18	50	1	40.00

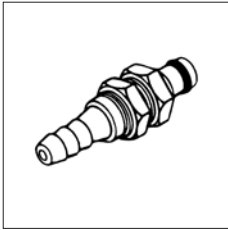
THOMAFUID®-POM Quick-Disconnect Nipple,
NW 6.4 mm - Control Panel

Product specification

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



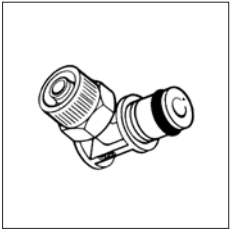
51366, 51384



51366, 51384



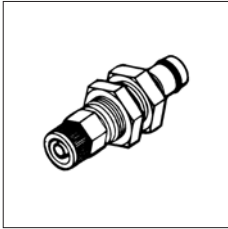
10296, 10294



10296, 10294



51370, 51388



51370, 51388

Item	Connection type	Valve	Control panel bore mm	Length mm	Unit piece	Price EURO
51366	nozzle 6.4 mm	without	18	49	1	15.00
51367	nozzle 8 mm	without	18	49	1	15.00
51368	nozzle 9.5 mm	without	18	49	1	15.00
51370	pipe 6.4 mm	without	18	45	1	17.00
51371	pipe 9.5 mm	without	18	45	1	17.00
51384	nozzle 6.4 mm	with	23	52	1	25.00
51385	nozzle 8 mm	with	23	52	1	25.00
51386	nozzle 9.5 mm	with	23	52	1	25.00
51388	pipe 6.4 mm	with	23	49	1	24.00
51389	pipe 9.5 mm	with	23	52	1	24.00

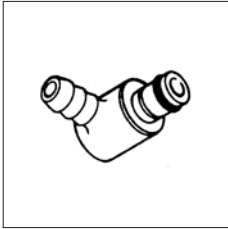
THOMAFUID®-POM Elbow Quick-Disconnect Nipple, NW 6.4 mm

Product specification

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



10291, 10287



10291, 10287

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
10291	nozzle 6.4 mm	without	28	1	17.00
10292	nozzle 9.5 mm	without	32	1	17.00
10296	pipe 9.5 mm	without	30	1	17.00
10287	nozzle 6.4 mm	with	33	1	21.00
10288	nozzle 9.5 mm	with	33	1	21.00
10294	pipe 9.5 mm	with	34	1	21.00

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

General product specification

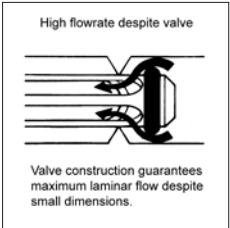
- This series with nominal width 6.4 mm has a plastic release button, a lower number of movable parts and a construction with smooth contours, therefore easy to operate delivering an excellent flow rate at compact size.

General technical specification

- **Material:**
Housing: POM (polyacetal, polyoxymethylene)
Gaskets: NBR (butadiene-rubber)
Clip locking: POM (polyacetal, polyoxymethylene)
- **Temperature range:** -40 to +82 °C
- **Max. operating pressure:** 8.3 bar at +20 °C



POM full plastic coupling parts



Valve

THOMAFUID®-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. Can be combined with all male coupling parts of the series 16208-16212.



16204



16206

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
16204	ext. thread NPT 1/4"	with	36	2	19.00
16205	ext. thread NPT 3/8"	with	36	2	19.00
16206	nozzle 6.4 mm	with	53	2	19.00
16207	nozzle 9.5 mm	with	53	2	19.00

THOMAFUID®-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. Can be combined with all female coupling parts of the series 16204-16207.



16208



16209



16210



16211



16212



16213

Item	Connection type	Valve	Length mm	Design	Unit piece	Price EURO
16208	ext. thread NPT 1/4"	with	45	straight	2	15.00
16209	nozzle 6.4 mm	with	53	straight	2	15.00
16210	nozzle 9.5 mm	with	49	straight	2	15.00
16211	nozzle 6.4 mm	with	37	elbow	2	20.00
16212	nozzle 9.5 mm	with	38	elbow	2	20.00

THOMAFUID®-POM Quick-Disconnect Coupling Parts, NW 7 mm

General product specification

- Temperature and pressure loadable plug-in coupling parts 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: stainless steel 1.4310

- **Temperature range:** -20 to +80 °C

- **Max. operating pressure:** 10 bar at +20 °C

THOMAFUID®-POM Quick-Disconnect Coupling, NW 7 mm

Product specification

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



15919, 15920, 15921



15925, 15926, 15927

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
15919	nozzle 6 mm	with	81	1	24.00
15920	nozzle 9 mm	with	81	1	24.00
15921	nozzle 13 mm	with	84	1	25.00
15922	ext. thread G 1/4"	with	70.5	1	24.00
15923	ext. thread G 3/8"	with	67	1	24.00
15924	ext. thread G 1/2"	with	73.5	1	25.00
15925	int. thread G 1/4"	with	63.5	1	24.00
15926	int. thread G 3/8"	with	63.5	1	24.00
15927	int. thread G 1/2"	with	74.5	1	25.00

THOMAFUID®-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. Can be combined with all female coupling parts of nominal width 7 mm.



15931, 15932, 15933



15934, 15935, 15936

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
15928	nozzle 6 mm	without	47	5	31.00
15929	nozzle 9 mm	without	47	5	31.00
15930	nozzle 13 mm	without	50	3	33.00
15931	ext. thread G 1/4"	without	38.5	3	33.00
15932	ext. thread G 3/8"	without	38.5	3	33.00
15933	ext. thread G 1/2"	without	41.5	3	33.00
15934	int. thread G 1/4"	without	35.5	3	33.00
15935	int. thread G 3/8"	without	35.5	3	33.00
15936	int. thread G 1/2"	without	38.5	3	39.00
15937	nozzle 6 mm	with	35.5	1	21.00
15938	nozzle 9 mm	with	35.5	1	21.00
15939	nozzle 13 mm	with	65.5	1	23.00
15940	ext. thread G 1/4"	with	55	1	22.00
15941	ext. thread G 3/8"	with	51.5	1	22.00
15942	ext. thread G 1/2"	with	58	1	24.00
15943	int. thread G 1/4"	with	48	1	22.00
15944	int. thread G 3/8"	with	48	1	22.00
15945	int. thread G 1/2"	with	53	1	24.00

THOMAFUID®-POM Quick-Disconnect Coupling Parts, NW 12.2 mm

General product specification

- Macro high-flow quick-disconnect coupling parts

General technical specification

• Material:

Housing: POM grey (polyacetal, polyoxymethylene)

Gasket: NBR (butadiene-rubber)

Pressure springs: stainless steel 1.4571

- **Temperature range:** -20 to +80 °C

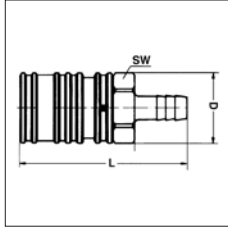
- **Max. operating pressure:** 10 bar at +20 °C

- **Cross sectional area of port:** 120 mm²

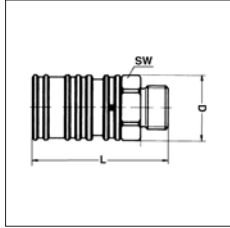
THOMAFUID®-POM Quick-Disconnect Coupling, NW 12.2 mm

Product specification

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



16013



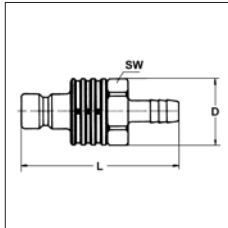
16015

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
16013	nozzle 16 mm	with	100	1	70.00
16014	nozzle 19 mm	with	100	1	70.00
16015	ext. thread G 1/2"	with	80	1	70.00
16016	ext. thread G 3/4"	with	82	1	70.00
16017	int. thread G 1/2"	with	81	1	70.00
16018	int. thread G 3/4"	with	83	1	70.00

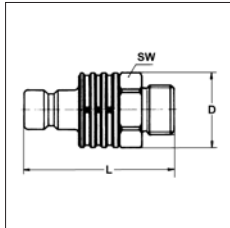
THOMAFUID®-POM Quick-Disconnect Nipple, NW 12.2 mm

Product specification

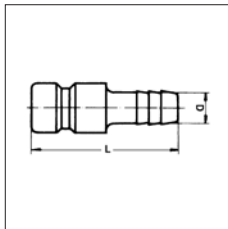
- Male coupling part. With port or shut-off and hose nozzle or thread for piping connection. Can be combined with all female coupling parts of nominal width 12.2 mm.



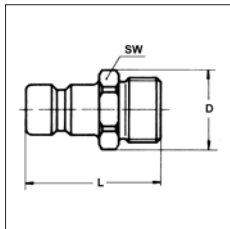
16019, 16020



16021, 16022



16025, 16026, 16027



16028, 16029

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
16019	nozzle 16 mm	with	98	1	44.00
16020	nozzle 19 mm	with	98	1	44.00
16021	ext. thread G 1/2"	with	78	1	44.00
16022	ext. thread G 3/4"	with	80	1	44.00
16023	int. thread G 1/2"	with	79	1	44.00
16024	int. thread G 3/4"	with	81	1	44.00
16025	nozzle 13 mm	without	61	1	17.00
16026	nozzle 16 mm	without	66	1	17.00
16027	nozzle 19 mm	without	68.5	1	17.00
16028	ext. thread G 1/2"	without	52.5	1	17.00
16029	ext. thread G 3/4"	without	54.5	1	17.00
16030	int. thread G 1/2"	without	54.5	1	17.00
16031	int. thread G 3/4"	without	52.5	1	17.00

THOMAFLUID®-POM Quick-Disconnect Coupling
Parts, NW 30 mm

General product specification

- Macro high-flow quick-disconnect coupling parts.
- Pressure loadable plug-in coupling parts with very large through bore, made of resistant, gray-dyed polyacetal, for pipe screwed fittings or for connection of tubing with THOMAFLUID®-tube connecting pieces, items 16035 to 16038.

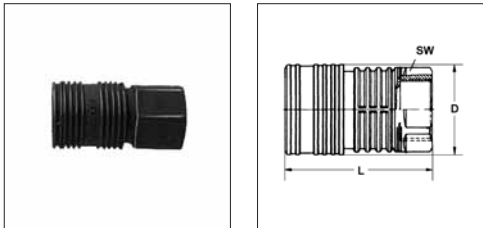
General technical specification

- **Material:**
Housing: POM grey (polyacetal, polyoxymethylene)
Gasket: NBR (butadiene-rubber)
- **Temperature range:** -20 to +80 °C
- **Max. operating pressure:** 10 bar at +20 °C
- **Cross sectional area of port:** 710 mm²

THOMAFLUID®-POM Quick-Disconnect Coupling,
NW 30 mm

Product specification

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

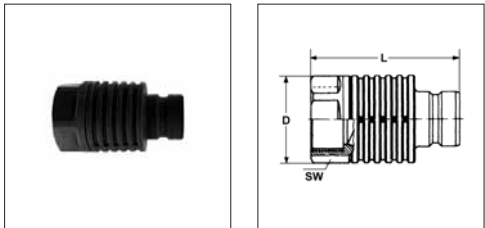


Item	Internal thread	Valve	Length mm	Unit piece	Price EURO
16032	G 1 1/2"	with	114	1	137.00
16033	G 2"	with	116	1	148.00
16034	G 1 1/2"	without	84	1	114.00

THOMAFLUID®-POM Quick-Disconnect Nipple,
NW 30 mm

Product specification

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



Item	Internal thread	Valve	Length mm	Unit piece	Price EURO
16039	G 1 1/2"	with	114	1	96.00
16040	G 2"	with	116	1	110.00
16041	G 1 1/2"	without	66	1	40.00

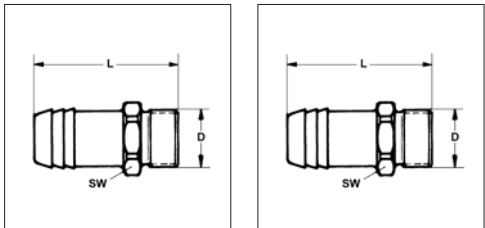
THOMAFLUID®-POM Quick-Disconnect Adapter,
NW 30 mm

Product specification

- Straight, pressure loadable adapter for connection of tubing with all G 1 1/2 inch-dimensioned THOMAFLUID®-POM quick-disconnect couplings / nipples (items 16032, 16034, 16039, 16041), hose nozzle for pilot plant oriented tubing diameters of 25 to 42 mm on one side, external thread 1 1/2" on the other side, made of resistant, grey-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.

Technical specification

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



Item	For tubing inside Ø mm	External thread	Nominal width mm	D mm	L mm	Unit piece	Price EURO
16035	27	G 1 1/2"	19	30	73	1	23.00
16036	34	G 1 1/2"	22	37	77	1	23.00
16037	40	G 1 1/2"	28	43	94	1	23.00
16038	45	G 1 1/2"	32	48	94	1	23.00

PP Quick-Disconnect Couplings

THOMAFUID®-PP Quick-Disconnect Couplings

Application area

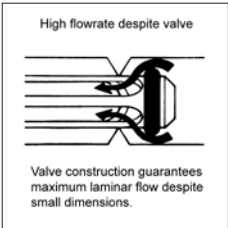
- Microbiological testing equipment, electroplating liquids, sterilisation equipment, water pollution analysis

General product specification

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



PP coupling parts



Valve

THOMAFUID®-PP Quick-Disconnect Coupling Parts, NW 3.2 mm

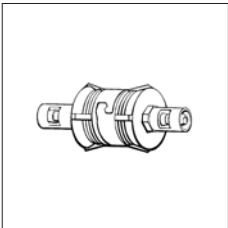
General technical specification

- **Material:**
Housing: PP (polypropylene)
Gaskets: EPDM (ethylene-propylene-diene rubber)
Valve spring: stainless steel 316
- **Temperature range:** 0 to +80 °C
- **Max. operating pressure:**
Type micro: 8.3 bar at +20 °C
Type standard: 6.9 bar at +20 °C

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

Product specification

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

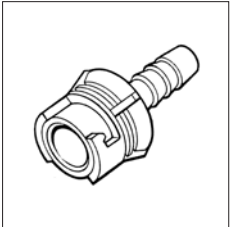


Item	Connection type	Valve	Length mm	Type	Unit piece	Price EURO
40931	nozzle 1.6 mm	without	34	micro	3	51.00
40932	nozzle 3.2 mm	without	41	micro	3	51.00

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



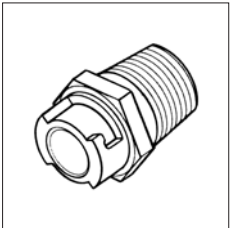
40935, 40936



40935, 40936



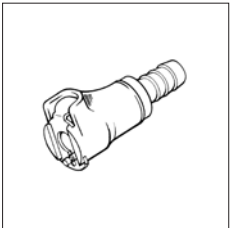
40941



40941



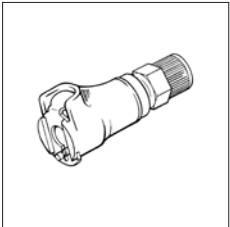
51510, 51511



51510, 51511



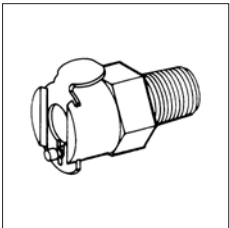
51514



51514



51500, 51501



51500, 51501

Product specification

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

Item	Connection type	Valve	Length mm	Type	Unit piece	Price EURO
40935	nozzle 1.6 mm	without	19	micro	3	33.00
40936	nozzle 3.2 mm	without	23	micro	3	33.00
40941	ext. thread NPT 1/8"	without	22	micro	3	30.00
51510	nozzle 3.2 mm	with	42	standard	1	27.00
51511	nozzle 6.4 mm	with	48	standard	1	27.00
51514	pipe 6.4 mm	with	44	standard	1	28.00
51500	ext. thread NPT 1/8"	with	25	standard	1	21.00
51501	ext. thread NPT 1/4"	with	28	standard	1	22.00

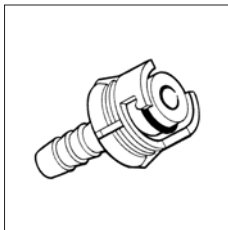
THOMAFLUID®-PP Quick-Disconnect Nipple, NW 3.2 mm

Product specification

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



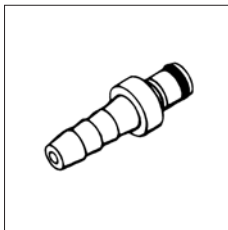
40933, 40934



40933, 40934



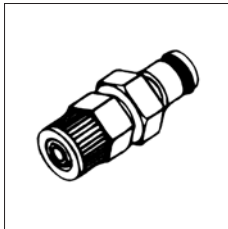
51518, 51524



51518, 51524



51516, 51522



51516, 51522

Item	Connection type	Valve	Length mm	Type	Unit piece	Price EURO
40933	nozzle 1.6 mm	without	19	micro	3	33.00
40934	nozzle 3.2 mm	without	23	micro	3	33.00
51518	nozzle 3.2 mm	without	27	standard	1	14.00
51519	nozzle 6.4 mm	without	31	standard	1	14.00
51516	pipe 6.4 mm	without	29	standard	1	16.00
51524	nozzle 3.2 mm	with	42	standard	1	22.00
51525	nozzle 6.4 mm	with	43	standard	1	22.00
51522	pipe 6.4 mm	with	40	standard	1	22.00

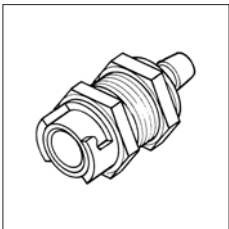
THOMAFLUID®-PP Quick-Disconnect Coupling, NW 3.2 mm - Control Panel

Product specification

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



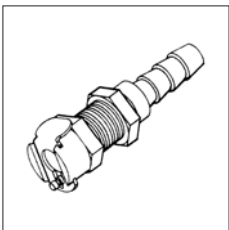
40939, 40940



40939, 40940



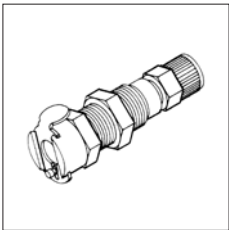
51506, 51507



51506, 51507



51504



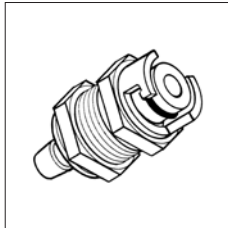
51504

Item	Connec. type	Valve	Control panel bore mm	Length mm	Type	Unit piece	Price EURO
40939	nozzle 1.6 mm	without	11	19	micro	3	48.00
40940	nozzle 3.2 mm	without	11	23	micro	3	48.00
51506	nozzle 3.2 mm	with	13	42	standard	1	27.00
51507	nozzle 6.4 mm	with	13	47	standard	1	27.00
51504	pipe 6.4 mm	with	13	44	standard	1	30.00

THOMAFUID®-PP Quick-Disconnect Nipple, NW 3.2 mm - Control Panel

Product specification

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

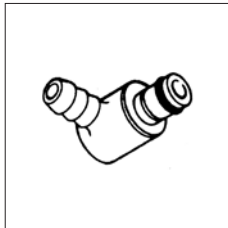


Item	Connec. type	Valve	Control panel bore mm	Length mm	Type	Unit piece	Price EURO
40937	nozzle 1.6 mm	without	11	19	micro	3	48.00
40938	nozzle 3.2 mm	without	11	23	micro	3	48.00

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

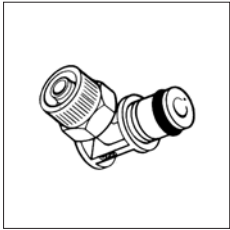
Product specification

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



10277, 51390

10277, 51390



10281, 10283

10281, 10283

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
10277	nozzle 3.2 mm	without	31	1	18.00
10278	nozzle 6.4 mm	without	31	1	18.00
51390	nozzle 3.2 mm	with	31	1	25.00
51391	nozzle 6.4 mm	with	31	1	25.00
10281	pipe 6.4 mm	without	31	1	22.00
10283	pipe 6.4 mm	with	31	1	28.00

THOMAFUID®-PP Quick-Disconnect Coupling Parts, NW 6.0 mm

General product specification

- High-flow macro quick-disconnect coupling parts

General technical specification

Material:

- Housing: PP (polypropylene), anthracite-grey
- Gaskets: NBR (butadiene-rubber)
- Valve spring: stainless steel 1.4751

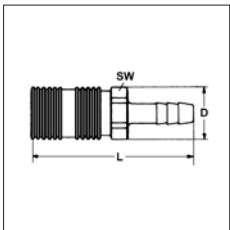
- Temperature range: 0 to +70 °C

- Max. operating pressure: 3 bar at +20 °C

THOMAFUID®-PP Quick-Disconnect Coupling, NW 6.0 mm

Product specification

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

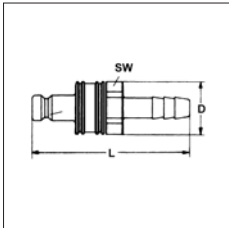


Item	Connection type	Valve	Length mm	Unit piece	Price EURO
14722	nozzle 7 mm	with	68.3	1	47.00
14723	nozzle 9 mm	with	73.3	1	47.00
14724	nozzle 11 mm	with	73.3	1	47.00

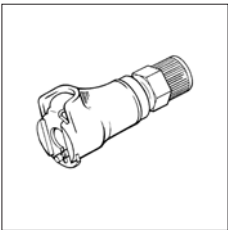
THOMAFIUID®-PP Quick-Disconnect Nipple,
NW 6.0 mm

Product specification

- Male coupling part. With shut-off and hose nozzle for piping connection. Can be combined with all female coupling parts of nominal width 6.0 mm.



51515



51515

Item	Connection type	Valve	Length	Unit	Price
			mm	piece	EURO
14718	nozzle 7 mm	with	66.5	1	34.00
14719	nozzle 9 mm	with	71.5	1	34.00
14720	nozzle 11 mm	with	71.5	1	34.00

THOMAFIUID®-PP Quick-Disconnect Coupling
Parts, NW 6.4 mm

General technical specification

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

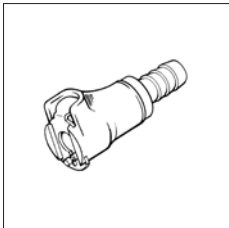
THOMAFIUID®-PP Quick-Disconnect Coupling,
NW 6.4 mm

Product specification

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



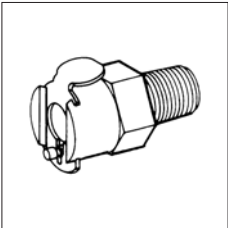
51512, 51513



51512, 51513



51502, 51503



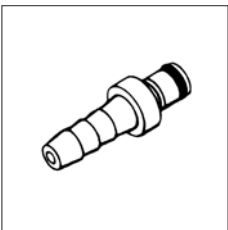
51502, 51503

Item	Connection type	Valve	Length	Unit	Price
			mm	piece	EURO
51512	nozzle 6.4 mm	with	50	1	30.00
51513	nozzle 9.5 mm	with	50	1	30.00
51515	pipe 9.5 mm	with	50	1	33.00
51502	ext. thread NPT 1/4"	with	29	1	26.00
51503	ext. thread NPT 3/8"	with	29	1	26.00

THOMAFIUID®-PP Quick-Disconnect Nipple,
NW 6.4 mm



51520, 51521



51520, 51521



51517, 51523



51517, 51523

Product specification

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

Item	Connection type	Valve	Length	Unit	Price
			mm	piece	
51520	nozzle 6.4 mm	without	34	1	17.00
51521	nozzle 9.5 mm	without	34	1	17.00
51517	pipe 9.5 mm	without	43	1	18.00
51526	nozzle 6.4 mm	with	51	1	25.00
51527	nozzle 9.5 mm	with	46	1	25.00
51523	pipe 9.5 mm	with	46	1	27.00

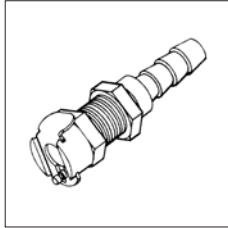
THOMAFUID®-PP Quick-Disconnect Coupling, NW 6.4 mm - Control Panel

Product specification

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



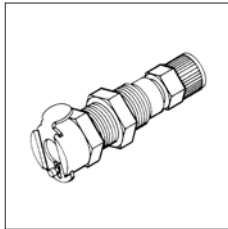
51508, 51509



51508, 51509



51505



51505

Item	Connection type	Valve	Control panel bore	Length	Unit	Price
			mm	mm	piece	
51508	nozzle 6.4 mm	with	18	50	1	40.00
51509	nozzle 9.5 mm	with	18	50	1	40.00
51505	pipe 9.5 mm	with	18	50	1	40.00

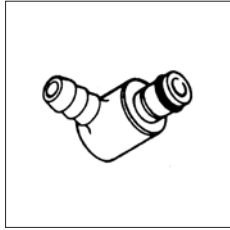
THOMAFUID®-PP Elbow Quick-Disconnect Nipple, NW 6.4 mm

Product specification

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



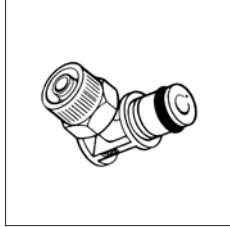
10279, 10280



10279, 10280



10282



10282

Item	Connection type	Valve	Length	Unit	Price
			mm	piece	
10279	nozzle 6.4 mm	without	36	1	18.00
10280	nozzle 9.5 mm	without	36	1	18.00
51392	nozzle 6.4 mm	with	36	1	25.00
51393	nozzle 9.5 mm	with	36	1	25.00
10282	pipe 9.5 mm	without	34	1	22.00
10284	pipe 9.5 mm	with	34	1	28.00

THOMAFUID®-PP Quick-Disconnect Coupling Parts, NW 7.2 mm

General product specification

- High-flow quick-disconnect coupling parts

General technical specification

• Material:

- Housing: PP (polypropylene)
- Gaskets: EPDM (ethylene-propylene-diene rubber)
- Valve spring: stainless steel 316

- Temperature range: 0 to +70 °C

- Max. operating pressure: 7.2 bar at +20 °C; 2.8 bar at +60 °C



Coupling parts PP, NW 7.2

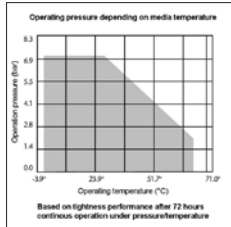


Diagram PP, NW 7.2

THOMAFUID®-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. Can be combined with all male coupling parts of nominal width 7.2 mm.



16105, 16106



16107, 16108

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
16105	ext. thread NPT 1/4"	with	58	1	20.00
16106	ext. thread NPT 3/8"	with	58	1	20.00
16107	nozzle 6.4 mm	with	57	1	20.00
16108	nozzle 9.5 mm	with	57	1	20.00

THOMAFUID®-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. Can be combined with all female coupling parts of nominal width 7.2 mm.



16111, 16112



16114, 16116

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
16111	ext. thread NPT 1/4"	with	45	1	18.00
16112	ext. thread NPT 3/8"	with	45	1	18.00
16113	nozzle 6.4 mm	without	34	1	12.00
16114	nozzle 6.4 mm	with	53	1	18.00
16115	nozzle 9.5 mm	without	34	1	12.00
16116	nozzle 9.5 mm	with	48	1	18.00

THOMAFUID®-PP Quick-Disconnect Coupling,
NW 7.2 mm - Control Panel

Product specification

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



Item	Connection type	Valve	Control panel bore mm	Length mm	Unit piece	Price EURO
16109	nozzle 6.4 mm	with	18	57	1	29.00
16110	nozzle 9.5 mm	with	18	57	1	29.00

THOMAFUID®-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. Can be combined with all female coupling parts of nominal width 7.2 mm.



Item	Connection type	Valve	Length mm	Unit piece	Price EURO
16117	nozzle 6.4 mm	without	37	1	15.00
16118	nozzle 6.4 mm	with	37	1	21.00
16119	nozzle 9.5 mm	without	37	1	15.00
16120	nozzle 9.5 mm	with	37	1	21.00

THOMAFUID®-PP Quick-Disconnect Coupling
Parts, NW 9.5 mm

Application area

- 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 parts
- 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: stainless steel 316
- **Temperature range:** 0 to +70 °C
- **Max. operating pressure:** 4 bar at +20 °C; 2 bar at +60 °C



Coupling parts PP, NW 9.5



Coupling parts PP, NW 9.5

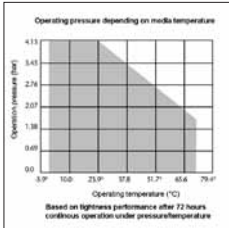
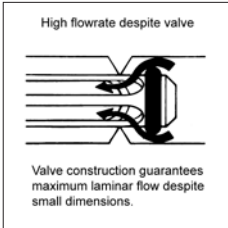


Diagram PP, NW 9.5



Valve

THOMAFUID®-PP Quick-Disconnect Coupling, NW 9.5 mm

Product specification

- Female coupling part. With port or shut-off and hose nozzle or external thread for piping connection. Can be combined with all male coupling parts of nominal width 9.5 mm.



16121



16127

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
16121	ext. thread NPT 3/8"	without	73	1	19.00
16122	ext. thread NPT 1/2"	without	73	1	19.00
16123	ext. thread NPT 3/4"	without	78	1	22.00
43480	ext. thread NPT 3/8"	with	68	1	22.00

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
43481	ext. thread NPT 1/2"	with	73	1	22.00
16126	ext. thread NPT 3/4"	with	78	1	19.00
16127	nozzle 9.5 mm	without	71	1	19.00
16128	nozzle 12.7 mm	without	71	1	19.00
16129	nozzle 15.9 mm	without	75	1	19.00
16130	nozzle 19 mm	without	75	1	22.00
43476	nozzle 9.5 mm	with	71	1	22.00
43477	nozzle 12.7 mm	with	71	1	22.00
16133	nozzle 15.9 mm	with	75	1	22.00
16134	nozzle 19 mm	with	75	1	26.00

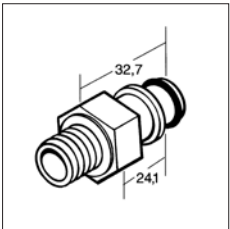
THOMAFUID®-PP Quick-Disconnect Nipple, NW 9.5 mm

Product specification

- Male coupling part. With port or shut-off and hose nozzle or external thread for piping connection..



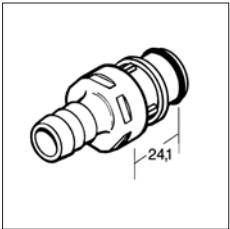
43486



43486



43482



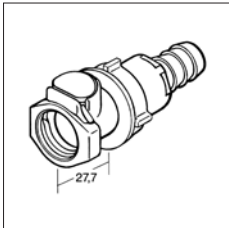
43482

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
43486	ext. thread NPT 3/8"	without	45	1	15.00
43487	ext. thread NPT 1/2"	without	50	1	15.00
16145	ext. thread NPT 3/4"	without	54	1	18.00
43488	ext. thread NPT 3/8"	with	48	1	20.00
43489	ext. thread NPT 1/2"	with	53	1	20.00
16148	ext. thread NPT 3/4"	with	54	1	24.00
43482	nozzle 9.5 mm	without	50	1	12.00
43483	nozzle 12.7 mm	without	50	1	12.00
16151	nozzle 15.9 mm	without	54	1	12.00
16152	nozzle 19 mm	without	54	1	12.00
43484	nozzle 9.5 mm	with	53	1	19.00
43485	nozzle 12.7 mm	with	53	1	19.00
16155	nozzle 15.9 mm	with	54	1	19.00
16156	nozzle 19 mm	with	57	1	22.00

THOMAFLUID®-PP Quick-Disconnect Coupling,
NW 9.5 mm - Control Panel

Product specification

- Female coupling part. With port or shut-off and hose nozzle for control panel mounting. Can be combined with all male coupling parts of nominal width 9.5 mm.

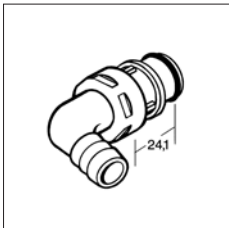


Item	Connection type	Valve	Control panel bore mm	Length mm	Unit piece	Price EURO
16135	nozzle 9.5 mm	without	30	71	1	26.00
16136	nozzle 12.7 mm	without	30	71	1	26.00
16137	nozzle 15.9 mm	without	30	75	1	26.00
16138	nozzle 19 mm	without	30	75	1	29.00
43478	nozzle 9.5 mm	with	30	71	1	29.00
43479	nozzle 12.7 mm	with	30	71	1	29.00
16141	nozzle 15.9 mm	with	30	75	1	29.00
16142	nozzle 19 mm	with	30	75	1	32.00

THOMAFLUID®-PP Elbow Quick-Disconnect Nipple,
NW 9.5 mm

Product specification

- Male coupling part. With port or shut-off and hose nozzle for piping connection. Can be combined with all female coupling parts of nominal width 9.5 mm.



Item	Connection type	Valve	Length mm	Unit piece	Price EURO
43490	nozzle 9.5 mm	without	49.5	1	14.00
43491	nozzle 12.7 mm	without	49.5	1	14.00
43492	nozzle 9.5 mm	with	49.5	1	20.00
43493	nozzle 12.7 mm	with	49.5	1	20.00

PSU Quick-Disconnect Couplings

THOMAFLUID®-PSU Quick-Disconnect Couplings

Application area

- 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.



Coupling parts PSU, NW 9.5

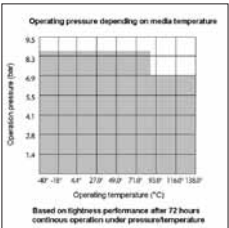


Diagram PSU, NW 9.5

THOMAFLUID®-PSU Quick-Disconnect Coupling
Parts, NW 9.5 mm

General product specification

- High-flow quick-disconnect coupling parts

General technical specification

Material:

- Housing: PSU (polysulfone)
- Gaskets: EPDM (ethylene-propylene-diene rubber)
- Valve spring: stainless steel 316

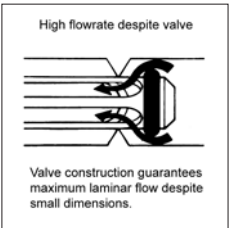
Nominal width: 9.5 mm

Temperature range: -40 to +138 °C

Max. operating pressure: 4.2 bar at +20 °C; 2.0 bar at +60 °C



Coupling parts PSU, NW 9.5



Valve

THOMAFLUID®-PSU Quick-Disconnect Coupling,
NW 9.5 mm

Product specification

- Female coupling part. With port or shut-off and hose nozzle or external thread for piping connection. Can be combined with all male coupling parts of nominal width 9.5 mm.



16161



16173

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
16161	ext. thread NPT 3/8"	without	69	1	31.00
16162	ext. thread NPT 1/2"	without	73	1	31.00
16163	ext. thread NPT 3/4"	without	78	1	31.00
16164	ext. thread NPT 3/8"	with	69	1	36.00
16165	ext. thread NPT 1/2"	with	69	1	36.00
16166	ext. thread NPT 3/4"	with	78	1	36.00
16173	nozzle 9.5 mm	without	71	1	30.00
16174	nozzle 12.7 mm	without	71	1	30.00
16175	nozzle 19 mm	without	75	1	30.00
16176	nozzle 9.5 mm	with	71	1	36.00
16177	nozzle 12.7 mm	with	71	1	36.00
16178	nozzle 19 mm	with	75	1	36.00

THOMAFUID®-PSU Quick-Disconnect Nipple, NW 9.5 mm

Product specification

- Male coupling part. With port or shut-off and hose nozzle for piping connection. Can be combined with all female coupling parts of nominal width 9.5 mm.



16179



16191

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
16179	nozzle 9.6 mm	without	49	1	16.00
16180	nozzle 12.7 mm	without	49	1	16.00
16181	nozzle 19 mm	without	52	1	16.00
16182	nozzle 9.6 mm	with	52	1	26.00
16183	nozzle 12.7 mm	with	52	1	26.00
16184	nozzle 19 mm	with	55	1	26.00
16191	ext. thread NPT 3/8"	without	46	1	17.00
16192	ext. thread NPT 1/2"	without	49	1	17.00
16193	ext. thread NPT 3/4"	without	56	1	17.00
16194	ext. thread NPT 3/8"	with	49	1	28.00

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
16195	ext. thread NPT 1/2"	with	53	1	28.00
16196	ext. thread NPT 3/4"	with	60	1	28.00

THOMAFUID®-PSU Quick-Disconnect Coupling, NW 9.5 mm - Control Panel

Product specification

- Female coupling part. With port or shut-off and hose nozzle for control panel mounting. Can be combined with all male coupling parts of nominal width 9.5 mm.



Item	Connection type	Valve	Control panel bore mm	Length mm	Unit piece	Price EURO
16167	nozzle 9.5 mm	without	30	71	1	38.00
16168	nozzle 12.7 mm	without	30	71	1	38.00
16169	nozzle 19 mm	without	30	75	1	38.00
16170	nozzle 9.5 mm	with	30	71	1	45.00
16171	nozzle 12.7 mm	with	30	71	1	45.00
16172	nozzle 19 mm	with	30	75	1	45.00

THOMAFUID®-PSU Elbow Quick-Disconnect Nipple, NW 9.5 mm

Product specification

- Male coupling part. With port or shut-off and hose nozzle for piping connection. Can be combined with all female coupling parts of nominal width 9.5 mm.



Item	Connection type	Valve	Length mm	Unit piece	Price EURO
16185	nozzle 9.5 mm	without	50	1	18.00
16186	nozzle 12.7 mm	without	50	1	18.00
16188	nozzle 9.5 mm	with	52	1	32.00
16189	nozzle 12.7 mm	with	52	1	32.00

THOMAFUID®-PSU Quick-Disconnect Coupling
Parts, NW 13.2 mm

General product specification

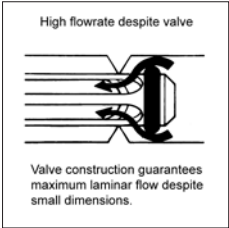
- High-flow quick-disconnect coupling parts

General technical specification

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



Coupling parts PSU, NW 13.2



Valve



16201



16203

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
16201	ext. thread NPT 1/2"	without	50	1	18.00
16202	ext. thread NPT 3/4"	without	54	1	18.00
16203	nozzle 19 mm	without	51	1	15.00

THOMAFUID®-PSU Quick-Disconnect Coupling,
NW 13.2 mm - Control Panel

Product specification

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



Item	Connection type	Valve	Control panel bore mm	Length mm	Unit piece	Price EURO
16200	nozzle 19 mm	without	30	75	1	37.00

THOMAFUID®-PSU Quick-Disconnect Coupling,
NW 13.2 mm

Product specification

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



16197



16199

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
16197	ext. thread NPT 1/2"	without	73	1	29.00
16198	ext. thread NPT 3/4"	without	79	1	29.00
16199	nozzle 19 mm	without	75	1	30.00

THOMAFUID®-PSU Quick-Disconnect Nipple,
NW 13.2 mm

Product specification

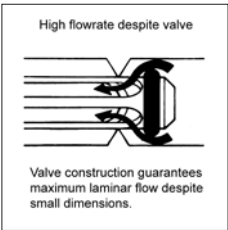
- Male coupling part. With port and external thread for piping connection. Can be combined with all female coupling parts of nominal width 13.2 mm.

PVDF Quick-Disconnect Couplings

THOMAFUID®-PVDF Quick-Disconnect Couplings



PVDF coupling parts



Valve

General product specification

- PVDF is a chemically inert, biocompatible fluorocarbon material with excellent temperature resistance. It is resistant to alcohols, aldehydes, petrol, benzene and other aromatic hydrocarbons, chlorine gas, esters, glycols and motor oils, salt solutions, alkalis and acids.

THOMAFUID®-PVDF Quick-Disconnect Coupling
Parts, NW 5.0 mm

General product specification

- Quick-disconnect coupling parts for lower flow rates

General technical specification

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

THOMAFUID®-PVDF Quick-Disconnect Coupling,
NW 5.0 mm

Product specification

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



15859, 15860



15863, 15864



15867, 15868



15869, 15870

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
15859	nozzle 4 mm	with	60	1	36.00
15860	nozzle 6 mm	with	60	1	36.00
15863	pipe 6 mm	with	56	1	40.00
15864	pipe 8 mm	with	56	1	40.00
15867	ext. thread G 1/8"	with	50	1	36.00
15868	ext. thread G 1/4"	with	52	1	36.00
15869	int. thread G 1/8"	with	53	1	36.00
15870	int. thread G 1/4"	with	39	1	36.00

THOMAFUID®-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. Can be combined with all female coupling parts of nominal width 5.0 mm.



15883, 15884



15887, 15888



15891, 15892



15893, 15894

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
15883	nozzle 4 mm	without	32	3	24.00
15884	nozzle 6 mm	without	32	3	24.00
15887	pipe 6 mm	without	32	2	23.00
15888	pipe 8 mm	without	32	2	23.00
15891	ext. thread G 1/8"	without	25	2	20.00
15892	ext. thread G 1/4"	without	28	2	20.00
15893	int. thread G 1/8"	without	25	2	20.00
15894	int. thread G 1/4"	without	26	2	20.00
15907	nozzle 4 mm	with	46	1	37.00
15908	nozzle 6 mm	with	46	1	37.00
15911	pipe 6 mm	with	42	1	40.00
15912	pipe 8 mm	with	42	1	40.00
15915	ext. thread G 1/8"	with	36	1	40.00
15916	ext. thread G 1/4"	with	38	1	40.00
15917	int. thread G 1/8"	with	39	1	40.00
15918	int. thread G 1/4"	with	41	1	40.00

THOMAFUID®-PVDF Quick-Disconnect Coupling,
NW 5.0 mm - Control Panel

Product specification

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



15861, 15862



15865, 15866

Item	Connection type	Valve	Control panel bore mm	Length mm	Unit piece	Price EURO
15861	nozzle 4 mm	with	10	74	1	54.00
15862	nozzle 6 mm	with	12	74	1	54.00
15865	pipe 6 mm	with	10	68	1	59.00
15866	pipe 8 mm	with	12	68	1	59.00

THOMAFUID®-PVDF Quick-Disconnect Nipple, NW 5.0 mm - Control Panel

Product specification

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



15885, 15886



15889, 15890

Item	Connection type	Valve	Control panel bore mm	Length mm	Unit piece	Price EURO
15885	nozzle 4 mm	without	10	50	2	22.00
15886	nozzle 6 mm	without	12	50	2	22.00
15889	pipe 6 mm	without	10	44	2	33.00
15890	pipe 8 mm	without	12	44	2	33.00
15909	nozzle 4 mm	with	10	60	1	45.00
15910	nozzle 6 mm	with	12	60	1	45.00
15913	pipe 6 mm	with	10	54	1	47.00
15914	pipe 8 mm	with	12	54	1	47.00

THOMAFUID®-PVDF Quick-Disconnect Coupling Parts, NW 7.0 mm

General product specification

- Macro quick-disconnect coupling parts for higher flow rates

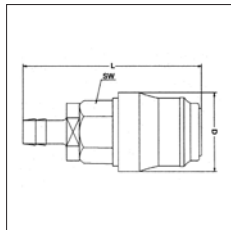
General technical specification

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

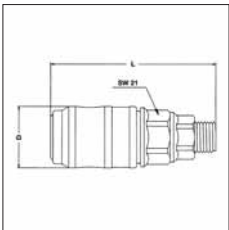
THOMAFUID®-PVDF Quick-Disconnect Coupling, NW 7.0 mm

Product specification

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



15946, 15947, 15948



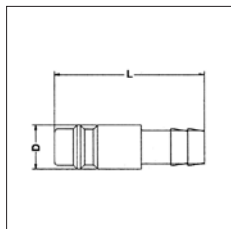
15949, 15950, 15951

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
15946	nozzle 6 mm	with	81	1	46.00
15947	nozzle 9 mm	with	81	1	46.00
15948	nozzle 13 mm	with	81	1	50.00
15949	ext. thread G 1/4"	with	70.5	1	46.00
15950	ext. thread G 3/8"	with	67	1	46.00
15951	ext. thread G 1/2"	with	73.5	1	50.00
15952	int. thread G 1/4"	with	63.5	1	48.00
15953	int. thread G 3/8"	with	63.5	1	48.00
15954	int. thread G 1/2"	with	74.5	1	51.00

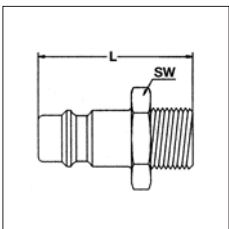
THOMAFUID®-PVDF Quick-Disconnect Nipple, NW 7.0 mm

Product specification

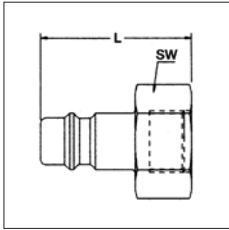
- Male coupling part. With port or shut-off and hose nozzle or thread for piping connection. Can be combined with all female coupling parts of nominal width 7.0 mm



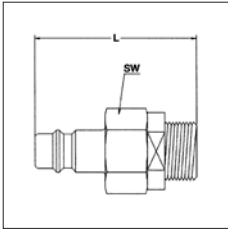
15955, 15956, 15957



15958, 15959, 15960



15961, 15962, 15963



15967, 15968, 15969

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
15955	nozzle 6 mm	without	47	3	33.00
15956	nozzle 9 mm	without	47	3	33.00
15957	nozzle 13 mm	without	50	2	28.00
15958	ext. thread G 1/4"	without	38.5	2	25.00
15959	ext. thread G 3/8"	without	38.5	2	25.00
15960	ext. thread G 1/2"	without	41.5	2	30.00
15961	int. thread G 1/4"	without	35.5	2	25.00
15962	int. thread G 3/8"	without	35.5	2	25.00
15963	int. thread G 1/2"	without	38.5	2	31.00
15964	nozzle 6 mm	with	54	1	38.00
15965	nozzle 9 mm	with	54	1	38.00
15966	nozzle 13 mm	with	54	1	40.00
15967	ext. thread G 1/4"	with	46	1	39.00
15968	ext. thread G 3/8"	with	46	1	39.00
15969	ext. thread G 1/2"	with	49	1	41.00
15970	int. thread G 1/4"	with	48	1	40.00
15971	int. thread G 3/8"	with	48	1	40.00
15972	int. thread G 1/2"	with	23	1	42.00

PA Quick-Disconnect Couplings

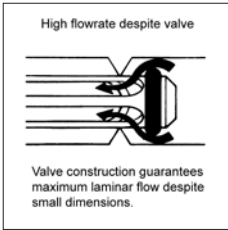
THOMAFUID®-PA Quick-Disconnect Couplings

General product specification

- PA (polyamide) features a good resistance to oils, fats and lubricants as well as weak alkalis. The THOMAFUID®-coupling parts are especially resistant to glycols, ketones, alkalis, paraffins, salt solutions, toluene and xylene.



Quick-lock coupling system principle



Valve

THOMAFUID®-PA Quick-Disconnect Coupling Parts, NW 6.0 mm

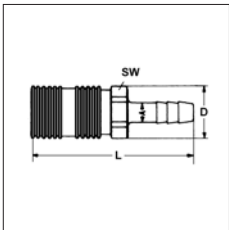
General technical specification

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

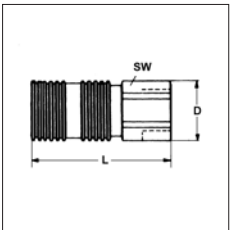
THOMAFUID®-PA Quick-Disconnect Coupling, NW 6.0 mm

Product specification

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



15985



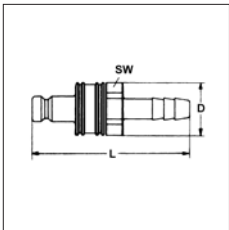
15992

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
15985	nozzle 7 mm	with	68.3	1	38.00
15986	nozzle 9 mm	with	73.3	1	39.00
15987	nozzle 11 mm	with	73.3	1	40.00
15988	nozzle 13 mm	with	73.3	1	41.00
15989	ext. thread G 1/4"	with	55.3	1	38.00
15990	ext. thread G 3/8"	with	55.3	1	39.00
15991	ext. thread G 1/2"	with	55.3	1	40.00
15992	int. thread G 1/4"	with	57.3	1	38.00
15993	int. thread G 3/8"	with	57.3	1	39.00

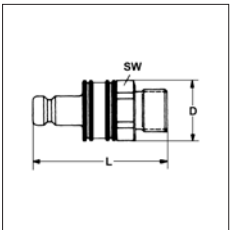
THOMAFUID®-PA Quick-Disconnect Nipple, NW 6.0 mm

Product specification

- Male coupling part. With port or shut-off and hose nozzle or thread for piping connection.

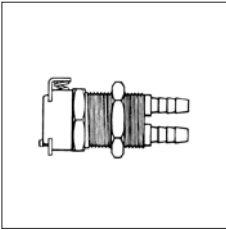


15994



15998

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
15994	nozzle 7 mm	with	66.5	1	29.00
15995	nozzle 9 mm	with	71.5	1	30.00
15996	nozzle 11 mm	with	71.5	1	31.00
15997	nozzle 13 mm	with	71.5	1	32.00
15998	ext. thread G 1/4"	with	53.5	1	29.00
15999	ext. thread G 3/8"	with	53.5	1	30.00
16000	ext. thread G 1/2"	with	53.5	1	31.00
16001	int. thread G 1/4"	with	55.5	1	29.00
16002	int. thread G 3/8"	with	55.5	1	30.00
16003	nozzle 7 mm	without	46	2	20.00
16004	nozzle 9 mm	without	51	2	21.00
16005	nozzle 11 mm	without	53	2	21.00
16006	nozzle 13 mm	without	53	2	22.00
16007	ext. thread G 1/4"	without	32	2	20.00
16008	ext. thread G 3/8"	without	353	2	21.00
16009	ext. thread G 1/2"	without	38	2	22.00
16010	int. thread G 1/4"	without	36	2	20.00
16011	int. thread G 3/8"	without	36	2	21.00

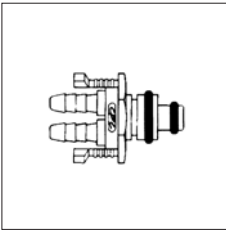


Item	Connection type	Valve	Control panel bore mm	Length mm	Unit piece	Price EURO
13954	nozzle 1.6 mm	without	17.5	44	1	35.00
13955	nozzle 4 mm	without	17.5	44	1	33.00

THOMAFUID®-Multi-Lumen Quick-Disconnect Nipple made of POM

Product specification

- Male coupling part. With port and hose nozzle for piping connection. Can be combined with all female coupling parts.



Item	Connection type	Valve	Unit piece	Price EURO
13956	nozzle 1.6 mm	without	1	29.00
13957	nozzle 4 mm	without	1	25.00

Multi-Lumen Quick-Disconnect Couplings

THOMAFUID®-Multi-Lumen Quick-Disconnect Coupling Parts made of POM 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 to +80 °C
- **Max. operating pressure:** 6.9 bar per line at +20 °C



Twin-Tube principle

THOMAFUID®-Multi-Lumen Quick-Disconnect Coupling made of POM - Control Panel

Product specification

- Female coupling part. With port and hose nozzle for control panel mounting. Can be combined with all male coupling parts.

THOMAFUID®-Multi-Lumen Quick-Disconnect 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)
Springs: stainless steel 316
- **Temperature range:**
POM inserts: -40 to +80 °C
PP inserts: 0 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

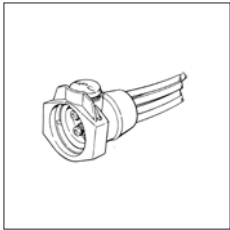
THOMAFUID®-Multi-Lumen Quick-Disconnect Coupling made of POM for Six Flexible Conduits

Product specification

- Female coupling part. With port and hose nozzle for piping connection. Can be combined with all male coupling parts.



6-Tube principle

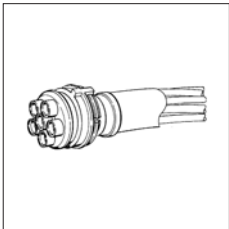


Item	Connection type	Valve	Material inserts	Material gasket	Unit		Price
					piece	EURO	
16217	nozzle 1.6 mm	without	POM	NBR	1	34.00	
16218	nozzle 3 mm	without	POM	NBR	1	34.00	
16219	nozzle 3.2 mm	without	POM	NBR	1	34.00	
16220	nozzle 1.6 mm	without	PP	EPDM	1	42.00	
16221	nozzle 3.2 mm	without	PP	EPDM	1	42.00	

THOMAFUID®-Multi-Lumen Quick-Disconnect Nipple made of POM for Six Flexible Conduits - Control Panel

Product specification

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



Item	Connection type	Valve	Material inserts	Material gasket	Unit		Price
					piece	EURO	
16222	nozzle 1.6 mm	without	POM	NBR	1	24.00	
16223	nozzle 3 mm	without	POM	NBR	1	24.00	
16224	nozzle 3.2 mm	without	POM	NBR	1	24.00	
16225	nozzle 1.6 mm	with	POM	NBR	1	137.00	
16226	nozzle 3 mm	with	POM	NBR	1	137.00	
16227	nozzle 3.2 mm	with	POM	NBR	1	137.00	
16228	nozzle 1.6 mm	without	PP	EPDM	1	27.00	
16229	nozzle 3.2 mm	without	PP	EPDM	1	27.00	

THOMAFUID®-Multi-Lumen Quick-Disconnect Coupling and Nipple made of PA for Ten Flexible Conduits

Product specification

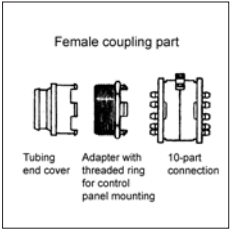
- Complete simultaneous quick-release coupling system for ten separate gas or liquid flexible conduits with parallel ports, consisting of a coupling casing with ten nipple inserts (type „V“ male) and a coupling casing with ten coupling inserts (type „M“ female), additional adapter for front panel mounting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

Technical specification

- Material:**
Casing: PA (polyamide)
Springs: stainless steel
- Temperature range:**
POM inserts: -40 to +80 °C
PP inserts: 0 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



10-Tube principle



Item	Connection type	Valve	Material inserts	Material gasket	Unit		Price
					piece	EURO	
16230	nozzle 1.6 mm	without	POM	NBR	1	69.00	
16231	nozzle 3 mm	without	POM	NBR	1	69.00	

Item	Connection type	Valve	Material inserts	Material gasket	Unit	Price
					piece	EURO
16232	nozzle 4 mm	without	POM	NBR	1	69.00
16233	nozzle 1.6 mm	with	POM	NBR	1	187.00
16234	nozzle 3 mm	with	POM	NBR	1	187.00
16235	nozzle 4 mm	with	POM	NBR	1	187.00
16236	nozzle 1.6 mm	without	PP	EPDM	1	85.00
16237	nozzle 4 mm	without	PP	EPDM	1	85.00

RCT®-Accessories to Multi-Lumen Quick-Disconnect Coupling System



Item	Design	Unit piece	Price EURO
16238	Adapter for panel mounting	1	14.00
16239	Tubing cover	1	11.00

One-Piece Connectors - Metals
Luer-/Lock-Connections

THOMAFUID®-Luer Connecting Systems

General product specification

- Luer connecting systems are high-precisely manufactured miniature connecting pieces and/or cocks for connection of Luer syringes to tubing, rigid plastic piping such as PTFE and polypropylene, or to other systems fitted with Luer fittings. They are developed for use in laboratories and therefore suitable for conveying and distributing of gases and liquids by means of syringes also outside of medical applications. The universal THOMAFUID®-Luer connecting systems are easily to handle and often represent a favourable alternative to more specialized connecting systems. They have proved efficient many times in laboratories for process development and when handling with toxic or radioactive materials.

General technical specification

- **Material:** brass chromium-plated

THOMAFUID®-Luer Connecting Piece for Flexible Tubing

Product specification

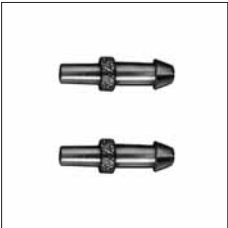
- Chromium-plated precision connecting pieces in miniaturized construction, optionally combinations of Luer connections and/or hose nozzles for flexible tubing of various standard sizes.



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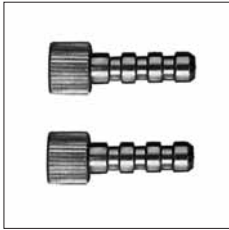
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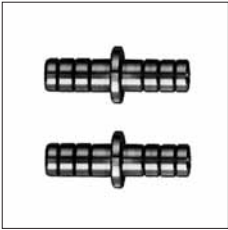
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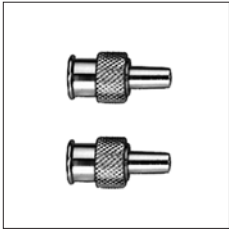
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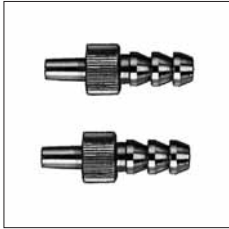
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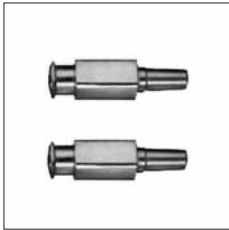
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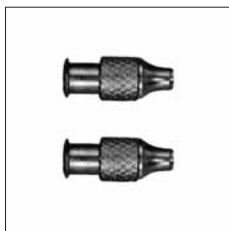
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Item	Connection type	Unit piece	Price EURO
15620	male Luer to nozzle 6.4 mm	3	45.00
15621	female Luer-Lock to nozzle 6.4 mm	6	57.00
15622	male Luer to nozzle 3.2 - 4.8 mm	6	57.00
15623	male Luer to nozzle, large-core nominal width 3.2 - 4.8 mm	6	63.00
15624	male Luer to nozzle 1.6 - 2.4 mm	6	57.00
15625	male Luer-Lock to nozzle 3.2 - 4.8 mm	6	69.00
15626	male Luer-Lock to nozzle 1.6 - 2.4 mm	6	72.00
15627	female Luer-Lock to nozzle 3.2 - 4.8 mm	6	54.00
15628	female Luer-Lock to nozzle 1.6 - 2.4 mm	6	54.00
15629	male Luer to nozzle 4.0 - 5.6 mm	6	78.00
15630	female Luer-Lock to nozzle 4.0 - 5.6 mm	6	78.00

Item	Connection type	Unit piece	Price EURO
15631	nozzle to nozzle 4.8 - 6.4 mm	6	78.00
15632	male Luer to nozzle 4.0 - 5.6 mm	6	78.00
15633	female Luer-Lock to nozzle 4.8 - 6.4 mm	6	78.00
15634	male Luer-Lock to nozzle 6.4 - 8 mm	6	69.00
15635	male Luer to female Luer-Lock	6	60.00
15636	male Luer to female Luer-Lock; extended centerpiece	3	66.00
15637	female Luer-Lock to Record cone	6	54.00
15638	female Record cone to male Luer	6	54.00
15639	female Luer-Lock to pointed nozzle	3	69.00
15640	female Luer-Lock (large) to male Luer	6	57.00
15641	female Luer-Lock to male Luer-Lock	3	60.00
15642	male Luer-Lock to male Luer-Lock	3	72.00
15643	male Luer-Lock to closed end	6	66.00
15644	female Luer-Lock to closed end	6	54.00
15645	male Luer to closed end	6	54.00
15646	female Luer-Lock to female Luer-Lock	6	60.00
15647	male Luer to male Luer	6	72.00
15648	female Luer-Lock to long cone (fistula)	3	72.00
15649	male Luer-Lock to UNF-thread 5/16"-28	3	60.00
15650	male Luer to UNF-thread 5/16"-28	3	60.00
15651	female Luer-Lock to closed end; material: stainless steel	3	63.00
15652	female Luer-Lock to closed end; material: PCTFE	3	54.00
15653	male Luer-Lock to UNF-thread 10-32	3	54.00
15654	female Luer-Lock to UNF-thread 10-32	6	60.00
15655	female Luer-Lock to nozzle 1.6 - 2.4 mm, stainless steel	3	66.00
15656	female Luer-Lock to nozzle 1.6 - 2.4 mm, brass nickel plated	6	69.00

THOMAFLUID®-Luer Connecting Piece for Rigid Tubing

Product specification

- Chromium-plated precision connecting pieces in miniaturized construction, optionally combinations of male Luer or female Luer-Lock connections and/or hose nozzles for rigid tubing like flanged PTFE, polyethylene or polypropylene of various standard sizes.



15593 - 15596



15597 - 15601

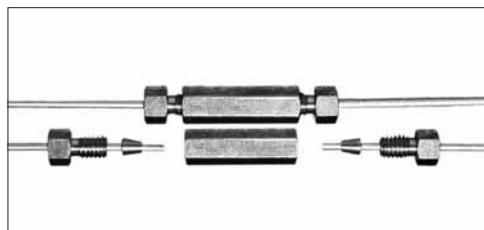
Item	Luer	For tubing outside Ø mm	For tubing inside Ø mm	Nominal width mm	Unit piece	Price EURO
15594	female luer-lock	1.9	1 - 1.3	1.3	3	57.00
15595	female luer-lock	2.7	1.6 - 1.8	1.8	3	57.00
15596	female luer-lock	3.7	2 - 2.7	2.4	3	57.00
15597	male luer-lock	1.1	0.25 - 0.65	0.5	3	57.00
15598	male luer-lock	1.5	0.65 - 0.9	0.8	3	57.00
15599	male luer-lock	1.9	1 - 1.3	1.3	3	57.00
15601	male luer-lock	3.7	2 - 2.7	2.4	3	57.00

Capillary Connectors (HPLC)

THOMACHROM®-Straight Capillary Coupling made of Stainless Steel

Product specification

- Standard straight connector made of corrosion-proof stainless steel 1.4571 for coupling of two 1/16" metal capillaries, complete with ferrules and female screws.

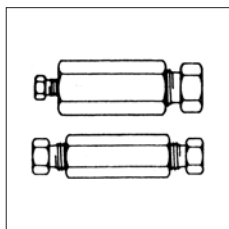
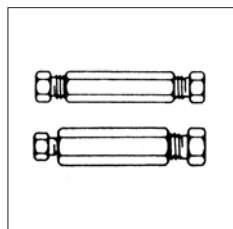


Item	For pipes outside Ø inch	Nominal width mm	Unit piece	Price EURO
84077	1/16"	0.25	5	192.00
84083	1/16"	0.5	5	192.00

THOMACHROM®-Straight Capillary Coupling made of Stainless Steel

Product specification

- Screw-in joint made of stainless steel for HPLC and other applications, for metal capillaries of equal or different diameters with uniform bore, including ferrules and female screws. Extremely low dead volumes.

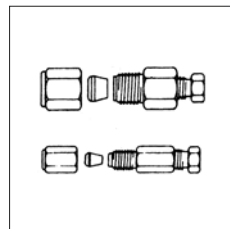
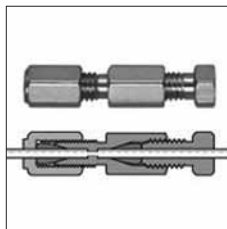


Item	For pipes outside Ø (A) inch	For pipes outside Ø (B) inch	bore mm	Unit piece	Price EURO
83550	1/32"	1/32"	0.25	1	61.00
83551	1/32"	1/32"	0.8	1	61.00
83552	1/16"	1/32"	0.25	1	61.00
83553	1/16"	1/32"	0.8	1	61.00
83554	1/16"	1/16"	0.75	1	66.00
83555	1/16"	1/16"	0.15	1	45.00
83556	1/16"	1/16"	1.6	1	66.00
83557	1/8"	1/32"	0.25	1	61.00
83558	1/8"	1/32"	0.8	1	61.00
83559	1/8"	1/16"	0.75	1	66.00
83560	1/8"	1/16"	0.25	1	45.00
83561	1/8"	1/16"	1.6	1	66.00
83562	1/8"	1/8"	0.75	1	56.00
83563	1/8"	1/8"	2	1	66.00
83564	1/8"	1/8"	3.2	1	66.00
83565	1/4"	1/16"	0.75	1	66.00
83566	1/4"	1/16"	0.25	1	45.00
83567	1/4"	1/16"	1.6	1	66.00
83568	1/4"	1/8"	0.75	1	56.00
83569	1/4"	1/8"	3.2	1	56.00
83570	1/4"	1/4"	0.75	1	56.00
83571	1/4"	1/4"	4.6	1	66.00
83572	1/4"	1/4"	6.4	1	66.00
83573	3/8"	1/16"	0.75	1	45.00
83574	3/8"	1/16"	1.6	1	45.00
83575	3/8"	3/8"	1	1	41.00
83576	3/8"	3/8"	7	1	41.00
83577	3/8"	3/8"	9.5	1	45.00
83578	1/2"	1/16"	0.75	1	61.00
83579	1/2"	1/2"	1	1	45.00
83580	1/2"	1/2"	10.1	1	56.00
83581	1/2"	1/2"	12.7	1	56.00

THOMACHROM®-Straight Capillary Adapter made of Stainless Steel

Product specification

- External/internal unions have male threads on one end and female threads on the other, for connecting a standard zero dead volume fitting to an existing tube which already has an external nut made up on it.
- Standard material is 300 series stainless.

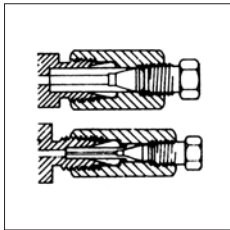
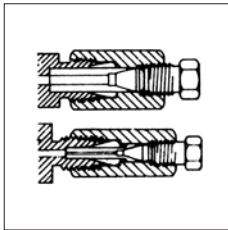


Item	For pipes outside Ø (A) inch	For pipes outside Ø (B) inch	Nominal width mm	Unit piece	Price EURO
83604	1/16"	1/16"	0.75	1	44.00
83605	1/8"	1/16"	0.75	1	44.00
83606	1/4"	1/32"	0.25	1	61.00
83607	1/4"	1/32"	0.75	1	61.00
83608	1/4"	1/16"	0.75	1	44.00
83609	1/4"	1/8"	1	1	44.00

THOMACHROM®-Straight Capillary Reducing Adapter made of Stainless Steel

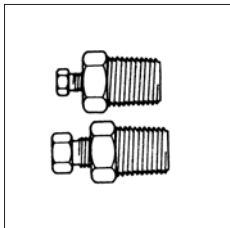
Product specification

- Adapter fittings made of stainless steel 1.4401 (SS 316) for dead volume-free coupling of systems with cap screwed fittings such as columns, detectors etc. of various manufacturers, e.g. Altex/Beckmann, Parker, Swagelok etc. with screw-in fittings.
- Adapter bushing with standard internal thread for screwing on the fitting and mating female screw with ferrule for high-pressure with-standing screwed fitting of the capillary.



Item	For pipes outside Ø (A) inch	For pipes outside Ø (B) inch	Nominal width mm	Unit piece	Price EURO
83525	1/16"	1/32"	0.25	1	46.00
83526	1/16"	1/32"	0.8	1	46.00
83527	1/8"	1/32"	0.25	1	46.00
83528	1/8"	1/16"	0.5	1	31.00
83529	1/8"	1/16"	1.6	1	31.00
83530	1/8"	1/8"	3.2	1	31.00
83531	1/4"	1/8"	3.2	1	31.00

THOMACHROM®-Straight Capillary Coupling with Male Thread made of Stainless Steel



Product specification

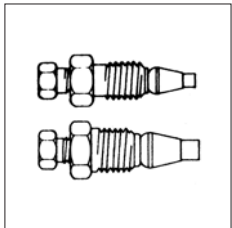
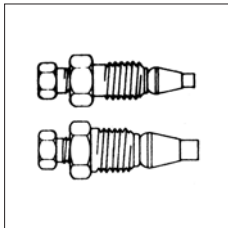
- Screw-in fittings made of stainless steel 1.4401 (SS 316) for connection of manometers, pulsation dampeners etc. with 1/16" - or 1/8" - capillaries. Uniform through bores of 1 and 2 mm

Item	External thread	For pipes outside Ø inch	Nominal width mm	Unit piece	Price EURO
83532	NPT 1/8"	1/16"	1	1	25.00
83534	NPT 1/8"	1/8"	1	1	25.00
83538	NPT 1/4"	1/8"	1	1	25.00
83540	NPT 1/4"	1/16"	1	1	25.00
83542	NPT 1/4"	1/8"	2	1	27.00

THOMACHROM®-Straight Capillary Coupling with Male Thread made of Stainless Steel - „through bore“

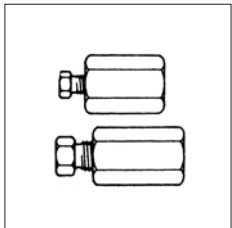
Product specification

- Threaded reducing adapter with through bore made of stainless steel 1.4401 (SS 316) for connection of standard capillaries



Item	For pipes outside Ø (A) inch	For pipes outside Ø (B) inch	Nominal width mm	Unit piece	Price EURO
83516	1/16"	1/32"	0.25	1	53.00
83517	1/16"	1/32"	0.5	1	53.00
83518	1/16"	1/32"	0.8	1	53.00
83519	1/8"	1/16"	0.25	1	30.00
83520	1/8"	1/16"	0.5	1	30.00
83521	1/8"	1/16"	1	1	30.00
83522	1/4"	1/16"	1	1	30.00
83523	1/4"	1/8"	1	1	30.00
83524	1/4"	1/8"	2	1	30.00

THOMACHROM®-Straight Capillary Coupling with Female Thread made of Stainless Steel



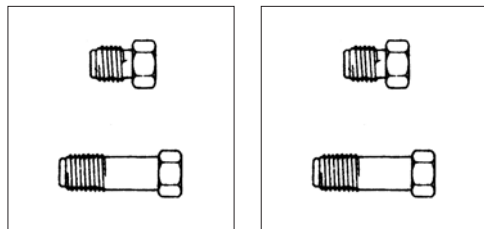
Product specification

- Screw-on fitting made of corrosion-proof stainless steel 1.4401 (SS 316) for connection of manometers, pulsation dampeners etc. with 1/16" or 1/8" capillaries. Uniform through bores of 1 and 2 mm.

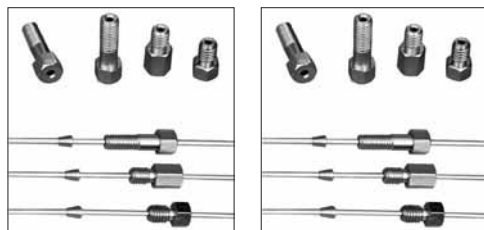
Item	For pipes outside Ø inch	Internal thread	Nominal width mm	Unit piece	Price EURO
83533	1/16"	NPT 1/8"	1	1	38.00
83535	1/8"	NPT 1/8"	1	1	38.00
83537	1/8"	NPT 1/8"	2	1	38.00
83539	1/16"	NPT 1/4"	1	1	38.00
83541	1/8"	NPT 1/4"	1	1	38.00
83543	1/8"	NPT 1/4"	2	1	38.00
83545	1/16"	NPT 1/2"	1	1	51.00
83547	1/8"	NPT 1/2"	1	1	51.00

THOMACHROM®-Male Screw
made of Stainless Steel 1.4401
Product specification

- Male screws made of stainless steel for HPLC and other applications, for screwing of metal capillaries and pipes with all inch-dimensioned cap fittings, e.g. for systems of Altex/Beckmann, Parker, CPI, Swagelok etc.



Item	For pipes outside Ø inch	Design	Unit piece	Price EURO
83506	1/32"	standard	2	22.00
83507	1/32"	extra long	2	22.00
83508	1/16"	standard	3	24.00
83510	1/8"	standard	3	24.00
83600	1/4"	standard	3	24.00
83601	3/8"	standard	2	21.00
83602	1/2"	standard	2	21.00
83603	1"	standard	1	29.00

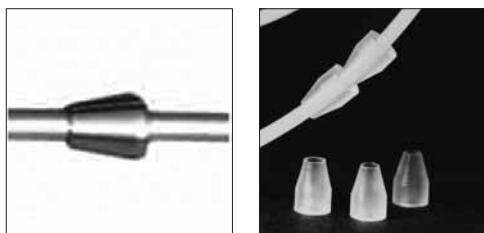
THOMACHROM®-Male Screw
made of Stainless Steel 1.4571
**Product specification**

- Standard male screw of three customary lengths made of stainless steel 1.4571 for screwing of 1/16" metal capillaries, fitting to all usual HPLC-systems such as Beckmann, Merck/Hitachi, Knauer etc.

Item	For pipes outside Ø inch	Design	Unit piece	Price EURO
84074	1/16"	short	10	36.00
84075	1/16"	standard	10	36.00
84076	1/16"	extra long	10	36.00

THOMACHROM®-Ferrule made of Stainless Steel 1.4401
Product specification

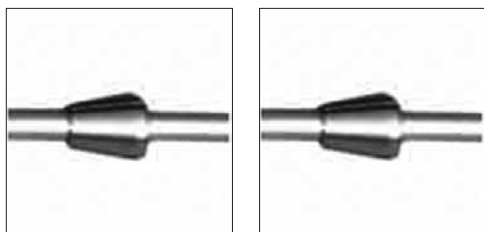
- Universally usable non-cutting precision-ferrules made of highly corrosion-proof stainless steel 1.4401 (SS 316) for 1/16" and 1/8" metal capillaries



Item	For pipes outside Ø inch	Unit piece	Price EURO
97635	1/16"	4	36.00
97636	1/8"	6	36.00

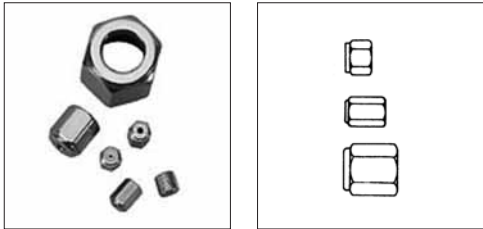
THOMACHROM®-Ferrule made of Stainless Steel 1.4571
Product specification

- Universally usable HPLC-ferrule made of high-alloy, corrosion-proof stainless steel 1.4571 for 1/16" capillaries, fitting to all usual HPLC-systems such as Merck/Hitachi, Knauer, Valco etc.



Item	For pipes outside Ø inch	Unit piece	Price EURO
84080	1/16"	5	18.00

THOMACHROM®-Hollow Nut made of Stainless Steel

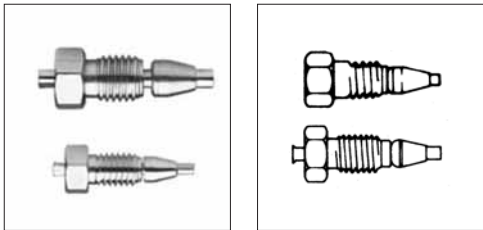


Item	For pipes outside Ø inch	Unit piece	Price EURO
97633	1/16"	3	24.00
97634	1/8"	3	24.00
83513	1/4"	3	24.00
83514	3/8"	3	24.00
83515	1/2"	3	24.00

THOMACHROM®-Locking Screw made of Stainless Steel

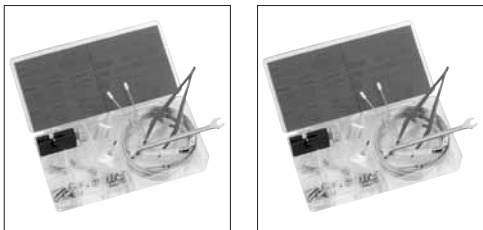
Product specification

- High pressure-resistant screw-in end fittings for plugging of columns, capillary tubing, blind locking of system parts during interruption to operation or at breakdowns.
- High quality steel female screws with capillary blind ends and ferrule, of nominal sizes up to 1/4".



Item	For pipes outside Ø inch	Unit piece	Price EURO
83630	1/32"	1	20.00
83631	1/16"	2	27.00
83632	1/8"	2	27.00
83633	1/4"	2	27.00

THOMACHROM®-Starter Kit



Product specification

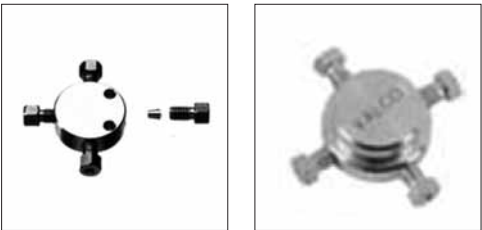
- For beginners and training universally assorted set of frequently needed HPLC coupling components made of high-alloy, corrosion-proof stainless steel 1.4571, selected, neatly processed capillary cuttings and mounting tools.
- Content:
 - 1 Filter with 2 µm filtration grade, pipe OD: 1/8"
 - 1 Last-Drop-Filter with 10 µm filtration grade
 - 1 Filter, In-Line ID 0.25 mm, complete
 - 5 Female screws, 13 mm long, UNF 10-32
 - 5 Female screws, 19 mm long, UNF 10-32
 - 5 Ferrules 1/16"
 - 1 Union, bore 0.25 mm
 - 1 Capillary tubing (1/16"): ID 0.25 mm; Length: 3 m
 - 1 Capillary tubing (1/16"): ID 0.50 mm; Length: 3 m
 - 2 Capillary tubing (1/16"): ID 0.18 mm; Length: 100 mm
 - 2 Capillary tubing (1/16"): ID 0.25 mm; Length: 200 mm
 - 1 Tubing cutter for metal tubing
 - 1 valve tool 1/4" x 5/16" wrench
 - 1 Open-end wrench 1/4" x 5/16"
 - 1 Tweezers

Item	Unit piece	Price EURO
84084	1	470.00

THOMACHROM®-Cross Capillary Coupling made of Stainless Steel

Product specification

- Standard cross connector made of corrosion-proof stainless steel 1.4571 for coupling of four 1/16" metal capillaries, complete with ferrules and female screws.

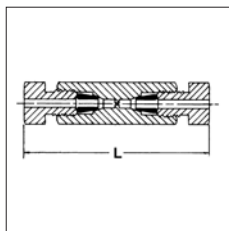
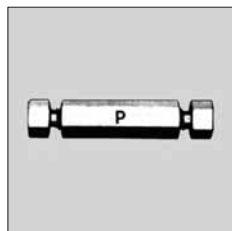


Item	For pipes outside Ø inch	Nominal width mm	Unit piece	Price EURO
84079	1/16"	0.25	1	126.00

THOMACHROM®-Straight Pipe Screwed Fitting made of Stainless Steel - low dead volume

Product specification

- Pipe screwed fitting with through bore, made of stainless steel 1.4401 (SS 316, US standard) for connection of standard micro capillaries for analytical applications.
- On both sides fitted with bite-type fitting joints for pressure withstanding connection. This method of sealing ensures almost zero dead volume.

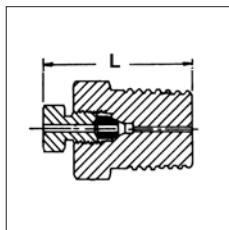
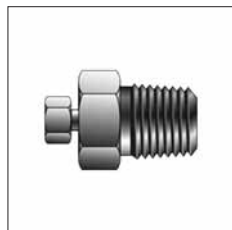


Item	For pipes outside Ø (A) inch	For pipes outside Ø (B) inch	L mm	Unit piece	Price EURO
54607	1/16"	1/16"	31.5	1	100.00
54608	1/8"	1/16"	36.6	1	108.00
54609	1/8"	1/8"	41.8	1	197.00

THOMACHROM®-Straight Pipe Screwed Fitting with Male Thread made of Stainless Steel - low dead volume

Product specification

- Screw-in adapters with through bore made of stainless steel 1.4401 (SS 316, US standard) for connection of micro-capillaries.
- Fitted on one side with a conical NPT-external thread for pressure-proof connection to analytical apparatuses and valves, on the other side with a bite-type fitting joint. This method of sealing ensures almost zero dead volume.

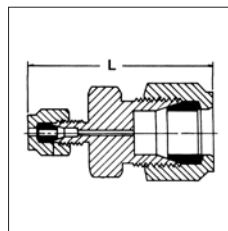
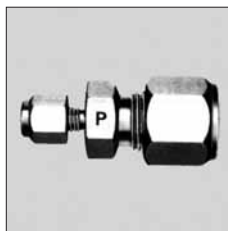


Item	For pipes outside Ø inch	External thread	L mm	Unit piece	Price EURO
54611	1/16"	NPT 1/16"	19	1	90.00
54612	1/16"	NPT 1/8"	20	1	90.00
54613	1/16"	NPT 1/4"	25.6	1	90.00

THOMACHROM®-Straight Column End Fitting with Male Thread made of Stainless Steel - low dead volume, without frit

Product specification

- Column end fitting made of stainless steel 1.4401 (SS 316, US standard) for connection of standard capillaries.
- On one side internal thread with interchangeable hollow nut and bite-type ring for individual reducing, on the other side fixed bite-type fitting joint. This method of sealing ensures almost zero dead volume.

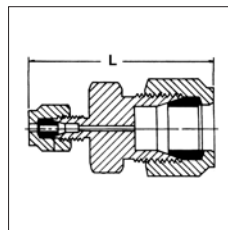
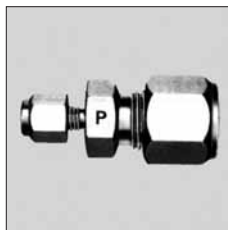


Item	For pipes outside Ø (A) inch	For pipes outside Ø (B) inch	L mm	Unit piece	Price EURO
54575	1/8"	1/16"	32.8	1	92.00
54576	1/4"	1/16"	35.3	1	110.00
54577	3/8"	1/16"	37.8	1	162.00

THOMACHROM®-Straight Column End Fitting with Male Thread made of Stainless Steel - low dead volume, with frit

Product specification

- Column end fitting made of stainless steel 1.4401 (SS 316, US standard) for screwed fitting of standard capillaries.
- On one side internal thread with interchangeable hollow nut and cutting ring for individual reducing, on the other side fixed bite-type fitting joint. The internal space of the connector is subdivided with a filter frit. This method of sealing ensures almost zero dead volume.

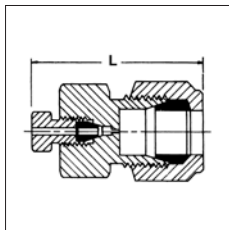
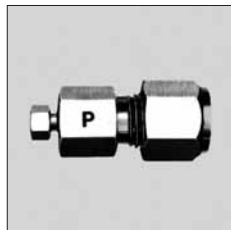


Item	For pipes outside Ø (A) inch	For pipes outside Ø (B) inch	L mm	Pore size µm	Price EURO
54578	1/8"	1/16"	32.8	0.5	116.00
54579	1/4"	1/16"	35.3	0.5	99.00
54580	3/8"	1/16"	37.8	0.5	109.00
54581	1/8"	1/16"	32.8	2	116.00
54582	1/4"	1/16"	35.3	2	99.00
54583	3/8"	1/16"	37.8	2	109.00
54584	1/8"	1/16"	32.8	5	116.00
54585	1/4"	1/16"	35.3	5	99.00
54586	3/8"	1/16"	37.8	5	109.00
54587	1/8"	1/16"	32.8	10	116.00
54588	1/4"	1/16"	35.3	10	99.00
54589	3/8"	1/16"	37.8	10	109.00

THOMACHROM®-Straight Column End Fitting with Female Thread made of Stainless Steel - low dead volume, with frit

Product specification

- Reducing fritted pipe screwed fitting made of stainless steel 1.4401 (SS 316, US standard) for screwed fitting of standard capillaries.
- On both sides fitted with bite-type fitting joints for standard capillaries of various diameters, the internal space of the connector being subdivided with a filter frit.



Item	For pipes outside Ø (A) inch	For pipes outside Ø (B) inch	L mm	Pore size µm	Unit piece	Price EURO
54594	1/8"	1/16"	32.8	0.5	1	129.00
54595	1/4"	1/16"	35.3	0.5	1	105.00
54596	3/8"	1/16"	37.8	0.5	1	129.00
54597	1/8"	1/16"	32.8	2	1	129.00
54598	1/4"	1/16"	35.3	2	1	105.00
54599	3/8"	1/16"	37.8	2	1	129.00
54600	1/8"	1/16"	32.8	5	1	129.00
54601	1/4"	1/16"	35.3	5	1	105.00
54602	3/8"	1/16"	37.8	5	1	129.00
54603	1/8"	1/16"	32.8	10	1	129.00
54604	1/4"	1/16"	35.3	10	1	105.00
54605	3/8"	1/16"	37.8	10	1	129.00

Micro Connecting Pieces (0.6 - 5.1 mm)

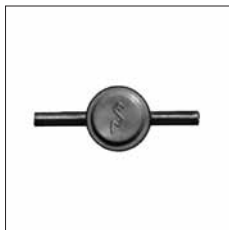
THOMAFUID®-Micro Connecting Piece

Product specification

- Ideal auxiliary for connecting and reducing of flexible micro tubing

Technical specification

- Material:** chromium-nickel-steel, additionally embedded in dyed polypropylene



Item	For tubing inside Ø mm	Nominal width mm	Colour	Unit piece	Price EURO
946011	0.9	0.6	blue	1	15.00
946012	0.9	0.6	blue	10	113.00
946031	1.6	1.2	green	1	15.00
946032	1.6	1.2	green	10	113.00
946041	2.4	1.8	red	1	15.00
946042	2.4	1.8	red	10	113.00
946051	3.8	3	orange	1	15.00
946052	3.8	3	orange	10	113.00
946061	5.1	4.4	white	1	15.00
946062	5.1	4.4	white	10	113.00

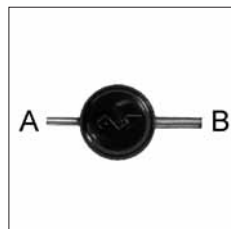
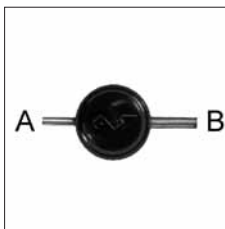
THOMAFUID®-Micro Connecting (reducing) Piece

Product specification

- For connection of tubing of varying diameters

Technical specification

- Material:** chromium-nickel-steel
- Colour:** black

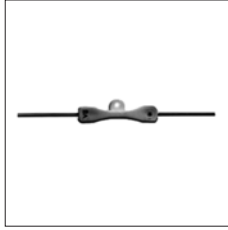
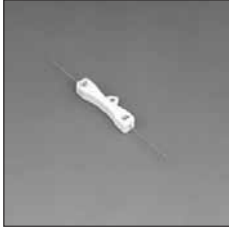


Item	For tubing inside Ø (A) mm	Nominal width (A) mm	For tubing inside Ø (B) mm	Nominal width (B) mm	Unit piece	Price EURO
946301	0.9	0.6	1.6	1.2	1	20.00
946302	0.9	0.6	1.6	1.2	3	51.00
946311	0.9	0.6	2.4	1.8	1	20.00
946312	0.9	0.6	2.4	1.8	3	51.00
946321	0.9	0.6	3.8	3	1	20.00
946322	0.9	0.6	3.8	3	3	51.00
946331	1.6	1.2	2.4	1.8	1	20.00
946332	1.6	1.2	2.4	1.8	3	51.00
946341	1.6	1.2	3.8	3	1	20.00
946342	1.6	1.2	3.8	3	3	51.00
946351	1.6	1.2	5.1	4.4	1	20.00
946352	1.6	1.2	5.1	4.4	3	51.00
946361	2.4	1.8	3.8	3	1	20.00
946362	2.4	1.8	3.8	3	3	51.00
946371	2.4	1.8	5.1	4.4	1	20.00
946372	2.4	1.8	5.1	4.4	3	51.00
946381	3.8	3	5.1	4.4	1	20.00
946382	3.8	3	5.1	4.4	3	51.00

THOMAFUID®-Micro Connecting Piece with eyelet

Technical specification

- **Material:** made of stainless steel, with eyelet



Item	For tubing inside Ø mm	Nominal width mm	Unit piece	Price EURO
96668	1.2	0.8	2	33.00
96669	0.9	0.6	2	33.00
96670	0.8	0.2	2	33.00

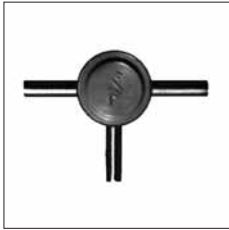
THOMAFUID®-Micro T-Shaped Piece

Product specification

- Ideal auxiliary for connecting, reducing, and distributing of flexible micro tubing

Technical specification

- **Material:** chromium-nickel-steel, additionally embedded in dyed polypropylene



Item	For tubing inside Ø mm	Nominal width mm	Colour	Unit piece	Price EURO
946111	0.9	0.6	blue	1	on req.
946112	0.9	0.6	blue	10	on req.
946131	1	1.2	green	1	19.00
946132	1	1.2	green	10	152.00
946141	2.4	1.8	red	1	19.00
946142	2.4	1.8	red	10	152.00
946151	3.8	3	orange	1	19.00
946152	3.8	3	orange	10	152.00
946161	5.1	4.4	white	1	19.00
946162	5.1	4.4	white	10	152.00

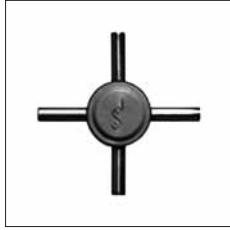
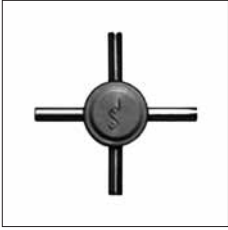
THOMAFUID®-Micro Cross Piece

Product specification

- Ideal auxiliary for connecting, reducing, and distributing of flexible micro tubing

Technical specification

- **Material:** chromium-nickel-steel, additionally embedded in dyed polypropylene

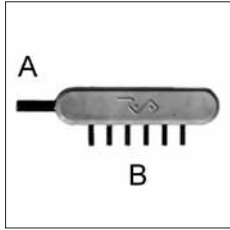
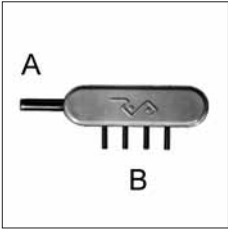


Item	For tubing inside Ø mm	Nominal width mm	Colour	Unit piece	Price EURO
946211	0.9	0.6	blue	1	24.00
946212	0.9	0.6	blue	10	198.00
946231	1.6	1.2	green	1	24.00
946232	1.6	1.2	green	10	198.00
946241	2.4	1.8	red	1	26.00
946242	2.4	1.8	red	10	214.00
946251	3.8	3	orange	1	26.00
946252	3.8	3	orange	10	214.00
946261	5.1	4.4	white	1	26.00
946262	5.1	4.4	white	10	214.00

THOMAFUID®-Manifold with 4 or 6 lateral outlets

Technical specification

- **Material:** stainless steel, with wide inlet and 4 or 6 narrow lateral outlets
- **Colour:** grey



946421

Item	Outlets	For tubing inside Ø (A) mm	Nominal width (A) mm	For tubing inside Ø (B) mm	Nominal width (B) mm	Unit piece	Price EURO
946391	4	2.4	1.8	0.9	0.6	1	33.00
946392	4	2.4	1.8	0.9	0.6	3	84.00
946401	4	3.8	3	1.6	1.2	1	33.00
946402	4	3.8	3	1.6	1.2	3	84.00

Item	Outlets	For tubing inside Ø (A) mm	Nominal width (A) mm	For tubing inside Ø (B) mm	Nominal width (B) mm	Unit piece	Price EURO
946411	4	5.1	4.4	2.4	1.8	1	33.00
946412	4	5.1	4.4	2.4	1.8	3	84.00
946421	6	2.4	1.8	0.9	0.6	1	38.00
946422	6	2.4	1.8	0.9	0.6	3	99.00
946431	6	3.8	3	1.6	1.2	1	38.00
946432	6	3.8	3	1.6	1.2	3	99.00
946441	6	5.1	4.4	2.4	1.8	1	38.00
946442	6	5.1	4.4	2.4	1.8	3	99.00

Tubing Olive Connectors (6 - 29 mm)

THOMAFUID®-Fittings made of Brass, Nickel-Plated

Application area

- Fluid technology, compressed air technology, automation, measurement and control technology, apparatus engineering, machine engineering

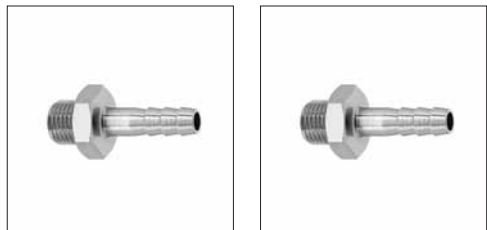
General technical specification

- 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

THOMAFUID®-Straight Barb Connector with Male Thread made of Brass, Nickel-Plated

Product specification

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

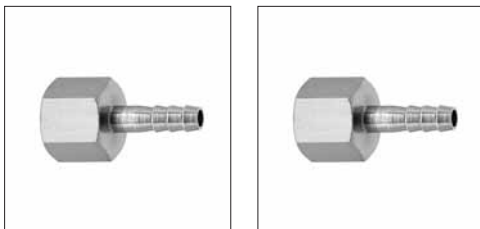


Item	For tubing inside Ø mm	External thread	Length mm	WAF mm	Unit piece	Price EURO
331179	6	G 1/8"	25	12	10	30.00
331180	9	G 1/8"	28	12	10	30.00
331181	6	G 1/4"	25	14	10	38.00
331182	9	G 1/4"	28	14	10	38.00
331183	9	G 3/8"	29	19	10	42.00
331184	14	G 3/8"	32	19	10	42.00
331185	14	G 1/2"	38	22	10	74.00
331186	20	G 3/4"	39	27	5	72.00

THOMAFUID®-Straight Barb Connector with Female Thread made of Brass, Nickel-Plated

Product specification

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



Item	Internal thread	For tubing inside Ø mm	Length mm	WAF mm	Unit piece	Price EURO
331187	G 1/8"	6	31	13	10	30.00
331188	G 1/4"	6	34	17	10	36.00
331189	G 1/4"	9	34	17	10	40.00
331190	G 3/8"	9	35	22	10	48.00
331191	G 1/2"	13	42	24	10	116.00

THOMAFUID®-Pneumatic Fittings made of Brass

Application area

- Fluid technology, compressed air technology, automation, measurement and control technology, apparatus engineering, machine engineering

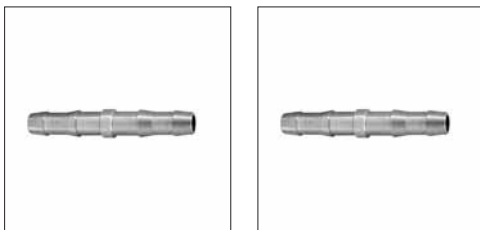
General technical specification

- Material:** brass MS 58 (2.0401)
- Material composition:** CuZn 39 Pb3 - material 2.0401
- Max. operating pressure:** 12 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

THOMAFUID®-Straight Barb Union made of Brass

Product specification

- Tubing nozzle connectors with equal connecting pieces on both sides



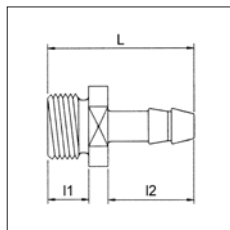
Item	For tubing inside Ø mm	Nominal width mm	Length mm	Unit piece	Price EURO
331101	6	5	72	10	88.00
331102	8	7	72	10	98.00

Item	For tubing inside Ø mm	Nominal width mm	Length mm	Unit piece	Price EURO
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

THOMAFUID®-Straight Barb Connector with Male Thread made of Brass - rigid

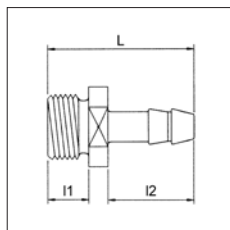
Product specification

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



Item	For tubing inside Ø mm	External thread	Nominal width mm	L mm	Unit piece	Price EURO
331059	6	G 1/8"	5	37	10	36.00
331060	9	G 1/8"	5	37	10	38.00
331061	6	G 1/4"	5	39	10	48.00
331062	8	G 1/4"	6	39	10	48.00
331063	9	G 1/4"	7	39	10	42.00
331064	11	G 1/4"	8	39	10	72.00
331065	13	G 1/4"	8	39	10	52.00
331066	6	G 3/8"	5	40	10	56.00
331067	8	G 3/8"	6	40	10	54.00
331068	9	G 3/8"	7	40	10	54.00
331069	11	G 3/8"	8	40	10	74.00
331070	13	G 3/8"	9.5	40	10	52.00
331071	6	G 1/2"	5	40	10	90.00
331072	9	G 1/2"	7	40	10	72.00
331073	13	G 1/2"	11	40	10	74.00

THOMAFUID®-Straight Barb Connector with Male Thread made of Brass - swivelling



Product specification

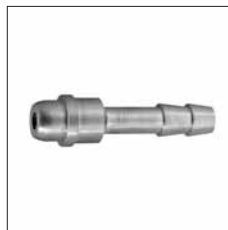
- Swivelling threaded nozzle with R-external thread (conical) according to DIN 2999 and Loctite-coated

Item	For tubing inside Ø mm	External thread	Nominal width mm	L mm	Unit piece	Price EURO
331108	6	R 1/4"	5	50	5	106.00
331109	9	R 1/4"	6	50	5	112.00
331110	6	R 3/8"	5	52	5	118.00
331111	9	R 3/8"	7	52	5	118.00
331112	11	R 3/8"	7	52	5	124.00

THOMAFUID®-Straight Barb Union with External Cone made of Brass

Product specification

- Tubing nozzle with external cone, but without cap nut



Item	For tubing inside Ø mm	Nominal width 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

THOMAFUID®-Cap Nut for Tubing Nozzle made of Brass

Product specification

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

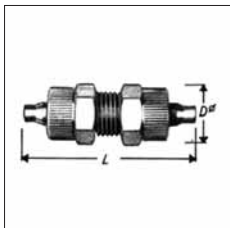
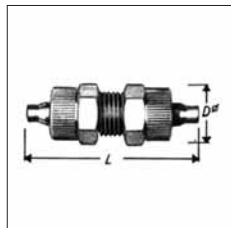
Item	External thread	Nominal width mm	h mm	WAF mm	Unit piece	Price EURO
331083	G 1/8"	7.2	12	13	10	30.00
331084	G 1/4"	10.6	14	17	10	30.00
331085	G 3/8"	13	15	19	10	30.00
331086	G 1/2"	15.5	16	24	10	40.00

Screw Joints for Tubings (2 - 12 mm)

THOMAFIUID®-Straight Connector made of Brass

Product specification

- Tubing connections on both sides

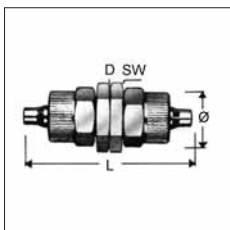
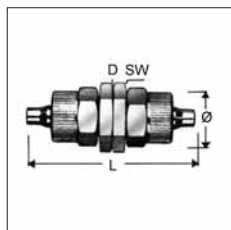


Item	NW mm	L mm	D mm	Unit piece	Price EURO
50233	3/5	34	8.5	10	34.00
50234	4/6	36	11	10	34.00
50235	6/8	46	15	10	49.00
50236	6/10	46	15	10	49.00
50237	8/10	46	17	10	59.00
50238	8/12	46	17	10	59.00
10783	12/16	54	21	5	55.00

THOMAFIUID®-Straight Connector made of Brass - Bulkhead

Product specification

- Tubing connections on both sides

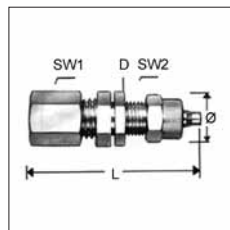
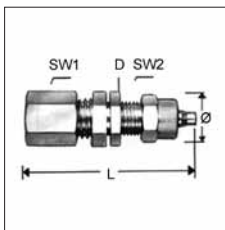


Item	NW mm	D mm	L mm	Unit piece	Price EURO
50261	3/5	8	34	5	26.00
50262	4/6	11	38	5	31.00
50263	6/8	14	46	5	36.00
50265	8/10	16	46	5	46.00
50266	8/12	16	46	5	46.00

THOMAFIUID®-Straight Connector (reducing) made of Brass - Bulkhead

Product specification

- Tubing connection on one side, pipe connection on the other side

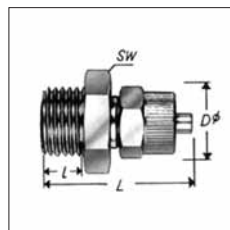
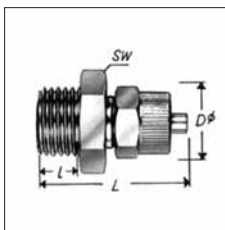


Item	NW mm	For pipes outside Ø mm	L mm	D mm	Unit piece	Price EURO
50240	4/6	6	49	11	5	41.00
50241	4/6	8	49	11	5	45.00
50242	4/6	10	51	11	5	65.00
50243	4/6	12	51	11	3	78.00
50244	6/8	6	51	15	5	70.00
50245	6/8	8	51	15	5	75.00
50246	6/8	10	53	15	5	75.00
50247	6/8	12	53	15	4	80.00
50249	6/10	8	51	15	5	80.00
50250	6/10	10	53	15	4	80.00
50251	6/10	12	53	15	3	81.00
50252	8/10	6	51	17	5	75.00
50253	8/10	8	51	17	5	80.00
50254	8/10	10	53	17	4	80.00
50255	8/10	12	53	17	5	90.00
50256	8/12	6	51	17	5	80.00
50257	8/12	8	51	17	5	80.00
50258	8/12	10	53	17	4	88.00
50259	8/12	12	53	17	3	81.00
10780	12/16	10	55	21	3	93.00
10781	12/16	12	55	21	3	93.00
10782	12/16	15	60	21	3	93.00

THOMAFIUID®-Straight Connector with Male Thread made of Brass

Product specification

- Tubing connection on one side, R-external thread on the other side



Item	NW mm	External thread	L mm	I mm	D mm	Unit piece	Price EURO
50171	3/5	R 1/8"	22	6	8.5	10	27.00
50172	4/6	R 1/8"	25	6	11	10	27.00

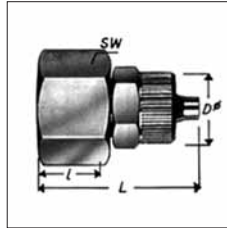
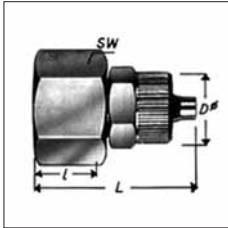
Item	NW	External thread	L	I	D	Unit	Price
	mm		mm	mm	mm	piece	EURO
50173	6/8	R 1/8"	27	6	15	10	34.00
50174	6/10	R 1/8"	27	6	15	10	34.00
50175	8/10	R 1/8"	27	6	17	10	34.00
50176	7/12	R 1/8"	27	6	17	10	34.00
50177	4/6	R 1/4"	28	8	11	10	34.00
50178	6/8	R 1/4"	30	8	15	10	34.00
50179	6/10	R 1/4"	30	8	15	10	34.00
50180	8/10	R 1/4"	30	8	17	10	46.00
50181	8/12	R 1/4"	30	8	17	10	46.00
50182	4/6	R 3/8"	29	9	11	10	54.00
50183	6/8	R 3/8"	31	9	15	10	54.00
50184	6/10	R 3/8"	31	9	15	10	54.00
50185	8/10	R 3/8"	31	9	17	10	60.00
50186	8/12	R 3/8"	31	9	17	10	60.00
50187	4/6	R 1/2"	33	10	11	5	34.00
50188	6/8	R 1/2"	35	10	15	5	40.00
50189	6/10	R 1/2"	35	10	15	5	40.00
50190	8/10	R 1/2"	35	10	17	5	45.00
50191	8/12	R 1/2"	35	10	17	5	45.00
50192	12/16	R 1/2"	37	10	21	5	46.00
50193	4/6	NPT 1/8"	30	11	11	10	29.00
50194	4/6	NPT 1/4"	37	15	11	10	34.00
50195	6/8	NPT 1/4"	39	15	15	10	34.00
50196	6/10	NPT 1/4"	39	15	15	10	34.00

¹ suitable for manometer

THOMAFUID®-Straight Connector with Female Thread made of Brass

Product specification

- Tubing connection on one side, R-internal thread on the other side



Item	NW	Internal thread	L	I	D	Unit	Price
	mm		mm	mm	mm	piece	EURO
50199	3/5	R 1/8"	21	6	8.5	10	34.00
50200	4/6	R 1/8"	25	6	11	10	36.00
50201	6/8	R 1/8"	27	6	15	10	36.00
50202	6/10	R 1/8"	27	6	15	10	36.00
50203	8/10	R 1/8"	27	6	17	10	36.00
50204	8/12	R 1/8"	27	6	17	10	36.00
50205	4/6	R 1/4"	28	6	11	10	44.00
50206 ¹	6/8	R 1/4"	30	8	15	10	50.00
50207 ¹	6/10	R 1/4"	30	8	15	10	50.00
50208 ¹	8/10	R 1/4"	30	8	17	10	54.00

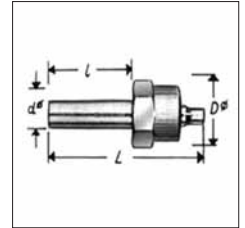
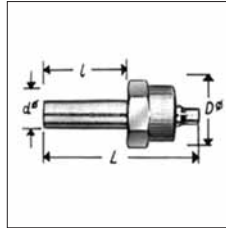
Item	NW	Internal thread	L	I	D	Unit	Price
	mm		mm	mm	mm	piece	EURO
50209 ¹	8/12	R 1/4"	30	8	17	10	54.00
50210	4/6	R 3/8"	29	9	11	10	59.00
50211	6/8	R 3/8"	31	9	15	10	59.00
50212	6/10	R 3/8"	31	9	15	10	62.00
50213	8/10	R 3/8"	31	9	17	10	62.00
50214	8/12	R 3/8"	31	9	17	10	62.00
50215	4/6	R 1/2"	33	10	11	10	72.00
50216 ¹	6/8	R 1/2"	35	10	15	10	72.00
50217 ¹	6/10	R 1/2"	35	10	15	10	72.00
50218 ¹	8/10	R 1/2"	35	10	17	10	80.00
50219 ¹	8/12	R 1/2"	35	10	17	10	80.00
50220 ¹	12/16	R 1/2"	37	10	21	10	77.00

¹ suitable for manometer

THOMAFUID®-Soldered Connecting Nozzle made of Brass

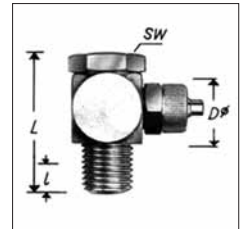
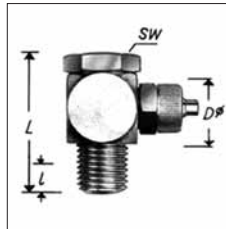
Product specification

- Straight, tubing connection on one side, soldered connecting nozzle on the other side



Item	NW	Ø adapter	D	L	Unit	Price
	mm	mm	mm	mm	piece	EURO
50225	2/3	4		16	10	13.00
50226	3/5	4	8.5	24	10	21.00
50227	4/6	6	11	35	10	26.00
50228	6/8	8	15	37	10	31.00
50229	6/10	8	15	37	10	31.00
50230	8/10	10	17	37	10	41.00
50231	8/12	10	17	37	10	41.00

THOMAFUID®-Elbow Connector with Male Thread made of Brass



Product specification

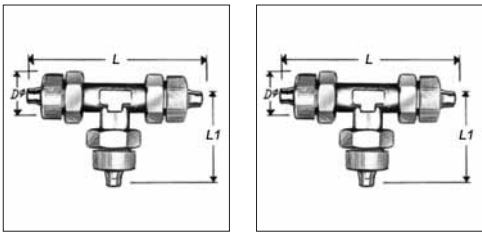
- L-shape, tubing connection on one side, R-external thread on the other side

Item	NW mm	External thread	L mm	I mm	D mm	Unit piece	Price EURO
10758	3/5	R 1/8"	26	6	8.5	10	62.00
10759	4/6	R 1/8"	26	6	11	10	70.00
10760	6/8	R 1/8"	29	6	15	10	70.00
10761	6/10	R 1/8"	29	6	15	10	80.00
10762	8/10	R 1/8"	29	6	17	10	90.00
10763	8/12	R 1/8"	29	6	17	10	90.00
10764	4/6	R 1/4"	30	8	11	10	90.00
10765	6/8	R 1/4"	30	8	15	10	90.00
10766	6/10	R 1/4"	30	8	15	10	90.00
10767	8/10	R 1/4"	30	8	17	10	90.00
10768	8/12	R 1/4"	30	8	17	5	75.00
10769	4/6	R 3/8"	37	9	11	5	75.00
10770	6/8	R 3/8"	37	9	15	5	80.00
10771	6/10	R 3/8"	37	9	15	5	80.00
10772	8/10	R 3/8"	37	9	17	5	80.00
10773	8/12	R 3/8"	37	9	17	5	75.00
10774	4/6	R 1/2"	44	10	11	5	75.00
10775	6/8	R 1/2"	44	10	15	5	80.00
10776	6/10	R 1/2"	44	10	15	5	80.00
10777	8/10	R 1/2"	44	10	17	5	85.00
10778	8/12	R 1/2"	44	10	17	5	85.00
10779	12/16	R 1/2"	44	10	21	5	97.00

THOMAFUID®-T-Shaped Connector made of Brass

Product specification

- Tubing connections on all three sides

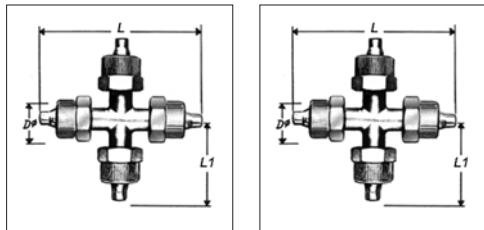


Item	NW mm	L mm	L1 mm	D mm	Unit piece	Price EURO
50268	2/3	24	12	8.5	5	44.00
50269	3/5	41	20.5	8.5	5	44.00
50270	4/6	50	25	11	5	49.00
50271	6/8	58	29	15	5	65.00
50272	6/10	58	29	15	5	65.00
50273	8/10	58	29	17	5	80.00
50274	8/12	58	29	17	5	80.00
10757	12/16	60	30	21	3	72.00

THOMAFUID®-Cross Connector made of Brass

Product specification

- Tubing connections on all four sides



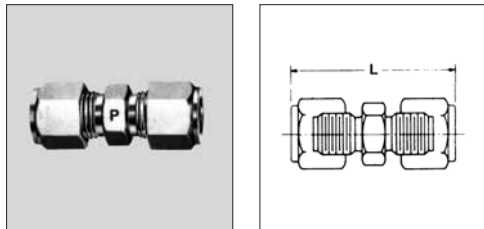
Item	NW mm	L mm	L1 mm	D mm	Unit piece	Price EURO
50276	2/3	24	12	8.5	5	36.00
50277	3/5	41	20.5	8.5	5	36.00
50278	4/6	50	25	11	5	67.00
50279	6/8	58	29	15	5	75.00
50280	6/10	58	29	15	5	75.00
50281	8/10	58	29	17	5	100.00
50282	8/12	58	29	17	5	100.00

Screw Joints for Imperial Pipes (1/16" - 1/2")

THOMAFUID®-Straight Pipe Screwed Fitting made of Brass or Stainless Steel

Product specification

- Pipe screwed fittings with through bore, made of brass and stainless steel 1.4401 (SS 316, US standard) for connection of standard capillaries.
- On both sides fitted with bite-type fitting joints for pressure withstanding connection. This method of sealing ensures almost zero dead volume.



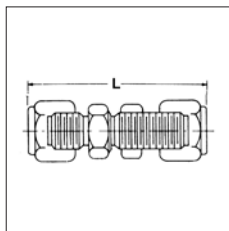
Item	For pipes outside Ø (A) inch	For pipes outside Ø (B) inch	Material	L mm	Unit piece	Price EURO
54744	1/16"	1/16"	stainless steel	27.2	1	61.00
54745	1/16"	1/16"	brass	27.2	1	16.00
54746	1/8"	1/16"	stainless steel	32.2	1	62.00
54747	1/8"	1/16"	brass	32.2	1	15.00

Item	For pipes outside Ø (A) inch	For pipes outside Ø (B) inch	Material	L		Price
				mm	piece	EURO
54748	1/8"	1/8"	stainless steel	36.1	1	61.00
54749	1/8"	1/8"	brass	36.1	1	16.00
54750	1/4"	1/16"	stainless steel	35.3	1	62.00
54751	1/4"	1/16"	brass	35.3	1	15.00
54752	1/4"	1/8"	stainless steel	38.9	1	62.00
54753	1/4"	1/8"	brass	38.9	1	16.00
54754	1/4"	1/4"	stainless steel	40.9	1	61.00
54755	1/4"	1/4"	brass	40.9	1	16.00
54756	3/8"	1/4"	stainless steel	43.7	1	62.00
54757	3/8"	1/4"	brass	43.7	1	18.00
54758	3/8"	3/8"	stainless steel	46.1	1	61.00
54759	3/8"	3/8"	brass	46.1	1	18.00
54760	1/2"	1/4"	stainless steel	48.1	1	87.00
54761	1/2"	1/4"	brass	48.1	1	29.00
54762	1/2"	3/8"	stainless steel	50.1	1	87.00
54763	1/2"	3/8"	brass	50.1	1	29.00
54764	1/2"	1/2"	stainless steel	53.3	1	89.00
54765	1/2"	1/2"	brass	53.3	1	29.00

THOMAFIUID®-Straight Pipe Screwed Fitting made of Brass or Stainless Steel - Bulkhead

Product specification

- Pipe bulkhead screwed fittings with through bore, made of brass or stainless steel 1.4401 (SS 316, US standard) for connection of standard capillaries.
- On both sides fitted with bite-type fitting joints, long screwed shank with lock nut for arrestment of the joint. This method of sealing ensures almost zero dead volume.

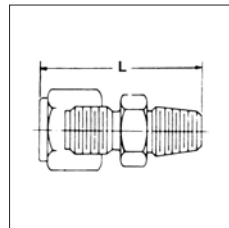


Item	For pipes outside Ø inch	Material	Control panel bore mm	L		Price
				mm	piece	EURO
54767	1/8"	stainless steel	12.7	51.8	1	92.00
54768	1/8"	brass	12.7	51.8	1	34.00
54769	1/4"	stainless steel	13.5	57.7	1	92.00
54780	1/4"	brass	13.5	57.7	1	34.00
54781	3/8"	stainless steel	14.3	63.5	1	92.00
54782	3/8"	brass	14.3	63.5	1	34.00
54783	1/2"	stainless steel	15.1	73.2	1	123.00
54784	1/2"	brass	15.1	73.2	1	36.00

THOMAFIUID®-Straight Pipe Screwed Fitting with Male Thread made of Brass or Stainless Steel

Product specification

- Screw-in connectors with through bore made of brass or stainless steel 1.4401 (SS 316, US standard) for connection of micro-capillaries.
- Fitted on one side with a conical NPT-external thread for pressure-proof connection to vessels and valves, on the other side with a bite-type fitting joint. This method of sealing ensures almost zero dead volume.

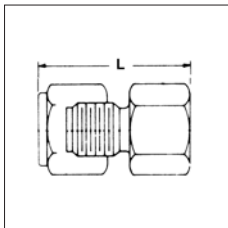


Item	For pipes outside Ø inch	External thread	Material	L		Price
				mm	piece	EURO
54615	1/16"	NPT 1/16"	stainless steel	24.6	1	50.00
54616	1/16"	NPT 1/16"	brass	24.6	1	23.00
54617	1/16"	NPT 1/8"	stainless steel	26.1	1	50.00
54618	1/16"	NPT 1/8"	brass	26.1	1	23.00
54619	1/16"	NPT 1/4"	stainless steel	31.8	1	50.00
54620	1/16"	NPT 1/4"	brass	31.8	1	23.00
54621	1/8"	NPT 1/16"	stainless steel	30.1	1	39.00
54622	1/8"	NPT 1/16"	brass	30	1	20.00
54623	1/8"	NPT 1/8"	stainless steel	30.1	1	39.00
54624	1/8"	NPT 1/8"	brass	30	1	20.00
54625	1/8"	NPT 1/4"	stainless steel	35.6	1	39.00
54626	1/8"	NPT 1/4"	brass	35.6	1	20.00
54627	1/4"	NPT 1/8"	stainless steel	32.8	1	39.00
54628	1/4"	NPT 1/8"	brass	32.8	1	20.00
54629	1/4"	NPT 1/4"	stainless steel	37.6	1	39.00
54630	1/4"	NPT 1/4"	brass	37.6	1	20.00
54631	1/4"	NPT 3/8"	stainless steel	38.4	1	44.00
54632	1/4"	NPT 3/8"	brass	38.4	1	20.00
54633	1/4"	NPT 1/2"	stainless steel	43.9	1	44.00
54634	1/4"	NPT 1/2"	brass	43.9	1	21.00
54635	3/8"	NPT 1/8"	stainless steel	35.6	1	44.00
54636	3/8"	NPT 1/8"	brass	35.6	1	21.00
54637	3/8"	NPT 1/4"	stainless steel	40.4	1	44.00
54638	3/8"	NPT 1/4"	brass	40.4	1	21.00
54639	3/8"	NPT 3/8"	stainless steel	40.4	1	59.00
54640	3/8"	NPT 3/8"	brass	40.4	1	33.00
54641	3/8"	NPT 1/2"	stainless steel	46.1	1	61.00
54642	3/8"	NPT 1/2"	brass	46	1	33.00
54643	1/2"	NPT 1/4"	stainless steel	44.5	1	61.00
54644	1/2"	NPT 1/4"	brass	44.5	1	33.00
54645	1/2"	NPT 3/8"	stainless steel	44.5	1	70.00
54646	1/2"	NPT 3/8"	brass	44.5	1	33.00
54647	1/2"	NPT 1/2"	stainless steel	44.3	1	70.00
54648	1/2"	NPT 1/2"	brass	44.3	1	33.00

THOMAFLUID®-Straight Pipe Screwed Fitting with Female Thread made of Brass or Stainless Steel

Product specification

- Pipe screw-on screwed fittings with through bore, made of brass or stainless steel 1.4401 (SS 316, US standard) for connection of standard capillaries.
- Fitted on one side with conical NPT internal thread, on the other side with bite-type fitting joint. This method of sealing ensures almost zero dead volume.

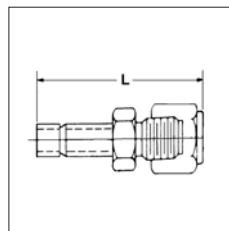


Item	For pipes outside Ø inch	Internal thread	Material	L		Price
				mm	piece	
54717	1/16"	NPT 1/16"	stainless steel	24.6	1	59.00
54718	1/16"	NPT 1/16"	brass	24.6	1	on req.
54719	1/8"	NPT 1/8"	stainless steel	29.2	1	41.00
54720	1/8"	NPT 1/8"	brass	29.2	1	18.00
54721	1/8"	NPT 1/4"	stainless steel	33.8	1	41.00
54722	1/8"	NPT 1/4"	brass	33.8	1	18.00
54723	1/4"	NPT 1/8"	stainless steel	31.2	1	41.00
54724	1/4"	NPT 1/8"	brass	31.2	1	18.00
54725	1/4"	NPT 1/4"	stainless steel	36.1	1	41.00
54726	1/4"	NPT 1/4"	brass	36.1	1	18.00
54727	1/4"	NPT 1/2"	stainless steel	43.9	1	59.00
54728	1/4"	NPT 1/2"	brass	43.9	1	26.00
54729	3/8"	NPT 1/8"	stainless steel	33.3	1	46.00
54730	3/8"	NPT 1/8"	brass	33.3	1	21.00
54731	3/8"	NPT 1/4"	stainless steel	38.1	1	46.00
54732	3/8"	NPT 1/4"	brass	38.1	1	21.00
54733	3/8"	NPT 3/8"	stainless steel	39.6	1	59.00
54734	3/8"	NPT 3/8"	brass	39.6	1	21.00
54735	3/8"	NPT 1/2"	stainless steel	44.5	1	75.00
54736	3/8"	NPT 1/2"	brass	44.5	1	26.00
54737	1/2"	NPT 1/4"	stainless steel	42.9	1	59.00
54738	1/2"	NPT 1/4"	brass	42.9	1	26.00
54739	1/2"	NPT 3/8"	stainless steel	42.9	1	62.00
54740	1/2"	NPT 3/8"	brass	42.9	1	26.00
54741	1/2"	NPT 1/2"	stainless steel	47.8	1	85.00
54742	1/2"	NPT 1/2"	brass	47.8	1	31.00

THOMAFLUID®-Straight Pipe Screwed Fitting with Shaft made of Brass or Stainless Steel

Product specification

- Adapter with through bore made of brass or stainless steel 1.4401 (SS 316, US standard) for connection of standard capillaries.
- Fitted with a bite-type fitting joint on one side and a spigot as reducer on the other side.

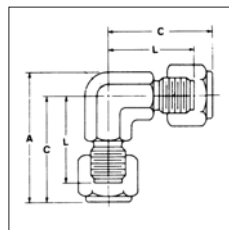


Item	For pipes outside Ø inch	Ø adapter mm	Material	L		Price
				mm	piece	
54704	1/16"	3.2	stainless steel	30.2	1	49.00
54705	1/8"	1.6	brass	30.2	1	15.00
54706	1/8"	6.4	stainless steel	36.3	1	34.00
54707	1/4"	3.2	brass	36.3	1	13.00
54708	1/8"	9.5	stainless steel	37.8	1	34.00
54709	3/8"	3.2	brass	37.8	1	on req.
54710	1/4"	9.5	stainless steel	40.6	1	34.00
54711	3/8"	6.4	brass	40.6	1	13.00
54712	1/4"	12.7	stainless steel	46.2	1	44.00
54713	1/2"	6.4	brass	46.2	1	18.00
54714	3/8"	12.7	stainless steel	49.3	1	44.00
54715	1/2"	9.5	brass	49.3	1	18.00

THOMAFLUID®-Elbow Pipe Screwed Fitting made of Brass or Stainless Steel

Product specification

- Elbow screwed fittings with through bore, made of brass or stainless steel 1.4401 (SS 316, US standard) for connection of standard capillaries.
- On both sides fitted with bite-type fitting joints for pressure withstanding connection. This method of sealing ensures almost zero dead volume.

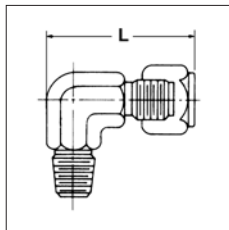


Item	For pipes outside Ø inch	Material	Length mm	Unit piece	Price EURO
54788	1/8"	stainless steel	27.9	1	58.00
54789	1/8"	brass	27.9	1	28.00
54790	1/4"	stainless steel	31.8	1	63.00
54791	1/4"	brass	31.8	1	29.00
54792	3/8"	stainless steel	37.3	1	70.00
54793	3/8"	brass	37.3	1	34.00
54794	1/2"	stainless steel	46.2	1	110.00
54795	1/2"	brass	46.2	1	44.00

THOMAFUID®-Elbow Pipe Screwed Fitting with Male Thread made of Brass or Stainless Steel

Product specification

- Elbow screw-in screwed fittings with through bore made of brass or stainless steel 1.4401 (SS 316, US standard) for connection of standard capillaries.
- Fitted on one side with a conical NPT-external thread for pressure-proof connection to vessels and valves, on the other side with a bite-type fitting joint. This method of sealing ensures almost zero dead volume.

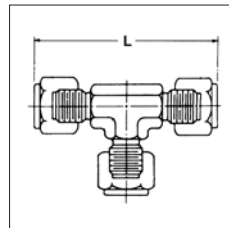


Item	For pipes outside Ø inch	External thread	Material	Length	Unit	Price
				mm	piece	EURO
54673	1/16"	NPT 1/16"	stainless steel	23.4	1	87.00
54674	1/16"	NPT 1/16"	brass	23.4	1	on req.
54675	1/16"	NPT 1/8"	stainless steel	23.4	1	87.00
54676	1/16"	NPT 1/8"	brass	23.4	1	on req.
54677	1/8"	NPT 1/8"	stainless steel	27.9	1	57.00
54678	1/8"	NPT 1/8"	brass	27.9	1	23.00
54679	1/8"	NPT 1/4"	stainless steel	33.3	1	57.00
54680	1/8"	NPT 1/4"	brass	33.3	1	23.00
54681	1/4"	NPT 1/8"	stainless steel	31.8	1	57.00
54682	1/4"	NPT 1/8"	brass	31.8	1	23.00
54683	1/4"	NPT 1/4"	stainless steel	35.1	1	57.00
54684	1/4"	NPT 1/4"	brass	35.1	1	23.00
54685	1/4"	NPT 3/8"	stainless steel	40.1	1	72.00
54686	1/4"	NPT 3/8"	brass	40.1	1	39.00
54687	1/4"	NPT 1/2"	stainless steel	44.2	1	72.00
54688	1/4"	NPT 1/2"	brass	44.2	1	39.00
54689	3/8"	NPT 1/8"	stainless steel	37.3	1	72.00
54690	3/8"	NPT 1/8"	brass	37.3	1	29.00
54691	3/8"	NPT 1/4"	stainless steel	37.3	1	72.00
54692	3/8"	NPT 1/4"	brass	37.3	1	34.00
54693	3/8"	NPT 3/8"	stainless steel	42.9	1	72.00
54694	3/8"	NPT 3/8"	brass	42.9	1	34.00
54695	3/8"	NPT 1/2"	stainless steel	46.2	1	95.00
54696	3/8"	NPT 1/2"	brass	46.2	1	34.00
54697	1/2"	NPT 1/4"	stainless steel	46.2	1	85.00
54698	1/2"	NPT 1/4"	brass	46.2	1	34.00
54699	1/2"	NPT 3/8"	stainless steel	46.2	1	85.00
54700	1/2"	NPT 3/8"	brass	46.2	1	34.00
54701	1/2"	NPT 1/2"	stainless steel	49.5	1	108.00
54702	1/2"	NPT 1/2"	brass	49.5	1	34.00

THOMAFUID®-T-Shaped Pipe Screwed Fitting made of Brass or Stainless Steel

Product specification

- T-shaped pipe screwed fittings with through bore, made of brass or stainless steel 1.4401 (SS 316, US standard) for connection of standard capillaries.
- At three sides pipe connections, each fitted with bite-type fitting joints for pressure withstanding connection. This method of sealing ensures almost zero dead volume.

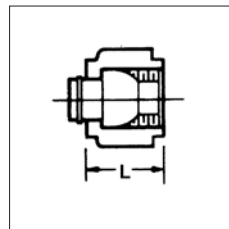


Item	For pipes outside Ø inch	Material	L	Unit	Price
			mm	piece	EURO
54797	1/16"	stainless steel	38.1	1	146.00
54798	1/16"	brass	38.1	1	42.00
54799	1/8"	stainless steel	47.2	1	90.00
54800	1/8"	brass	47.2	1	36.00
54801	1/4"	stainless steel	51.3	1	90.00
54802	1/4"	brass	51.3	1	36.00
54803	3/8"	stainless steel	58.4	1	108.00
54804	3/8"	brass	58.4	1	39.00
54805	1/2"	stainless steel	71.6	1	164.00
54806	1/2"	brass	71.6	1	59.00

THOMAFUID®-Screw Cap for Pipe Screwed Fitting made of Brass or Stainless Steel

Product specification

- Screw cap made of brass or stainless steel 1.4401 (SS 316, US standard)
- For closing of pipe screwed fittings accommodating pipes dimensioned 1/16", 1/8", 1/4", 3/8" and 1/2".



Item	For pipes outside Ø inch	Material	L	Unit	Price
			mm	piece	EURO
54808	1/16"	stainless steel	7.9	1	41.00
54809	1/16"	brass	7.9	5	on req.

Item	For pipes outside Ø inch	Material	L mm	Unit piece	Price EURO
54810	1/8"	stainless steel	11.9	1	26.00
54811	1/8"	brass	11.9	5	36.00
54812	1/4"	stainless steel	12.7	1	26.00
54813	1/4"	brass	12.7	5	36.00
54814	3/8"	stainless steel	14.2	1	26.00
54815	3/8"	brass	14.2	5	41.00
54816	1/2"	stainless steel	17.5	1	34.00
54817	1/2"	brass	17.5	5	64.00

THOMAFLUID®-Cap Nut for Pipe Screwed Fitting made of Brass or Stainless Steel

Product specification

- Cap nuts made of brass or stainless steel 1.4401 (SS 316, US standard)
- Cap nuts with NPT-internal thread for pipe screwed fittings dimensioned 1/16", 1/8", 1/4", 3/8" and 1/2".

Item	For pipes outside Ø inch	Material	Length mm	Unit piece	Price EURO
54830	1/16"	stainless steel	7.9	3	39.00
54831	1/16"	brass	7.9	1	on req.
54832	1/8"	stainless steel	11.9	3	39.00
54833	1/8"	brass	11.9	5	26.00
54834	1/4"	stainless steel	12.7	3	39.00
54835	1/4"	brass	12.7	5	26.00
54836	3/8"	stainless steel	14.2	3	39.00
54837	3/8"	brass	14.2	5	29.00
54838	1/2"	stainless steel	17.5	3	48.00
54839	1/2"	brass	17.5	5	41.00

THOMAFLUID®-Bite-Type Ring for Pipe Screwed Fitting made of Brass or Stainless Steel

Product specification

- Bite-type rings made of brass or stainless steel 1.4401 (SS 316, US standard)
- Replacement cutting rings for mounting into every pipe screwed fitting accommodating pipes dimensioned 1/16", 1/8", 1/4", 3/8", and 1/2".



Item	For pipes outside Ø inch	Material	Unit piece	Price EURO
54841	1/16"	stainless steel	1	16.00
54842	1/16"	brass	5	29.00
54845	1/8"	stainless steel	3	30.00

Item	For pipes outside Ø inch	Material	Unit piece	Price EURO
54846	1/8"	brass	5	29.00
54849	1/4"	stainless steel	3	30.00
54850	1/4"	brass	5	29.00
54853	3/8"	stainless steel	3	30.00
54854	3/8"	brass	5	29.00
54857	1/2"	stainless steel	3	36.00
54858	1/2"	brass	5	32.00

Quick-Release Coupling Systems for Pipes (4 - 12.7 mm)

THOMAFLUID®-Quick-Release Coupling System made of Stainless Steel

General product specification

- Universal quick-release and coupling system with standardized components according to continually optimized construction principle, to be mounted without tools; proven, corrosion-proof stainless steel design for pressure and suction piping made of the same material or plastics in inch and metrical dimensions, for conveyance of all kinds of liquid and gaseous media. High workmanship and problem-oriented choice of materials allow conveyance of corrosive liquids and gases as well as ultrapure media in wide temperature range without limitations. Alternatively available as piping connectors or standard screw-in fittings.
- The THOMAFLUID®-Quick-release pipe coupling and connecting system ELGEES 3800 is based on a vacuum- and pressure-resistant plug-in mechanism, which is uniform for all system constituents and varies only in diameter according to the required pipe connection. At any time, the plug-in mechanism can be released without using tools.
- The internally conical manufactured connecting part (1) of the respective system component contains a multiply slotted clamping collar (2) with an outwardly directed bead (3) sized in the outside diameter of the pipes (4) to be connected; the resilient, inwardly directed reeds (5) of the clamping collar have coronally grouped anchor hooks (6) at the lower end, a protecting disc (7) secures the O-ring (8) positioned in front of it and flush-mounted with the inner end of the connecting piece.
- For connecting, the pipe to be connected is inserted to stop into the connecting part via the clamping collar, the involved FPM-ring tightening the system. The mechanical support of the pipe is ensured by the clamping collar, the reeds of which are forced together in the connecting part so far that the pipe is held in place forced by the anchor hooks due to the conical construction when the system is exposed to tensile loading.
- Disconnecting is achieved immediately by pressing back the clamping collar into the connecting piece by hand on the outwardly directed bead. Thereby, the clamping collar reeds with the anchor hooks spring back into their initial position releasing the pipe which can be drawn out of the connection without resistance.
- For coupling, the connected pipes principally need no preparation other than a perpendicular and burr-free cut-off piece. To get this, use of the THOMACHROM®-plastic capillary cutter, item 61640, is recommended.

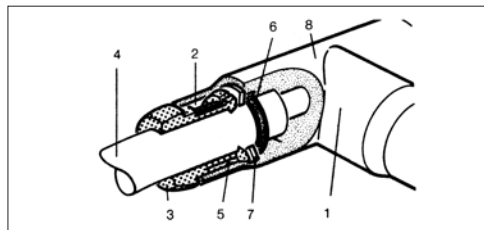
General technical specification• **Material:**

Housing: stainless steel AISI 316L

Collet chuck: stainless steel AISI 303

Support ring: stainless steel AISI 316L

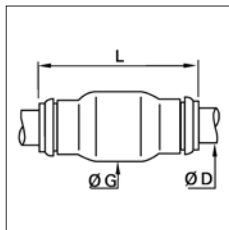
Sealing ring: FPM

• **Temperature range:** -20 to +120 °C• **Max. operating pressure:** 20 bar at +20 °C• **Vacuum capability:** 99 %

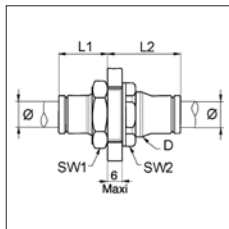
ELGEES pipe connection principle

THOMAFIUID®-Straight Quick-Release Connector made of Stainless Steel**Product specification**

- Straight, for metrically dimensioned pipes



Item	For pipes outside Ø mm	G mm	L mm	Unit piece	Price EURO
46112	4	10	30	1	23.00
46113	6	12	37	1	27.00
46114	8	15	38	1	29.00
46115	10	17	49	1	38.00
46116	12	19.5	49.5	1	64.00

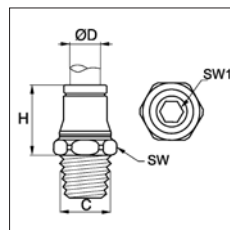
THOMAFIUID®-Straight Quick-Release Connector made of Stainless Steel - bulkhead**Product specification**

- Straight, for metrically dimensioned pipes, control panel mounting

Item	For pipes outside Ø mm	L1 mm	L2 mm	WAF1 (SW1) mm	WAF2 (SW2) mm	Unit piece	Price EURO
46122	4	15	18	13	14	1	30.00
46123	6	19	21	17	17	1	33.00
46124	8	20	22	19	19	1	35.00
46125	10	24	26	22	22	1	45.00
46126	12	25	26	24	24	1	93.00

THOMAFIUID®-Straight Quick-Release Connector made of Stainless Steel with Male Thread**Product specification**

- Straight, for metrically or inch dimensioned pipes, with inside hexagon and R-, G-, M- or NPT-external thread.



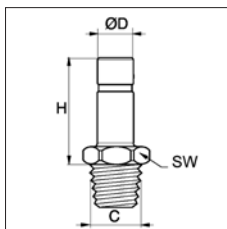
Item	NW mm/inch	External thread	WAF (SW) mm	WAF1 (SW1) mm	H mm	Unit piece	Price EURO
46152	4	R 1/8"	10	3	14.5	2	36.00
46153	4	R 1/4"	14	3	14.5	1	26.00
46154	6	R 1/8"	13	4	18	2	36.00
46155	6	R 1/4"	14	4	16.5	1	21.00
46156	8	R 1/8"	15	5	20.5	1	24.00
46157	8	R 1/4"	15	5	19	1	22.00
46158	8	R 3/8"	17	6	19	1	27.00
46159	10	R 1/4"	19	6	24	1	34.00
46160	10	R 3/8"	19	7	22.5	1	39.00
46161	12	R 1/4"	22	7	25	1	63.00
46162	12	R 3/8"	22	8	24	1	63.00
46163	12	R 1/2"	22	10	23	1	64.00
46164	4	NPT 1/8"	10	3	14.5	2	36.00
46185	4	M5 x 0.8	10	2.5	16	2	38.00
46186	4	G 1/8"	13	3	15	2	38.00
46165	6	NPT 1/8"	13	4	18	2	36.00
46166	6	NPT 1/4"	14	4	16.5	1	24.00
46167	8	NPT 1/8"	15	5	20.5	1	26.00
46168	8	NPT 1/4"	15	5	19	1	26.00
46169	10	NPT 1/4"	19	6	24	1	38.00
46170	10	NPT 3/8"	19	7	22.5	1	40.00
46171	12	NPT 1/4"	22	7	25	1	63.00
46172	12	NPT 3/8"	22	8	24	1	63.00
46173	12	NPT 1/2"	22	10	23	1	64.00
46174	3/16"	NPT 1/8"	13	3	14.5	1	21.00
46175	3/16"	NPT 1/4"	14	3	14.5	1	31.00
46176	1/4"	NPT 1/8"	13	4	18	1	31.00

Item	NW mm/inch	External thread	WAF (SW) mm	WAF1 (SW1) mm	H mm	Unit piece	Price EURO
46177	1/4"	NPT 1/4"	14	4	17	1	31.00
46178	5/16"	NPT 1/8"	15	4	19	1	31.00
46179	5/16"	NPT 1/4"	15	6	18	1	32.00
46180	3/8"	NPT 1/4"	19	6	23.5	1	43.00
46181	3/8"	NPT 3/8"	19	7	22	1	51.00
46182	1/2"	NPT 1/4"	22	7	25	1	59.00
46183	1/2"	NPT 3/8"	22	8	24	1	59.00
46184	1/2"	NPT 1/2"	22	10	23	1	63.00

THOMAFUID®-Straight Adapter made of Stainless Steel with Male Thread

Product specification

- Straight, R- or NPT-external thread, screw-in adapter for all metrically dimensioned THOMAFUID®-high-tech quick-release pipe couplings (straight, elbow or T-shaped pieces)



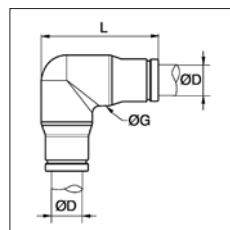
Item	Ø adapter mm	External thread	WAF (SW) mm	H mm	Unit piece	Price EURO
46187	4	R 1/8"	10	21	3	30.00
46188	6	R 1/8"	10	23	3	31.00
46189	6	R 1/4"	14	24	3	39.00
46190	8	R 1/8"	10	24	3	45.00
46191	8	R 1/4"	14	25	3	47.00
46192	10	R 1/4"	14	30	2	34.00
46193	10	R 3/8"	17	30	1	26.00
46194	12	R 1/4"	14	31	1	34.00
46195	12	R 3/8"	17	31	1	36.00
46196	12	R 1/2"	22	32	1	38.00
46197	4	NPT 1/8"	10	21	3	31.00
46207	4.8	NPT 1/8"	11	21	1	51.00
46198	6	NPT 1/8"	10	23	3	39.00
46199	6	NPT 1/4"	14	24	3	47.00
46208	6.4	NPT 1/8"	11	23	3	47.00
46209	6.4	NPT 1/4"	14	24	2	43.00
46210	7.9	NPT 1/8"	11	24	2	43.00
46211	7.9	NPT 1/4"	14	25	2	44.00
46200	8	NPT 1/8"	10	24	3	47.00
46201	8	NPT 1/4"	14	25	3	47.00
46212	9.5	NPT 1/4"	14	30	2	48.00
46213	9.5	NPT 3/8"	17	30	1	25.00
46202	10	NPT 1/4"	14	30	2	37.00
46203	10	NPT 3/8"	17	30	1	26.00
46204	12	NPT 1/4"	14	31	1	34.00

Item	Ø adapter mm	External thread	WAF (SW) mm	H mm	Unit piece	Price EURO
46205	12	NPT 3/8"	17	31	1	37.00
46206	12	NPT 1/2"	22	32	1	39.00
46214	12.7	NPT 1/4"	14	31	1	35.00
46215	12.7	NPT 3/8"	17	31	1	36.00
46216	12.7	NPT 1/2"	22	32	1	38.00

THOMAFUID®-Elbow Quick-Release Connector made of Stainless Steel

Product specification

- L-shape, for metrically and inch dimensioned pipes.

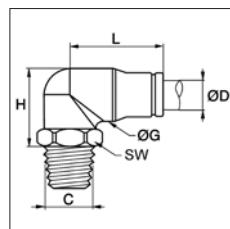


Item	NW mm/inch	G mm	L mm	Unit piece	Price EURO
46132	4	10	24	1	34.00
46133	6	12	30	1	37.00
46134	8	14.5	32	1	42.00
46135	10	17	39	1	52.00
46136	12	20	43	1	92.00
46137	3/16"	10	24	1	38.00
46138	1/4"	12	30	1	44.00
46139	5/16"	14.5	32	1	58.00
46140	3/8"	17	39	1	75.00
46141	1/2"	20	43	1	84.00

THOMAFUID®-Elbow Quick-Release Connector made of Stainless Steel with Male Thread - short

Product specification

- L-shape, R-external thread, swiveling screw-in adapter for metrically and inch dimensioned pipes, short model.

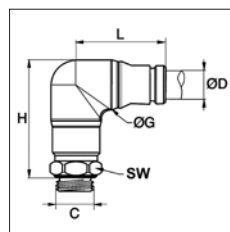
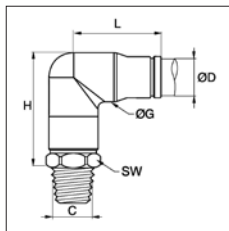


Item	NW mm/inch	External thread	WAF (SW) mm	H mm	L mm	Unit piece	Price EURO
46231	4	R 1/8"	13	18	19	1	43.00
46232	4	R 1/4"	14	18	19	1	54.00
46233	6	R 1/8"	13	20	24	1	54.00
46234	6	R 1/4"	14	20	23	1	54.00
46235	8	R 1/8"	13	24.5	32	1	55.00
46236	8	R 1/4"	14	23.5	24	1	58.00
46237	10	R 1/4"	17	27	31	1	76.00
46238	10	R 3/8"	19	26	31	1	90.00
46239	12	R 1/4"	22	31.5	33	1	92.00
46240	12	R 3/8"	22	32.5	33	1	92.00
46241	12	R 1/2"	22	27.5	33	1	97.00
46242	4	NPT 1/8"	13	18	19	1	47.00
46243	6	NPT 1/8"	13	20	24	1	52.00
46244	6	NPT 1/4"	14	20	23	1	54.00
46245	8	NPT 1/8"	13	24.5	32	1	57.00
46246	8	NPT 1/4"	14	23.5	24	1	57.00
46247	10	NPT 1/4"	17	27	31	1	72.00
46248	10	NPT 3/8"	19	26	31	1	75.00
46249	12	NPT 1/4"	22	31.5	33	1	90.00
46250	12	NPT 3/8"	22	32.5	33	1	92.00
46251	12	NPT 1/2"	22	27.5	33	1	97.00
46252	3/16"	NPT 1/8"	13	18	19.5	1	49.00
46253	3/16"	NPT 1/4"	14	18	19.5	1	53.00
46254	1/4"	NPT 1/8"	13	20	23	1	54.00
46255	1/4"	NPT 1/4"	14	20	23	1	55.00
46256	5/16"	NPT 1/8"	13	24.5	24.5	1	55.00
46257	5/16"	NPT 1/4"	14	23.5	24.5	1	62.00
46258	3/8"	NPT 1/4"	17	27.5	30	1	86.00
46259	3/8"	NPT 3/8"	19	27.5	30	1	90.00
46260	1/2"	NPT 1/4"	22	32	33	1	100.00
46261	1/2"	NPT 3/8"	22	32.5	33	1	100.00
46262	1/2"	NPT 1/2"	22	28	33	1	105.00

THOMAFUID®-Elbow Quick-Release Connector made of Stainless Steel with male Thread - long

Product specification

- L-shape, swiveling screw-in adapter for metrically dimensioned pipes with external thread R, NPT or M, long model.

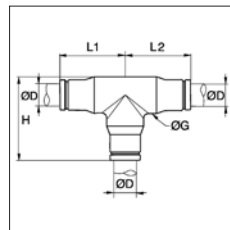


Item	For pipes outside Ø mm	External thread	H mm	L mm	Unit piece	Price EURO
46217	4	R 1/8"	25	19	1	41.00
46218	6	R 1/8"	30	24	1	44.00
46219	6	R 1/4"	30	24	1	44.00
46220	8	R 1/8"	34	25	1	49.00
46221	8	R 1/4"	34	25	1	49.00
46222	10	R 1/4"	39	31	1	62.00
46223	10	R 3/8"	39	31	1	75.00
46224	4	NPT 1/8"	25	19	1	46.00
46225	6	NPT 1/8"	30	24	1	50.00
46226	6	NPT 1/4"	30	24	1	50.00
46227	8	NPT 1/8"	34	25	1	56.00
46228	8	NPT 1/4"	34	25	1	56.00
46229	10	NPT 1/4"	39	31	1	70.00
46230	10	NPT 3/8"	39	31	1	78.00
46295	4	M5 x 0.8	27	19	1	36.00

THOMAFUID®-T-Shaped Quick-Release Connector made of Stainless Steel

Product specification

- T-shape, for metrically and inch dimensioned pipes.

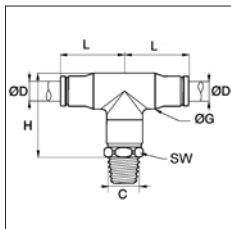


Item	NW mm/inch	H mm	L1 mm	L2 mm	Unit piece	Price EURO
46142	4	24	19	19	1	52.00
46143	6	30	24	24	1	55.00
46144	8	32	25	25	1	62.00
46145	10	39	31	31	1	76.00
46146	12	43	33	33	1	137.00
46147	3/16"	24	19	19	1	57.00
46148	1/4"	30	24	24	1	63.00
46149	5/16"	32	25	25	1	79.00
46150	3/8"	39	31	31	1	94.00
46151	1/2"	43	33	33	1	116.00

THOMAFUID®-T-Shaped Quick-Release Connector made of Stainless Steel with male Thread - symmetrical

Product specification

- Symmetrical T-shaped screw-in adapter with R-external thread for metrically dimensioned pipes, pipe connections swiveling

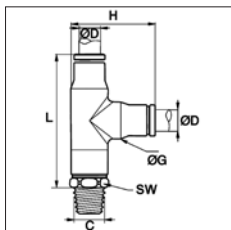


Item	For pipes outside Ø mm	External thread	H mm	L mm	Unit piece	Price EURO
46263	4	R 1/8"	25	19	1	53.00
46264	6	R 1/8"	30	24	1	60.00
46265	6	R 1/4"	30	24	1	60.00
46266	8	R 1/8"	34	25	1	70.00
46267	8	R 1/4"	34	25	1	70.00
46268	10	R 1/4"	39	31	1	93.00
46269	10	R 3/8"	39	31	1	93.00
46270	4	NPT 1/8"	25	19	1	60.00
46271	6	NPT 1/8"	30	24	1	62.00
46272	6	NPT 1/4"	30	24	1	62.00
46273	8	NPT 1/8"	34	25	1	67.00
46274	8	NPT 1/4"	34	25	1	67.00
46275	10	NPT 1/4"	39	31	1	92.00
46276	10	NPT 3/8"	39	31	1	92.00

THOMAFUID®-T-Shaped Quick-Release Connector made of Stainless Steel with male Thread - asymmetrical

Product specification

- T-shape, asymmetrical screw-in connector with R-external thread for metrically dimensioned pipes, pipe connections swiveling



Item	For pipes outside Ø mm	External thread	H mm	L mm	Unit piece	Price EURO
46277	4	R 1/8"	24.5	39	1	54.00
46278	6	R 1/8"	30	48	1	60.00
46279	6	R 1/4"	30	48	1	60.00
46280	8	R 1/8"	32	52	1	74.00
46281	8	R 1/4"	32	52	1	74.00
46282	10	R 1/4"	39	62	1	93.00
46283	10	R 3/8"	39	62	1	93.00
46284	4	NPT 1/8"	24.5	39	1	60.00
46285	6	NPT 1/8"	30	48	1	65.00
46286	6	NPT 1/4"	30	48	1	65.00
46287	8	NPT 1/8"	32	52	1	73.00
46288	8	NPT 1/4"	32	52	1	73.00
46289	10	NPT 1/4"	39	62	1	92.00
46290	10	NPT 3/8"	39	62	1	92.00

Threaded Adapter

THOMAFUID®-Adapters made of Brass, Nickel-Plated

Application area

- 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

THOMAFUID®-Elbow Screwed Fitting made of Brass, Nickel-Plated - internal thread

Product specification

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

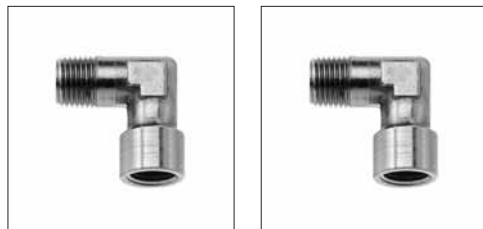


Item	Internal thread	WAF mm	Thread length mm	Unit piece	Price EURO
331121	G 1/8"	11	8	10	52.00
331122	G 1/4"	13	11	10	86.00
331123	G 3/8"	17	12	10	112.00
331124	G 1/2"	21	14	5	92.00

THOMAFUID®-Elbow Screwed Fitting made of Brass, Nickel-Plated - external/internal thread

Product specification

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

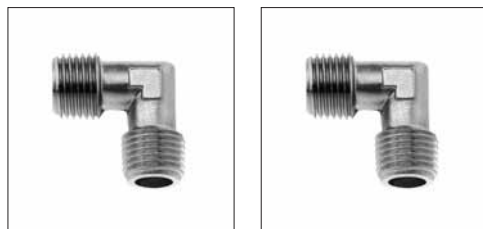


Item	External thread	Internal thread	WAF mm	Thread length mm	Unit piece	Price EURO
331113	R 1/8"	G 1/8"	11	8	10	46.00
331114	R 1/4"	G 1/4"	13	11	10	64.00
331115	R 3/8"	G 3/8"	17	12	10	92.00
331116	R 1/2"	G 1/2"	21	14	10	138.00

THOMAFUID®-Elbow Screwed Fitting made of Brass, Nickel-Plated - external thread

Product specification

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



Item	External thread	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

THOMAFUID®-Y-Shaped Screwed Fitting made of Brass, Nickel-Plated - internal/external thread

Product specification

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



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

THOMAFUID®-Y-Shaped Screwed Fitting made of Brass, Nickel-Plated - internal thread

Product specification

- Y-shape, G-internal thread (cylindrical) on all three sides

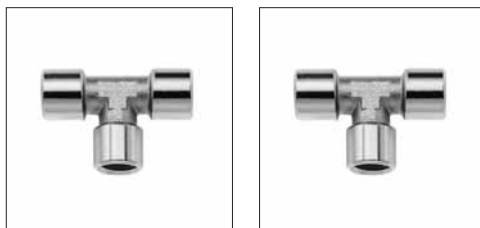


Item	Internal thread	WAF mm	Thread length mm	Unit piece	Price EURO
331129	G 1/8"	14	8	10	108.00
331130	G 1/4"	17	11	10	114.00
331131	G 3/8"	22	12	5	84.00
331132	G 1/2"	26	14	5	98.00

THOMAFUID®-T-Shaped Screwed Fitting made of Brass, Nickel-Plated - internal thread

Product specification

- T-shape, G-internal thread (cylindrical) on all three sides



Item	Internal thread	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

THOMAFUID®-T-Shaped Screwed Fitting made of Brass, Nickel-Plated - internal/external thread

Product specification

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



Item	Internal thread	External thread	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

THOMAFUID®-T-Shaped Screwed Fitting made of Brass, Nickel-Plated - external thread

Product specification

- T-shape, R-external thread (conical) on all three sides



Item	External thread	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

THOMAFUID®-Threaded Sleeve made of Brass, Nickel-Plated

Product specification

- Threaded sleeve, male G-thread (cylindrical) on both sides.

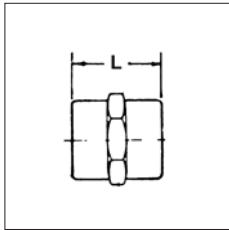


Item	Internal thread (A)	Thread length (A) mm	Internal thread (B)	Thread length (B) mm	h mm	Unit piece	Price EURO
331168	G 1/8"	8	G 1/8"	8	15	10	26.00
331172	G 1/8"	8	G 1/4"	11	19.6	10	40.00
331169	G 1/4"	11	G 1/4"	11	22	10	40.00
331173	G 1/4"	11	G 3/8"	12	23	10	62.00
331170	G 3/8"	12	G 3/8"	12	24	10	66.00
331171	G 1/2"	15	G 1/2"	15	30	10	92.00
331174	G 1/2"	15	G 3/4"	17	30	10	106.00

THOMAFUID®-Threaded Sleeve made of Stainless Steel

Product specification

- Threaded adapter made of stainless steel 1.4401 (SS 316, US standard)
- On both sides with equal resp. reduced, conical NPT-internal thread



Item	Internal thread (A)	Internal thread (B)	L mm	Unit piece	Price EURO
54875	NPT 1/8"	NPT 1/8"	19.1	1	27.00
54877	NPT 1/4"	NPT 1/8"	23.9	1	40.00
54879	NPT 1/4"	NPT 1/4"	28.7	1	40.00
54881	NPT 3/8"	NPT 1/4"	28.7	1	46.00
54883	NPT 3/8"	NPT 3/8"	28.7	1	52.00
54885	NPT 1/2"	NPT 1/4"	35.1	1	75.00
54887	NPT 1/2"	NPT 3/8"	38.1	1	77.00
54889	NPT 1/2"	NPT 1/2"	38.1	1	75.00

THOMAFUID®-Reducing Nipple made of Brass

Product specification

- Accessories: Reducing nipple, G-internal thread on one side, G-external thread on the other side



Item	Internal thread	External thread	h	WAF	Unit	Price
			mm	mm	piece	EURO
331095	G 1/8"	G 1/4"	13	17	10	32.00
331096	G 1/4"	G 3/8"	14	19	10	34.00
331097	G 1/4"	G 1/2"	15	24	10	46.00
331098	G 3/8"	G 1/2"	15	24	10	40.00
331099	G 1/2"	G 3/4"	21	32	5	76.00
331100	G 1/2"	G 1"	20	36	5	120.00

THOMAFUID®-Reducing Nipple made of Brass, Nickel-Plated

Product specification

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

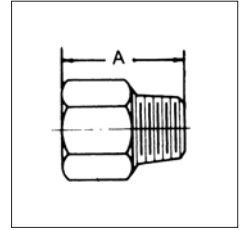


Item	Internal thread	Thread length (A)	External thread	Thread length (B)	Unit	Price
		mm		mm	piece	EURO
331175	G 1/8"	13	G 1/4"	8	10	28.00
331176	G 1/4"	14	G 3/8"	9	10	36.00
331177	G 3/8"	15.5	G 1/2"	10	10	52.00
331178	G 1/2"	17.5	G 3/4"	12	10	86.00

THOMAFUID®-Reducing Nipple made of Stainless Steel

Product specification

- Threaded adapter made of stainless steel 1.4401 (SS 316, US standard)
- Fitted on one side with conical NPT-external thread and on the other side with conical, reduced NPT-internal thread.



Item	Internal thread	External thread	L	Unit	Price
			mm	piece	EURO
54862	NPT 1/4"	NPT 1/8"	31.1	1	34.00
54866	NPT 1/2"	NPT 1/4"	36.6	1	49.00
54868	NPT 1/2"	NPT 1/8"	38.1	1	77.00
54870	NPT 1/2"	NPT 1/4"	43.1	1	64.00
54872	NPT 1/2"	NPT 3/8"	43.1	1	64.00
54892	NPT 1/8"	NPT 1/4"	21.3	1	21.00
54894	NPT 1/8"	NPT 3/8"	21.3	1	23.00
54896	NPT 1/4"	NPT 3/8"	21.3	1	29.00
54898	NPT 1/8"	NPT 1/2"	27.7	1	41.00
54900	NPT 1/4"	NPT 1/2"	27.7	1	44.00
54902	NPT 3/8"	NPT 1/2"	27.7	1	44.00
54904	NPT 1/4"	NPT 3/4"	29.7	1	49.00
54906	NPT 3/8"	NPT 3/4"	29.7	1	49.00
54908	NPT 1/2"	NPT 3/4"	29.7	1	59.00
54910	NPT 1/2"	NPT 1"	35.5	1	85.00

THOMAFUID®-Double Nipple made of Brass

Product specification

- Double nipple, fitted with male G-thread (cylindrical) and internal cone (37°) on both sides.



Item	External thread (A)	Thread length (A)	External thread (B)	Thread length (B)	Unit	Price
		mm		mm	piece	EURO
331087	G 1/8"	7	G 1/8"	7	10	34.00
331088	G 1/8"	7	G 1/4"	9	10	42.00
331089	G 1/4"	9	G 1/4"	9	10	42.00
331090	G 1/4"	9	G 3/8"	10	10	50.00
331091	G 1/4"	9	G 1/2"	12.5	10	84.00
331092	G 3/8"	10	G 3/8"	10	10	50.00
331093	G 3/8"	10	G 1/2"	12.5	10	74.00
331094	G 1/2"	12.5	G 1/2"	12.5	10	78.00

THOMAFUID®-Double Nipple made of Brass, Nickel-Plated

Product specification

- Double nipple, G-external thread (cylindrical) or R-external thread (conical).



Item	External thread (A)	Thread length (A) mm	External thread (B)	Thread length (B) mm	Unit piece	Price EURO
331145	G 1/8"	6	G 1/8"	6	10	26.00
331150	G 1/8"	6	G 1/4"	8	10	30.00
331151	G 1/8"	6	G 3/8"	9	10	36.00
331152	G 1/8"	6	G 1/2"	10	10	70.00
331146	G 1/4"	8	G 1/4"	8	10	30.00
331153	G 1/4"	8	G 3/8"	9	10	38.00
331154	G 1/4"	8	G 1/2"	10	10	60.00
331147	G 3/8"	9	G 3/8"	9	10	42.00
331155	G 3/8"	9	G 1/2"	10	10	62.00
331148	G 1/2"	10	G 1/2"	10	10	64.00
331156	G 1/2"	10	G 3/4"	11	5	66.00
331149	G 3/4"	11	G 3/4"	11	10	98.00
331157	R 1/8"	7.6	R 1/8"	7.6	10	26.00
331162	R 1/8"	7.6	R 1/4"	11	10	34.00
331163	R 1/8"	7.6	R 3/8"	11.6	10	38.00
331158	R 1/4"	11	R 1/4"	11	10	30.00
331164	R 1/4"	11	R 3/8"	11.6	10	40.00
331165	R 1/4"	11	R 1/2"	14	10	60.00
331159	R 3/8"	11.6	R 3/8"	11.6	10	42.00
331166	R 3/8"	11.6	R 1/2"	14	10	62.00
331160	R 1/2"	14	R 1/2"	14	10	64.00
331167	R 1/2"	14	R 3/4"	16.6	5	68.00
331161	R 3/4"	16.5	R 3/4"	16.5	10	98.00

THOMAFUID®-Screw Cap made of Brass, Nickel-Plated

Product specification

- Screw caps with G-internal thread (cylindrical)

Item	Internal thread	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

THOMAFUID®-Locking Screw made of Brass, Nickel-Plated

Product specification

- Screw caps with G-external thread (cylindrical)

Item	External thread	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

Tubing Squeeze Connections for Pneumatics

THOMAFUID®-Tubing Squeeze Connections made of Brass or Steel for Pneumatics

Application area

- For adaption to rigid tubing such as PUR, PA, PE as well as PTFE
- 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°), parts 331016.
- 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

THOMAFUID®-Screw-in Tubing Squeeze Connection with male R-thread

Product specification

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



swivelling



rigid

Material: brass

Item	NW	External thread	Nominal width	Design	Unit	Price
	mm		mm		piece	EURO
330969	4/6	R 1/4"	3	swivelling	5	68.00
330970	5/8	R 1/4"	4.5	swivelling	5	70.00
330971	6.5/10	R 1/4"	5.5	swivelling	5	75.00
330972	8/12	R 1/4"	7	swivelling	5	80.00
330973	8/12	R 3/8"	7	swivelling	5	82.00
330974	9/13	R 3/8"	8	swivelling	5	95.00
330983	4/6	R 1/4"	3	rigid	5	48.00
330984	5/8	R 1/4"	4.5	rigid	5	50.00
330985	6.5/10	R 1/4"	5.5	rigid	5	54.00
330986	8/12	R 1/4"	7	rigid	5	58.00
330987	8/12	R 3/8"	7	rigid	5	58.00
330988	9/13	R 3/8"	8	rigid	5	70.00

Material: steel

Item	NW	External thread	Nominal width	Design	Unit	Price
	mm		mm		piece	EURO
330975	11/16	R 1/2"	10	swivelling	3	105.00
331058	11/16	R 1/2"	10	rigid	3	66.00
330989	13/19	R 1/2"	12	rigid	3	94.00
330990	13/19	R 3/4"	12	rigid	3	94.00

THOMAFUID®-Screw-on Tubing Squeeze Connection with female G-thread

Product specification

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



swivelling



rigid

Material: brass

Item	NW	Internal thread	Nominal width	Design	Unit	Price
	mm		mm		piece	EURO
330976	4/6	G 1/4"	3	swivelling	5	68.00
330977	5/8	G 1/4"	4.5	swivelling	5	70.00
330978	6.5/10	G 1/4"	5.5	swivelling	5	75.00
330979	8/12	G 1/4"	7	swivelling	5	80.00
330980	8/12	G 3/8"	7	swivelling	5	82.00
330981	9/13	G 3/8"	8	swivelling	5	95.00
330991	4/6	G 1/4"	3	rigid	5	48.00
330992	5/8	G 1/4"	4.5	rigid	5	50.00
330993	6.5/10	G 1/4"	5.5	rigid	5	54.00
330994	8/12	G 1/4"	7	rigid	5	58.00
330995	8/12	G 3/8"	7	rigid	5	58.00
330996	9/13	G 3/8"	8	rigid	5	70.00

Material: steel

Item	NW	Internal thread	Nominal width	Design	Unit	Price
	mm		mm		piece	EURO
330982	11/16	G 1/2"	10	swivelling	3	105.00
330997	11/16	G 1/2"	10	rigid	3	66.00

THOMAFUID®-Tubing Squeeze Quick-Release Coupling - female part



330998



331003

Product specification

- One-hand handling quick-release coupling (female part).
- Complete with plastic antikink and antiscratch device.

Item	NW	Nominal width	Material	Design	Unit	Price
	mm	mm			piece	EURO
330998	4/6	5	brass	swivelling	5	76.00
330999	5/8	7.2	brass	swivelling	5	78.00
331000	6.5/10	7.2	brass	swivelling	5	86.00
331001	8/12	7.2	brass	swivelling	5	88.00
331002	9/13	7.2	brass	swivelling	5	108.00
331003	4/6	5	brass	rigid	5	70.00
331004	5/8	7.2	brass	rigid	5	72.00
331207	6.5/10	7.2	brass	rigid	5	74.00
331208	8/12	7.2	brass	rigid	5	76.00
331005	9/13	7.2	brass	rigid	5	88.00

THOMAFUID®-Tubing Squeeze Coupling Nipple - male part

Product specification

- One-hand handling coupling nipple (male part).
- Complete with plastic antikink and antiscratch device.



331006



331011

Item	NW	Nominal width	Material	Design	Unit	Price
	mm	mm			piece	EURO
331006	4/6	5	steel	swivelling	5	56.00
331007	5/8	7.2	steel	swivelling	5	58.00
331008	6.5/10	7.2	steel	swivelling	5	64.00
331009	8/12	7.2	steel	swivelling	5	68.00
331010	9/13	7.2	steel	swivelling	5	88.00
331011	4/6	5	brass	rigid	5	48.00
331012	5/8	7.2	brass	rigid	5	52.00
331013	6.5/10	7.2	brass	rigid	5	56.00
331014	8/12	7.2	brass	rigid	5	58.00
331015	9/13	7.2	brass	rigid	5	70.00

Industrial Tubing Connections (9 - 100 mm)

THOMAFUID®-Screwed Fitting with Male Thread made of Brass or Stainless Steel for Industrial Tubing

Product specification

- The male tubing screwed fittings have reusable grip jaws made of compression moulded aluminium. The screws and nuts are zinc-plated and chromated.
- The tubing connections with external thread are made of compression moulded brass or V4A (1.4571). Nominal pressure up to 25 bar.

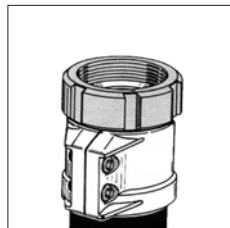


Item	For tubing inside Ø mm	For tubing outside Ø mm	External thread	Material	Unit	Price
					piece	EURO
83228	25	36 - 39	R 1"	brass	1	39.00
83229	38	50 - 53	R 1 1/2"	brass	1	49.00
83230	50	63 - 67	R 2"	brass	1	62.00
83231	63	78 - 82	R 2 1/2"	brass	1	85.00
83232	75	88 - 93	R 3"	brass	1	85.00
83233	80	94 - 97	R 3"	brass	1	116.00
83234	100	114 - 119	R 4"	brass	1	192.00
83235	25	36 - 39	R 1"	stainless steel	1	95.00
83236	50	63 - 67	R 2"	stainless steel	1	126.00
83237	75	88 - 93	R 3"	stainless steel	1	187.00
83238	100	114 - 119	R 4"	stainless steel	1	450.00

THOMAFUID®-Screwed Fitting with Female Thread made of Brass or Stainless Steel for Industrial Tubing

Product specification

- The female tubing screwed fittings have reusable grip jaws made of compression moulded aluminium. The screws and nuts are zinc-plated and chromated.
- The tubing connections and the locking nuts are made of compression moulded brass or V4A (1.4571). The flange gasket consists of rigid polyurethane. Nominal pressure up to 25 bar.



Item	For tubing inside Ø mm	For tubing outside Ø mm	Internal thread	Material	Unit	Price
					piece	EURO
83217	25	36 - 39	R 1"	brass	1	34.00
83225	25	36 - 39	R 1"	stainless steel	1	95.00
83218	35	46 - 48	R 1 1/2"	brass	1	68.00
83219	35	46 - 48	R 2"	brass	1	74.00
83220	38	50 - 53	R 1 1/2"	brass	1	74.00
83221	45	58 - 61	R 2"	brass	1	82.00
83222	50	63 - 67	R 2"	brass	1	74.00
83226	50	63 - 67	R 2"	stainless steel	1	177.00
83223	63	78 - 82	R 2 1/2"	brass	1	85.00
83224	75	88 - 93	R 3"	brass	1	103.00
83227	75	88 - 93	R 3"	stainless steel	1	356.00

THOMAFUID®-Industrial Threaded Tubing Connectors for Clamp Attachment

Application area

- Connecting couplings (threaded tubing connectors) for conveyance of aggressive media in chemical as well as petrochemical industry, food processing industry, pharmaceutical and medical engineering as well as shipbuilding and agriculture.

General product specification

- Tubing connectors with external thread (male part)
- Tubing connectors with internal thread (female part)
- Smooth tubing connector with retaining collar for clamp attachment
- Internal thread flat sealing with thread seal made of PTFE
- For direct connection or screwing on of camlock couplings, tank truck couplings etc.
- High resistance to acids
- Robust design
- Excellent mechanical properties
- Remarkable working life

General technical specification

- **Thread seal:** PTFE
- **Max. operating pressure:** 10 bar (PN)
- **Temperature range:** -40 to +95 °C
- **Thread:** according to ISO 228
- **Manufacturing standard:** according to DIN 2817

THOMAFUID®-Industrial Threaded Tubing Connector made of Stainless Steel with External Thread for Clamp Attachment

Technical specification

- **Material:** stainless steel 1.4401, electropolished
- **Material composition:** carbon <0.08 %; manganese <1.5 %; silicon <1.5 %; nickel 9 - 12 %; sulfur <0.04 %; chromium 18 - 21 %; phosphor <0.04 %; molybdenum 2 - 3 %.



Item	For tubing inside Ø mm	For tubing outside Ø mm	External thread	Fitting grip jaws	Unit piece	Price EURO
330463	19	30 - 33	G 3/4"	330483	2	48.00
330464	25	36 - 39	G 1"	330484	2	48.00
330465	32	43 - 46	G 1 1/4"	330485	2	56.00
330466	38	50 - 53	G 1 1/2"	330486	2	74.00
330467	50	63 - 67	G 2"	330487	1	48.00
330468	63	78 - 82	G 2 1/2"	330488	1	74.00
330469	75	86 - 93	G 3"	330489	1	84.00

THOMAFUID®-Industrial Threaded Tubing Connector made of Stainless Steel with Internal Thread for Clamp Attachment

Technical specification

- **Material:** stainless steel 1.4401, electropolished
- **Material composition:** carbon <0.08 %; manganese <1.5 %; silicon <1.5 %; nickel 9 - 12 %; sulfur <0.04 %; chromium 18 - 21 %; phosphor <0.04 %; molybdenum 2 - 3 %.



Item	For tubing inside Ø mm	For tubing outside Ø mm	Internal thread	Fitting grip jaws	Unit piece	Price EURO
330470	19	30 - 33	G 3/4"	330483	2	60.00
330471	25	36 - 39	G 1"	330484	2	72.00
330472	32	43 - 46	G 1 1/4"	330485	2	86.00
330473	38	50 - 53	G 1 1/2"	330486	2	112.00
330474	50	63 - 67	G 2"	330487	1	70.00
330475	63	78 - 82	G 2 1/2"	330488	1	98.00
330476	75	86 - 93	G 3"	330489	1	122.00

THOMAFUID®-Industrial Threaded Tubing Connector made of Brass with External Thread for Clamp Attachment

Technical specification

- **Material:** brass MS 58
- **Material composition:** material 2.0401 (CuZn 39 Pb 3)



Item	For tubing inside Ø mm	For tubing outside Ø mm	External thread	Fitting grip jaws	Unit piece	Price EURO
330478	19	30 - 33	G 3/4"	330483	5	58.00
330479	25	36 - 39	G 1"	330484	5	78.00
330480	32	43 - 46	G 1 1/4"	330485	4	86.00
330481	38	50 - 53	G 1 1/2"	330486	3	90.00
330482	50	63 - 67	G 2"	330487	2	86.00

THOMAFUID®-Forged Safety Clamp made of Aluminium for Thread Hose Stems

Product specification

- Robust safety clamps of high quality forged aluminium.
- Safe and easily removable hose assembly of forged safety clamps and hose fittings.
- Hose stem wetted with lubricant is pressed into straight-cut hose.
- Clamp halves are put in retaining collar around the hose and clamped with care in a vice.
- Socket head cap screws are tightened regularly (rightly dimensioned hoses keep a small slit between clamp halves).



Item	For tubing inside Ø mm	For tubing outside Ø mm	Nominal width mm	Screws	Unit piece	Price EURO
330483	19	30 - 33	20	M6x20	2	40.00
330484	25	36 - 39	25	M6x20	2	42.00
330485	32	43 - 46	32	M6x20	2	44.00
330486	38	50 - 53	40	M6x20	2	46.00
330487	50	63 - 67	50	M8x25	2	56.00
330488	63	78 - 82	65	M8x25	2	76.00
330489	75	86 - 93	80	M8x25	2	84.00

THOMAFUID®-Industrial Tubing Nozzle Connectors made of Steel

General product specification

- Tubing connectors with or without 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
- **Material composition:** 9 S Mn Pb 28 (machining steel)
- **Colour:** yellow passivated
- **Max. operating pressure:** 10 bar (PN)
- **Manufacturing standard:** DIN 20038

THOMAFUID®-Industrial Tubing Nozzle Connector made of Steel

Item	For tubing inside Ø mm	Nominal width mm	Length mm	Unit piece	Price EURO
330387	10	8	75	5	26.00
330388	10	8	75	10	46.00

Item	For tubing inside Ø mm	Nominal width mm	Length mm	Unit piece	Price EURO
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
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

THOMAFUID®-Industrial Tubing Nozzle Connector made of Steel with Safety Collar



Item	For tubing inside Ø mm	Nominal width 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
330414	32	27	175	10	122.00

Item	For tubing inside Ø mm	Nominal width mm	Length mm	Unit piece	Price EURO
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

THOMAFIUID®-Industrial Threaded Nozzles made of Steel

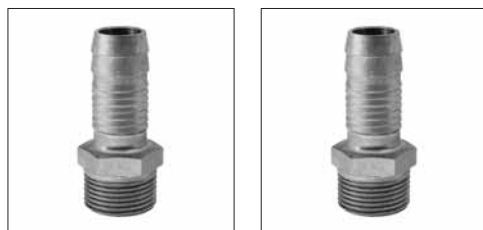
General product specification

- External threaded nozzles with or without 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
- **Material composition:** 9 S Mn Pb 28 (machining steel)
- **Colour:** yellow passivated
- **Max. operating pressure:** 25 bar
- **Thread:** according to ISO 228

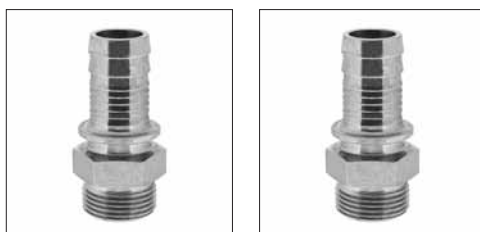
THOMAFIUID®-Industrial External Threaded Nozzle made of Steel



Item	For tubing inside Ø mm	Nominal width mm	External thread	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
330347	15	12	G 1/2"	60	5	41.00
330348	15	12	G 1/2"	60	10	69.00

Item	For tubing inside Ø mm	Nominal width mm	External thread	Length mm	Unit piece	Price EURO
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

THOMAFIUID®-Industrial External Threaded Nozzle made of Steel with Safety Collar



Item	For tubing inside Ø mm	Nominal width mm	External thread	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
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

THOMAFLUID®-Industrial Internal Threaded Nozzle made of Steel with Safety Collar



Item	For tubing inside Ø mm	Nominal width mm	Internal thread	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

THOMAFLUID®-Industrial Hose Clamp made of Malleable Iron - DIN 20039A/B

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
- **Design:**
DIN 20039A: two parts with loose saddle
DIN 20039B: two parts with loose saddle and safety claws
- **Max. operating pressure:**
DIN 20039A: 16 bar at +20 °C
DIN 20039B: 25 bar at +20 °C

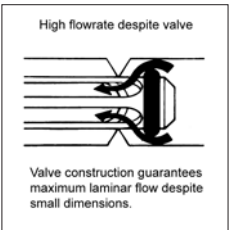


Item	For tubing inside Ø mm	For tubing outside Ø mm	Design	Unit piece	Price EURO
330425	13	22 - 29	DIN 20039A	5	28.00
330426	13	22 - 29	DIN 20039A	10	48.00
330427	19	28 - 34	DIN 20039A	5	32.00
330428	19	28 - 34	DIN 20039A	10	54.00
330429	25	32 - 40	DIN 20039A	5	38.00
330430	25	32 - 40	DIN 20039A	10	64.00
330431	32	39 - 49	DIN 20039A	5	50.00
330432	32	39 - 49	DIN 20039A	10	84.00
330433	38	48 - 60	DIN 20039A	5	58.00
330434	38	48 - 60	DIN 20039A	10	98.00
330435	50	56 - 72	DIN 20039A	5	64.00
330436	50	56 - 72	DIN 20039A	10	106.00
330437	63	77 - 94	DIN 20039A	3	68.00
330438	63	77 - 94	DIN 20039A	5	94.00
330439	75	89 - 101	DIN 20039A	3	84.00
330440	75	89 - 101	DIN 20039A	5	118.00
330441	75	94 - 115	DIN 20039A	3	84.00
330442	75	94 - 115	DIN 20039A	5	118.00
330443	39	113 - 127	DIN 20039A	1	36.00
330444	39	113 - 127	DIN 20039A	3	90.00
330445	39	115 - 145	DIN 20039A	1	42.00
330446	89	115 - 145	DIN 20039A	3	102.00
330447	13	22 - 29	DIN 20039B	5	40.00
330448	13	22 - 29	DIN 20039B	10	70.00
330449	19	28 - 32	DIN 20039B	5	42.00
330450	19	28 - 32	DIN 20039B	10	74.00
330451	25	35 - 42	DIN 20039B	5	54.00
330452	25	35 - 42	DIN 20039B	10	92.00
330453	28	42 - 45	DIN 20039B	5	66.00
330454	28	42 - 45	DIN 20039B	10	114.00
330455	35	45 - 53	DIN 20039B	5	78.00
330456	35	45 - 53	DIN 20039B	10	132.00
330457	42	55 - 60	DIN 20039B	3	58.00
330458	42	55 - 60	DIN 20039B	5	84.00
330459	50	60 - 73	DIN 20039B	3	64.00
330460	50	60 - 73	DIN 20039B	5	90.00
330461	75	86 - 102	DIN 20039B	1	38.00
330462	75	86 - 102	DIN 20039B	3	94.00

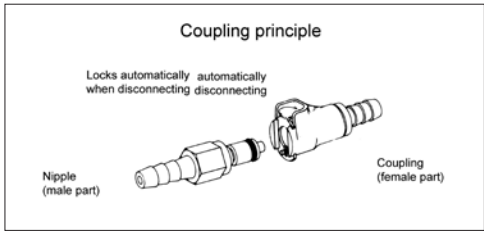
Two-Part Connectors - Metals



metal-two-part



Valve



Metal coupling parts

THOMAFIUID®-Two-Part Connectors made of Metal

- 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.

Mini Quick-Disconnect Couplings

THOMAFIUID®-Mini Quick-Disconnect Couplings

Application area

- Quickly and without tools disconnectable plug coupling parts 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 stainless steel, consisting of matching coupling pieces with shut-off function at release of the joint and straight-way nipples; 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:** stainless steel 1.4310
- Temperature range:** -20 to +100 °C
- Max. operating pressure:** 35 bar
- Vacuum strength:** rough vacuum

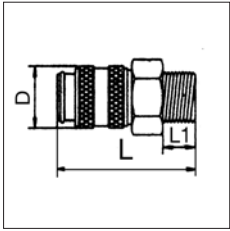
THOMAFIUID®-Mini Quick-Disconnect Coupling, NW 1.8 mm - shutting-off on one side

Product specification

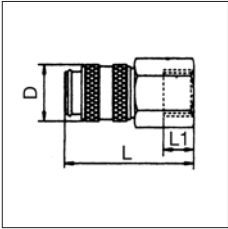
- Female coupling part. With shut-off and hose nozzle; external or internal thread for piping connection. Available with surfaces made of brass, nickel or chromium. Can be combined with all male coupling parts of nominal width 1.8 mm locking on one side.



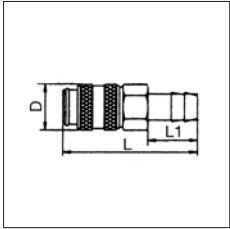
43890, 43951, 43963



43890, 43951, 43963



43891, 43952



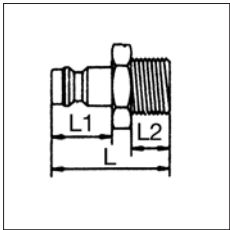
43892, 43953, 43965

Item	Connection type	Material	Length	Unit	Price
			mm	piece	
43890	ext. thread M3	brass	19	2	25.00
43891	int. thread M3	brass	19	2	25.00
43892	nozzle 2 mm	brass	21	2	28.00
43893	nozzle 3 mm	brass	22	2	28.00
43951	ext. thread M3	brass nickel-plated	19	2	27.00
43952	int. thread M3	brass nickel-plated	19	2	27.00
43953	nozzle 2 mm	brass nickel-plated	21	2	29.00
43954	nozzle 3 mm	brass nickel-plated	22	2	29.00
43963	ext. thread M3	brass chromium-plated	19	2	28.00
43965	nozzle 2 mm	brass chromium-plated	21	2	29.00
43966	nozzle 3 mm	brass chromium-plated	22	2	29.00

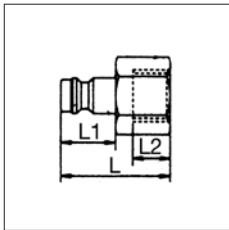
THOMAFIUID®-Mini Quick-Disconnect Nipple, NW 1.8 mm - shutting-off on one side

Product specification

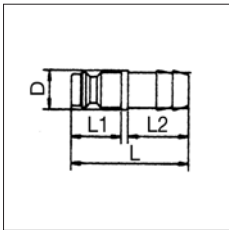
- Male coupling part. With port and hose nozzle; external or internal thread for piping connection. Available with surfaces made of brass, nickel or chromium. Can be combined with all female coupling parts of nominal width 1.8 mm locking on one side.



43896, 43957, 43969



43897, 43958



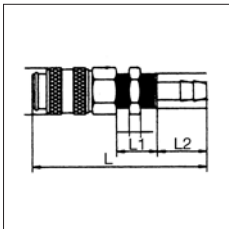
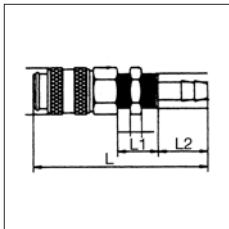
43898, 43959, 43971

Item	Connection type	Material	Length	Unit	Price
			mm	piece	
43896	ext. thread M3	brass	11	2	12.00
43897	int. thread M3	brass	10	2	12.00
43898	nozzle 2 mm	brass	12	2	12.00
43899	nozzle 3 mm	brass	13	2	12.00
43957	ext. thread M3	brass nickel-plated	11	2	14.00
43958	int. thread M3	brass nickel-plated	10	2	14.00
43959	nozzle 2 mm	brass nickel-plated	12	2	14.00
43960	nozzle 3 mm	brass nickel-plated	13	2	14.00
43969	ext. thread M3	brass chromium-plated	11	2	15.00
43971	nozzle 2 mm	brass chromium-plated	12	2	15.00
43972	nozzle 3 mm	brass chromium-plated	13	2	15.00

THOMAFIUID®-Mini Quick-Disconnect Coupling, 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. Can be combined with all male coupling parts of nominal width 1.8 mm locking on one side.

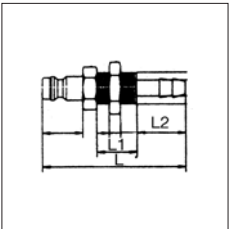
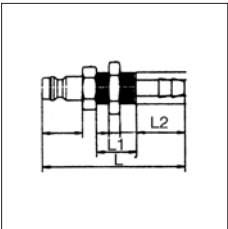


Item	Connection type	Control panel bore mm	Material	Length	Unit	Price
				mm	piece	
43894	nozzle 2 mm	5	brass	29	2	42.00
43895	nozzle 3 mm	5	brass	30	2	42.00
43955	nozzle 2 mm	5	brass nickel-plated	29	2	44.00
43956	nozzle 3 mm	5	brass nickel-plated	30	2	44.00

THOMAFIUID®-Mini Quick-Disconnect Nipple, 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. Can be combined with all female coupling parts of nominal width 1.8 mm locking on one side.



Item	Connection type	Control panel bore mm	Material	Length	Unit	Price
				mm	piece	
43900	nozzle 2 mm	5	brass	22	2	17.00
43901	nozzle 3 mm	5	brass	23	2	17.00
43961	nozzle 2 mm	5	brass nickel-plated	22	2	19.00
43962	nozzle 3 mm	5	brass nickel-plated	23	2	19.00
43973	nozzle 2 mm	5	brass chromium-plated	22	2	20.00

Macro Quick-Disconnect Couplings made of Nickel-Plated Brass

THOMAFIUID®-Quick-Disconnect Couplings made of Nickel-Plated Brass

General product specification

- THOMAFIUID®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.
- The coupling systems are available in two designs:
 - Single shut-off: All coupling parts are available with valve for shut-off, all plug parts are delivered without valve.
 - Double shut-off: All coupling parts and all plug parts are available with valve for shut-off.(Coupling elements of one type cannot be combined with elements of the other type)

General technical specification

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

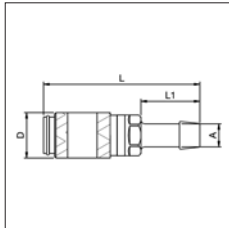
THOMAFUID®-Quick-Disconnect Coupling
made of Nickel-Plated Brass, NW 2.7 mm -
shutting-off on one side

Product specification

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



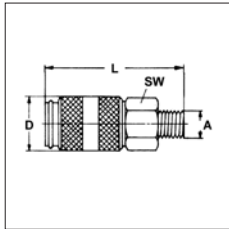
51049, 51050



51049, 51050



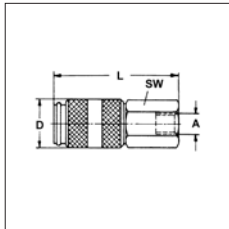
51009, 51010



51009, 51010



51027, 51028



51027, 51028

Item	Connection type	Length	L1	D	Unit	Price
		mm	mm	mm	piece	EURO
51049	nozzle 3 mm	35	13	10	1	10.00
51050	nozzle 4 mm	35	13	10	1	10.00
51009	ext. thread M5	26	5	10	1	17.00

Item	Connection type	Length	L1	D	Unit	Price
		mm	mm	mm	piece	EURO
51010	ext. thread R 1/8"	28	7	10	1	18.00
51027	int. thread M5	26	5	10	1	10.00
51028	int. thread R 1/8"	28	7	10	1	10.00

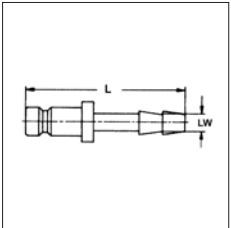
THOMAFUID®-Quick-Disconnect Nipple
made of Nickel-Plated Brass, NW 2.7 mm -
shutting-off on one side

Product specification

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



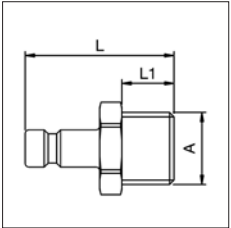
51135, 51136



51135, 51136



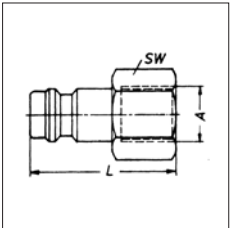
51158, 51159



51158, 51159



51178, 51179



51178, 51179

Item	Connection type	Length	L1	WAF (SW)	Unit	Price
		mm	mm	mm	piece	EURO
51135	nozzle 3 mm	24	13		1	4.00
51136	nozzle 4 mm	24	13		1	4.00
51158	ext. thread M5	18	5	7	1	6.00
51159	ext. thread R 1/8"	20	7	11	1	6.00
51178	int. thread M5	17	5	7	1	5.00
51179	int. thread R 1/8"	19	7	12	1	5.00

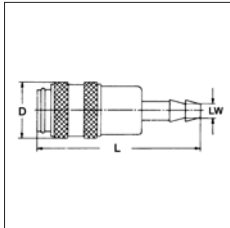
THOMAFIUID®-Quick-Disconnect Coupling
made of Nickel-Plated Brass, NW 5 mm -
shutting-off on one side

Product specification

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



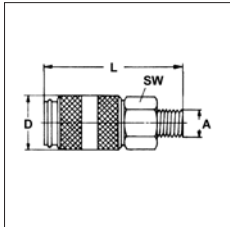
51051



51051



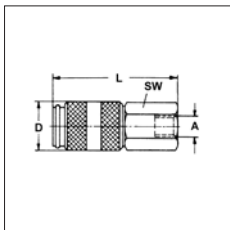
51011



51011



51029



51029

Item	Connection type	Length mm	Unit piece	Price EURO
51051	nozzle 4 mm	46	1	18.00
51052	nozzle 6 mm	46	1	18.00
51053	nozzle 8 mm	46	1	11.00
51054	nozzle 9 mm	46	1	11.00
51055	nozzle 10 mm	46	1	11.00
51011	ext. thread R 1/8"	36	1	10.00
51012	ext. thread R 1/4"	38	1	10.00
51013	ext. thread R 3/8"	38	1	10.00
51029	int. thread R 1/8"	36	1	10.00
51030	int. thread R 1/4"	38	1	10.00
51031	int. thread R 3/8"	38	1	10.00

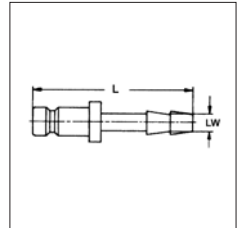
THOMAFIUID®-Quick-Disconnect Nipple
made of Nickel-Plated Brass, NW 5 mm -
shutting-off on one side

Product specification

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



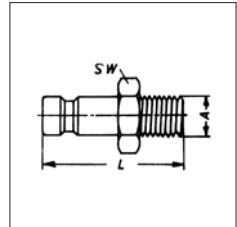
51137



51137



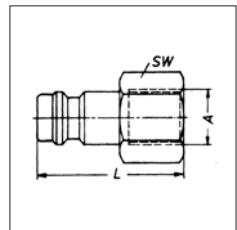
51160



51160



51180



51180

Item	Connection type	Length mm	Unit piece	Price EURO
51137	nozzle 4 mm	50	1	4.00
51138	nozzle 6 mm	50	1	4.00
51139	nozzle 8 mm	50	1	5.00
51140	nozzle 9 mm	50	1	5.00
51141	nozzle 10 mm	50	1	5.00
51160	ext. thread R 1/8"	25	1	8.00
51161	ext. thread R 1/4"	27	1	8.00
51162	ext. thread R 3/8"	27	1	8.00
51180	int. thread R 1/8"	24	1	7.00
51181	int. thread R 1/4"	26	1	7.00
51182	int. thread R 3/8"	26	1	7.00

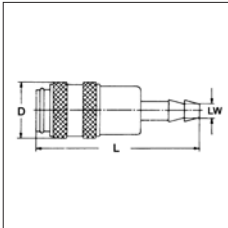
THOMAFLUID®-Quick-Disconnect Coupling
made of Nickel-Plated Brass, NW 7.4 mm -
shutting-off on one side

Product specification

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



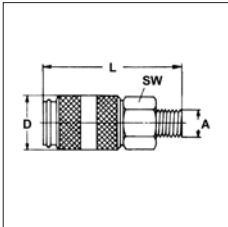
51056



51056



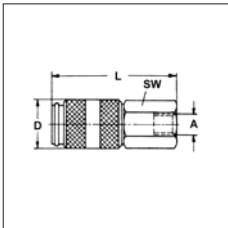
51014



51014



51032



51032

Item	Connection type	Length mm	Unit piece	Price EURO
51056	nozzle 6 mm	73	1	28.00
51057	nozzle 8 mm	73	1	28.00
51058	nozzle 9 mm	73	1	28.00
51059	nozzle 10 mm	73	1	28.00
51060	nozzle 13 mm	73	1	28.00
51014	ext. thread R 1/4"	60	1	28.00
51015	ext. thread R 3/8"	60	1	28.00
51016	ext. thread R 1/2"	65	1	30.00
51032	int. thread R 1/4"	56	1	28.00
51033	int. thread R 3/8"	56	1	19.00
51034	int. thread R 1/2"	58	1	30.00

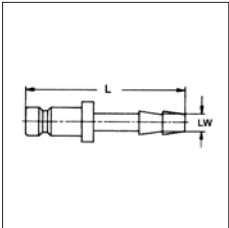
THOMAFLUID®-Quick-Disconnect Nipple
made of Nickel-Plated Brass, NW 7.4 mm -
shutting-off on one side

Product specification

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



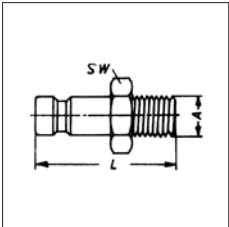
51142



51142



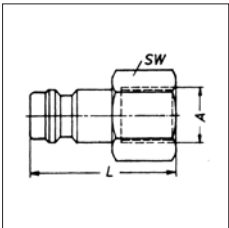
51163



51163



51183



51183

Item	Connection type	Length mm	Unit piece	Price EURO
51142	nozzle 6 mm	48	1	6.00
51143	nozzle 8 mm	48	1	6.00
51144	nozzle 9 mm	48	1	6.00
51145	nozzle 10 mm	48	1	6.00
51146	nozzle 13 mm	49	1	8.00
51163	ext. thread R 1/8"	35	1	10.00
51164	ext. thread R 1/4"	37	1	10.00
51165	ext. thread R 3/8"	37	1	10.00
51166	ext. thread R 1/2"	41	1	12.00
51183	int. thread R 1/8"	32	1	8.00
51184	int. thread R 1/4"	33	1	8.00
51185	int. thread R 3/8"	33	1	8.00
51186	int. thread R 1/2"	36	1	13.00

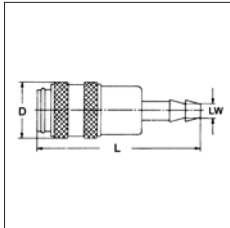
THOMAFLUID®-Quick-Disconnect Coupling
made of Nickel-Plated Brass, NW 2.7 mm -
shutting-off on both sides

Product specification

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



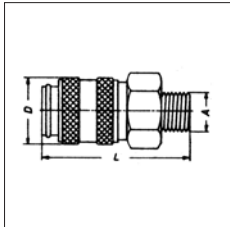
51109, 51110



51109, 51110



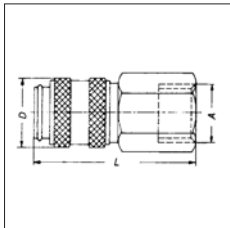
51071, 51072



51071, 51072



51088, 51089



51088, 51089

Item	Connection type	Length mm	Unit piece	Price EURO
51109	nozzle 3 mm	35	1	23.00
51110	nozzle 4 mm	35	1	23.00
51071	ext. thread M5	26	1	22.00
51072	ext. thread R 1/8"	28	1	22.00
51088	int. thread M5	26	1	10.00
51089	int. thread R 1/8"	28	1	10.00

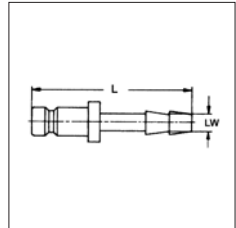
THOMAFLUID®-Quick-Disconnect Nipple
made of Nickel-Plated Brass, NW 2.7 mm -
shutting-off on both sides

Product specification

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



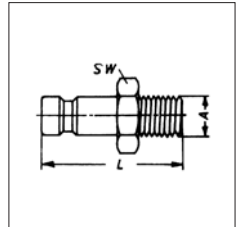
51201, 51202



51201, 51202



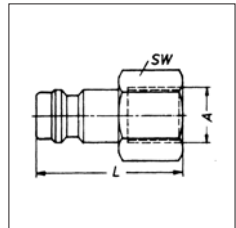
51224, 51225



51224, 51225



51244, 51245



51244, 51245

Item	Connection type	Length mm	Unit piece	Price EURO
51201	nozzle 3 mm	43	1	19.00
51202	nozzle 4 mm	43	1	19.00
51224	ext. thread M5	38	1	13.00
51225	ext. thread R 1/8"	40	1	13.00
51244	int. thread M5	35	1	18.00
51245	int. thread R 1/8"	37	1	18.00

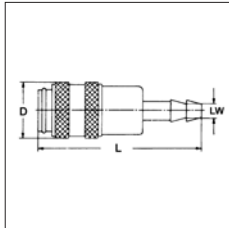
THOMAFLUID®-Quick-Disconnect Coupling
made of Nickel-Plated Brass, NW 5 mm -
shutting-off on both sides

Product specification

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



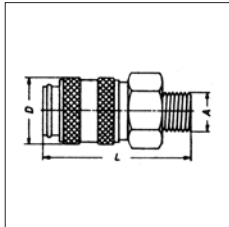
51111



51111



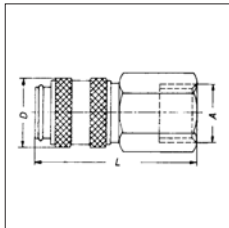
51073



51073



51090



51090

Item	Connection type	Length mm	Unit piece	Price EURO
51111	nozzle 4 mm	46	1	28.00
51112	nozzle 6 mm	46	1	28.00
51113	nozzle 8 mm	46	1	28.00
51114	nozzle 9 mm	46	1	28.00
51115	nozzle 10 mm	46	1	28.00
51073	ext. thread R 1/8"	36	1	22.00
51074	ext. thread R 1/4"	38	1	22.00
51075	ext. thread R 3/8"	38	1	22.00
51090	int. thread R 1/8"	36	1	22.00
51091	int. thread R 1/4"	38	1	22.00
51092	int. thread R 3/8"	38	1	22.00

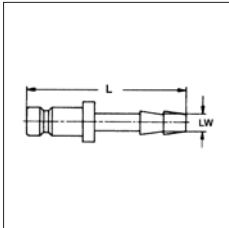
THOMAFLUID®-Quick-Disconnect Nipple
made of Nickel-Plated Brass, NW 5 mm -
shutting-off on both sides

Product specification

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



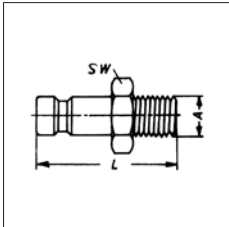
51203



51203



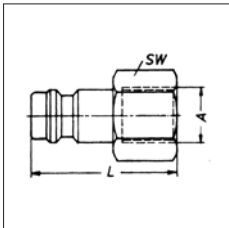
51226



51226



51246



51246

Item	Connection type	Length mm	Unit piece	Price EURO
51203	nozzle 4 mm	50	1	19.00
51204	nozzle 6 mm	50	1	19.00
51205	nozzle 8 mm	50	1	21.00
51206	nozzle 9 mm	50	1	21.00
51207	nozzle 10 mm	50	1	21.00
51226	ext. thread R 1/8"	25	1	17.00
51227	ext. thread R 1/4"	27	1	17.00
51228	ext. thread R 3/8"	27	1	17.00
51246	int. thread R 1/8"	24	1	20.00
51247	int. thread R 1/4"	26	1	20.00
51248	int. thread R 3/8"	26	1	20.00

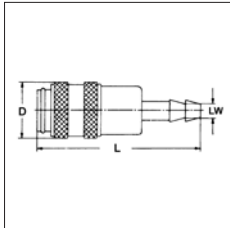
THOMAFIUID®-Quick-Disconnect Coupling
made of Nickel-Plated Brass, NW 7.4 mm -
shutting-off on both sides

Product specification

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



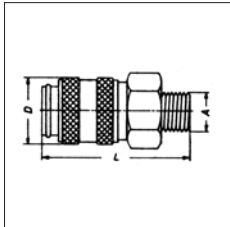
51116



51116



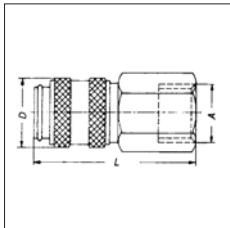
51076



51076



51093



51093

Item	Connection type	Length mm	Unit piece	Price EURO
51116	nozzle 6 mm	73	1	43.00
51117	nozzle 8 mm	73	1	43.00
51118	nozzle 9 mm	73	1	43.00
51119	nozzle 10 mm	73	1	43.00
51120	nozzle 13 mm	73	1	45.00
51076	ext. thread R 1/4"	60	1	28.00
51077	ext. thread R 3/8"	60	1	28.00
51078	ext. thread R 1/2"	65	1	31.00
51093	int. thread R 1/4"	56	1	28.00
51094	int. thread R 3/8"	56	1	28.00
51095	int. thread R 1/2"	58	1	31.00

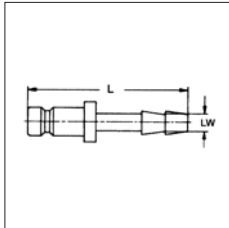
THOMAFIUID®-Quick-Disconnect Nipple
made of Nickel-Plated Brass, NW 7.4 mm -
shutting-off on both sides

Product specification

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



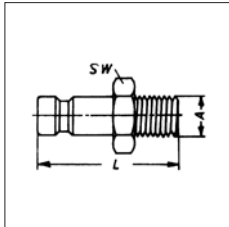
51208



51208



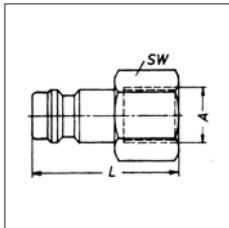
51229



51229



51249



51249

Item	Connection type	Length mm	Unit piece	Price EURO
51208	nozzle 6 mm	48	1	21.00
51209	nozzle 8 mm	48	1	21.00
51210	nozzle 9 mm	48	1	21.00
51211	nozzle 10 mm	48	1	21.00
51212	nozzle 13 mm	48	1	23.00
51229	ext. thread R 1/8"	35	1	21.00
51230	ext. thread R 1/4"	37	1	21.00
51231	ext. thread R 3/8"	37	1	21.00
51232	ext. thread R 1/2"	41	1	23.00
51249	int. thread R 1/8"	32	1	23.00
51250	int. thread R 1/4"	33	1	23.00
51251	int. thread R 3/8"	33	1	23.00
51252	int. thread R 1/2"	36	1	25.00

Macro Quick-Disconnect Couplings made of Chromium-Plated Brass

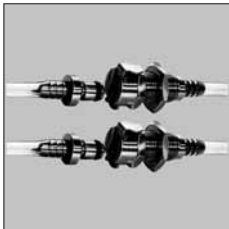
THOMAFLUID®-Quick-Disconnect Couplings made of Chromium-Plated Brass

General product specification

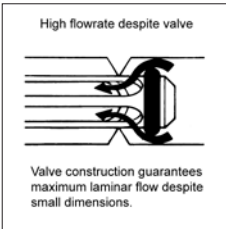
- THOMAFLUID®-quick-release coupling systems are excellently suitable for connecting and disconnecting of tubing, apparatuses etc. The quick-release couplings are easily to operate and connecting as well as disconnecting can be done with only one hand. The coupling socket is self-locking, when the plug nozzle is 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 THOMAFLUID®-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

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



Metal coupling parts

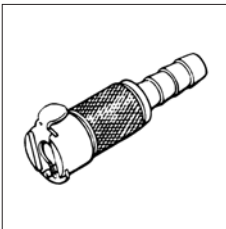


Valve

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



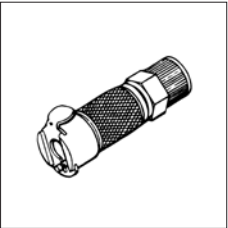
10343, 10349



10343, 10349



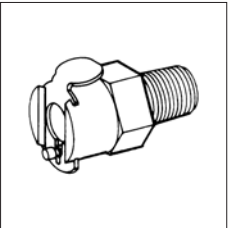
10321, 10324



10321, 10324



10297, 10301



10297, 10301

Product specification

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

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
10343	nozzle 3.2 mm	without	42	1	32.00
10344	nozzle 4.8 mm	without	47	1	32.00
10345	nozzle 6.4 mm	without	47	1	32.00
10321	pipe 6.4 mm	without	43	1	40.00
10297	ext. thread NPT 1/8"	without	25.4	1	20.00
10298	ext. thread NPT 1/4"	without	28	1	20.00
10305	ext. thread R 1/8"	without	25.4	1	20.00
10306	ext. thread R 1/4"	without	28	1	20.00
10349	nozzle 3.2 mm	with	42	1	34.00
10350	nozzle 4.8 mm	with	47	1	34.00
10351	nozzle 6.4 mm	with	47	1	34.00
10324	pipe 6.4 mm	with	43	1	43.00
10301	ext. thread NPT 1/8"	with	25.4	1	22.00
10302	ext. thread NPT 1/4"	with	28	1	22.00
10309	ext. thread R 1/8"	with	25.4	1	22.00
10310	ext. thread R 1/4"	with	28	1	22.00

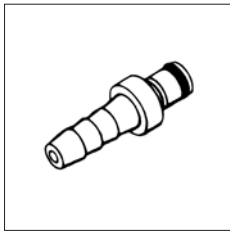
THOMAFLUID®-Quick-Disconnect Nipple made of Chromium-Plated Brass, NW 3.2 mm

Product specification

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



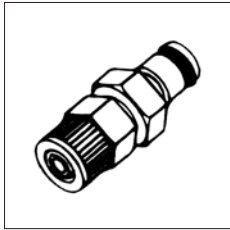
10371, 10377



10371, 10377



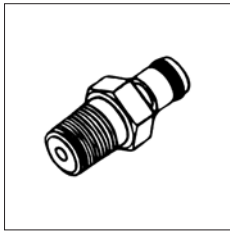
10355, 10360



10355, 10360



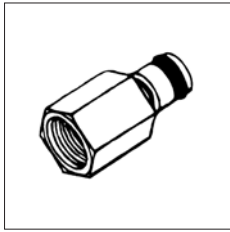
10387, 10391



10387, 10391



51321, 51398



51321, 51398

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
10371	nozzle 3.2 mm	without	24	1	13.00
10372	nozzle 4.8 mm	without	26	1	13.00
10373	nozzle 6.4 mm	without	34	1	13.00
10355	pipe 4 mm	without	16	1	17.00
10356	pipe 6.4 mm	without	18	1	17.00
10358	pipe 9.5 mm	without	21	1	18.00
10387	ext. thread NPT 1/8"	without		1	14.00
10388	ext. thread NPT 1/4"	without		1	14.00
51321	int. thread NPT 1/8"	without		1	14.00
51322	int. thread NPT 1/4"	without		1	14.00
10401	int. thread UNF 10-32	without		1	15.00

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
10377	nozzle 3.2 mm	with	24	1	23.00
10378	nozzle 4.8 mm	with	26	1	23.00
10379	nozzle 6.4 mm	with	23	1	23.00
10360	pipe 4 mm	with	16	1	27.00
10361	pipe 6.4 mm	with	18	1	27.00
10363	pipe 9.5 mm	with	21	1	28.00
10391	ext. thread NPT 1/8"	with		1	24.00
10392	ext. thread NPT 1/4"	with		1	24.00
10398	int. thread NPT 1/8"	with		1	24.00
10399	int. thread NPT 1/4"	with		1	24.00
10420	int. thread UNF 10-32	with		1	25.00

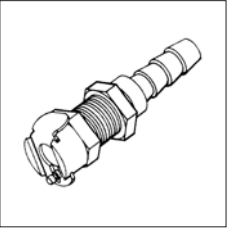
THOMAFLUID®-Quick-Disconnect Coupling made of Chromium-Plated Brass, NW 3.2 mm - Control Panel

Product specification

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



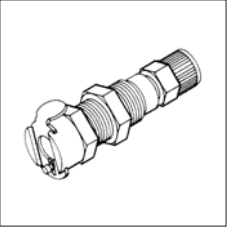
10331, 10337



10331, 10337



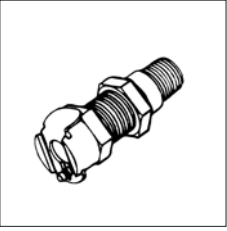
10313, 10317



10313, 10317



10327, 10329



10327, 10329

Item	Connection type	Valve	Control panel bore mm	Length mm	Unit piece	Price EURO
10331	nozzle 3.2 mm	without	13	42	1	30.00
10332	nozzle 4.8 mm	without	13	47	1	30.00
10333	nozzle 6.4 mm	without	13	49	1	30.00
10313	pipe 4 mm	without	13	43	1	37.00
10314	pipe 6.4 mm	without	13	45	1	37.00
10327	ext. thread NPT 1/8"	without	13	32	1	30.00
10337	nozzle 3.2 mm	with	13	42	1	33.00
10338	nozzle 4.8 mm	with	13	47	1	33.00
10339	nozzle 6.4 mm	with	13	49	1	33.00
10317	pipe 4 mm	with	13	43	1	40.00
10318	pipe 6.4 mm	with	13	45	1	40.00
10329	ext. thread NPT 1/8"	with	13	32	1	35.00

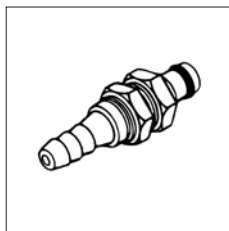
THOMAFUID®-Quick-Disconnect Nipple made of Chromium-Plated Brass, NW 3.2 mm - Control Panel

Product specification

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



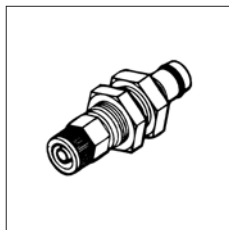
10408, 10414



10408, 10414



10402, 10405



10402, 10405

Item	Connection type	Valve	Control panel bore mm	Length mm	Unit piece	Price EURO
10408	nozzle 3.2 mm	without	12.5	26	1	25.00
10409	nozzle 4.8 mm	without	12.5	31	1	25.00
10410	nozzle 6.4 mm	without	12.5	31	1	25.00
10402	pipe 6.4 mm	without	12.5	25.4	1	28.00
10414	nozzle 3.2 mm	with	12.5	26	1	30.00
10415	nozzle 4.8 mm	with	12.5	31	1	30.00
10416	nozzle 6.4 mm	with	12.5	31	1	30.00
10405	pipe 6.4 mm	with	12.5	25.4	1	34.00

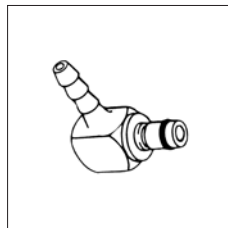
THOMAFUID®-Elbow Quick-Disconnect Nipple made of Chromium-Plated Brass, NW 3.2 mm

Product specification

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



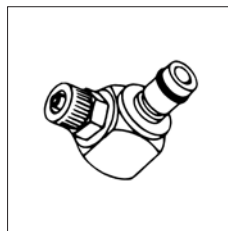
10383, 51351



10383, 51351



10365, 10368



10365, 10368

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
10383	nozzle 3.2 mm	without	24	1	23.00
51327	nozzle 6.4 mm	without	27	1	23.00
10365	pipe 4 mm	without	24	1	27.00
51325	pipe 6.4 mm	without	27	1	27.00
51351	nozzle 3.2 mm	with	24	1	27.00
51352	nozzle 6.4 mm	with	27	1	27.00
10368	pipe 4 mm	with	24	1	36.00
51349	pipe 6.4 mm	with	27	1	30.00

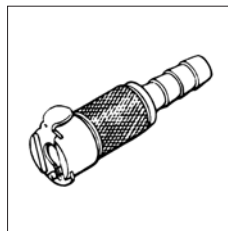
THOMAFUID®-Quick-Disconnect Coupling made of Chromium-Plated Brass, NW 6.4 mm

Product specification

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



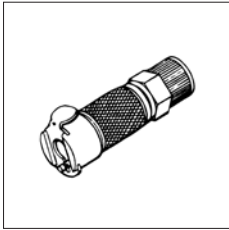
10346, 10352



10346, 10352



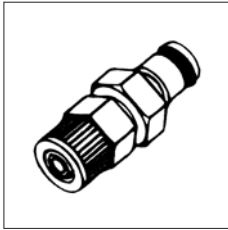
10322, 10325



10322, 10325



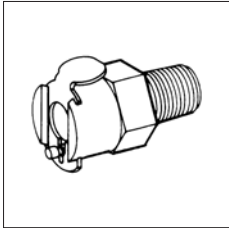
10357, 10362



10357, 10362



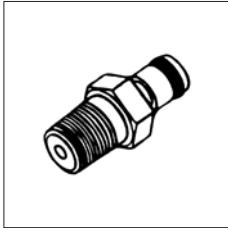
10299, 10303



10299, 10303



10389, 10393

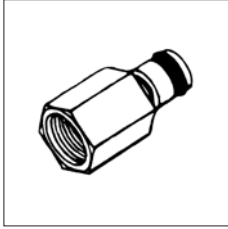


10389, 10393

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
10346	nozzle 6.4 mm	without	50	1	37.00
10347	nozzle 8 mm	without	50	1	37.00
10348	nozzle 9.5 mm	without	50	1	37.00
10322	pipe 6.4 mm	without	44	1	45.00
10323	pipe 9.5 mm	without	50	1	45.00
10299	ext. thread NPT 1/4"	without	29.2	1	24.00
10300	ext. thread NPT 3/8"	without	29.2	1	24.00
10307	ext. thread R 1/4"	without	29.2	1	24.00
10308	ext. thread R 3/8"	without	29.2	1	24.00
10352	nozzle 6.4 mm	with	50	1	44.00
10353	nozzle 8 mm	with	50	1	44.00
10354	nozzle 9.5 mm	with	50	1	44.00
10325	pipe 6.4 mm	with	44	1	50.00
10326	pipe 9.5 mm	with	50	1	51.00
10303	ext. thread NPT 1/4"	with	29.2	1	27.00
10304	ext. thread NPT 3/8"	with	29.2	1	27.00
10311	ext. thread R 1/4"	with	29.2	1	27.00
10312	ext. thread R 3/8"	with	29.2	1	27.00



51323, 10400

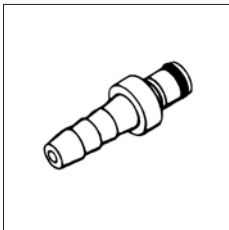


51323, 10400

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



10374, 10380



10374, 10380

Product specification

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

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
10374	nozzle 6.4 mm	without	38	1	15.00
10375	nozzle 8 mm	without	38	1	15.00
10376	nozzle 9.5 mm	without	38	1	15.00
10357	pipe 6.4 mm	without	18	1	18.00
10359	pipe 9.5 mm	without	21	1	21.00
10389	ext. thread NPT 1/4"	without		1	15.00
10390	ext. thread NPT 3/8"	without		1	15.00
51323	int. thread NPT 1/4"	without		1	15.00
10380	nozzle 6.4 mm	with	38	1	28.00
10381	nozzle 8 mm	with	38	1	28.00
10382	nozzle 9.5 mm	with	38	1	28.00
10362	pipe 6.4 mm	with	18	1	37.00
10364	pipe 9.5 mm	with	21	1	34.00
10393	ext. thread NPT 1/4"	with		1	29.00
10394	ext. thread NPT 3/8"	with		1	29.00
10400	int. thread NPT 1/4"	with		1	26.00

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

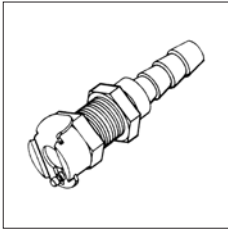
THOMAFLUID®-Quick-Disconnect Nipple made of Chromium-Plated Brass, NW 6.4 mm - Control Panel

Product specification

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



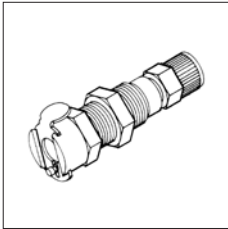
10334, 10340



10334, 10340



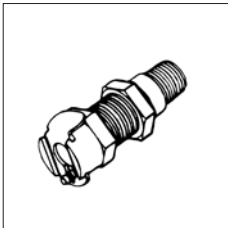
10315, 10319



10315, 10319



10328, 10330



10328, 10330

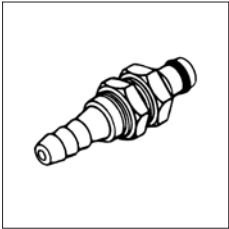
Item	Connection type	Valve	Control panel bore mm	Length mm	Unit piece	Price EURO
10334	nozzle 6.4 mm	without	18	50	1	39.00
10335	nozzle 8 mm	without	18	50	1	39.00
10336	nozzle 9.5 mm	without	18	50	1	39.00
10315	pipe 6.4 mm	without	18	51	1	38.00
10316	pipe 9.5 mm	without	18	51	1	38.00
10328	ext. thread NPT 1/4"	without	18	40	1	32.00
10340	nozzle 6.4 mm	with	18	50	1	39.00
10341	nozzle 8 mm	with	18	50	1	40.00
10342	nozzle 9.5 mm	with	18	50	1	40.00
10319	pipe 6.4 mm	with	18	51	1	43.00
10320	pipe 9.5 mm	with	18	51	1	43.00
10330	ext. thread NPT 1/4"	with	18	40	1	37.00

Product specification

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



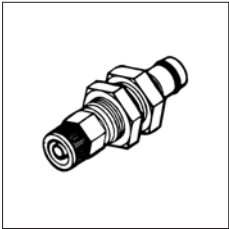
10411, 10417



10411, 10417



10403, 10406



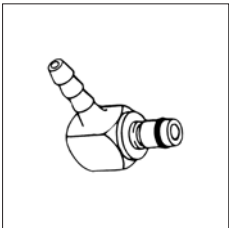
10403, 10406

Item	Connection type	Valve	Control panel bore mm	Length mm	Unit piece	Price EURO
10411	nozzle 6.4 mm	without	17.5	31	1	26.00
10412	nozzle 8 mm	without	17.5	31	1	26.00
10413	nozzle 9.5 mm	without	17.5	31	1	26.00
10403	pipe 6.4 mm	without	17.5	27	1	28.00
10404	pipe 9.5 mm	without	17.5	29	1	30.00
10417	nozzle 6.4 mm	with	17.5	31	1	34.00
10418	nozzle 8 mm	with	17.5	31	1	34.00
10419	nozzle 9.5 mm	with	17.5	31	1	34.00
10406	pipe 6.4 mm	with	17.5	27	1	38.00
10407	pipe 9.5 mm	with	17.5	29	1	39.00

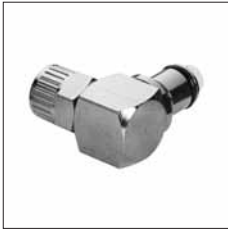
THOMAFLUID®-Elbow Quick-Disconnect Nipple made of Chromium-Plated Brass, NW 6.4 mm



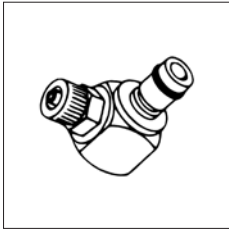
10384, 10385



10384, 10385



10366, 10369



10366, 10369

Product specification

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

Item	Connection type	Valve	Length mm	Unit piece	Price EURO
10384	nozzle 6.4 mm	without	27	1	27.00
51328	nozzle 9.5 mm	without	38	1	27.00
10366	pipe 6.4 mm	without	27	1	27.00
10367	pipe 9.5 mm	without	38	1	31.00
10385	nozzle 6.4 mm	with	27	1	28.00
10386	nozzle 9.5 mm	with	38	1	28.00
10369	pipe 6.4 mm	with	27	1	33.00
10370	pipe 9.5 mm	with	38	1	35.00

Macro Quick-Disconnect Couplings made of Stainless Steel

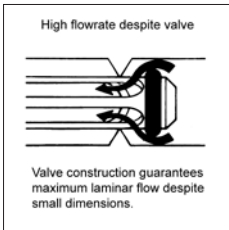
THOMAFIUID®-Quick-Disconnect Couplings made of Stainless Steel

General product specification

- THOMAFIUID®-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.



Stainless steel coupling parts



Valve

- The coupling systems are available in two designs:
Single shut-off: All coupling parts are available with valve for shut-off, all plug parts are delivered without valve.
Double shut-off: All coupling parts and all plug parts are available with valve for shut-off.
(Coupling elements of one type cannot be combined with elements of the other type)

General technical specification

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

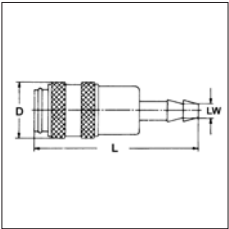
THOMAFIUID®-Quick-Disconnect Coupling made of Stainless Steel, NW 2.7 mm - shutting-off on one side

Product specification

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



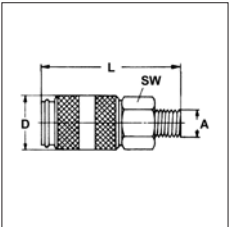
51036, 51037



51036, 51037



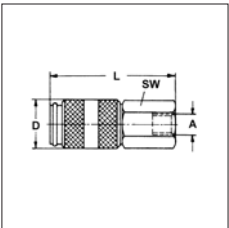
51000, 51001



51000, 51001



51018, 51019



51018, 51019

Item	Connection type	Length mm	Unit piece	Price EURO
51036	nozzle 3 mm	35	1	81.00
51037	nozzle 4 mm	35	1	81.00
51000	ext. thread M5	26	1	75.00
51001	ext. thread R 1/8"	28	1	79.00
51018	int. thread M5	26	1	75.00
51019	int. thread R 1/8"	28	1	75.00

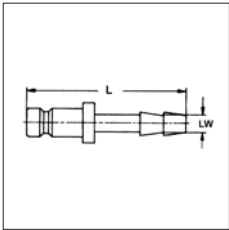
THOMAFUID®-Quick-Disconnect Nipple made of Stainless Steel, NW 2.7 mm - shutting-off on one side

Product specification

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



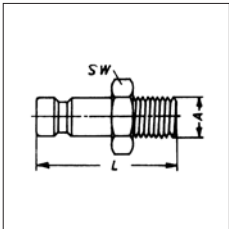
51122, 51123



51122, 51123



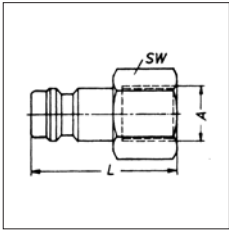
51148, 51149



51148, 51149



51168, 51169



51168, 51169

Item	Connection type	Length mm	Unit piece	Price EURO
51122	nozzle 3 mm	28	1	11.00
51123	nozzle 4 mm	28	1	11.00
51148	ext. thread M5	18	1	16.00
51149	ext. thread R 1/8"	20	1	16.00
51168	int. thread M5	17	1	24.00
51169	int. thread R 1/8"	19	1	24.00

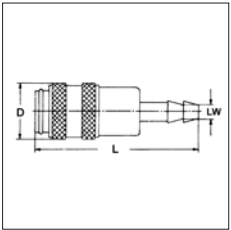
THOMAFUID®-Quick-Disconnect Coupling made of Stainless Steel, NW 5 mm - shutting-off on one side

Product specification

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



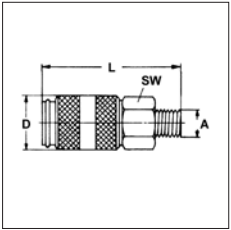
51038



51038



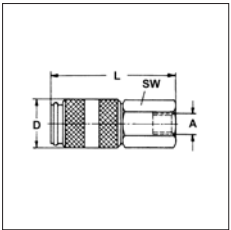
51002



51002



51020



51020

Item	Connection type	Length mm	Unit piece	Price EURO
51038	nozzle 4 mm	46	1	91.00
51039	nozzle 6 mm	46	1	91.00
51040	nozzle 8 mm	46	1	91.00
51041	nozzle 9 mm	46	1	91.00
51042	nozzle 10 mm	46	1	91.00
51002	ext. thread R 1/8"	36	1	81.00
51003	ext. thread R 1/4"	38	1	81.00
51004	ext. thread R 3/8"	38	1	89.00
51020	int. thread R 1/8"	36	1	81.00
51021	int. thread R 1/4"	38	1	81.00
51022	int. thread R 1/8"	38	1	89.00

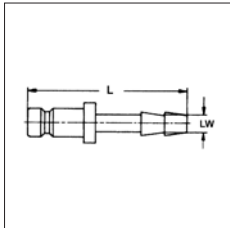
THOMAFLUID®-Quick-Disconnect Nipple made of Stainless Steel, NW 5 mm - shutting-off on one side

Product specification

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



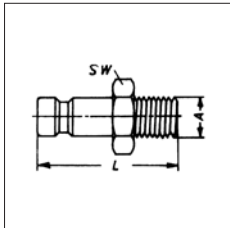
51124



51124



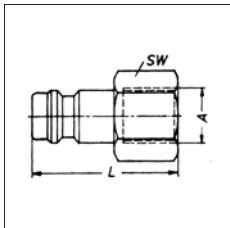
51150



51150



51170



51170

Item	Connection type	Length mm	Unit piece	Price EURO
51124	nozzle 4 mm	32	1	12.00
51125	nozzle 6 mm	32	1	12.00
51126	nozzle 8 mm	32	1	13.00
51127	nozzle 9 mm	32	1	14.00
51128	nozzle 10 mm	32	1	15.00
51150	ext. thread R 1/8"	25	1	18.00
51151	ext. thread R 1/4"	27	1	18.00
51152	ext. thread R 3/8"	27	1	18.00
51170	int. thread R 1/8"	24	1	26.00
51171	int. thread R 1/4"	26	1	26.00
51172	int. thread R 3/8"	26	1	26.00

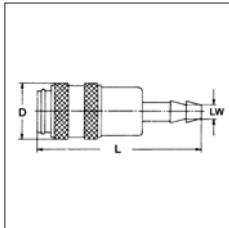
THOMAFLUID®-Quick-Disconnect Coupling made of Stainless Steel, NW 7.4 mm - shutting-off on one side

Product specification

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



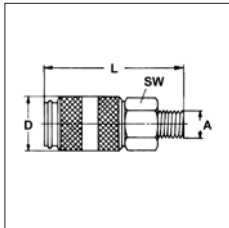
51043



51043



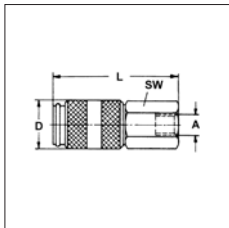
51005



51005



51023



51023

Item	Connection type	Length mm	Unit piece	Price EURO
51043	nozzle 6 mm	73	1	185.00
51044	nozzle 8 mm	73	1	90.00
51045	nozzle 9 mm	73	1	90.00
51046	nozzle 10 mm	73	1	90.00
51047	nozzle 13 mm	73	1	192.00
51005	ext. thread R 1/4"	60	1	179.00
51006	ext. thread R 3/8"	60	1	90.00
51007	ext. thread R 1/2"	65	1	192.00
51023	int. thread R 1/4"	56	1	90.00
51024	int. thread R 3/8"	56	1	90.00
51025	int. thread R 1/2"	58	1	90.00

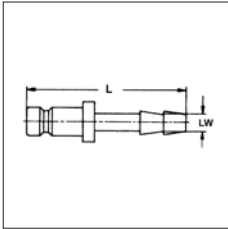
THOMAFUID®-Quick-Disconnect Nipple made of Stainless Steel, NW 7.4 mm - shutting-off on one side

Product specification

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



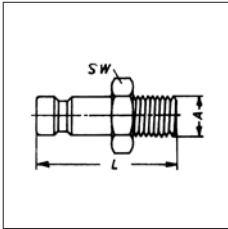
51129



51129



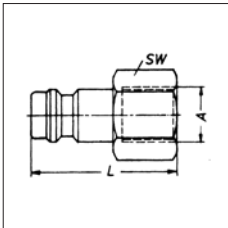
51153



51153



51173



51173

Item	Connection type	Length mm	Unit piece	Price EURO
51129	nozzle 6 mm	48	1	18.00
51130	nozzle 8 mm	48	1	18.00
51131	nozzle 9 mm	48	1	18.00
51132	nozzle 10 mm	48	1	18.00
51133	nozzle 13 mm	49	1	26.00
51153	ext. thread R 1/8"	35	1	21.00
51154	ext. thread R 1/4"	37	1	21.00
51155	ext. thread R 3/8"	37	1	21.00
51156	ext. thread R 1/2"	41	1	21.00
51173	int. thread R 1/8"	32	1	28.00
51174	int. thread R 1/4"	33	1	28.00
51175	int. thread R 3/8"	33	1	28.00
51176	int. thread R 1/2"	36	1	30.00

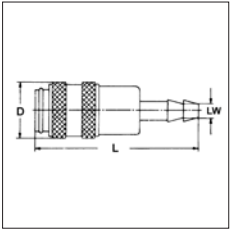
THOMAFUID®-Quick-Disconnect Coupling made of Stainless Steel, NW 2.7 mm - shutting-off on both sides

Product specification

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



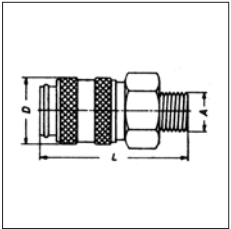
51096, 51097



51096, 51097



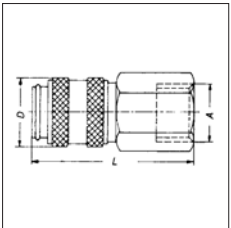
51062, 51063



51062, 51063



51080, 51081



51080, 51081

Item	Connection type	Length mm	Unit piece	Price EURO
51096	nozzle 3 mm	35	1	108.00
51097	nozzle 4 mm	35	1	108.00
51062	ext. thread M5	26	1	91.00
51063	ext. thread R 1/8"	28	1	91.00
51080	int. thread M5	26	1	96.00
51081	int. thread R 1/8"	28	1	96.00

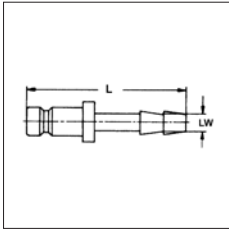
THOMAFUID®-Quick-Disconnect Nipple made of Stainless Steel, NW 2.7 mm - shutting-off on both sides

Product specification

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



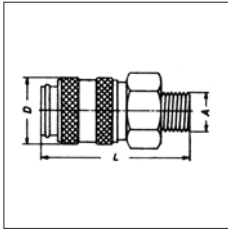
51188, 51189



51188, 51189



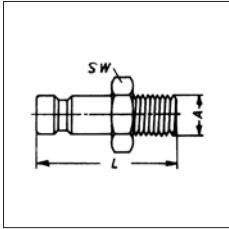
51064



51064



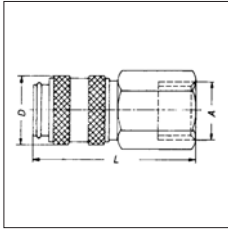
51214, 51215



51214, 51215



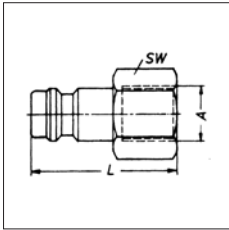
51082



51082



51234, 51235



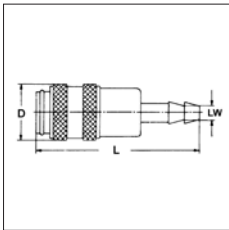
51234, 51235

Item	Connection type	Length mm	Unit piece	Price EURO
51188	nozzle 3 mm	28	1	96.00
51189	nozzle 4 mm	28	1	96.00
51214	ext. thread M5	18	1	44.00
51215	ext. thread R 1/8"	20	1	44.00
51234	int. thread M5	17	1	89.00
51235	int. thread R 1/8"	19	1	89.00

THOMAFUID®-Quick-Disconnect Coupling made of Stainless Steel, NW 5 mm - shutting-off on both sides



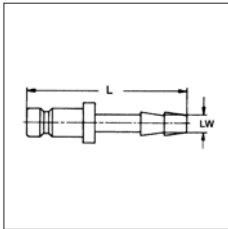
51098



51098



51190



51190

Product specification

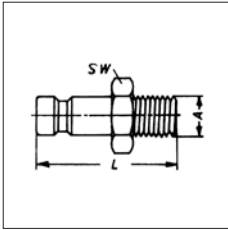
- Female coupling part. With shut-off and hose nozzle; external or internal thread for piping connection. Can be combined with all male coupling parts of nominal width 5 mm locking on both sides.

Item	Connection type	Length mm	Unit piece	Price EURO
51098	nozzle 4 mm	46	1	123.00
51099	nozzle 6 mm	46	1	123.00
51100	nozzle 8 mm	46	1	123.00
51101	nozzle 9 mm	46	1	123.00
51102	nozzle 10 mm	46	1	123.00
51064	ext. thread R 1/8"	36	1	91.00
51065	ext. thread R 1/4"	38	1	91.00
51066	ext. thread R 3/8"	38	1	99.00
51082	int. thread R 1/8"	36	1	100.00
51083	int. thread R 1/4"	38	1	100.00
51084	int. thread R 3/8"	38	1	100.00

THOMAFUID®-Quick-Disconnect Nipple made of Stainless Steel, NW 5 mm - shutting-off on both sides



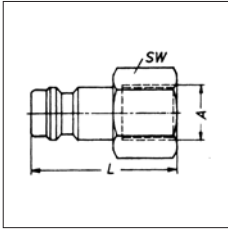
51216



51216



51236



51236

Product specification

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

Item	Connection type	Length mm	Unit piece	Price EURO
51190	nozzle 4 mm	32	1	88.00
51191	nozzle 6 mm	32	1	88.00
51192	nozzle 8 mm	32	1	93.00
51193	nozzle 9 mm	32	1	93.00
51194	nozzle 10 mm	32	1	93.00
51216	ext. thread R 1/8"	25	1	70.00
51217	ext. thread R 1/4"	27	1	70.00
51218	ext. thread R 3/8"	27	1	70.00
51236	int. thread R 1/8"	24	1	92.00
51237	int. thread R 1/4"	26	1	92.00
51238	int. thread R 3/8"	26	1	92.00

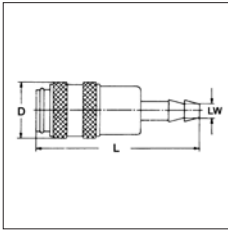
THOMAFUID®-Quick-Disconnect Coupling made of Stainless Steel, NW 7.4 mm - shutting-off on both sides

Product specification

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



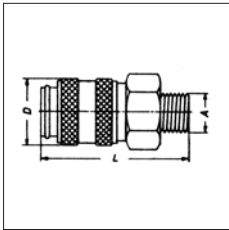
51103



51103



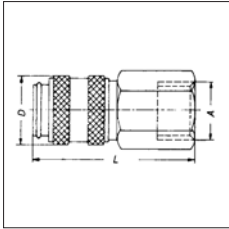
51067



51067



51085



51085

Item	Connection type	Length mm	Unit piece	Price EURO
51103	nozzle 6 mm	73	1	210.00
51104	nozzle 8 mm	73	1	210.00
51105	nozzle 9 mm	73	1	210.00
51106	nozzle 10 mm	73	1	210.00
51107	nozzle 13 mm	73	1	217.00
51067	ext. thread R 1/4"	60	1	204.00
51068	ext. thread R 3/8"	60	1	204.00
51069	ext. thread R 1/2"	65	1	204.00
51085	int. thread R 1/4"	56	1	204.00
51086	int. thread R 3/8"	56	1	204.00
51087	int. thread R 1/2"	58	1	217.00

THOMAFUID®-Quick-Disconnect Nipple made of Stainless Steel, 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. Can be combined with all female coupling parts of nominal width 7.4 mm locking on both sides.

Item	Connection type	Length mm	Unit piece	Price EURO
51195	nozzle 6 mm	48	1	95.00
51196	nozzle 8 mm	48	1	95.00
51197	nozzle 9 mm	48	1	95.00
51198	nozzle 10 mm	48	1	99.00
51219	ext. thread R 1/8"	35	1	97.00
51220	ext. thread R 1/4"	37	1	97.00
51221	ext. thread R 3/8"	37	1	97.00
51239	int. thread R 1/8"	32	1	94.00
51240	int. thread R 1/4"	33	1	94.00
51241	int. thread R 3/8"	33	1	94.00

Drain Cocks
Plastics

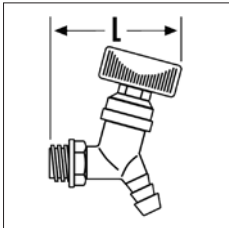
THOMAFUID®-Angle-Body Drain Cock
made of HDPE with Hose Nozzle

Product specification

- Angle-body drain cock made of natural-coloured, rigid HDPE 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



Item	External thread	For tubing inside Ø mm	Nominal width mm	L mm	Unit piece	Price EURO
40699	R 1/2"	12.7	10	85	3	75.00

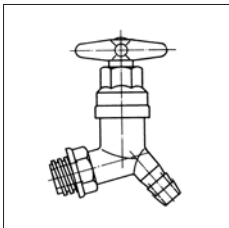
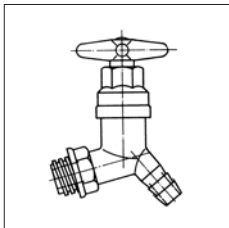
THOMAFUID®-Angle-Body Drain Cock
made of HDPE with Hose Nozzle

Product specification

- Angle-body drain cock made of natural-coloured, rigid HDPE 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



Item	Connection type	For tubing inside Ø mm	Nominal width mm	Unit piece	Price EURO
40700	Wide thread 22 mm	12.7	10	3	75.00

THOMAFUID®-Drain Cock made of HDPE

Product specification

- Drain cock made of natural-coloured, rigid HDPE with 45° discharge conduit elbow, external thread on both sides.

Technical specification

- **Temperature range:** -30 to +90 °C
- **Max. operating pressure:** 1.5 bar



Item	External thread	Nominal width mm	Unit piece	Price EURO
40703	R 1/2"	12	3	75.00

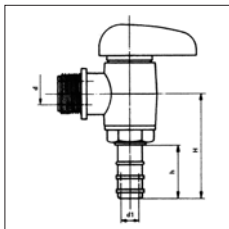
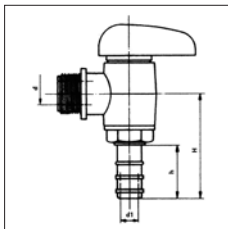
THOMAFUID®-Drain Cock made of HDPE
with Hose Nozzle

Product specification

- Elbow drain cock made of natural-coloured, rigid HDPE with thread and hose nozzle as outlet.

Technical specification

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



Item	External thread	For tubing inside Ø mm	d mm	d1 mm	h mm	H mm	Unit piece	Price EURO
40728	R 1/2"	12.7	12	8	33	52	2	46.00

THOMAFUID®-Drain Cock made of PP -
with male thread R 3/4"

Product specification

- Spare spigot for PE storage bottles



Item	External thread	Ø outlet outside mm	Unit piece	Price EURO
10872	R 3/4"	10.5	1	25.00

THOMAFUID®-Drain Cock made of PP - with male thread 1/2"

Product specification

- Universal ball cock, absolutely tight, leak-tight and easy to handle

Technical specification

- **Material:**
Body and ball: PP (polypropylene)
Ball seal: PTFE (polytetrafluoroethylene)
O-ring: NBR
- **Temperature range:** water: -30 to +70 °C, air: up to +90 °C



Item	External thread	Ø outlet outside mm	Unit piece	Price EURO
11583	R 1/2"	12	1	89.00

THOMAFUID®-Drain Cock made of PP - with nozzle



Product specification

- Cap nut with internal thread R 3/4" on one side, bend outlet with reducing nozzle for tubing ID 6 mm and integrated drop preventing device on the other side (no dropping of residual liquid).
- Metering scale on rotary handle ensures reproducible filling quantities.
- Permanent temperature-resistant up to +70 °C
- Pressure-resistant up to 2 bar at +20 °C (without discharge bracket and grommet).

Item	Internal thread	Unit piece	Price EURO
40047	R 3/4"	1	54.00
40048	R 3/4"	3	102.00

THOMAFUID®-Drain Cock made of PP - compact

Product specification

- Space-saving design
- Optimised discharge for even stream of liquid with no splashing or spattering.
- The spigot features easy motion and a tight seal. It is screwed on with a connecting cap nut. This guarantees a vertical position of the valve and makes it possible to adjust the valve later on.
- The short discharge does not protrude out over the lower edge of the container, which makes the valve a perfect choice even when space is very limited.



Item	Internal thread	Unit piece	Price EURO
10746	R 3/4"	1	62.00
10747	R 3/4"	2	85.00

THOMAFUID®-Drain Cock made of PA - electrically conductive

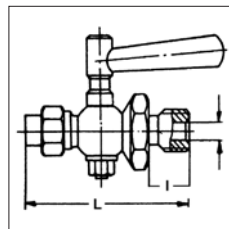
Product specification

- Tight-closing for complete seal
- Especially effortless
- With connecting cap nut, guaranteed vertical position of the cock
- Pressure-resistant up to 2 bar at +20 °C (without discharge bracket and grommet)
- With discharge angle and rotatable spout preventing drips
- With tapered spout for bottles with narrow openings with an outside diameter from 6 to 8 mm
- Media-contacting parts: PA electrically conductive and PTFE
- Supplied with electrically conductive PA adapter for internal thread R 3/4"
- Commercially available spigots made of polyethylene or polypropylene cannot be used for solvents. The THOMAFUID® discharge cock is made of electrically conductive polyamide and thus perfectly suitable for solvents. Can be combined with all commercially available canisters and barrels with R 3/4" connection threads.



Item	Internal thread	Unit piece	Price EURO
40073	R 3/4"	1	65.00

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



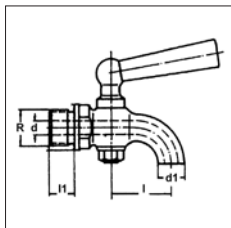
Item	External thread	Nominal width mm	Outside Ø soldering blowpipe mm	L mm	Material	Price EURO
54506	R 1/4"	4	6	48	brass	46.00
54513	R 1/4"	4	6	48	stainless steel	136.00
54507	R 3/8"	6	8	55	brass	54.00
54514	R 3/8"	6	8	55	stainless steel	151.00
54508	R 1/2"	8	10	65	brass	57.00
54515	R 1/2"	8	10	65	stainless steel	202.00
54509	R 3/4"	12	15	90	brass	82.00
54516	R 3/4"	12	15	90	stainless steel	246.00
54510	R 1"	15	22	105	brass	136.00
54517	R 1"	15	22	105	stainless steel	348.00

Metals

THOMAFUID®-Drain Cock made of Brass or Stainless Steel with Bent Outlet

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 stainless steel (1.4571): -5 to +130 °C, working temperature for brass: -5 to +50 °C.

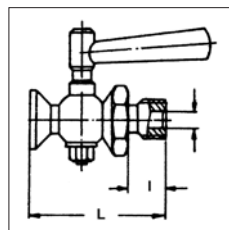
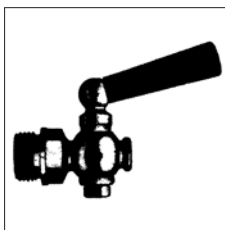


Item	External thread	Nominal width mm	d1 mm	l1 mm	Material	Price EURO
54533	R 1/4"	4	9	10	stainless steel	128.00
54534	R 3/8"	6	12	12	stainless steel	144.00
54535	R 1/2"	8	15	14	stainless steel	174.00
54531	R 3/4"	12	20	16	brass	62.00
54536	R 3/4"	12	20	16	stainless steel	246.00
54532	R 1"	15	25	20	brass	100.00
54537	R 1"	15	25	20	stainless steel	348.00

THOMAFUID®-Drain Cock made of Brass or Stainless Steel with Smooth Outlet

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 stainless steel (1.4571): -5 to +130 °C
- Working temperature for brass: -5 to +50 °C.



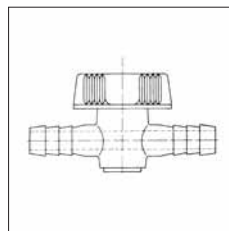
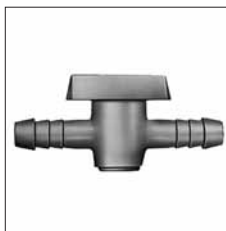
THOMAFUID®-Drain Cock made of Brass or Stainless Steel with Spigot

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.

Item	External thread	Nominal width mm	L mm	WAF mm	Material	Price EURO
502901	R 1/8"	4	39	19	stainless steel	105.00
50290	R 1/8"	4	35	17	brass	34.00
50291	R 1/4"	6	38	17	brass	36.00
54500	R 1/4"	4	39	19	stainless steel	123.00
50292	R 3/8"	8	46	17	brass	39.00

Item	External thread	Nominal width mm	L mm	WAF mm	Material	Price EURO
54501	R 3/8"	6	45	22	stainless steel	149.00
50293	R 1/2"	12	50	19	brass	54.00
54502	R 1/2"	8	55	27	stainless steel	169.00
50294	R 3/4"	14	57	25	brass	118.00
54503	R 3/4"	12	66	32	stainless steel	200.00
50295	R 1"	19	80	34	brass	215.00
54504	R 1"	15	84	41	stainless steel	292.00
50297	R 1 1/2"	32			brass	269.00



Item	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	9.5	7	37	71	5	39.00

Stopcocks and Straight-way Cocks Plastics

THOMAFUID®-Stopcock made of PE/PVDF

Product specification

- Two-way cocks are used to transfer or block liquids or gases or to change the flow direction
- With mounting plate for easy installation
- The cock is made of PVDF or a composition of PP and PE: PVDF: excellent chemical resistance, suitable for food PP / PE: for industrial use

Technical specification

- **Colour:** PP/PE: red / white, PVDF: transparent
- **Max. operating pressure:** 1 bar
- **Temperature range:** PP/PE: +5 to +40 °C, PVDF: 0 to +40 °C
- **Design:** Hose nozzles at both sides for tubing of inside Ø 5-11 mm



Item	Nominal width mm	For tubing inside Ø mm	Material plug, handle	Material housing	Unit piece	Price EURO
33455	4	5 - 7	PE	PP	1	16.00
33456	4	5 - 7	PVDF	PVDF	1	29.00
33457	6	7 - 9	PE	PP	1	18.00
33458	6	7 - 9	PVDF	PVDF	1	29.00
33459	8	9 - 11	PE	PP	1	18.00
33460	8	9 - 11	PVDF	PVDF	1	29.00

THOMAFUID®-Stopcock made of HDPE with Hose Nozzles

Product specification

- Stopcock made of natural-coloured, rigid HDPE, with strong hose nozzles on both sides and reinforced handle knob.
- Max. pressure load at approx. 0.3 bar.

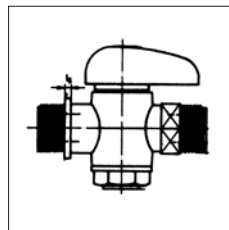
THOMAFUID®-Stopcock made of HDPE with External Thread

Product specification

- Stopcock made of natural-coloured, rigid HDPE, with R-external thread on both sides.

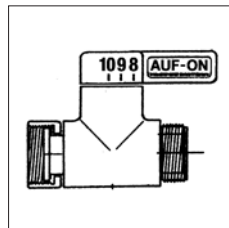
Technical specification

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



Item	External thread	Nominal width mm	Unit piece	Price EURO
40707	R 1/2"	12	3	75.00
40708	R 3/4"	15.5	3	81.00

THOMAFUID®-Stopcock made of PP with Internal/External Thread



Product specification

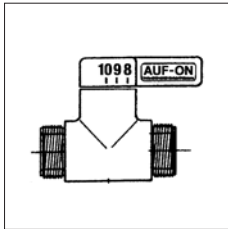
- Cap nut with internal thread R 3/4" on one side and external thread R 3/4" for combination with straight through-way nozzles (items 14365 to 14370) on the other side.
- Metering scale on the rotary handle ensures reproducible filling quantities.
- Autoclavable at +121 °C
- Pressure-resistant up to 2 bar at +20 °C (without bend outlet and nozzle)

Item	Internal thread	External thread	Unit piece	Price EURO
14364	R 3/4"	R 3/4"	1	49.00

THOMAFUID®-Stopcock made of PP with External Thread

Product specification

- External thread R 3/4" on both sides
- Metering scale on the rotary handle ensures reproducible flow rates
- Thread matches adapter tubing nozzles items 14365 to 14370 and 14371
- Autoclavable at +121 °C
- Pressure-resistant up to 2 bar at +20 °C (without bend outlet and nozzle)



Item	External thread	Unit piece	Price EURO
14373	R 3/4"	1	69.00

RCT®-Accessories: Outlet made of PP with Hose Nozzle

Product specification

- Cap nut with internal thread R 3/4" on one side, nozzles for tubing ID 4, 6, 8, 10, 12 and 16 mm on the other side.
- Matches items 14373 and 14364.



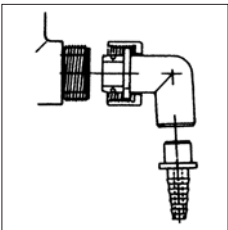
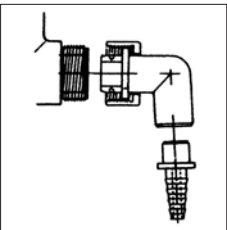
Item	For tubing inside Ø mm	Internal thread	Unit piece	Price EURO
14365	4	R 3/4"	1	13.00
14366	6	R 3/4"	1	13.00
14367	8	R 3/4"	1	13.00

Item	For tubing inside Ø mm	Internal thread	Unit piece	Price EURO
14368	10	R 3/4"	1	13.00
14369	12	R 3/4"	1	13.00
14370	16	R 3/4"	1	13.00

RCT®-Accessories: Bend Outlet made of PP with Reducing Nozzle

Product specification

- Cap nut with internal thread R 3/4" on one side, nozzle for tubing ID 6 mm on the other side
- Matches items 14373 and 14364

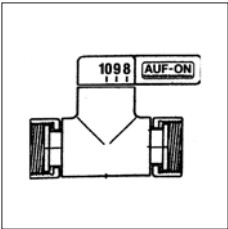


Item	For tubing inside Ø mm	Internal thread	Unit piece	Price EURO
14371	6	R 3/4"	1	23.00

THOMAFUID®-Stopcock made of PP with Internal Thread

Product specification

- Cap nuts with screw-on internal thread R 3/4" on both sides
- Metering scale on the rotary handle ensures reproducible flow rates
- Autoclavable at +121 °C
- Pressure-resistant up to 2 bar at +20 °C (without bend outlet and nozzle)



Item	Internal thread	Unit piece	Price EURO
14374	R 3/4"	1	75.00

THOMAFUID®-High-Pure Shut-off Cock for the Food Processing Industry

Application area

- Drinking water supply, food processing technology, beverage systems, building services

Product specification

- Food-suited material, particularly suitable for beers, soft drinks, water, CO₂ and nitrogen
- Manufacturing according to FDA and NSF regulations
- Easy and quick installation without using tools
- Suitable for metal (brass, copper pipes or soft metals) as well as plastic pipes (PA, PE, EVA or PUR)
- Can be quickly connected and disconnected many times without problems
- Suitable for compressed air and liquids
- 100 % cleanable according to TRSK 501

Technical specification

- **Material:**
Body: acetal copolymer
Gasket: NBR
Collet: stainless steel
- **Colour:** gray
- **Temperature range:** -20 to +65 °C
- **Max. operating pressure:** at +20 °C: 10 bar; at +65 °C: 7 bar
- **Regulations:** FDA and NSF



Item	For pipes outside Ø inch	Unit piece	Price EURO
302970	3/8"	1	36.00

THOMAFUID®-High-Chem Shut-off Cock made of PP for Drinking Water**Product specification**

- Suitable for drinking water
- Easy and quick installation without using tools
- Suitable for metal (brass, copper pipes or soft metals) as well as plastic pipes (PA, PE, EVA or PUR)
- Can be quickly connected and disconnected many times without problems
- Not suited for compressed air, explosive gases, petroleum or combustible liquids

**Technical specification**

- **Material:**
Body: polypropylene
Gasket: EPDM
Collet: stainless steel
- **Colour:** white
- **Temperature range:** -20 to +60 °C
- **Max. operating pressure:** at +20 °C: 10 bar; at +60 °C: 7 bar

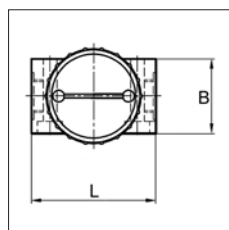
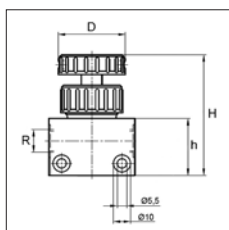
Item	For pipes outside Ø mm	Unit piece	Price EURO
302971	6	1	22.00
302972	6.4	1	22.00
302973	8	1	26.00
302974	9.5	1	26.00
302975	10	1	32.00
302976	12	1	35.00

THOMAFUID®-High-Tech Stopcock made of PEEK for Pipes**Product specification**

- „On/Off“ stopcock 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 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.



Item	For pipes outside Ø mm	Unit piece	Price EURO
43858	1.6	1	151.00
43859	3.2	1	151.00

THOMAFUID®-Stopcock made of PP/PVDF/PTFE

Product specification

- Compact construction, R-internal thread on both sides, Cock plug made of PTFE

Item	Nominal width mm	Internal thread	L mm	H mm	Material	Price EURO
24396	4	R 1/4"	50	70	PP	178.00
24397	4	R 1/4"	50	70	PTFE	201.00
24398	4	R 1/4"	50	70	PVDF	190.00
24400	6	R 1/4"	50	70	PP	178.00
24401	6	R 1/4"	50	70	PTFE	201.00
24402	6	R 1/4"	50	70	PVDF	190.00
24404	8	R 1/2"	70	110	PP	202.00
24405	8	R 1/2"	70	110	PTFE	282.00
24406	8	R 1/2"	70	110	PVDF	266.00
24408	10	R 1/2"	70	110	PP	202.00
24409	10	R 1/2"	70	110	PTFE	282.00
24410	10	R 1/2"	70	110	PVDF	266.00

MULTIFIT®-Stopcocks made of PTFE**General product specification**

- MULTIFIT®-cocks and valves for rigid tubing (pipes) fix tubing (pipes) by means of a compressed FPM O-ring. The higher the internal pressure is, the tighter is the joint. MULTIFIT®-connections are closed and opened within seconds.
- **Size A:**
Nominal width 0.8 mm, for highly flexible PTFE tubing, with outside Ø 0.6 to 1.0 mm (1/32").
- **Size C:**
Nominal width 1.6 mm, for tubing used in many chromatography systems, with outside Ø 1.3 to 1.6 mm (1/16"). The cap nuts of size C and D have the same thread size. Therefore, the total versatile assortment of size D RCT®-couplings, cocks, and columns can be coupled to the 1/16" tubes after changing the cap nut and the sealing ring.
- **Size D:**
Nominal width 3.2 mm, for 1/8" tubes of the THOMACHROM®-chromatography system available in various materials and with inside diameters of 0.25 to 2.0 mm. Suitable for outside Ø 2.4 to 3.2 mm. The nuts of size D are marked with a notch.
- **Size E:**
Nominal width 6.4 mm, for 1/4" tubes and glass pipes of chromatography columns, suitable for outside Ø of 5.7 to 6.4 mm.
- MULTIFIT® are available as standard type with PVC nuts for aqueous and non-aggressive solvents, and as SR-type with nuts made of PCTFE for temperatures up to +120 °C. O-rings made of FFKM are available for particularly aggressive liquids such as pyridine, ketones, and esters (to request separately).

General technical specification

- **Material:**
Body and plug: PTFE
Cap nuts: alternatively PVC or PCTFE
- **Max. operating pressure:** 3 bar

MULTIFIT®-Stopcock made of PTFE for Tubing of the Same Size

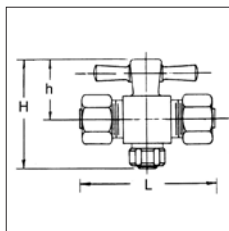
Item	For pipes outside Ø mm	Size	Material nuts	Unit piece	Price EURO
9301204	0.6 - 1	A / A	PVC	1	92.00
9301205	1.3 - 1.6	C / C	PVC	1	92.00
9301206	2.4 - 3.2	D / D	PVC	1	92.00
9301207	5.7 - 6.4	E / E	PVC	1	92.00
93012049	0.6 - 1	A / A	PCTFE	1	136.00
93012059	1.3 - 1.6	C / C	PCTFE	1	136.00
93012069	2.4 - 3.2	D / D	PCTFE	1	136.00
93012079	5.7 - 6.4	E / E	PCTFE	1	136.00

MULTIFIT®-Stopcock made of PTFE for Tubing of Different Size

Item	For pipes outside Ø (A) mm	For pipes outside Ø (B)	Size	Material nuts	Unit piece	Price EURO
93012047	0.6 - 1	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	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

MULTIFIT®-Stopcock made of PTFE for Tubing of the Same Size with Cap Nut made of Stainless Steel**Technical specification**

- **Material:**
Body and plug: PTFE
Cap nuts: stainless steel
- **Connection:** for tubing (pipes) of the same outside Ø



Item	For pipes outside Ø inch	Nominal width mm	L mm	h mm	H mm	Price EURO
60091	1/8"	1	48	24	44	141.00
60092	3/16"	1	54	24	44	161.00
60093	3/16"	2	54	24	44	161.00
60094	3/16"	3	54	24	44	161.00
60095	1/4"	1	54	24	44	169.00
60096	1/4"	2	54	24	44	169.00
60097	1/4"	3	54	24	44	169.00
60098	5/16"	1	54	24	44	179.00
60099	5/16"	2	54	24	44	179.00
60100	5/16"	3	54	24	44	179.00
60101	5/16"	4	59	31	52	195.00
60102	5/16"	5	59	31	52	195.00
60103	3/8"	4	59	31	52	200.00
60104	3/8"	5	59	31	52	200.00
60105	1/2"	4	59	31	52	205.00
60106	1/2"	5	59	31	52	205.00

THOMAFLUID®-High-Quality Ball Cocks

General product specification

- THOMAFLUID®-ball cocks (ball with through bore) with rotary handle are available in numerous variations.
- Two types are available: the block construction EMP-A6 (parts 28880), and the compact cocks EMP-L6 (parts 304871).
- The type EMP-L6 is produced cost-effectively by injection moulding, providing a remarkable manageability and compactness of the cock body.
- The block construction EMP-A6 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.
- The ball cocks are designed for max. 10 bar (at +20 °C).
- 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 G 1/2" and G 1/4" 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
- Good resistance to alcohols, ketones, conc. acids and alkalis
- Not stable to aromatic hydrocarbons, fats and oils, halogenes
- Colour: grey
- 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: 0.01 %

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 +220 °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

THOMAFUID®-High-Chem Ball Cock made of PTFE - block construction

Product specification

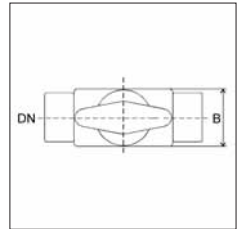
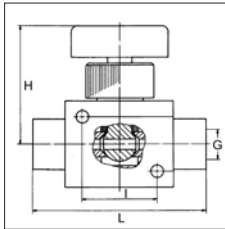
- Robust straight-way ball cock, block construction, made of highly chemical-resistant PTFE (polytetrafluoroethylene).
- Ball is embedded in the casing bed, which has the same shape as the ball.
- Ball and stem are manufactured in one piece, therefore double bearing of the ball in the casing bed on the 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 stainless 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)

Item	L mm	H mm	h mm	l mm	d mm	D mm
28880	80	55	20	36	6.6	25
28882	80	55	20	36	6.6	25
28886	120	78	30	45	6.6	45
304023	120	78	30	45	6.6	45



Item	Nominal width mm	Internal thread	Price EURO
28880	4	G 1/4"	266.00
28882	6	G 1/4"	266.00
28886	8	G 1/2"	666.00
304023	10	G 1/2"	666.00

THOMAFUID®-High-Quality Ball Cock made of PP/PVDF/PFA - injection-molded

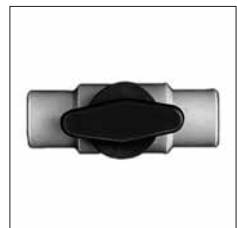
Product specification

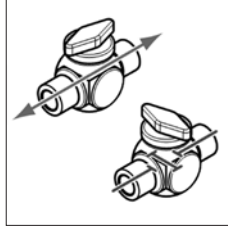
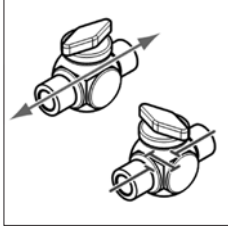
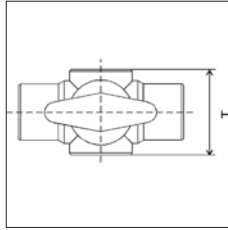
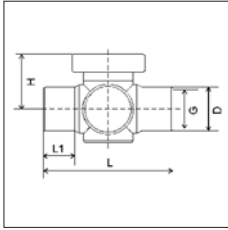
- Light type, produced by the injection-moulding process.
- Ball with stem is both centered and sealed by sealing sleeves, thus ensuring optimal sealing of the ball to the connections and preventing an undesired leakage of the medium.
- Highest media resistance is guaranteed by housing alternatively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

Technical specification

• **Material:**

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





Item	Nominal width mm	Internal thread	Max. flow rate liquids ¹ l/h	Material	Price EURO
304871	2	G 1/16"	100	PP	72.00
304872	2	G 1/16"	100	PVDF	108.00
304873	2	G 1/16"	100	PFA	276.00
304874	3	G 1/8"	500	PP	72.00
304875	3	G 1/8"	500	PVDF	108.00
304897	3	G 1/8"	500	PFA	266.00
42996	4	G 1/4"	610	PP	72.00
304000	4	G 1/4"	610	PVDF	108.00
304002	4	G 1/4"	610	PFA	266.00
304876	6	G 1/4"	900	PP	72.00
304877	6	G 1/4"	900	PVDF	108.00
304878	6	G 1/4"	900	PFA	266.00
304879	8	G 1/2"	1,900	PP	138.00
304880	8	G 1/2"	1,900	PVDF	312.00
43000	10	G 1/2"	3,900	PP	158.00
304001	10	G 1/2"	3,900	PVDF	312.00
304003	10	G 1/2"	3,900	PFA	594.00

¹ Water (+20 °C)

General technical specification

- **Media:** for neutral and aggressive media
- **Max. operating pressure:** 16 bar (at +20 °C water)
- **Temperature range:**
PVC-U: 0 to +60 °C
PP: +5 to +80 °C
PVDF: -30 to +140 °C
EPDM: -30 to +140 °C
FPM: -30 to +140 °C
- **Construction size:** DN 10 to DN 50
- **Examinations:** DIN 3230, DIN 3441, DIN 3442, DIN 16962 and DIN 8063
- **Information:** Plastic and elastomer components are not resistant to synthetic or mineral oils, solvents and detergents.

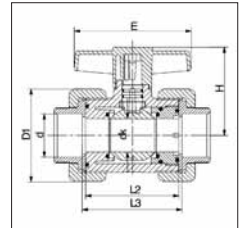
THOMAFUID®-Industrial Ball Valve made of PVC-U

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



THOMAFUID®-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.
- 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

Item	Connection type	Nominal width mm	Max. op. pressure ¹ bar	Material gasket	Price EURO
350322	cementing socket 16 mm	10	16	EPDM	58.00
350323	cementing socket 20 mm	15	16	EPDM	60.00
350324	cementing socket 25 mm	20	16	EPDM	68.00
350325	cementing socket 32 mm	25	16	EPDM	76.00
350326	cementing socket 40 mm	32	16	EPDM	94.00
350327	cementing socket 50 mm	40	16	EPDM	120.00

Item	Connection type	Nominal width mm	Max. op. pressure ¹ bar	Material gasket	Price EURO
350328	cementing socket 63 mm	50	16	EPDM	138.00
350329	GRP flange 16 mm	10	16	EPDM	94.00
350330	GRP flange 20 mm	15	16	EPDM	98.00
350331	GRP flange 25 mm	20	16	EPDM	110.00
350332	GRP flange 32 mm	25	16	EPDM	128.00
350333	GRP flange 40 mm	32	16	EPDM	142.00
350334	GRP flange 50 mm	40	16	EPDM	174.00
350335	GRP flange 63 mm	50	16	EPDM	216.00
350336	PE spigot 16 mm	10	10	EPDM	74.00
350337	PE spigot 20 mm	15	10	EPDM	78.00
350338	PE spigot 25 mm	20	10	EPDM	78.00
350339	PE spigot 32 mm	25	10	EPDM	96.00
350340	PE spigot 40 mm	32	10	EPDM	120.00
350341	PE spigot 50 mm	40	10	EPDM	142.00
350342	PE spigot 63 mm	50	10	EPDM	172.00
350343	cementing socket 16 mm	10	16	FPM	72.00
350344	cementing socket 20 mm	15	16	FPM	76.00
350345	cementing socket 25 mm	20	16	FPM	80.00
350346	cementing socket 32 mm	25	16	FPM	96.00
350347	cementing socket 40 mm	32	16	FPM	118.00
350348	cementing socket 50 mm	40	16	FPM	136.00
350349	cementing socket 63 mm	50	16	FPM	178.00
350350	GRP flange 16 mm	10	16	FPM	108.00
350351	GRP flange 20 mm	15	16	FPM	110.00
350352	GRP flange 25 mm	20	16	FPM	122.00
350353	GRP flange 32 mm	25	16	FPM	138.00
350354	GRP flange 40 mm	32	16	FPM	166.00
350355	GRP flange 50 mm	40	16	FPM	198.00
350356	GRP flange 63 mm	50	16	FPM	260.00
350357	PE spigot 16 mm	10	10	FPM	68.00
350358	PE spigot 20 mm	15	10	FPM	72.00
350359	PE spigot 25 mm	20	10	FPM	82.00
350360	PE spigot 32 mm	25	10	FPM	96.00
350361	PE spigot 40 mm	32	10	FPM	120.00
350362	PE spigot 50 mm	40	10	FPM	142.00
350363	PE spigot 63 mm	50	10	FPM	172.00

¹ at +20 °C

THOMAFLUID®-Industrial Ball Valve made of PP

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)

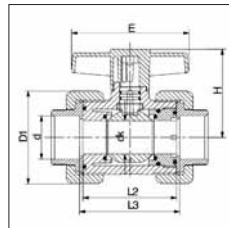
Insert: PP (polypropylene)

Ball seal: PTFE (polytetrafluoroethylene)

Sealing elements: EPDM (ethylene-propylene-diene rubber), FPM (fluorinated rubber)

Hand lever: PP (polypropylene)

• Connection: welded socket, GRP flange or PE spigot



Item	Connection type	Nominal width mm	Max. op. pressure ¹ bar	Material gasket	Price EURO
350364	welded socket 16 mm	10	10	EPDM	68.00
350365	welded socket 20 mm	15	10	EPDM	72.00
350366	welded socket 25 mm	20	10	EPDM	82.00
350367	welded socket 32 mm	25	10	EPDM	98.00
350368	welded socket 40 mm	32	10	EPDM	118.00
350369	welded socket 50 mm	40	10	EPDM	142.00
350370	welded socket 63 mm	50	10	EPDM	178.00
350371	GRP flange 16 mm	10	10	EPDM	122.00
350372	GRP flange 20 mm	15	10	EPDM	128.00
350373	GRP flange 25 mm	20	10	EPDM	138.00
350374	GRP flange 32 mm	25	10	EPDM	148.00
350375	GRP flange 40 mm	32	10	EPDM	184.00
350376	GRP flange 50 mm	40	10	EPDM	218.00
350377	GRP flange 63 mm	50	10	EPDM	286.00
350378	PP spigot 20 mm	15	10	EPDM	82.00
350379	PP spigot 25 mm	20	10	EPDM	96.00
350380	PP spigot 32 mm	25	10	EPDM	114.00
350381	PP spigot 40 mm	32	10	EPDM	128.00
350382	PP spigot 50 mm	40	10	EPDM	164.00
350383	PP spigot 63 mm	50	10	EPDM	206.00
350384	PE spigot 20 mm	15	10	EPDM	82.00
350385	PE spigot 25 mm	20	10	EPDM	96.00
350386	PE spigot 32 mm	25	10	EPDM	114.00
350387	PE spigot 40 mm	32	10	EPDM	128.00
350388	PE spigot 50 mm	40	10	EPDM	164.00
350389	PE spigot 63 mm	50	10	EPDM	206.00

Item	Connection type	Nominal width mm	Max. op. pressure ¹ bar	Material gasket	Price EURO
350390	welded socket 16 mm	10	10	FPM	80.00
350391	welded socket 20 mm	15	10	FPM	82.00
350392	welded socket 25 mm	20	10	FPM	86.00
350393	welded socket 32 mm	25	10	FPM	122.00
350394	welded socket 40 mm	32	10	FPM	132.00
350395	welded socket 50 mm	40	10	FPM	166.00
350396	welded socket 63 mm	50	10	FPM	224.00
350397	GRP flange 16 mm	10	10	FPM	124.00
350398	GRP flange 20 mm	15	10	FPM	128.00
350399	GRP flange 25 mm	20	10	FPM	142.00
350400	GRP flange 32 mm	25	10	FPM	170.00
350401	GRP flange 40 mm	32	10	FPM	214.00
350402	GRP flange 50 mm	40	10	FPM	252.00
350403	GRP flange 63 mm	50	10	FPM	332.00
350404	PP spigot 20 mm	15	10	FPM	102.00
350405	PP spigot 25 mm	20	10	FPM	112.00
350406	PP spigot 32 mm	25	10	FPM	124.00
350407	PP spigot 40 mm	32	10	FPM	154.00
350408	PP spigot 50 mm	40	10	FPM	192.00
350409	PP spigot 63 mm	50	10	FPM	258.00
350410	PE spigot 20 mm	15	10	FPM	102.00
350411	PE spigot 25 mm	20	10	FPM	112.00
350412	PE spigot 32 mm	25	10	FPM	124.00
350413	PE spigot 40 mm	32	10	FPM	154.00
350414	PE spigot 50 mm	40	10	FPM	192.00
350415	PE spigot 63 mm	50	10	FPM	258.00

¹ at +20 °C

THOMAFUID®-Industrial Ball Valve made of PVDF

Product specification

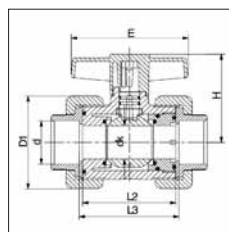
- Resistant to UV and weather, also usable in the outside area
- Corrosion-resistant
- High impact resistance, even in cold
- High mechanical stability
- Very good chemical resistance
- Good temperature resistance

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)
 Hand lever: PVDF (polyvinylidene fluoride)

- **Connection:** welded socket or PVDF steel flange



Item	Connection type	Nominal width mm	Max. op. pressure ¹ bar	Material gasket	Price EURO
350430	welded socket 16 mm	10	16	FPM	124.00
350431	welded socket 20 mm	15	16	FPM	130.00
350432	welded socket 25 mm	20	16	FPM	162.00
350433	welded socket 32 mm	25	16	FPM	208.00
350434	welded socket 40 mm	32	16	FPM	270.00
350435	welded socket 50 mm	40	16	FPM	356.00
350436	welded socket 63 mm	50	16	FPM	498.00
350438	PVDF/steel flange 20 mm	15	16	FPM	256.00
350439	PVDF/steel flange 25 mm	20	16	FPM	310.00
350440	PVDF/steel flange 32 mm	25	16	FPM	380.00
350441	PVDF/steel flange 40 mm	32	16	FPM	548.00
350442	PVDF/steel flange 50 mm	40	16	FPM	720.00
350443	PVDF/steel flange 63 mm	50	16	FPM	988.00

¹ at +20 °C

THOMAFUID®-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
- 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:**
PVC-U: 0 to +60 °C
PP: +5 to +80 °C
EPDM: -30 to +140 °C
- **Construction size:** DN 20 to DN 50

THOMAFUID®-Industrial Compact Ball Valve
made of PP

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: PTFE (polytetrafluoroethylene)
Ball seal: EPDM (ethylene-propylene-diene rubber)
Hand lever: PP (polypropylene)
- **Connection:** PE welded socket



Item	Connection type	Nominal width mm	Max. op. pressure ¹ bar	Material gasket	Price EURO
350313	welded socket 20 mm	15	10	EPDM	55.00
350314	welded socket 25 mm	20	10	EPDM	67.00
350315	welded socket 32 mm	25	10	EPDM	88.00
350316	welded socket 40 mm	32	10	EPDM	106.00
350317	welded socket 50 mm	40	10	EPDM	133.00
350318	welded socket 63 mm	50	10	EPDM	169.00

¹ at +20 °C

THOMAFUID®-Industrial Compact Ball Valve
made of PVC-U

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: PTFE (polytetrafluoroethylene)
Ball seal: EPDM (ethylene-propylene-diene rubber)
Hand lever: PVC-U (rigid PVC, polyvinyl chloride)
- **Connection:** cementing socket



Item	Connection type	Nominal width mm	Max. op. pressure ¹ bar	Material gasket	Price EURO
350307	cementing socket 20 mm	15	16	EPDM	55.00
350308	cementing socket 25 mm	20	16	EPDM	67.00
350309	cementing socket 32 mm	25	16	EPDM	88.00
350310	cementing socket 40 mm	32	16	EPDM	106.00
350311	cementing socket 50 mm	40	16	EPDM	133.00
350312	cementing socket 63 mm	50	16	EPDM	169.00

¹ at +20 °C

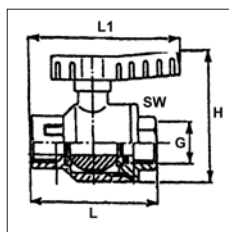
THOMAFUID®-Ball Valve made of PP

Product specification

- With red rotary handle and cylindrical G-internal thread on both sides
- Suitable for solidifying media

Technical specification

- **Material:** made of glass fibre reinforced PP (polypropylene)
- **Colour:** black
- **Gasket:** FPM (fluorinated rubber) and PTFE (polytetrafluoroethylene)
- **Max. operating pressure:** 4 bar at +20 °C
- **Temperature range:** -20 to +80 °C



Item	Nominal width mm	Internal thread	L mm	L1 mm	H mm	Price EURO
14288	15	G 1/2"	75	93	78	85.00
14289	20	G 3/4"	83	109	87	95.00
14290	25	G 1"	93	133	96	118.00

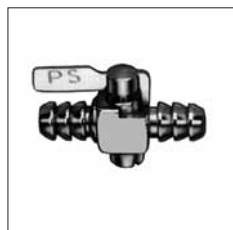
Item	For tubing inside Ø mm	For tubing outside Ø mm	Nominal width mm	Unit piece	Price EURO
15582	0.25 - 0.65	1.1	0.5	1	74.00
15583	0.65 - 0.9	1.5	0.8	1	74.00
15584	1 - 1.3	1.9	1.3	1	74.00
15585	1.6 - 1.8	2.7	1.8	1	74.00
15586	2 - 2.7	3.7	2.4	1	74.00

Metals

THOMAFLUID®-Luer-Stopcock for Flexible Tubing

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.



15580



15581

Item	Connection type	Unit piece	Price EURO
15579	nozzle 6.0 mm	1	75.00
15580	nozzle 8.0 mm	1	75.00
15581	female Luer-Lock, nozzle 1.6 - 2.4 mm	1	71.00

THOMAFLUID®-Luer Stopcock for Rigid Plastic Tubing

Product specification

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

THOMAFLUID®-Luer Stopcock

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.



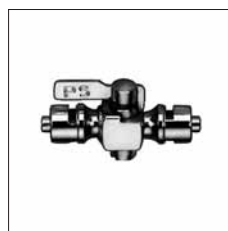
15573



15574



15575



15576

Item	Connection type	Unit piece	Price EURO
15573	female Luer-Lock, male Luer	1	66.00
15574	female Luer-Lock, female Luer-Lock	1	71.00
15575	female Luer-Lock, male Luer-Lock	1	73.00
15576	male Luer-Lock, male Luer-Lock	1	81.00

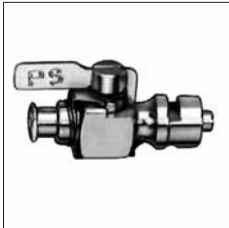
THOMAFUID®-Luer Stopcock with Clip

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“.



15657



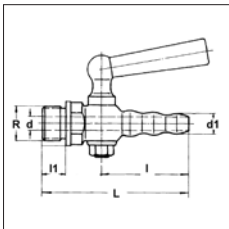
15658

Item	Connection type	Unit piece	Price EURO
15657	female Luer-Lock, male Luer	1	137.00
15658	female Luer-Lock, male Luer-Lock	1	147.00

THOMAFUID®-Stopcock made of Stainless Steel with Hose Nozzles

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 stainless steel (1.4571): -5 to +130 °C.

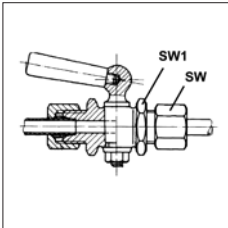


Item	External thread	Nominal width mm	d1 mm	l1 mm	L mm	Unit piece	Price EURO
54518	R 1/4"	4	8	10	67	1	108.00
54519	R 3/8"	6	10	12	78	1	133.00
54520	R 1/2"	8	12	14	89	1	164.00
54521	R 3/4"	12	18	16	112	1	225.00
54522	R 1"	14	24	20	252	1	323.00

THOMAFUID®-Stopcock made of Stainless Steel for Pipes

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 stainless steel (1.4571): -5 to +130 °C.

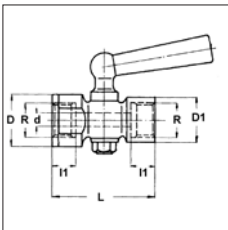


Item	For pipes outside Ø mm	Nominal width mm	WAF (SW) mm	WAF1 (SW1) mm	Unit piece	Price EURO
10749	8	6	19	24	1	254.00

THOMAFUID®-Stopcock made of Stainless Steel with Internal Thread

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 stainless steel (1.4571): -5 to +130 °C.

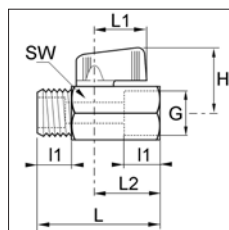


Item	Internal thread	Nominal width mm	D1 mm	l1 mm	Unit piece	Price EURO
54523	R 1/4"	4	17	10	1	116.00
54524	R 3/8"	6	22	12	1	128.00
54525	R 1/2"	8	26	14	1	149.00
54526	R 3/4"	12	32	16	1	190.00
54527	R 1"	15	41	20	1	307.00

THOMAFUID®-Ball Valve made of Brass or Stainless Steel

Product specification

- Two-Way ball valve with through bore 1/4" (6.4 mm), made of brass or stainless steel 1.4401 (SS 316, US standard), with PTFE gasket for connection of standard capillaries.
- Maximum operating pressure for both types: 105 bar.
- Fitted with bite-type fitting joint on both sides. This method of sealing ensures almost zero dead volume.

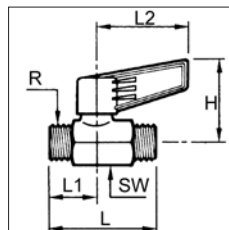


Item	Internal thread	External thread	Nominal width mm	I1 mm	L mm	Price EURO
46450	G 1/4"	G 1/4"	8	11	41.5	15.00
46451	G 3/8"	G 3/8"	8	11	41.5	15.00
46452	G 1/2"	G 1/2"	10	13	49	15.00

THOMAFUID®-Ball Cock made of Brass - external thread

Product specification

- Spigot on both sides, R-cylinder pipe thread; control knob



Item	External thread	Nominal width mm	L mm	L1 mm	WAF (SW) mm	Price EURO
46444	R 3/8"	7	44	22	21	29.00
46445	R 1/2"	10	53	22	21	35.00
46446	R 3/4"	13	59	26	25	46.00

THOMAFUID®-Ball Cocks made of Brass, polished

Application area

- 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.

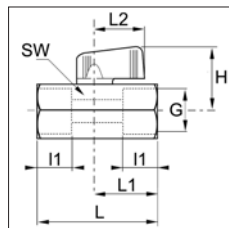
General technical specification

- **Material:**
Cock plug: brass, polished
Housing: brass, compression moulded and nickel-plated
Ball seal: PTFE
Stem seal: FPM
Control handle: polyamide, black
- **Max. operating pressure:** 15 bar
- **Stop:** 90°
- **Flow direction:** arbitrary
- **Temperature range:** -20 °C to +100 °C
- **Weight:** <140 g

THOMAFUID®-Ball Cock made of Brass - external / internal thread

Product specification

- Spigot on one side, sleeve on the other side, G-thread, control knob

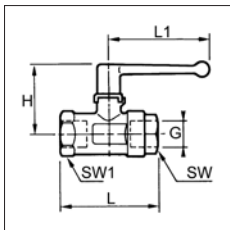


Item	Internal thread	Nominal width mm	H mm	I1 mm	L mm	L1 mm	L2 mm	Price EURO
46447	G 1/4"	8	31	11	41.5	22	22.5	15.00
46448	G 3/8"	8	31	11	41.5	22	22.5	15.00
46449	G 1/2"	10	33	13	49	26	22.5	15.00

THOMAFLUID®-Ball Cock made of Brass - internal thread

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.



Item	Internal thread	Nominal width mm	L mm	L1 mm	H mm	Price EURO
46305	G 1/8"	4	44	48	35	23.00
46306	G 1/8"	7	51	48	38	26.00
46307	G 1/4"	7	53	48	38	23.00
46308	G 3/8"	10	59	69	45	27.00
46309	G 1/2"	13	67	69	47	31.00
46310	G 3/4"	20	80	108	63	51.00
46312	G 1"	23	94	108	67	73.00
46314	G 1 1/4"	32	112	180	97	157.00
46315	G 1 1/2"	32	120	180	97	184.00
46316	G 1 1/2"	40	111	190	104	281.00
46317	G 2"	40	122	190	104	291.00

THOMAFLUID®-Ball Cocks made of Brass, hard-chrome plated

Application area

- 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, maintenance-free straight-way ball cock, DVGW-approved, sleeves on both sides, R-connecting thread according to DIN 259/DIN 2999.

General technical specification

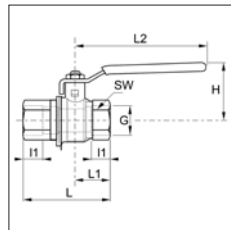
- Material:**
Cock plug: brass, hard-chrome plated
Housing: brass, compression moulded, sand-blasted, and nickel-plated
Control shaft: brass, nickel-plated
Seals and ball seats: PTFE/FPM
Control handle: steel, zinc-plated and plasticized

- Stop: 90°
- Temperature range: -40 to +170 °C

THOMAFLUID®-Ball Cock made of Brass - Standard

Product specification

- Straight-way cock, sleeves on both sides, G-cylinder pipe thread



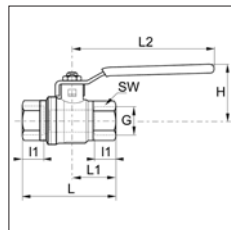
Item	Internal thread	Nominal width mm	Max. op. pressure ¹ bar	I1 mm	L mm	Price EURO
46428	G 1/4"	8	30	12	50	19.00
46429	G 3/8"	10	30	12	60	19.00
46430	G 1/2"	15	30	15.5	75	23.00
46431	G 3/4"	20	30	17	80	30.00
46432	G 1"	25	30	21	90	43.00
46433	G 1 1/4"	32	30	23	110	59.00
46434	G 1 1/2"	40	30	23	120	82.00
46435	G 2"	50	30	26.5	140	115.00

¹ at +20 °C

THOMAFLUID®-Ball Cock made of Brass - High-Pressure

Product specification

- Sieves on both sides, G-cylinder pipe thread, increased pressure resistance



Item	Internal thread	Nominal width mm	Max. op. pressure ¹ bar	I1 mm	L mm	Price EURO
46436	G 1/4"	8	65	12.5	50	19.00
46437	G 3/8"	10	65	12.5	60	20.00
46438	G 1/2"	15	65	15.5	75	25.00
46439	G 3/4"	20	40	18	80	31.00
46440	G 1"	25	40	21	90	45.00
46441	G 1 1/4"	32	30	23	110	62.00
46442	G 1 1/2"	40	30	24.5	120	84.00
46443	G 2"	50	30	26.5	140	123.00

¹ at +20 °C

Pneumatic Cocks

THOMAFUID®-Ball Cocks with Pneumatic Actuator

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 $90^\circ \pm 3^\circ$ 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 THOMAFUID®-/ MULTIFIT®- tubing connectors EMP-3 (parts 20246) or pipe connectors EMP-4 (parts 10642).



General technical specification

- **Material:**
Cock body: alternatively PTFE (polytetrafluoroethylene); PP (polypropylene); PVDF (polyvinylidene fluoride); PFA (perfluoroalkoxy)
O-ring: FPM (fluorinated rubber)
Cock sealing sleeves: PTFE (polytetrafluoroethylene)
Actuator housing: PP (polypropylene), glass fibre reinforced
- **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)
- B: single acting (SA) with spring return, normally open (NO)
- C: single acting (SA) with spring return, normally closed (NC)

Rotational angle: $90^\circ \pm 3^\circ$

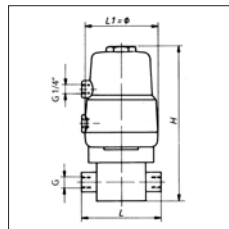
Switching time: 1 - 2 seconds / 90°

Max. temperature: $+60^\circ\text{C}$

THOMAFUID®-High-Quality 2-Way Ball Valve with Pneumatic Actuator - injection-molded

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®-EMP-L6, parts 304871.

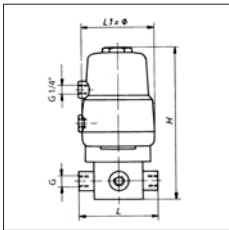


Item	Nominal width mm	Internal thread	L1 mm	H mm	Control function	Material	Price EURO
304957	4	G 1/4"	70	146	A	PP	488.00
304958	4	G 1/4"	70	146	B	PP	488.00
304959	4	G 1/4"	70	146	C	PP	488.00
304960	10	G 1/2"	96	177.5	A	PP	668.00
304961	10	G 1/2"	96	177.5	B	PP	668.00
304962	10	G 1/2"	96	177.5	C	PP	668.00
304963	4	G 1/4"	70	146	A	PVDF	532.00
304964	4	G 1/4"	70	146	B	PVDF	532.00
304965	4	G 1/4"	70	146	C	PVDF	532.00
304966	10	G 1/2"	96	177.5	A	PVDF	812.00
304967	10	G 1/2"	96	177.5	B	PVDF	812.00
304968	10	G 1/2"	96	177.5	C	PVDF	812.00
304969	4	G 1/4"	70	146	A	PFA	654.00
304970	4	G 1/4"	70	146	B	PFA	654.00
304971	4	G 1/4"	70	146	C	PFA	654.00
304972	10	G 1/2"	96	177.5	A	PFA	980.00
304973	10	G 1/2"	96	177.5	B	PFA	980.00
304974	10	G 1/2"	96	177.5	C	PFA	980.00

THOMAFUID®-High-Quality 3-Way Ball Valve with Pneumatic Actuator - injection-molded

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®-EMP-L6, parts 304881.

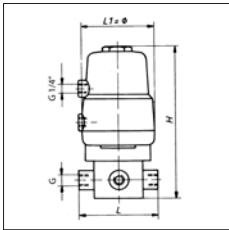


Item	Nominal width mm	Internal thread	L1 mm	H mm	Control function	Material	Price EURO
304975	4	G 1/4"	70	146	A	PP	520.00
304976	4	G 1/4"	70	146	B	PP	520.00
304977	4	G 1/4"	70	146	C	PP	520.00
304978	10	G 1/2"	96	177.5	A	PP	720.00
304979	10	G 1/2"	96	177.5	B	PP	720.00
304980	10	G 1/2"	96	177.5	C	PP	720.00
304981	4	G 1/4"	70	146	A	PVDF	550.00
304982	4	G 1/4"	70	146	B	PVDF	550.00
304983	4	G 1/4"	70	146	C	PVDF	550.00
304984	10	G 1/2"	96	177.5	A	PVDF	924.00
304985	10	G 1/2"	96	177.5	B	PVDF	924.00
304986	10	G 1/2"	96	177.5	C	PVDF	924.00
304987	4	G 1/4"	70	146	A	PFA	714.00
304988	4	G 1/4"	70	146	B	PFA	714.00
304989	4	G 1/4"	70	146	C	PFA	714.00
304990	10	G 1/2"	96	177.5	A	PFA	1,192.00
304991	10	G 1/2"	96	177.5	B	PFA	1,192.00
304992	10	G 1/2"	96	177.5	C	PFA	1,192.00

THOMAFUID®-High-Quality 4-Way Ball Valve with Pneumatic Actuator - injection-molded

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®-EMP-L6, parts 304881.



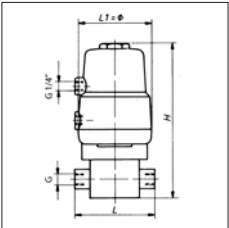
Item	Nominal width mm	Internal thread	L1 mm	H mm	Control function	Material	Price EURO
304993	4	G 1/4"	70	146	A	PP	562.00
304994	4	G 1/4"	70	146	B	PP	562.00
304995	4	G 1/4"	70	146	C	PP	562.00
304996	6	G 1/2"	96	177.5	A	PP	828.00

Item	Nominal width mm	Internal thread	L1 mm	H mm	Control function	Material	Price EURO
304997	6	G 1/2"	96	177.5	B	PP	828.00
304998	6	G 1/2"	96	177.5	C	PP	828.00
304999	4	G 1/4"	70	146	A	PVDF	584.00
305000	4	G 1/4"	70	146	B	PVDF	584.00
305001	4	G 1/4"	70	146	C	PVDF	584.00
305002	6	G 1/2"	96	177.5	A	PVDF	948.00
305003	6	G 1/2"	96	177.5	B	PVDF	948.00
305004	6	G 1/2"	96	177.5	C	PVDF	948.00
305005	4	G 1/4"	70	146	A	PFA	802.00
305006	4	G 1/4"	70	146	B	PFA	802.00
305007	4	G 1/4"	70	146	C	PFA	802.00
305008	6	G 1/2"	96	177.5	A	PFA	1,232.00
305009	6	G 1/2"	96	177.5	B	PFA	1,232.00
305010	6	G 1/2"	96	177.5	C	PFA	1,232.00

THOMAFUID®-High-Chem 2-Way Ball Valve made of PTFE with Pneumatic Actuator - block construction

Product specification

- 2-way valve, completely made of PTFE, with through bore
- Complete unit with pneumatic actuator
- Valve body identical to ball valve of the type MULTIFIT®-EMP-A6 (block construction), parts 28880.
- The threaded sleeves are reinforced by stainless steel rings

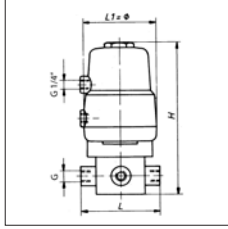


Item	Nominal width mm	Internal thread	L mm	L1 mm	H mm	Control function	Price EURO
28912	4	G 1/4"	80	72	155	A	724.00
304935	4	G 1/4"	80	72	155	B	724.00
304936	4	G 1/4"	80	72	155	C	724.00
28914	6	G 1/4"	80	72	155	A	724.00
304937	6	G 1/4"	80	72	155	B	724.00
304938	6	G 1/4"	80	72	155	C	724.00
28918	8	G 1/2"	120	72	185	A	1,370.00
304939	8	G 1/2"	120	72	185	B	1,370.00
304940	8	G 1/2"	120	72	185	C	1,370.00
304941	10	G 1/2"	120	72	185	A	1,370.00
304942	10	G 1/2"	120	72	185	B	1,370.00
304943	10	G 1/2"	120	72	185	C	1,370.00

THOMAFUID®-High-Chem 3-Way Ball Valve **made of PTFE with Pneumatic Actuator -** **block construction**

Product specification

- 3-way valve, completely made of PTFE, with L-bore, horizontal
- Complete unit with pneumatic actuator
- Valve body identical to ball valve of the type MULTIFIT®-EMP-A6 (block construction), parts 28888.
- The threaded sleeves are reinforced by stainless steel rings

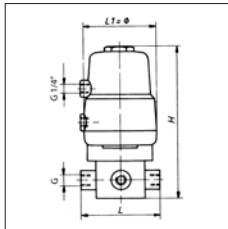


Item	No-minal width mm	Internal thread	L mm	L1 mm	H mm	Control function	Price EURO
28920	4	G 1/4"	80	72	155	A	788.00
304944	4	G 1/4"	80	72	155	B	788.00
304945	4	G 1/4"	80	72	155	C	788.00
28922	6	G 1/4"	80	72	155	A	788.00
304946	6	G 1/4"	80	72	155	B	788.00
304947	6	G 1/4"	80	72	155	C	788.00
28926	8	G 1/2"	120	72	185	A	1,484.00
304948	8	G 1/2"	120	72	185	B	1,484.00
304949	8	G 1/2"	120	72	185	C	1,484.00
304950	10	G 1/2"	120	72	185	A	1,484.00
304951	10	G 1/2"	120	72	185	B	1,484.00
304952	10	G 1/2"	120	72	185	C	1,484.00

THOMAFUID®-High-Chem 4-Way Ball Valve **made of PTFE with Pneumatic Actuator -** **block construction**

Product specification

- 4-way valve, completely made of PTFE, with double L-bore, horizontal
- Complete unit with pneumatic actuator
- Valve body identical to ball valve of the type MULTIFIT®-EMP-A6 (block construction), parts 28888.
- The threaded sleeves are reinforced by stainless steel rings

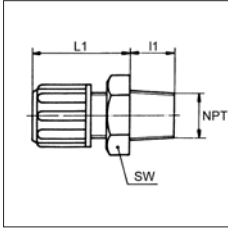


Item	No-minal width mm	Internal thread	L mm	L1 mm	H mm	Control function	Price EURO
28928	4	G 1/4"	80	72	155	A	1,144.00
304953	4	G 1/4"	80	72	155	B	1,144.00
304954	4	G 1/4"	80	72	155	C	1,144.00
28930	6	G 1/2"	80	72	155	A	1,928.00
304955	6	G 1/2"	80	72	155	B	1,928.00
304956	6	G 1/2"	80	72	155	C	1,928.00

THOMAFUID®-Straight Connector **with Male Thread made of PP/PVDF - short**

Product specification

- Straight, tubing connection on one side; male G-thread on the other side



Item	NW mm	External thread	I1 mm	WAF mm	Material	Unit piece	Price EURO
20246	4/6	G 1/4"	12	17	PP	10	46.00
20247	4/6	G 1/4"	12	17	PVDF	5	100.00
20252	4/6	G 1/2"	14	27	PP	10	116.00
20253	4/6	G 1/2"	14	27	PVDF	5	104.00
20258	6/8	G 1/4"	12	17	PP	10	116.00
20259	6/8	G 1/4"	12	17	PVDF	5	109.00
20264	6/8	G 1/2"	14	27	PP	10	126.00
20265	6/8	G 1/2"	14	27	PVDF	5	121.00
20270	6/10	G 1/4"	12	19	PP	10	126.00
20271	6/10	G 1/4"	12	19	PVDF	5	121.00
20276	6/10	G 1/2"	14	27	PP	10	133.00
20277	6/10	G 1/2"	14	27	PVDF	5	132.00
20282	8/10	G 1/4"	12	19	PP	10	133.00
20283	8/10	G 1/4"	12	19	PVDF	5	132.00
20288	8/10	G 1/2"	14	27	PP	10	133.00
20289	8/10	G 1/2"	14	27	PVDF	5	132.00
20294	8/12	G 1/4"	12	22	PP	10	164.00
20295	8/12	G 1/4"	12	22	PVDF	5	139.00
20300	8/12	G 1/2"	14	27	PP	10	187.00
20301	8/12	G 1/2"	14	27	PVDF	5	172.00
20306	10/14	G 1/4"	12	22	PP	10	229.00
20307	10/14	G 1/4"	12	22	PVDF	5	183.00
20312	10/14	G 1/2"	14	27	PP	10	246.00
20313	10/14	G 1/2"	14	27	PVDF	3	198.00

To provide you with the best possible information about the application areas of our products, we take great care to give you a detailed, precise and technically up-to-date description.

However, please note, that we cannot be held liable for any errors. Any values given are recommendations only that have been tested under normal conditions.

We suggest, that you test the product under the appropriate conditions determined by your specific use of the application.

If you need any help, we will gladly share our experiences with you to give you further assistance.

The prices in this handbook are valid for the currency area of the „European Union“ !

No minimum order.

Subject to technical and price change.

Our product range is clearly classified into four product groups and presented in detail in other handbooks.

THOMAFLUID® I-V
Hoses, dosing and connection technology

THOMAPLAST® I-V
Laboratory plastics, semi-finished products, closure and fastening elements and gaskets

THOMAPOR®
Separation technology

THOMADRIVE®
Drive technology

Examples of the extremely wide range of products are employed in virtually every sector of industry.

The spectrum extends from hoses and fluids technology through elastomers and semi-finished products, plastics and bonding technology to laboratories and filtration technology.

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