



Screw connections for hoses and pipes (PVDF/PFA)

The fittings are used to connect plastic tubes and pipes. Only screw fittings frequently used with our gas conditioning components are listed:

- Screw-in connections, straight and angled
- Female connectors, straight and angled
- Fork screw fittings
- T screw fittings
- Couplers, straight, T- and four-way
- Tube-pipe couplers, straight and angled
- Bulkhead couplings
- Sealing plug
- Spare parts

Please contact us for other types and dimensions!

Removable compressing fittings

Material: PVDF and PFA

G- and NPT threads; standard 1/8", 1/4", 3/8" and 1/2"

Metric hose and pipe sizes; standard DN 4/6, DN 5/8, DN 6/8, DN 8/12 and DN 10/12

US hose and pipe sizes; standard: 1/4"-1/8", 1/4"-1/6", 3/8"-1/4" and 1/2"-3/8"



General Technical Data



PVDF version:

With PVDF fittings the hose slides of a cylindrical connection piece and secured with a clamping collar and the knurled nut.



PFA version:

With PFA fittings the rigid tube slides over a cylindrical connection piece. When tightening the knurled nut, the gasket will seal the connection and a cutting ring secure it.

All specifications in this data sheet in mm, US specifications in parentheses!

Approved pressure varies by medium temperature

Max. rated pressure: 10 bar
 Medium temperature max. PVDF -40 °C to +140 °C
 PFA -65 °C to +200 °C

		Overview																		
Medium temperature	< 20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	°C
	< 68	86	104	122	140	158	176	194	212	230	248	266	284	302	320	338	356	374	392	°F
PVDF	10	8	7	6	5	4.5	4	3.5	3	2.5	2.5	2	1	-	-	-	-	-	-	bar
	145	116	101.5	87	72.5	65.25	58	50.75	43.5	36.25	36.25	29	14.5	-	-	-	-	-	-	psig
PFA	10	9	8.5	8	7	6	5	4.5	4	3.5	3.5	3	2.5	2	1.5	1	1	1	1	bar
	145	130.5	123.25	116	101.5	87	72.5	65.25	58	50.75	50.75	43.5	36.25	29	21.75	14.5	14.5	14.5	14.5	psig



Use in explosive areas (additional notices):

The products do not fall under Directive 2014/34/EU. However, they do meet the fundamental safety requirements of 2014/34/EU and are therefore suitable for use in explosive areas (Zone 1, explosion group II C).

DANGER

Use in explosive areas

Flammable gasses and dust could ignite or explode. Avoid the following hazard sources:

Electrostatic charge (sparking)!

Always clean plastic housing parts and decals with a damp cloth.

Keep the gas flow free from particles and drops.

Gas emanation!

Protect the equipment from external blows (shockproof installation).

Risk of fatal injury and explosion hazard from gas leaks due to improper use.

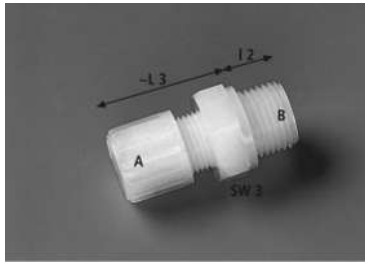
Close the shut-off valve (if applicable) to the process or switch off the process for maintenance. Protect yourself from hot and toxic gases. Wear gloves and face shield. Emergent gas can also be explosive. Run lines outside the work and traffic area.

Maximum surface temperature!

Please note the ignition temperatures of explosive gases as well as the maximum surface temperatures per the applicable directives and standards.



Straight screw-in connection



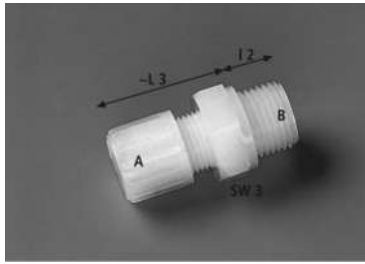
See table for dimensions

- A Hose dimensions
 - B Thread (external)
 - L3 Installation size
 - L2 Thread length
 - SW3 Spanner size
- Other dimensions available upon request

	A	B	L3 mm / (US)		L2 mm / (US)		SW3 mm / (US)		Item no. PVDF	Item no. PFA
Straight screw fitting Metric hose G thread	DN 4/6	G 1/8	23.5	(0.93)	8	(0.31)	14	(0.55)	4346054	43701003
		G 1/4	25	(0.98)	12	(0.47)	17	(0.67)	4346055	4346009
		G 3/8	26.5	(1.04)	12	(0.47)	22	(0.87)	4346056	4346010
		G 1/2	29	(1.14)	14	(0.55)	27	(1.06)	4346057	4346011
	DN 5/8	G 1/8	28.5	(1.12)	8	(0.31)	17	(0.67)	43701001	43701004
		G 1/4	29	(1.14)	12	(0.47)	17	(0.67)	4368083	43701005
		G 3/8	30.5	(1.20)	12	(0.47)	22	(0.87)	4368003	
		G 1/2	33	(1.30)	14	(0.55)	27	(1.06)	43701002	43701006
	DN 6/8	G 1/8	28.5	(1.12)	8	(0.31)	17	(0.67)	4368050	4368008
		G 1/4	29	(1.14)	12	(0.47)	17	(0.67)	4368051	4368009
		G 3/8	33	(1.30)	12	(0.47)	22	(0.87)	4368052	4368010
		G 1/2	28.5	(1.12)	14	(0.55)	27	(1.06)	4368053	4368011
	DN 8/12	G 1/4	37	(1.46)	12	(0.47)	22	(0.87)	4381045	4381008
		G 3/8	37.5	(1.48)	12	(0.47)	22	(0.87)	4381046	4381009
		G 1/2	40	(1.57)	14	(0.55)	27	(1.06)	4381047	4381010
	DN 10/12	G 3/8	37.5	(1.48)	12	(0.47)	22	(0.87)	4346095	43701007
G 1/2		40	(1.57)	14	(0.55)	27	(1.06)	4368086	43701008	

	A	B	L3 mm / (US)		L2 mm / (US)		SW3 mm / (US)		Item no. PVDF	Item no. PFA
Straight screw fitting Metric hose NPT thread	DN 4/6	NPT 1/8	22	(0.87)	10	(0.39)	12	(0.47)	4346058	4346016
		NPT 1/4	23	(0.91)	15	(0.59)	17	(0.67)	4346059	4346017
		NPT 3/8	24	(0.94)	15.3	(0.60)	19	(0.75)	4346060	4346018
		NPT 1/2	25	(0.98)	20	(0.79)	24	(0.94)	4346061	4346019
	DN 5/8	NPT 1/4	27	(1.06)	15	(0.59)	17	(0.67)	43460603	
		NPT 3/8	24	(0.94)	15.3	(0.60)	19	(0.75)	43460602	
		NPT 1/2	29	(1.14)	20	(0.79)	24	(0.94)	43701009	43701011
	DN 6/8	NPT 1/8	27	(1.06)	10	(0.39)	17	(0.67)	4368054	4368016
		NPT 1/4	27	(1.06)	15	(0.59)	17	(0.67)	4368055	4368017
		NPT 3/8	28	(1.10)	15.3	(0.60)	19	(0.75)	4368056	43701012
		NPT 1/2	29	(1.14)	20	(0.79)	24	(0.94)	4368057	43701013
	DN 8/12	NPT 1/4	35	(1.38)	15	(0.59)	22	(0.87)	4381048	4381014
		NPT 3/8	35	(1.38)	15.3	(0.60)	22	(0.87)	4381049	43701014
		NPT 1/2	36	(1.42)	20	(0.79)	24	(0.94)	4381050	43701015
	DN 10/12	NPT 3/8	35	(1.38)	15.3	(0.60)	22	(0.87)	43701010	43701016
		NPT 1/2	36	(1.42)	20	(0.79)	24	(0.94)	4369037	43701017

Straight screw-in connection



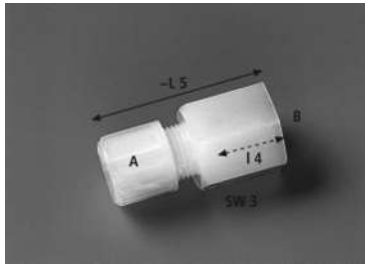
See table for dimensions

- A Hose dimensions
 - B Thread (external)
 - L3 Installation size
 - L2 Thread length
 - SW3 Spanner size
- Other dimensions available upon request

	A	B	L3 mm / (US)		L2 mm / (US)		SW3 mm / (US)		Item no. PVDF	Item no. PFA
Straight screw fitting US hose G thread	1/4"-1/8"	G 1/8	25.5	(1.00)	8	(0.31)	14	(0.55)	43701020	43701042
		G 1/4	27	(1.06)	12	(0.47)	17	(0.67)	4347010	43701043
		G 3/8	28.5	(1.12)	12	(0.47)	22	(0.87)	43701021	
		G 1/2	31	(1.22)	14	(0.55)	27	(1.06)	43701022	43701044
	1/4"-1/6"	G 1/8	25.5	(1.00)	8	(0.31)	14	(0.55)	43701023	43701045
		G 1/4	27	(1.06)	12	(0.47)	17	(0.67)	4347008	43701046
		G 3/8	28.5	(1.12)	12	(0.47)	22	(0.87)	43701025	43701047
		G 1/2	31	(1.22)	14	(0.55)	27	(1.06)	43701026	43701048
	3/8"-1/4"	G 1/4	35	(1.38)	12	(0.47)	19	(0.75)	43701027	43701049
		G 3/8	35.5	(1.40)	12	(0.47)	22	(0.87)	43701028	43701050
		G 1/2	38	(1.50)	14	(0.55)	27	(1.06)	43701029	43701051
	1/2"-3/8"	G 3/8	39.5	(1.56)	12	(0.47)	22	(0.87)	43701030	
G 1/2		42	(1.65)	14	(0.55)	27	(1.06)	43701031	43701052	

	A	B	L3 mm / (US)		L2 mm / (US)		SW3 mm / (US)		Item no. PVDF	Item no. PFA
Straight screw fitting US hose NPT thread	1/4"-1/8"	NPT 1/8	24	(0.94)	10	(0.39)	12	(0.47)	43701032	43701053
		NPT 1/4	25	(0.98)	15	(0.59)	17	(0.67)	43701033	43701054
		NPT 1/2	27	(1.06)	20	(0.79)	24	(0.94)	43701034	
	1/4"-1/6"	NPT 1/8	24	(0.94)	10	(0.39)	12	(0.47)	43701035	43701055
		NPT 1/4	25	(0.98)	15	(0.59)	17	(0.67)	43701036	43701056
		NPT 3/8	26	(1.02)	15.3	(0.60)	19	(0.75)		43701057
		NPT 1/2	27	(1.06)	20	(0.79)	24	(0.94)	43701037	
	3/8"-1/4"	NPT 1/4	33	(1.30)	15	(0.59)	19	(0.75)	43701038	43701058
		NPT 3/8	33	(1.30)	15.3	(0.60)	19	(0.75)	43701039	43701059
		NPT 1/2	34	(1.34)	20	(0.79)	24	(0.94)	43701040	43701060
	1/2"-3/8"	NPT 3/8	37	(1.46)	15.3	(0.60)	22	(0.87)		43701061
		NPT 1/2	38	(1.50)	20	(0.79)	27	(0.94)	43701041	43701062

Straight female connector



See table for dimensions

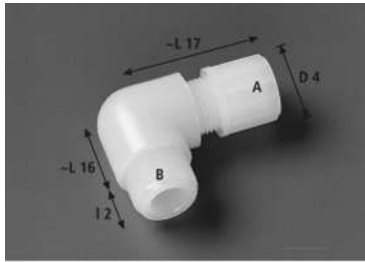
- A Hose dimensions
- B Thread (internal)
- L4 Thread length
- L5 Length
- SW3 Spanner size

Other dimensions available upon request

	A	B	L5 mm / (US)		L4 mm / (US)		SW3 mm / (US)		Item no. PVDF	Item no. PFA
Straight female connector Metric hose G thread	DN 4/6	G 1/8	31	(1.22)	10	(0.39)	14	(0.55)	4346062	4346024
		G 1/4	36	(1.42)	15	(0.59)	17	(0.67)	4346063	4346025
		G 3/8	36	(1.42)	15	(0.59)	22	(0.87)	4346064	4346026
		G 1/2	38	(1.50)	16	(0.63)	27	(1.06)	4346065	43708013
	DN 6/8	G 1/8	36	(1.42)	10	(0.39)	17	(0.67)	4368058	4368024
		G 1/4	41	(1.61)	15	(0.59)	17	(0.67)	4368059	4368025
		G 3/8	41	(1.61)	15	(0.59)	22	(0.87)	4368060	43708014
		G 1/2	42	(1.65)	16	(0.63)	27	(1.06)	4368061	4368074
	DN 8/12	G 1/4	48	(1.89)	15	(0.59)	22	(0.87)	4381051	4381041
		G 3/8	48	(1.89)	15	(0.59)	22	(0.87)	4381052	
		G 1/2	49	(1.93)	16	(0.63)	27	(1.06)	4381053	43708015
	DN 10/12	G 3/8	48	(1.89)	15	(0.59)	22	(0.87)	4368081	43708016
G 1/2		49	(1.93)	16	(0.63)	27	(1.06)	43708001	43708017	

	A	B	L5 mm / (US)		L4 mm / (US)		SW3 mm / (US)		Item no. PVDF	Item no. PFA
Straight female connector Metric hose NPT thread	DN 4/6	NPT 1/8	32	(1.26)	11.6	(0.46)	14	(0.55)	4346081	43708018
		NPT 1/4	38	(1.50)	16.4	(0.65)	17	(0.67)	43708002	43708019
		NPT 3/8	39	(1.54)	17.4	(0.69)	22	(0.87)	43708003	43708020
		NPT 1/2	47	(1.85)	22.6	(0.89)	27	(1.06)	43708004	43708021
	DN 6/8	NPT 1/8	35	(1.38)	11.6	(0.46)	19	(0.75)	43708005	
		NPT 1/4	41	(1.61)	16.4	(0.65)	19	(0.75)	43708006	43708022
		NPT 3/8	42	(1.65)	17.4	(0.69)	22	(0.87)	43708007	43708023
		NPT 1/2	48	(1.89)	22.6	(0.89)	27	(1.06)	43708008	43708024
	DN 8/12	NPT 1/4	48	(1.89)	16.4	(0.65)	24	(0.94)	43708009	
		NPT 1/2	53	(2.09)	22.6	(0.89)	27	(1.06)	43708010	
	DN 10/12	NPT 3/8	49	(1.93)	17.4	(0.69)	24	(0.94)	43708011	
		NPT 1/2	53	(2.09)	22.6	(0.89)	27	(1.06)	43708012	43708025

Elbow screw fitting



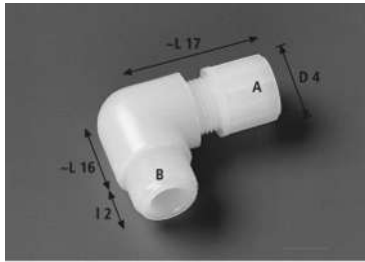
See table for dimensions

- A Hose dimensions
- B Thread (external)
- L16 Installation size
- L17 Angular dimension
- L2 Thread length
- Other dimensions available upon request

	A	B	L16 mm / (US)		L17 mm / (US)		L2 mm / (US)		Item no. PVDF	Item no. PFA
Elbow screw fitting Metric hose G thread	DN 4/6	G 1/8	12	(0.47)	25	(0.98)	8	(0.31)	4346068	4346034
		G 1/4	13	(0.51)	26	(1.02)	12	(0.47)	4346069	4346035
		G 3/8	19	(0.75)	29	(1.14)	12	(0.47)	4346070	43702009
		G 1/2	15	(0.59)	32	(1.26)	14	(0.55)	4346071	43702010
	DN 5/8	G 1/8	15	(0.59)	30	(1.18)	8	(0.31)	43702001	
		G 1/4	15	(0.59)	30	(1.18)	12	(0.47)	43702002	
		G 3/8	15	(0.59)	33	(1.30)	12	(0.47)	4368084	
		G 1/2	15	(0.59)	36	(1.42)	14	(0.55)	43702003	
	DN 6/8	G 1/8	15	(0.59)	30	(1.18)	8	(0.31)	4368064	43702011
		G 1/4	15	(0.59)	30	(1.18)	12	(0.47)	4368065	43702012
		G 3/8	15	(0.59)	33	(1.30)	12	(0.47)	4368066	43702013
		G 1/2	15	(0.59)	36	(1.42)	14	(0.55)	4368067	4368036
	DN 8/12	G 1/4	19	(0.75)	40	(1.57)	12	(0.47)	4381056	4381027
		G 3/8	19	(0.75)	40	(1.57)	12	(0.47)	4381057	
		G 1/2	19	(0.75)	43	(1.69)	14	(0.55)	4381058	43702014
	DN 10/12	G 3/8	19	(0.75)	40	(1.57)	12	(0.47)	43702004	43702015
G 1/2		19	(0.75)	43	(1.69)	14	(0.55)	4381085	43702016	

	A	B	L16 mm / (US)		L17 mm / (US)		L2 mm / (US)		Item no. PVDF	Item no. PFA
Elbow screw fitting Metric hose NPT thread	DN 4/6	NPT 1/8	12	(0.47)	25	(0.98)	10	(0.39)	4346072	43702017
		NPT 1/4	13	(0.51)	26	(1.02)	15	(0.59)	4346073	4346042
		NPT 3/8	15	(0.59)	29	(1.14)	15.3	(0.60)	4346074	4346043
		NPT 1/2	15	(0.59)	32	(1.26)	20	(0.79)	4346075	4346044
	DN 5/8	NPT 1/8	15	(0.59)	30	(1.18)	10	(0.39)	43702005	
		NPT 1/4	15	(0.59)	30	(1.18)	15	(0.59)	43702006	
		NPT 3/8	15	(0.59)	33	(1.30)	15.3	(0.60)	4368148	
	DN 6/8	NPT 1/8	15	(0.59)	30	(1.18)	10	(0.39)	4368068	43702018
		NPT 1/4	15	(0.59)	30	(1.18)	15	(0.59)	4368069	4368040
		NPT 3/8	15	(0.59)	33	(1.30)	15.3	(0.60)	4368070	4368041
		NPT 1/2	15	(0.59)	36	(1.42)	20	(0.79)	4368071	4368042
	DN 8/12	NPT 1/4	19	(0.75)	40	(1.57)	15	(0.59)	4381059	
		NPT 3/8	19	(0.75)	40	(1.57)	15.3	(0.60)	4381060	43702019
		NPT 1/2	21	(0.83)	40	(1.57)	20	(0.79)	4381061	
	DN 10/12	NPT 3/8	19	(0.75)	40	(1.57)	15.3	(0.60)	43702007	
		NPT 1/2	21	(0.83)	40	(1.57)	20	(0.79)	43702008	43702020

Elbow screw fitting



See table for dimensions

- A Hose dimensions
 - B Thread (external)
 - L16 Installation size
 - L17 Angular dimension
 - L2 Thread length
- Other dimensions available upon request

	A	B	L16 mm / (US)		L17 mm / (US)		L2 mm / (US)		Item no. PVDF	Item no. PFA
Elbow screw fitting US hose G thread	1/4"-1/8"	G 1/8	12	(0.47)	27	(1.06)	8	(0.31)	43702021	
		G 1/4	13	(0.51)	28	(1.10)	12	(0.47)	43702022	
		G 3/8	19	(0.75)	31	(1.22)	12	(0.47)	43702023	
	1/4"-1/6"	G 1/8	12	(0.47)	27	(1.06)	8	(0.31)	43702024	43702033
		G 1/4	13	(0.51)	28	(1.10)	12	(0.47)		43702034
		G 3/8	19	(0.75)	31	(1.22)	12	(0.47)		43702035
	3/8"-1/4"	G 1/4	17	(0.67)	38	(1.50)	12	(0.47)	43702025	43702036
		G 3/8	17	(0.67)	38	(1.50)	12	(0.47)	43702026	43702037
		G 1/2	17	(0.67)	41	(1.61)	14	(0.55)		43702038
	1/2"-3/8"	G 1/2	19	(0.75)	45	(1.77)	14	(0.55)	43702027	43702039

	A	B	L16 mm / (US)		L17 mm / (US)		L2 mm / (US)		Item no. PVDF	Item no. PFA
Elbow screw fitting US hose NPT thread	1/4"-1/8"	NPT 1/8	12	(0.47)	27	(1.06)	8	(0.31)		43702040
		NPT 1/4	13	(0.51)	28	(1.10)	12	(0.47)		43702041
	1/4"-1/6"	NPT 1/8	12	(0.47)	27	(1.06)	10	(0.39)	43702028	43702042
		NPT 1/4	13	(0.51)	28	(1.10)	15	(0.59)	43702029	43702043
		NPT 1/2	15	(0.59)	34	(1.34)	20	(0.79)		43702044
	3/8"-1/4"	NPT 1/4	17	(0.67)	38	(1.50)	15	(0.59)	43702030	43702045
		NPT 1/2	17	(0.67)	41	(1.61)	20	(0.79)	43702031	
	1/2"-3/8"	NPT 3/8	19	(0.75)	42	(1.65)	15.3	(0.60)		43702046
		NPT 1/2	21	(0.83)	42	(1.65)	15.3	(0.60)	43702032	43702047

Elbow fitting tube - pipe

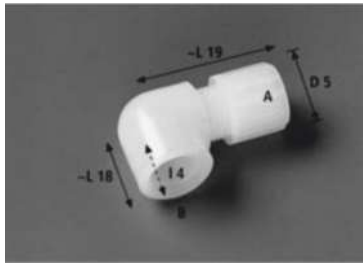


See table for dimensions

- A Hose dimensions
 - B Thread (internal)
 - L32 Angular dimension
 - L33 Installation size
 - SW Spanner size
- Other dimensions available upon request

	A	B	L32 mm / (US)		L33 mm / (US)		SW mm / (inch)		Item no. PVDF	Item no. PFA
Elbow coupler tube - pipe metric - metric	DN 4/6	6	39	(1.54)	26	(1.02)	17	(0.67)	4346086	43704005
		10	45	(1.77)	29	(1.14)	22	(0.87)	43704001	43704006
	DN 6/8	6	40	(1.57)	30	(1.18)	17	(0.67)	4368085	
		10	45	(1.77)	33	(1.30)	22	(0.87)	43704002	
	DN 10/12	10	45	(1.77)	43	(1.69)	22	(0.87)	43704003	
US - US	1/4"-1/8"	1/4"	39	(1.54)	26	(1.02)	17	(0.67)	43704004	43704007

Elbow female connector



See table for dimensions

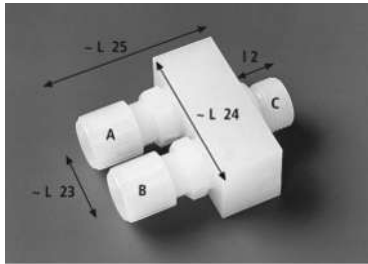
- A Hose dimensions
- B Thread (internal)
- L18 Installation size
- L19 Angular dimension
- L4 Thread length
- Other dimensions available upon request

	A	B	L18 mm / (US)		L19 mm / (US)		L4 mm / (US)		Item no. PVDF	Item no. PFA
Elbow female connector Metric hose G thread	DN 4/6	G 1/8	17	(0.67)	26	(1.02)	10	(0.39)	43703001	43703025
		G 1/4	20	(0.79)	29	(1.14)	15	(0.59)	43703002	43703026
		G 3/8	20	(0.79)	32	(1.26)	15	(0.59)	43703003	
		G 1/2	23	(0.91)	34	(1.34)	16	(0.63)	43703004	
	DN 6/8	G 1/8	17	(0.67)	30	(1.18)	10	(0.39)	43703005	43703027
		G 1/4	20	(0.79)	33	(1.30)	15	(0.59)	43703006	43703028
		G 3/8	20	(0.79)	36	(1.42)	15	(0.59)	43703007	
		G 1/2	23	(0.91)	38	(1.50)	16	(0.63)	43703008	43703029
	DN 8/12	G 1/4	20	(0.79)	40	(1.57)	10	(0.39)	43703009	
		G 3/8	20	(0.79)	43	(1.69)	15	(0.59)	43703010	43703030
		G 1/2	23	(0.91)	45	(1.77)	15	(0.59)	43703011	43703031
	DN 10/12	G 3/8	20	(0.79)	43	(1.69)	15	(0.59)	43703012	
G 1/2		23	(0.91)	45	(1.77)	16	(0.63)	43703013	43703032	

	A	B	L18 mm / (US)		L19 mm / (US)		L4 mm / (US)		Item no. PVDF	Item no. PFA
Elbow female connector Metric hose NPT thread	DN 4/6	NPT 1/8	20	(0.79)	26	(1.02)	11.6	(0.46)	43703014	43703033
		NPT 1/4	24	(0.94)	29	(1.14)	16.4	(0.65)	43703015	43703034
		NPT 1/2	32	(1.26)	34	(1.34)	22.6	(0.89)	43703016	
	DN 6/8	NPT 1/8	20	(0.79)	30	(1.18)	11.6	(0.46)	43703017	
		NPT 1/4	24	(0.94)	33	(1.30)	16.4	(0.65)	43703018	43703035
		NPT 3/8	26	(1.02)	36	(1.42)	17.4	(0.69)	43703019	
	DN 8/12	NPT 1/2	32	(1.26)	38	(1.50)	22.6	(0.89)	43703020	
		NPT 1/2	32	(1.26)	45	(1.77)	22.6	(0.89)	43703021	
	DN 10/12	NPT 1/2	32	(1.26)	45	(1.77)	22.6	(0.89)	43703022	43703036

	A	B	L18 mm / (US)		L19 mm / (US)		L4 mm / (US)		Item no. PVDF	Item no. PFA
Elbow female connector	1/4"-1/6"	G 1/8	17	(0.67)	32	(1.26)	10	(0.39)		43703040
		G 1/4	20	(0.79)	35	(1.38)	15	(0.59)	43703037	
US hose G thread	1/2"-3/8"	G 3/8	20	(0.79)	45	(1.77)	15	(0.59)	43703038	43703041
		G 1/2	23	(0.91)	47	(1.85)	16	(0.63)		43703042
US hose NPT thread	3/8"-1/4"	NPT 1/4	24	(0.94)	42	(1.65)	16.4	(0.65)	43703039	
	1/2"-3/8"	NPT 1/2	32	(1.26)	47	(1.85)	22.6	(0.89)		43703043

Fork screw fitting



See table for dimensions

A=B Hose dimensions

C Thread (external)

L24, 25 Spanner size

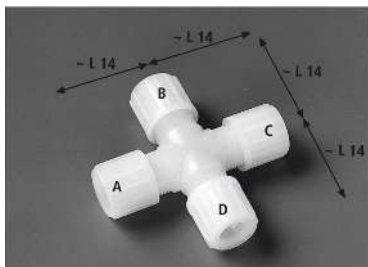
L23 Hose spacing

L2 Thread length

Other dimensions available upon request

	A=B	C	L23 mm / (US)		L24 mm / (US)		L25 mm / (US)		L2 mm / (US)		Item no. PVDF
Metric hose G thread	DN 4/6	G 1/8	20	(0.79)	40	(1.57)	43	(1.69)	8	(0.31)	43705001
		G 1/4	20	(0.79)	40	(1.57)	43	(1.69)	12	(0.47)	4346050
	DN 6/8	G 1/8	25	(0.98)	50	(1.97)	54.5	(2.15)	8	(0.31)	43705002
		G 1/4	25	(0.98)	50	(1.97)	54.5	(2.15)	12	(0.47)	43705003
Metric hose NPT thread	DN 4/6	NPT 1/8	20	(0.79)	40	(1.57)	43	(1.69)	10	(0.39)	43705004
		NPT 1/4	20	(0.79)	40	(1.57)	43	(1.69)	15	(0.59)	4346084
US hose NPT thread	1/4"-1/6"	NPT 1/4	20	(0.79)	40	(1.57)	45	(1.77)	15	(0.59)	43705005

4-way fitting, hose connection all ends



See table for dimensions

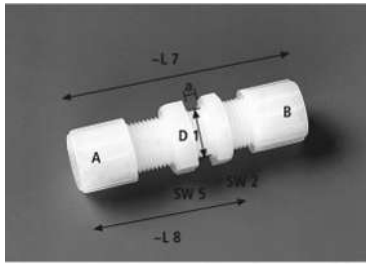
A=B=C=D Hose dimensions

L14 Dimensions

Other dimensions available upon request

	A=B=C=D	L14 mm / (US)		Item no. PVDF	Item no. PFA
Cross fitting metric	DN 4/6	25	(0.98)	4346077	4346048
	DN 6/8	33	(1.30)	4368073	
	DN 8/12	43	(1.69)	4381063	4381039
	DN 10/12	43	(1.69)	43714001	

Bulkhead coupling, hose connection both ends



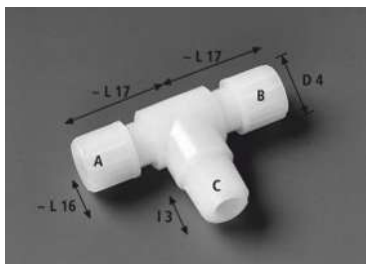
See table for dimensions

- A=B Hose dimensions
- D1 Hole diameter
- L7 Total length
- L8 Inside length
- SW2 Fixed spanner size
- SW5 Spanner size loose nut

Other dimensions available upon request

	A=B	D1		L7		L8		SW2		SW5		Item no.	Item no.
		mm / (US)		mm / (US)		mm / (US)		mm / (US)		mm / (US)		PVDF	PFA
Bulkhead couplings metric	DN 4/6	10.5	(0.41)	53	(2.09)	36	(1.42)	14	(0.55)	14	(0.55)	4346067	4346030
	DN 6/8	14.5	(0.57)	64	(2.52)	43	(1.69)	19	(0.75)	19	(0.75)	4368063	4368030
	DN 8/12	18.5	(0.73)	84	(3.31)	56	(2.20)	24	(0.94)	24	(0.94)	4381055	4381023
	DN 10/12	18	(0.71)	84	(3.31)	55	(2.17)	24	(0.94)	24	(0.94)	4381953	43713003
US	1/4"-1/8"	10	(0.39)	55	(2.17)	36	(1.42)	14	(0.55)	14	(0.55)	43713001	43713004
	1/4"-1/6"	10.5	(0.41)	57	(2.24)	38	(1.50)	14	(0.55)	14	(0.55)	4346087	43713005
	3/8"-1/4"	16.5	(0.65)	77	(3.03)	51	(2.01)	22	(0.87)	22	(0.87)	43713002	43713006

T-fitting



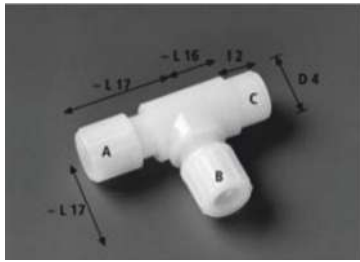
See table for dimensions

- A=B Hose dimensions
- C Thread (external)
- L16 Outside dimensions
- L17 Spacing
- L3 Thread length

Other dimensions available upon request

	A=B	C	L16		L17		L3		Item no.	Item no.
			mm / (US)		mm / (US)		mm / (US)		PVDF	PFA
Metric hose G thread	DN 4/6	G 1/8	20	(0.79)	26	(1.02)	8	(0.31)	4346079	43706008
		G 1/4	27	(1.06)	27	(1.06)	12	(0.47)	4346103	43706009
	DN 6/8	G 1/8	20	(0.79)	31	(1.22)	8	(0.31)	43706001	43706010
		G 1/4	27	(1.06)	31	(1.22)	12	(0.47)	43706002	43706011
Metric hose NPT thread	DN 4/6	NPT 1/8	12	(0.47)	26	(1.02)	10	(0.39)		43706012
		NPT 1/4	15	(0.59)	27	(1.06)	15	(0.59)		43706013
	DN 6/8	NPT 1/4	15	(0.59)	31	(1.22)	15	(0.59)		43706014
US hose G thread	1/4"-1/8"	G 1/4	15	(0.59)	30	(1.22)	12	(0.47)	43706003	
	1/4"-1/6"	G 1/8	20	(0.79)	28	(1.10)	8	(0.31)	43706004	
		G 1/4	27	(1.06)	29	(1.14)	12	(0.47)	43706005	
US hose NPT thread	1/4"-1/8"	NPT 1/8	12	(0.47)	30	(1.22)	10	(0.39)	43706006	
		NPT 1/4	15	(0.59)	30	(1.22)	15	(0.59)		43706015
	1/4"-1/6"	NPT 1/8	12	(0.47)	28	(1.10)	10	(0.39)	43706007	

T screw fitting (asymmetric)

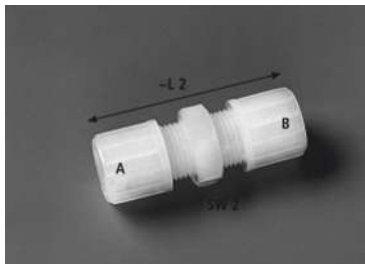


See table for dimensions

- A=B Hose dimensions
 - C Thread (internal)
 - L16 Outside dimensions
 - L17 Spacing
 - L2 Thread length
- Other dimensions available upon request

	A=B	C	L16 mm / (US)		L17 mm / (US)		L2 mm / (US)		Item no. PVDF	Item no. PFA
Metric hose G thread	DN 4/6	G 1/8	12	(0.47)	26	(1.02)	8	(0.31)	43707001	43707008
		G 1/4	15	(0.59)	27	(1.06)	12	(0.47)	4346078	43707009
	DN 6/8	G 1/8	12	(0.47)	31	(1.22)	8	(0.31)	43707002	
		G 1/4	15	(0.59)	31	(1.22)	12	(0.47)	43707003	
Metric hose NPT thread	DN 4/6	NPT 1/8	12	(0.47)	26	(1.02)	10	(0.39)	43707004	
		NPT 1/4	15	(0.59)	27	(1.06)	15	(0.59)	4346083	43707010
	DN 6/8	NPT 1/8	15	(0.59)	31	(1.22)	10	(0.39)	43707005	
		NPT 1/4	15	(0.59)	31	(1.22)	15	(0.59)	43707006	43707011
US hose G thread	1/4"-1/8"	G 1/4	15	(0.59)	29	(1.14)	12	(0.47)	43707007	
US hose NPT thread	1/4"-1/6"	NPT 1/4	15	(0.59)	29	(1.14)	17	(0.67)		43707012
	3/8"-1/4"	NPT 1/4	18	(0.71)	38	(1.50)	17	(0.67)		

Coupler, hose connection both ends

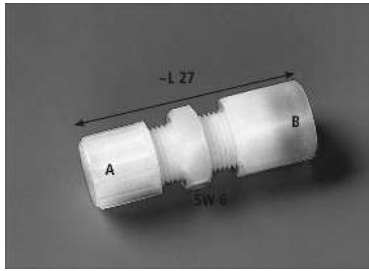


See table for dimensions

- A Hose dimension 1
 - B Hose dimension 2
 - L2 Length
 - SW2 Spanner size
- Other dimensions available upon request

	A	B	L2 mm / (US)		SW2 mm / (US)		Item no. PVDF	Item no. PFA
Straight coupler hose - hose metric	DN 4/6	DN 4/6	39	(1.54)	14	(0.55)	4346066	43709004
		DN 6/8	45	(1.77)	19	(0.75)	4346051	43709005
	DN 6/8	DN 6/8	49	(1.93)	19	(0.75)	4368062	43709006
	DN 8/12	DN 8/12	64	(2.52)	24	(0.94)	4381054	43709007
	DN 10/12	DN 10/12	64	(2.52)	24	(0.94)	4346121	43709008
US	1/4"-1/8"	1/4"-1/8"	47	(1.85)	14	(0.55)	43709001	43709009
		1/4"-1/6"	47	(1.85)	14	(0.55)	43709002	43709010
	3/8"-1/4"	3/8"-1/4"	48	(1.89)	22	(0.87)		43709011
		3/8"-1/4"	63	(2.48)	22	(0.87)	43709003	43709012

Coupler hose - pipe

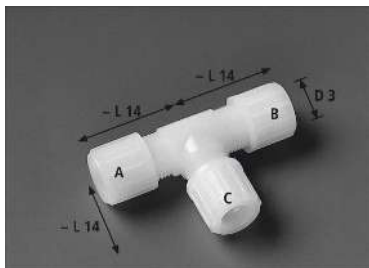


See table for dimensions

- A Hose dimensions
- B Pipe dimensions
- L27 Length
- SW6 Spanner size
- Other dimensions available upon request

	A	B	L27 mm / (US)		SW6 mm / (US)		Item no. PVDF	Item no. PFA
Straight coupler hose - pipe metric - metric	DN 4/6	6	50	(1.97)	17	(0.67)	4346088	43710008
		10	54	(2.13)	19	(0.75)	43710001	
	DN 6/8	6	54	(2.13)	17	(0.67)	43710002	
		10	58	(2.28)	22	(0.87)	43710003	43710009
		10	65	(2.55)	22	(0.87)	43710004	
US - US	1/4"-1/8"	1/4"	54	(2.13)	17	(0.67)	43710006	
	3/8"-1/4"	1/4"	62	(2.44)	22	(0.87)		43710010
US hose Metric pipe	1/4"-1/6"	6	52	(2.05)	17	(0.67)	43710007	

T-piece, hose connection all ends

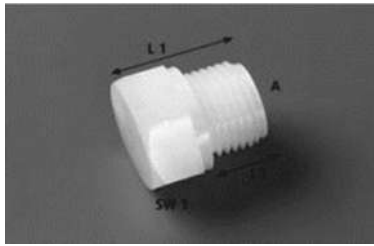


See table for dimensions

- A=B=C Hose dimensions
- L14 Dimensions
- Other dimensions available upon request

	A=B=C	L14 mm / (US)		Item no. PVDF	Item no. PFA
T-coupler metric	DN 4/6	26	(1.02)	4346076	4346046
	DN 6/8	31	(1.22)	4368072	4368044
	DN 8/12	43	(1.69)	4381062	43711003
	DN 10/12	43	(1.69)	4381083	43711004
US	1/4"-1/8"	28	(1.10)	43711001	43711005
	1/4"-1/6"	28	(1.10)	4346099	43711006
	3/8"-1/4"	38	(1.50)	43711002	43711007

Sealing plug

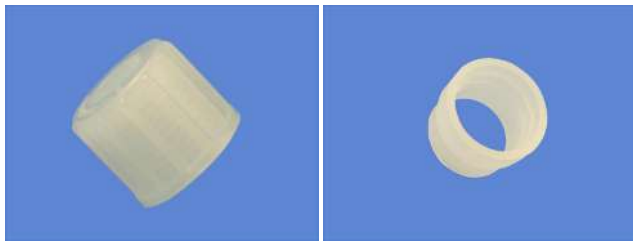


See table for dimensions

- A Thread (external)
- l1 Thread length
- L1 Total length
- SW1 Spanner size
- Other dimensions available upon request

	A	L1 mm / (US)		l1 mm / (US)		SW1 mm / (US)		Item no. PVDF	Item no. PFA
metric	G 1/8	14	(0.55)	8	(0.31)	14	(0.55)	43712001	43712008
	G 1/4	22.5	(0.89)	12	(0.47)	17	(0.67)	43712002	43712009
	G 3/8	25.5	(1.00)	12	(0.47)	22	(0.87)	43712003	43712010
	G 1/2	28.5	(1.12)	14	(0.55)	27	(1.06)	4346096	43712011
US	NPT 1/8	10	(0.39)	15	(0.59)	12	(0.47)	43712004	43712012
	NPT 1/4	15	(0.59)	23	(0.91)	17	(0.67)	43712006	43712013
	NPT 3/8	15.3	(0.60)	25	(0.98)	19	(0.75)	43712005	43712014
	NPT 1/2	20	(0.79)	32	(1.26)	24	(0.94)	43712007	43712015

Spare parts: Knurled nuts and clamping collars



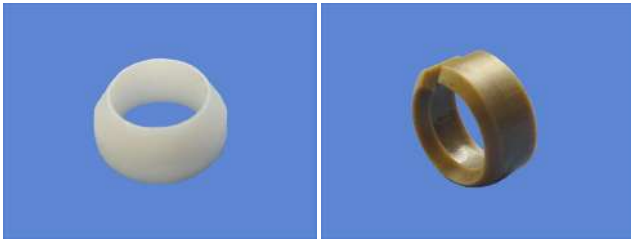
Knurled nut

Clamping collar

Connection principle 1A – Material: PVDF

	A (hose)	Knurled nut PVDF	Clamping collar PVDF
metric	DN 4/6	4350213	9008925
	DN 5/8	4350214	4350219
	DN 6/8	4350214	4350219
	DN 8/12	4350215	4350220
	DN 10/12	4350215	4350220
US	1/4"-1/8"	43712022	43712024
	1/4"-1/6"	43712022	43712024
	3/8"-1/4"	43712023	43712025

Spare parts: Gaskets and cutting rings



Gasket

Cutting ring

Connection principle 1C – Material: PFA

	A (hose)	Knurled nut PVDF	Gasket PTFE	Cutting ring PEEK
metric	DN 4/6	4350213	43712026	43712031
	DN 5/8	4350214	43712027	43712032
	DN 6/8	4350214	43712027	43712032
	DN 8/12	4350215	43712028	43712033
	DN 10/12	4350215	43712028	43712033
US	1/4"-1/8"	43712022	43712029	43712034
	1/4"-1/6"	43712022	43712029	43712034
	3/8"-1/4"	43712023	43712030	43712035