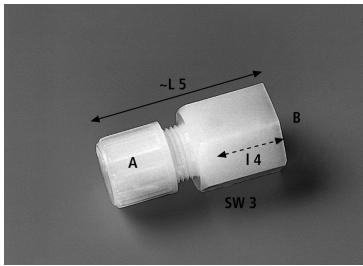


- 1) Thread manufactured without seam ⇒ High tightness, long term stability
- 2) Hexagon manufactured according to DIN
- 3) Tube strain does not exceed 6% ⇒ Molecular structure of the flexible tube is preserved
- 4) Thread manufactured according to DIN, USAS or JIS ⇒ Various connection options
- 5) Connecting sleeve manufactured without seam ⇒ High tightness, long term stability
- 6) Connector available in PA, PP, PVDF ⇒ High media resistance

The connection principle used in Series 1A from EM-TECHNIK entails pushing the flexible tube onto an integrated connecting sleeve. The flexible tube is secured in place by a clamping ring, which is forced against the flexible tube by a knurled nut. The connecting sleeve for the flexible tube is nearly cylindrical. Its dimensions are calculated to prevent tube strain of more than 6% even with poor tolerances. The tension produced by the low tube strain is sufficient, however, to guarantee a tight tube connection up to 6 bar. Clamping ring and knurled nut secure the connection against longitudinal forces which could otherwise pull the flexible tube off the sleeve. The clamping ring is also designed to secure the flexible tube in place by intercepting any shear or torsional stresses. Thanks to its elasticity, the clamping ring can be used several times in the same connector.

## Straight connector for tube (Series 1A) with female G-thread

# 1



Article-Nr	Connection A	Connection B	Material
1A100FG0512PP	DN1/6"/1/4"	G1/2"	PP
1A100FG0514PP	DN1/6"/1/4"	G1/4"	PP
1A100FG0514PV	DN1/6"/1/4"	G1/4"	PVDF
1A100FG0518PV	DN1/6"/1/4"	G1/8"	PVDF
1A100FG0538PP	DN1/6"/1/4"	G3/8"	PP
1A100FG1112PP	DN1/4"/3/8"	G1/2"	PP
1A100FG1114PV	DN1/4"/3/8"	G1/4"	PVDF
1A100FG1118PP	DN1/4"/3/8"	G1/8"	PP
1A100FG1118PV	DN1/4"/3/8"	G1/8"	PVDF
1A100FG1138PP	DN1/4"/3/8"	G3/8"	PP
1A100FG1138PV	DN1/4"/3/8"	G3/8"	PVDF
1A100FG1238PP	DN5/16"/3/8"	G3/8"	PP
1A100FG1512PP	DN3/8"/1/2"	G1/2"	PP
1A100FG1538PP	DN3/8"/1/2"	G3/8"	PP
1A100FG1538PV	DN3/8"/1/2"	G3/8"	PVDF
1A100FG4012PN	DN04/06	G1/2"	PP-NATUR
1A100FG4012PP	DN04/06	G1/2"	PP
1A100FG4012PV	DN04/06	G1/2"	PVDF
1A100FG4014PN	DN04/06	G1/4"	PP-NATUR
1A100FG4014PP	DN04/06	G1/4"	PP
1A100FG4014PV	DN04/06	G1/4"	PVDF
1A100FG4018PN	DN04/06	G1/8"	PP-NATUR
1A100FG4018PP	DN04/06	G1/8"	PP
1A100FG4018PV	DN04/06	G1/8"	PVDF
1A100FG4034PN	DN04/06	G3/4"	PP-NATUR
1A100FG4038PN	DN04/06	G3/8"	PP-NATUR
1A100FG4038PP	DN04/06	G3/8"	PP
1A100FG4038PV	DN04/06	G3/8"	PVDF
1A100FG4212PP	DN05/08	G1/2"	PP
1A100FG4212PV	DN05/08	G1/2"	PVDF
1A100FG4214PP	DN05/08	G1/4"	PP
1A100FG4214PV	DN05/08	G1/4"	PVDF
1A100FG4218PP	DN05/08	G1/8"	PP
1A100FG4218PV	DN05/08	G1/8"	PVDF
1A100FG4238PP	DN05/08	G3/8"	PP
1A100FG4238PV	DN05/08	G3/8"	PVDF
1A100FG4312PN	DN06/08	G1/2"	PP-NATUR
1A100FG4312PP	DN06/08	G1/2"	PP
1A100FG4312PV	DN06/08	G1/2"	PVDF
1A100FG4314PN	DN06/08	G1/4"	PP-NATUR
1A100FG4314PP	DN06/08	G1/4"	PP
1A100FG4314PV	DN06/08	G1/4"	PVDF
1A100FG4318PN	DN06/08	G1/8"	PP-NATUR
1A100FG4318PP	DN06/08	G1/8"	PP
1A100FG4318PV	DN06/08	G1/8"	PVDF
1A100FG4334PP	DN06/08	G3/4"	PP
1A100FG4338PN	DN06/08	G3/8"	PP-NATUR
1A100FG4338PP	DN06/08	G3/8"	PP
1A100FG4338PV	DN06/08	G3/8"	PVDF
1A100FG4358PP	DN06/08	G5/8"	PP
1A100FG4412PP	DN06/10	G1/2"	PP
1A100FG4412PV	DN06/10	G1/2"	PVDF
1A100FG4414PP	DN06/10	G1/4"	PP
1A100FG4414PV	DN06/10	G1/4"	PVDF
1A100FG4418PP	DN06/10	G1/8"	PP
1A100FG4418PV	DN06/10	G1/8"	PVDF
1A100FG4438PP	DN06/10	G3/8"	PP
1A100FG4438PV	DN06/10	G3/8"	PVDF
1A100FG4458PV	DN06/10	G5/8"	PVDF
1A100FG4512PN	DN08/10	G1/2"	PP-NATUR
1A100FG4512PP	DN08/10	G1/2"	PP
1A100FG4512PV	DN08/10	G1/2"	PVDF

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Article-Nr	Connection A	Connection B	Material
1A100FG4514PN	DN08/10	G1/4"	PP-NATUR
1A100FG4514PP	DN08/10	G1/4"	PP
1A100FG4514PV	DN08/10	G1/4"	PVDF
1A100FG4518PP	DN08/10	G1/8"	PP
1A100FG4518PV	DN08/10	G1/8"	PVDF
1A100FG4538PN	DN08/10	G3/8"	PP-NATUR
1A100FG4538PP	DN08/10	G3/8"	PP
1A100FG4538PV	DN08/10	G3/8"	PVDF
1A100FG4612PP	DN08/12	G1/2"	PP
1A100FG4612PV	DN08/12	G1/2"	PVDF
1A100FG4614PP	DN08/12	G1/4"	PP
1A100FG4614PV	DN08/12	G1/4"	PVDF
1A100FG4618PP	DN08/12	G1/8"	PP
1A100FG4618PV	DN08/12	G1/8"	PVDF
1A100FG4634PP	DN08/12	G3/4"	PP
1A100FG4634PV	DN08/12	G3/4"	PVDF
1A100FG4638PP	DN08/12	G3/8"	PP
1A100FG4638PV	DN08/12	G3/8"	PVDF
1A100FG4712PP	DN09/12	G1/2"	PP
1A100FG4712PV	DN09/12	G1/2"	PVDF
1A100FG4714PP	DN09/12	G1/4"	PP
1A100FG4714PV	DN09/12	G1/4"	PVDF
1A100FG4734PP	DN09/12	G3/4"	PP
1A100FG4738PP	DN09/12	G3/8"	PP
1A100FG4738PV	DN09/12	G3/8"	PVDF
1A100FG4812PN	DN10/12	G1/2"	PP-NATUR
1A100FG4812PP	DN10/12	G1/2"	PP
1A100FG4812PV	DN10/12	G1/2"	PVDF
1A100FG4814PN	DN10/12	G1/4"	PP-NATUR
1A100FG4814PP	DN10/12	G1/4"	PP
1A100FG4814PV	DN10/12	G1/4"	PVDF
1A100FG4818PP	DN10/12	G1/8"	PP
1A100FG4818PV	DN10/12	G1/8"	PVDF
1A100FG4834PP	DN10/12	G3/4"	PP
1A100FG4834PV	DN10/12	G3/4"	PVDF
1A100FG4838PN	DN10/12	G3/8"	PP-NATUR
1A100FG4838PP	DN10/12	G3/8"	PP
1A100FG4838PV	DN10/12	G3/8"	PVDF
1A100FG4912PP	DN10/14	G1/2"	PP
1A100FG4912PV	DN10/14	G1/2"	PVDF
1A100FG4914PP	DN10/14	G1/4"	PP
1A100FG4914PV	DN10/14	G1/4"	PVDF
1A100FG4918PP	DN10/14	G1/8"	PP
1A100FG4918PV	DN10/14	G1/8"	PVDF
1A100FG4934PV	DN10/14	G3/4"	PVDF
1A100FG4938PP	DN10/14	G3/8"	PP
1A100FG4938PV	DN10/14	G3/8"	PVDF
1A100FG5112PN	DN12/14	G1/2"	PP-NATUR
1A100FG5112PP	DN12/14	G1/2"	PP
1A100FG5112PV	DN12/14	G1/2"	PVDF
1A100FG5114PP	DN12/14	G1/4"	PP
1A100FG5114PV	DN12/14	G1/4"	PVDF
1A100FG5118PP	DN12/14	G1/8"	PP
1A100FG5118PV	DN12/14	G1/8"	PVDF
1A100FG5134PP	DN12/14	G3/4"	PP
1A100FG5134PV	DN12/14	G3/4"	PVDF
1A100FG5138PP	DN12/14	G3/8"	PP
1A100FG5138PV	DN12/14	G3/8"	PVDF
1A100FG5212PP	DN12/16	G1/2"	PP
1A100FG5212PV	DN12/16	G1/2"	PVDF
1A100FG5218PP	DN12/16	G1/8"	PP
1A100FG5234PP	DN12/16	G3/4"	PP

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Article-Nr	Connection A	Connection B	Material
1A100FG5238PP	DN12/16	G3/8"	PP
1A100FG5238PV	DN12/16	G3/8"	PVDF
1A100FG5312PP	DN14/16	G1/2"	PP
1A100FG5312PV	DN14/16	G1/2"	PVDF
1A100FG5314PV	DN14/16	G1/4"	PVDF
1A100FG5412PP	DN14/18	G1/2"	PP
1A100FG5414PP	DN14/18	G1/4"	PP
1A100FG5512PP	DN16/18	G1/2"	PP
1A100FG5512PV	DN16/18	G1/2"	PVDF
1A100FG5612PP	DN16/20	G1/2"	PP
1A100FG5612PV	DN16/20	G1/2"	PVDF
1A100FG5638PP	DN16/20	G3/8"	PP
1A100FG5638PV	DN16/20	G3/8"	PVDF
1A100FG5712PV	DN18/20	G1/2"	PVDF
1A100FG5734PV	DN18/20	G3/4"	PVDF

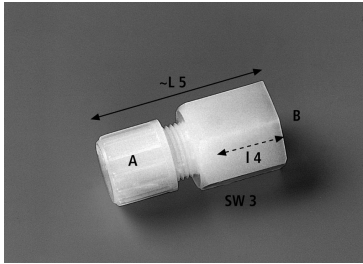
Dimensions 1A100FG... , 1C100FG...

A(DN)		B(G)		l4	~L5*	SW3	
4/6		1/6"/1/4"	1/8"	10	31	14	
4/6		1/6"/1/4"	1/4"	15	36	17	
4/6		1/6"/1/4"	3/8"	15	36	22	
4/6		1/6"/1/4"	1/2"	16	38	27	
5/8	6/8		1/8"	10	36	17	
5/8	6/8		1/4"	15	41	17	
5/8	6/8		3/8"	15	41	22	
5/8	6/8		1/2"	16	42	27	
6/9			1/8"	10		17	
6/9			1/4"	15		17	
6/9			3/8"	15		22	
6/9			1/2"	16		27	
6/10	8/10	1/4"/3/8"	1/8"	10	39	19	
6/10	8/10	1/4"/3/8"	1/4"	15	44	19	
6/10	8/10	1/4"/3/8"	3/8"	15	44	22	
6/10	8/10	1/4"/3/8"	1/2"	16	45	27	
8/12	9/12	10/12	3/8"/1/2"	1/8"	10	43	19
8/12	9/12	10/12	3/8"/1/2"	1/4"	15	48	22
8/12	9/12	10/12	3/8"/1/2"	3/8"	15	48	22
8/12	9/12	10/12	3/8"/1/2"	1/2"	16	49	27
8/12	9/12	10/12	3/8"/1/2"	3/4"	20	53	32
10/14	12/14		1/8"	10	48	24	
10/14	12/14		1/4"	15	53	24	
10/14	12/14		3/8"	15	53	24	
10/14	12/14		1/2"	16	54	27	
10/14	12/14		3/4"	20	58	32	
12/16	14/16		1/8"	10	50	27	
12/16	14/16		1/4"	15	55	27	
12/16	14/16		3/8"	15	55	27	
12/16	14/16		1/2"	16	56	27	
12/16	14/16		3/4"	20	60	32	
14/18	16/18		1/4"	15	58	27	
14/18	16/18		3/8"	15	58	27	
14/18	16/18		1/2"	16	59	27	
14/18	16/18		3/4"	20	63	32	
16/20	18/20	5/8"/3/4"	3/8"	15	61	30	
16/20	18/20	5/8"/3/4"	1/2"	16	62	30	
16/20	18/20	5/8"/3/4"	3/4"	20	65	32	

\* for connections in inch add 2 mm per side

**Straight connector for flexible tube (Serie 1A)  
with female M-thread**

1



Article-Nr	Connection A	Connection B	Material
1A100FM0623PP	DN3/16"/1/4"	M20x1,5	PP
1A100FM0623PV	DN3/16"/1/4"	M20x1,5	PVDF
1A100FM1123PP	DN1/4"/3/8"	M20x1,5	PP
1A100FM1123PV	DN1/4"/3/8"	M20x1,5	PVDF
1A100FM1223PP	DN5/16"/3/8"	M20x1,5	PP
1A100FM1223PV	DN5/16"/3/8"	M20x1,5	PVDF
1A100FM1523PP	DN3/8"/1/2"	M20x1,5	PP
1A100FM1523PV	DN3/8"/1/2"	M20x1,5	PVDF
1A100FM4006PP	DN04/06	M6	PP
1A100FM4006PV	DN04/06	M6	PVDF
1A100FM4011PP	DN04/06	M10x1	PP
1A100FM4011PV	DN04/06	M10x1	PVDF
1A100FM4012PP	DN04/06	M10x1,5	PP
1A100FM4012PV	DN04/06	M10x1,5	PVDF
1A100FM4014PP	DN04/06	M12x1	PP
1A100FM4014PV	DN04/06	M12x1	PVDF
1A100FM4015PP	DN04/06	M12x1,5	PP
1A100FM4015PV	DN04/06	M12x1,5	PVDF
1A100FM4017PP	DN04/06	M14x1,5	PP
1A100FM4017PV	DN04/06	M14x1,5	PVDF
1A100FM4019PP	DN04/06	M16x1,5	PP
1A100FM4019PV	DN04/06	M16x1,5	PVDF
1A100FM4021PP	DN04/06	M18x1,5	PP
1A100FM4021PV	DN04/06	M18x1,5	PVDF
1A100FM4023PP	DN04/06	M20x1,5	PP
1A100FM4023PV	DN04/06	M20x1,5	PVDF
1A100FM4024PP	DN04/06	M22x1,5	PP
1A100FM4070PP	DN04/06	M6x0,75	PP
1A100FM4311PP	DN06/08	M10x1	PP
1A100FM4311PV	DN06/08	M10x1	PVDF
1A100FM4312PP	DN06/08	M10x1,5	PP
1A100FM4312PV	DN06/08	M10x1,5	PVDF
1A100FM4315PP	DN06/08	M12x1,5	PP
1A100FM4315PV	DN06/08	M12x1,5	PVDF
1A100FM4317PP	DN06/08	M14x1,5	PP
1A100FM4317PV	DN06/08	M14x1,5	PVDF
1A100FM4319PP	DN06/08	M16x1,5	PP
1A100FM4319PV	DN06/08	M16x1,5	PVDF
1A100FM4321PP	DN06/08	M18x1,5	PP
1A100FM4321PV	DN06/08	M18x1,5	PVDF
1A100FM4323PV	DN06/08	M20x1,5	PVDF
1A100FM4412PP	DN06/10	M10x1,5	PP
1A100FM4412PV	DN06/10	M10x1,5	PVDF
1A100FM4415PP	DN06/10	M12x1,5	PP
1A100FM4415PV	DN06/10	M12x1,5	PVDF
1A100FM4417PP	DN06/10	M14x1,5	PP
1A100FM4417PV	DN06/10	M14x1,5	PVDF
1A100FM4419PP	DN06/10	M16x1,5	PP
1A100FM4419PV	DN06/10	M16x1,5	PVDF
1A100FM4421PP	DN06/10	M18x1,5	PP
1A100FM4421PV	DN06/10	M18x1,5	PVDF
1A100FM4423PP	DN06/10	M20x1,5	PP
1A100FM4512PP	DN08/10	M10x1,5	PP
1A100FM4512PV	DN08/10	M10x1,5	PVDF
1A100FM4515PP	DN08/10	M12x1,5	PP
1A100FM4515PV	DN08/10	M12x1,5	PVDF
1A100FM4517PP	DN08/10	M14x1,5	PP
1A100FM4517PV	DN08/10	M14x1,5	PVDF
1A100FM4519PP	DN08/10	M16x1,5	PP
1A100FM4519PV	DN08/10	M16x1,5	PVDF
1A100FM4521PP	DN08/10	M18x1,5	PP
1A100FM4521PV	DN08/10	M18x1,5	PVDF

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**Straight connector for flexible tube (Serie 1A)  
with female M-thread**

**1**

Article-Nr	Connection A	Connection B	Material
1A100FM4523PP	DN08/10	M20x1,5	PP
1A100FM4523PV	DN08/10	M20x1,5	PVDF
1A100FM4615PP	DN08/12	M12x1,5	PP
1A100FM4615PV	DN08/12	M12x1,5	PVDF
1A100FM4617PP	DN08/12	M14x1,5	PP
1A100FM4617PV	DN08/12	M14x1,5	PVDF
1A100FM4619PP	DN08/12	M16x1,5	PP
1A100FM4619PV	DN08/12	M16x1,5	PVDF
1A100FM4621PP	DN08/12	M18x1,5	PP
1A100FM4621PV	DN08/12	M18x1,5	PVDF
1A100FM4624PP	DN08/12	M22x1,5	PP
1A100FM4721PV	DN09/12	M18x1,5	PVDF
1A100FM4723PP	DN09/12	M20x1,5	PP
1A100FM4723PV	DN09/12	M20x1,5	PVDF
1A100FM4815PP	DN10/12	M12x1,5	PP
1A100FM4815PV	DN10/12	M12x1,5	PVDF
1A100FM4817PP	DN10/12	M14x1,5	PP
1A100FM4817PV	DN10/12	M14x1,5	PVDF
1A100FM4819PP	DN10/12	M16x1,5	PP
1A100FM4819PV	DN10/12	M16x1,5	PVDF
1A100FM4821PP	DN10/12	M18x1,5	PP
1A100FM4821PV	DN10/12	M18x1,5	PVDF
1A100FM4823PP	DN10/12	M20x1,5	PP
1A100FM4823PV	DN10/12	M20x1,5	PVDF
1A100FM4915PP	DN10/14	M12x1,5	PP
1A100FM4915PV	DN10/14	M12x1,5	PVDF
1A100FM4917PP	DN10/14	M14x1,5	PP
1A100FM4917PV	DN10/14	M14x1,5	PVDF
1A100FM4919PP	DN10/14	M16x1,5	PP
1A100FM4919PV	DN10/14	M16x1,5	PVDF
1A100FM4921PP	DN10/14	M18x1,5	PP
1A100FM4921PV	DN10/14	M18x1,5	PVDF
1A100FM4923PP	DN10/14	M18x1,5	PP
1A100FM5115PP	DN12/14	M12x1,5	PP
1A100FM5115PV	DN12/14	M12x1,5	PVDF
1A100FM5117PP	DN12/14	M14x1,5	PP
1A100FM5117PV	DN12/14	M14x1,5	PVDF
1A100FM5119PP	DN12/14	M16x1,5	PP
1A100FM5119PV	DN12/14	M16x1,5	PVDF
1A100FM5121PP	DN12/14	M18x1,5	PP
1A100FM5121PV	DN12/14	M18x1,5	PVDF
1A100FM5423PP	DN14/18	M20x1,5	PP
1A100FM5524PV	DN16/18	M22x1,5	PVDF

**Dimensions 1A100FM... , 1C100FM...**

A(DN)	B(M)	l4	~L5	SW3	
4/6	5	8		12	
4/6	6	10		12	
4/6	10x1	10	31	14	
4/6	10x1,5	10	31	14	
4/6	12x1,5	15	36	17	
4/6	14x1,5	15	36	19	
4/6	16x1,5	15.5	36	22	
4/6	18x1,5	16.5	38	24	
4/6	20x1,5	16.5	38	27	
5/8	6/8	10x1	10	35	17
5/8	6/8	10x1,5	10	35	17
5/8	6/8	12x1,5	15	40	17
5/8	6/8	14x1,5	15	40	19
5/8	6/8	16x1,5	15.5	40	22
5/8	6/8	18x1,5	16.5	41	24

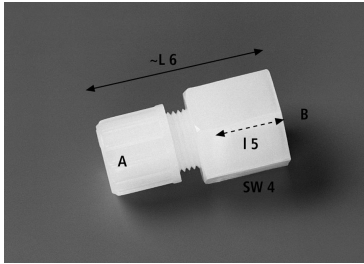
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**Straight connector for flexible tube (Serie 1A)  
with female M-thread**

**1**

	A(DN)		B(M)	l4	~L5	SW3
5/8	6/8		20x1,5	16.5	41	27
6/9			10x1	10		17
6/9			10x1,5	10		17
6/9			12x1,5	15		17
6/9			14x1,5	15		19
6/9			16x1,5	15.5		22
6/9			18x1,5	16.5		24
6/9			20x1,5	16.5		27
6/10	8/10		10x1	10	38	19
6/10	8/10		10x1,5	10	38	19
6/10	8/10		12x1,5	15	43	19
6/10	8/10		14x1,5	15	43	19
6/10	8/10		16x1,5	15.5	43	22
6/10	8/10		18x1,5	16.5	44	24
6/10	8/10		20x1,5	16.5	44	27
8/12	9/12	10/12	12x1,5	15	45	22
8/12	9/12	10/12	14x1,5	15	45	22
8/12	9/12	10/12	16x1,5	15.5	47	22
8/12	9/12	10/12	18x1,5	16.5	48	24
8/12	9/12	10/12	20x1,5	16.5	48	27
8/12	9/12	10/12	22x1,5	18	51	27
10/14	12/14		12x1,5	15	52	24
10/14	12/14		14x1,5	15	52	24
10/14	12/14		16x1,5	15.5	53	24
10/14	12/14		18x1,5	16.5	53	24
10/14	12/14		20x1,5	16.5	53	27
12/16	14/16		14x1,5	15	53	27
12/16	14/16		16x1,5	15.5	54	27
12/16	14/16		18x1,5	16.5	55	27
12/16	14/16		20x1,5	16.5	55	27
14/18	16/18		18x1,5	16.5	57	27
14/18	16/18		20x1,5	16.5	57	27
14/18	16/18		22x1,5	18	59	27
14/18	16/18		24x1,5	18.5	60	32
16/20	18/20		20x1,5	16.5	60	32
16/20	18/20		22x1,5	18	61	32
16/20	18/20		24x1,5	18.5	61	32

**Straight connector for flexible tube (Series 1A)  
with female NPT-thread**



Article-Nr	Connection A	Connection B	Material
1A100FN0314PP	DN1/8"/1/4"	NPT1/4"	PP
1A100FN0314PV	DN1/8"/1/4"	NPT1/4"	PVDF
1A100FN0418PV	DN5/32"/1/4"	NPT1/8"	PVDF
1A100FN0514PV	DN1/6"/1/4"	NPT1/4"	PVDF
1A100FN0518PP	DN1/6"/1/4"	NPT1/8"	PP
1A100FN0618PV	DN3/16"/1/4"	NPT1/8"	PVDF
1A100FN1114PV	DN1/4"/3/8"	NPT1/4"	PVDF
1A100FN1138PV	DN1/4"/3/8"	NPT3/8"	PVDF
1A100FN1514PV	DN3/8"/1/2"	NPT1/4"	PVDF
1A100FN4012PN	DN04/06	NPT1/2"	PP-NATUR
1A100FN4012PP	DN04/06	NPT1/2"	PP
1A100FN4012PV	DN04/06	NPT1/2"	PVDF
1A100FN4014PN	DN04/06	NPT1/4"	PP-NATUR
1A100FN4014PP	DN04/06	NPT1/4"	PP
1A100FN4014PV	DN04/06	NPT1/4"	PVDF
1A100FN4018PN	DN04/06	NPT1/8"	PP-NATUR
1A100FN4018PP	DN04/06	NPT1/8"	PP
1A100FN4018PV	DN04/06	NPT1/8"	PVDF
1A100FN4038PN	DN04/06	NPT3/8"	PP-NATUR
1A100FN4038PP	DN04/06	NPT3/8"	PP
1A100FN4038PV	DN04/06	NPT3/8"	PVDF
1A100FN4238PP	DN05/08	NPT3/8"	PP
1A100FN4312PN	DN06/08	NPT1/2"	PP-NATUR
1A100FN4312PP	DN06/08	NPT1/2"	PP
1A100FN4312PV	DN06/08	NPT1/2"	PVDF
1A100FN4314PN	DN06/08	NPT1/4"	PP-NATUR
1A100FN4314PP	DN06/08	NPT1/4"	PP
1A100FN4314PV	DN06/08	NPT1/4"	PVDF
1A100FN4318PP	DN06/08	NPT1/8"	PP
1A100FN4318PV	DN06/08	NPT1/8"	PVDF
1A100FN4338PP	DN06/08	NPT3/8"	PP
1A100FN4338PV	DN06/08	NPT3/8"	PVDF
1A100FN4412PP	DN06/10	NPT1/2"	PP
1A100FN4412PV	DN06/10	NPT1/2"	PVDF
1A100FN4414PP	DN06/10	NPT1/4"	PP
1A100FN4414PV	DN06/10	NPT1/4"	PVDF
1A100FN4418PP	DN06/10	NPT1/8"	PP
1A100FN4418PV	DN06/10	NPT1/8"	PVDF
1A100FN4438PP	DN06/10	NPT3/8"	PP
1A100FN4438PV	DN06/10	NPT3/8"	PVDF
1A100FN4512PP	DN08/10	NPT1/2"	PP
1A100FN4512PV	DN08/10	NPT1/2"	PVDF
1A100FN4514PN	DN08/10	NPT1/4"	PP-NATUR
1A100FN4514PP	DN08/10	NPT1/4"	PP
1A100FN4514PV	DN08/10	NPT1/4"	PVDF
1A100FN4518PP	DN08/10	NPT1/8"	PP
1A100FN4518PV	DN08/10	NPT1/8"	PVDF
1A100FN4538PP	DN08/10	NPT3/8"	PP
1A100FN4538PV	DN08/10	NPT3/8"	PVDF
1A100FN4612PP	DN08/12	NPT1/2"	PP
1A100FN4612PV	DN08/12	NPT1/2"	PVDF
1A100FN4614PP	DN08/12	NPT1/4"	PP
1A100FN4614PV	DN08/12	NPT1/4"	PVDF
1A100FN4618PP	DN08/12	NPT1/8"	PP
1A100FN4618PV	DN08/12	NPT1/8"	PVDF
1A100FN4638PP	DN08/12	NPT3/8"	PP
1A100FN4638PV	DN08/12	NPT3/8"	PVDF
1A100FN4738PP	DN09/12	NPT3/8"	PP
1A100FN4812PN	DN10/12	NPT1/2"	PP-NATUR
1A100FN4812PP	DN10/12	NPT1/2"	PP
1A100FN4812PV	DN10/12	NPT1/2"	PVDF
1A100FN4814PN	DN10/12	NPT1/4"	PP-NATUR

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**Straight connector for flexible tube (Series 1A)  
with female NPT-thread**

# 1

Article-Nr	Connection A	Connection B	Material
1A100FN4814PP	DN10/12	NPT1/4"	PP
1A100FN4814PV	DN10/12	NPT1/4"	PVDF
1A100FN4818PP	DN10/12	NPT1/8"	PP
1A100FN4818PV	DN10/12	NPT1/8"	PVDF
1A100FN4834PV	DN10/12	NPT3/4"	PVDF
1A100FN4838PN	DN10/12	NPT3/8"	PP-NATUR
1A100FN4838PP	DN10/12	NPT3/8"	PP
1A100FN4838PV	DN10/12	NPT3/8"	PVDF
1A100FN4912PN	DN10/14	NPT1/2"	PP-NATUR
1A100FN4912PP	DN10/14	NPT1/2"	PP
1A100FN4912PV	DN10/14	NPT1/2"	PVDF
1A100FN4914PP	DN10/14	NPT1/4"	PP
1A100FN4914PV	DN10/14	NPT1/4"	PVDF
1A100FN4918PP	DN10/14	NPT1/8"	PP
1A100FN4918PV	DN10/14	NPT1/8"	PVDF
1A100FN4938PP	DN10/14	NPT3/8"	PP
1A100FN4938PV	DN10/14	NPT3/8"	PVDF
1A100FN5112PP	DN12/14	NPT1/2"	PP
1A100FN5112PV	DN12/14	NPT1/2"	PVDF
1A100FN5114PP	DN12/14	NPT1/4"	PP
1A100FN5114PV	DN12/14	NPT1/4"	PVDF
1A100FN5118PP	DN12/14	NPT1/8"	PP
1A100FN5118PV	DN12/14	NPT1/8"	PVDF
1A100FN5138PP	DN12/14	NPT3/8"	PP
1A100FN5138PV	DN12/14	NPT3/8"	PVDF
1A100FN5212PP	DN12/16	NPT1/2"	PP
1A100FN5212PV	DN12/16	NPT1/2"	PVDF
1A100FN5214PP	DN12/16	NPT1/4"	PP
1A100FN5214PV	DN12/16	NPT1/4"	PVDF
1A100FN5238PP	DN12/16	NPT3/8"	PP
1A100FN5238PV	DN12/16	NPT3/8"	PVDF
1A100FN5312PP	DN14/16	NPT1/2"	PP
1A100FN5312PV	DN14/16	NPT1/2"	PVDF
1A100FN5314PP	DN14/16	NPT1/4"	PP
1A100FN5314PV	DN14/16	NPT1/4"	PVDF
1A100FN5338PP	DN14/16	NPT3/8"	PP
1A100FN5338PV	DN14/16	NPT3/8"	PVDF

**Dimensions 1A100FN... , 1C100FN...**

A(DN)		B(NPT)		I5	~L6*	SW4
4/6		1/6"/1/4"	1/8"	11.6	32	14
4/6		1/6"/1/4"	1/4"	16.4	38	17
4/6		1/6"/1/4"	3/8"	17.4	39	22
4/6		1/6"/1/4"	1/2"	22.6	47	27
5/8	6/8		1/8"	11.6	35	19
5/8	6/8		1/4"	16.4	41	19
5/8	6/8		3/8"	17.4	42	22
5/8	6/8		1/2"	22.6	48	27
6/9			1/8"	11.6		
6/9			1/4"	16.4		
6/9			3/8"	17.4		
6/9			1/2"	22.6		
6/10	8/10	1/4"/3/8"	1/8"	11.6	38	22
6/10	8/10	1/4"/3/8"	1/4"	16.4	43	22
6/10	8/10	1/4"/3/8"	3/8"	17.4	44	22
6/10	8/10	1/4"/3/8"	1/2"	22.6	51	27
8/12	9/12 10/12	3/8"/1/2"	1/4"	16.4	48	24
8/12	9/12 10/12	3/8"/1/2"	3/8"	17.4	49	24
8/12	9/12 10/12	3/8"/1/2"	1/2"	22.6	53	27
8/12	9/12 10/12	3/8"/1/2"	3/4"	23.1	55	32
10/14	12/14		1/4"	16.4	53	24

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**Straight connector for flexible tube (Series 1A)  
with female NPT-thread**

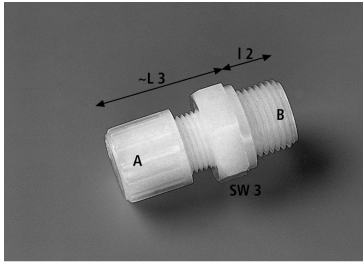
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	A(DN)	B(NPT)	I5	~L6*	SW4
10/14	12/14	3/8"	17.4	54	24
10/14	12/14	1/2"	22.6	59	27
10/14	12/14	3/4"	23.1	60	32
12/16	14/16	3/8"	17.4	56	27
12/16	14/16	1/2"	22.6	61	27
12/16	14/16	3/4"	23.1	62	32
14/18	16/18	1/2"	22.6	63	27
14/18	16/18	3/4"	23.1	64	32
		5/8"/3/4"	1/4"	16.4	32
		5/8"/3/4"	3/8"	17.4	32
16/20	18/20	5/8"/3/4"	1/2"	22.6	66
16/20	18/20	5/8"/3/4"	3/4"	23.1	67

\* for connections in inch add 2 mm per side

**Straight connector for flexible tube (Series 1A)  
with male G-thread**

**1**



Article-Nr	Connection A	Connection B	Material
1A100MG0312PP	DN1/8"/1/4"	G1/2"	PP
1A100MG0312PV	DN1/8"/1/4"	G1/2"	PVDF
1A100MG0314PP	DN1/8"/1/4"	G1/4"	PP
1A100MG0314PPFP	DN1/8"/1/4"	G1/4"	PP/FPM
1A100MG0314PV	DN1/8"/1/4"	G1/4"	PVDF
1A100MG0314PVFP	DN1/8"/1/4"	G1/4"	PVDF/FPM
1A100MG0318PP	DN1/8"/1/4"	G1/8"	PP
1A100MG0318PPFP	DN1/8"/1/4"	G1/8"	PP/FPM
1A100MG0318PV	DN1/8"/1/4"	G1/8"	PVDF
1A100MG0338PP	DN1/8"/1/4"	G3/8"	PP
1A100MG0338PV	DN1/8"/1/4"	G3/8"	PVDF
1A100MG0512PP	DN1/6"/1/4"	G1/2"	PP
1A100MG0512PV	DN1/6"/1/4"	G1/2"	PVDF
1A100MG0514PP	DN1/6"/1/4"	G1/4"	PP
1A100MG0514PV	DN1/6"/1/4"	G1/4"	PVDF
1A100MG0518PP	DN1/6"/1/4"	G1/8"	PP
1A100MG0518PV	DN1/6"/1/4"	G1/8"	PVDF
1A100MG0538PP	DN1/6"/1/4"	G3/8"	PP
1A100MG0538PV	DN1/6"/1/4"	G3/8"	PVDF
1A100MG0612PV	DN3/16"/1/4"	G1/2"	PVDF
1A100MG0614PV	DN3/16"/1/4"	G1/4"	PVDF
1A100MG0618PV	DN3/16"/1/4"	G1/8"	PVDF
1A100MG1112PP	DN1/4"/3/8"	G1/2"	PP
1A100MG1112PV	DN1/4"/3/8"	G1/2"	PVDF
1A100MG1114PP	DN1/4"/3/8"	G1/4"	PP
1A100MG1114PPFP	DN1/4"/3/8"	G1/4"	PP/FPM
1A100MG1114PV	DN1/4"/3/8"	G1/4"	PVDF
1A100MG1118PP	DN1/4"/3/8"	G1/8"	PP
1A100MG1118PV	DN1/4"/3/8"	G1/8"	PVDF
1A100MG1134PP	DN1/4"/3/8"	G3/4"	PP
1A100MG1138PP	DN1/4"/3/8"	G3/8"	PP
1A100MG1138PV	DN1/4"/3/8"	G3/8"	PVDF
1A100MG1218PV	DN5/16"/3/8"	G1/8"	PVDF
1A100MG1238PV	DN5/16"/3/8"	G3/8"	PVDF
1A100MG1512PP	DN3/8"/1/2"	G1/2"	PP
1A100MG1512PV	DN3/8"/1/2"	G1/2"	PVDF
1A100MG1514PP	DN3/8"/1/2"	G1/4"	PP
1A100MG1514PV	DN3/8"/1/2"	G1/4"	PVDF
1A100MG1538PP	DN3/8"/1/2"	G3/8"	PP
1A100MG1538PV	DN3/8"/1/2"	G3/8"	PVDF
1A100MG2012PP	DN5/8"/3/4"	G1/2"	PP
1A100MG2012PV	DN5/8"/3/4"	G1/2"	PVDF
1A100MG2034PV	DN5/8"/3/4"	G3/4"	PVDF
1A100MG4012PAFP	DN04/06	G1/2"	PA/FPM
1A100MG4012PN	DN04/06	G1/2"	PP-NATUR
1A100MG4012PP	DN04/06	G1/2"	PP
1A100MG4012PPEP	DN04/06	G1/2"	PP/EPDM
1A100MG4012PPFP	DN04/06	G1/2"	PP/FPM
1A100MG4012PV	DN04/06	G1/2"	PVDF
1A100MG4012PVEP	DN04/06	G1/2"	PVDF/EPDM
1A100MG4012PVFP	DN04/06	G1/2"	PVDF/FPM
1A100MG4014PAEP	DN04/06	G1/4"	PA/EPDM
1A100MG4014PAFP	DN04/06	G1/4"	PA/FPM
1A100MG4014PN	DN04/06	G1/4"	PP-NATUR
1A100MG4014PNFP	DN04/06	G1/4"	PP-NATUR/FPM
1A100MG4014PP	DN04/06	G1/4"	PP
1A100MG4014PPEL	DN04/06	G1/4"	PP- CONDUCTIVE
1A100MG4014PPEP	DN04/06	G1/4"	PP/EPDM
1A100MG4014PPFP	DN04/06	G1/4"	PP/FPM
1A100MG4014PV	DN04/06	G1/4"	PVDF
1A100MG4014PVEP	DN04/06	G1/4"	PVDF/EPDM

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Straight connector for flexible tube (Series 1A)  
with male G-thread

# 1

Article-Nr	Connection A	Connection B	Material
1A100MG4014PVFP	DN04/06	G1/4"	PVDF/FPM
1A100MG4018PAEP	DN04/06	G1/8"	PA/EPDM
1A100MG4018PAFP	DN04/06	G1/8"	PA/FPM
1A100MG4018PN	DN04/06	G1/8"	PP-NATUR
1A100MG4018PNFP	DN04/06	G1/8"	PP-NATUR/FPM
1A100MG4018PP	DN04/06	G1/8"	PP
1A100MG4018PPEP	DN04/06	G1/8"	PP/EPDM
1A100MG4018PPFP	DN04/06	G1/8"	PP/FPM
1A100MG4018PV	DN04/06	G1/8"	PVDF
1A100MG4018PVEP	DN04/06	G1/8"	PVDF/EPDM
1A100MG4018PVFP	DN04/06	G1/8"	PVDF/FPM
1A100MG4034PP	DN04/06	G3/4"	PP
1A100MG4034PV	DN04/06	G3/4"	PVDF
1A100MG4034PVFP	DN04/06	G3/4"	PVDF/FPM
1A100MG4038PN	DN04/06	G3/8"	PP-NATUR
1A100MG4038PP	DN04/06	G3/8"	PP
1A100MG4038PPEP	DN04/06	G3/8"	PP/EPDM
1A100MG4038PPFP	DN04/06	G3/8"	PP/FPM
1A100MG4038PV	DN04/06	G3/8"	PVDF
1A100MG4038PVFP	DN04/06	G3/8"	PVDF/FPM
1A100MG4212PP	DN05/08	G1/2"	PP
1A100MG4212PPFP	DN05/08	G1/2"	PP/FPM
1A100MG4212PV	DN05/08	G1/2"	PVDF
1A100MG4214PN	DN05/08	G1/4"	PP-NATUR
1A100MG4214PP	DN05/08	G1/4"	PP
1A100MG4214PV	DN05/08	G1/4"	PVDF
1A100MG4218PN	DN05/08	G1/8"	PP-NATUR
1A100MG4218PP	DN05/08	G1/8"	PP
1A100MG4218PV	DN05/08	G1/8"	PVDF
1A100MG4238PP	DN05/08	G3/8"	PP
1A100MG4238PPFP	DN05/08	G3/8"	PP/FPM
1A100MG4238PV	DN05/08	G3/8"	PVDF
1A100MG4312PN	DN06/08	G1/2"	PP-NATUR
1A100MG4312PP	DN06/08	G1/2"	PP
1A100MG4312PPEP	DN06/08	G1/2"	PP/EPDM
1A100MG4312PPFP	DN06/08	G1/2"	PP/FPM
1A100MG4312PV	DN06/08	G1/2"	PVDF
1A100MG4312PVEP	DN06/08	G1/2"	PVDF/EPDM
1A100MG4312PVFP	DN06/08	G1/2"	PVDF/FPM
1A100MG4314PAEP	DN06/08	G1/4"	PA/EPDM
1A100MG4314PN	DN06/08	G1/4"	PP-NATUR
1A100MG4314PNEP	DN06/08	G1/4"	PP-NATUR/EPDM
1A100MG4314PNFP	DN06/08	G1/4"	PP-NATUR/FPM
1A100MG4314PP	DN06/08	G1/4"	PP
1A100MG4314PPEP	DN06/08	G1/4"	PP/EPDM
1A100MG4314PPFP	DN06/08	G1/4"	PP/FPM
1A100MG4314PV	DN06/08	G1/4"	PVDF
1A100MG4314PVEP	DN06/08	G1/4"	PVDF/EPDM
1A100MG4314PVFP	DN06/08	G1/4"	PVDF/FPM
1A100MG4318PN	DN06/08	G1/8"	PP-NATUR
1A100MG4318PNFP	DN06/08	G1/8"	PP-NATUR/FPM
1A100MG4318PP	DN06/08	G1/8"	PP
1A100MG4318PPEP	DN06/08	G1/8"	PP/EPDM
1A100MG4318PPFP	DN06/08	G1/8"	PP/FPM
1A100MG4318PV	DN06/08	G1/8"	PVDF
1A100MG4318PVEP	DN06/08	G1/8"	PVDF/EPDM
1A100MG4318PVFP	DN06/08	G1/8"	PVDF/FPM
1A100MG4334PP	DN06/08	G3/4"	PP
1A100MG4334PV	DN06/08	G3/4"	PVDF
1A100MG4338PAEP	DN06/08	G3/8"	PA/EPDM
1A100MG4338PN	DN06/08	G3/8"	PP-NATUR

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**Straight connector for flexible tube (Series 1A)  
with male G-thread**

# 1

Article-Nr	Connection A	Connection B	Material
1A100MG4338PP	DN06/08	G3/8"	PP
1A100MG4338PPFP	DN06/08	G3/8"	PP/FPM
1A100MG4338PV	DN06/08	G3/8"	PVDF
1A100MG4338PVFP	DN06/08	G3/8"	PVDF/FPM
1A100MG4412PAEP	DN06/10	G1/2"	PA/EPDM
1A100MG4412PP	DN06/10	G1/2"	PP
1A100MG4412PPFP	DN06/10	G1/2"	PP/FPM
1A100MG4412PV	DN06/10	G1/2"	PVDF
1A100MG4412PVFP	DN06/10	G1/2"	PVDF/FPM
1A100MG4414PAEP	DN06/10	G1/4"	PA/EPDM
1A100MG4414PP	DN06/10	G1/4"	PP
1A100MG4414PV	DN06/10	G1/4"	PVDF
1A100MG4414PVFP	DN06/10	G1/4"	PVDF/FPM
1A100MG4418PAEP	DN06/10	G1/8"	PA/EPDM
1A100MG4418PP	DN06/10	G1/8"	PP
1A100MG4418PV	DN06/10	G1/8"	PVDF
1A100MG4418PVFP	DN06/10	G1/8"	PVDF/FPM
1A100MG4438PAEP	DN06/10	G3/8"	PA/EPDM
1A100MG4438PP	DN06/10	G3/8"	PP
1A100MG4438PPFP	DN06/10	G3/8"	PP/FPM
1A100MG4438PV	DN06/10	G3/8"	PVDF
1A100MG4438PVFP	DN06/10	G3/8"	PVDF/FPM
1A100MG4512PAEP	DN08/10	G1/2"	PA/EPDM
1A100MG4512PN	DN08/10	G1/2"	PP-NATUR
1A100MG4512PP	DN08/10	G1/2"	PP
1A100MG4512PPEP	DN08/10	G1/2"	PP/EPDM
1A100MG4512PPFP	DN08/10	G1/2"	PP/FPM
1A100MG4512PV	DN08/10	G1/2"	PVDF
1A100MG4512PVEP	DN08/10	G1/2"	PVDF/EPDM
1A100MG4512PVFP	DN08/10	G1/2"	PVDF/FPM
1A100MG4514PAEP	DN08/10	G1/4"	PA/EPDM
1A100MG4514PN	DN08/10	G1/4"	PP-NATUR
1A100MG4514PNEP	DN08/10	G1/4"	PP- NATUR/EPDM
1A100MG4514PP	DN08/10	G1/4"	PP
1A100MG4514PPEP	DN08/10	G1/4"	PP/EPDM
1A100MG4514PPFP	DN08/10	G1/4"	PP/FPM
1A100MG4514PV	DN08/10	G1/4"	PVDF
1A100MG4514PVEP	DN08/10	G1/4"	PVDF/EPDM
1A100MG4514PVFP	DN08/10	G1/4"	PVDF/FPM
1A100MG4518PAEP	DN08/10	G1/8"	PA/EPDM
1A100MG4518PN	DN08/10	G1/8"	PP-NATUR
1A100MG4518PP	DN08/10	G1/8"	PP
1A100MG4518PPEP	DN08/10	G1/8"	PP/EPDM
1A100MG4518PPFP	DN08/10	G1/8"	PP/FPM
1A100MG4518PV	DN08/10	G1/8"	PVDF
1A100MG4518PVEP	DN08/10	G1/8"	PVDF/EPDM
1A100MG4518PVFP	DN08/10	G1/8"	PVDF/FPM
1A100MG4534PP	DN08/10	G3/4"	PP
1A100MG4534PV	DN08/10	G3/4"	PVDF
1A100MG4538PAEP	DN08/10	G3/8"	PA/EPDM
1A100MG4538PN	DN08/10	G3/8"	PP-NATUR
1A100MG4538PP	DN08/10	G3/8"	PP
1A100MG4538PPEP	DN08/10	G3/8"	PP/EPDM
1A100MG4538PPFP	DN08/10	G3/8"	PP/FPM
1A100MG4538PV	DN08/10	G3/8"	PVDF
1A100MG4538PVFP	DN08/10	G3/8"	PVDF/FPM
1A100MG4612PAEP	DN08/12	G1/2"	PA/EPDM
1A100MG4612PP	DN08/12	G1/2"	PP
1A100MG4612PPFP	DN08/12	G1/2"	PP/FPM
1A100MG4612PV	DN08/12	G1/2"	PVDF
1A100MG4612PVFP	DN08/12	G1/2"	PVDF/FPM

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**Straight connector for flexible tube (Series 1A)  
with male G-thread**

**1**

Article-Nr	Connection A	Connection B	Material
1A100MG4614PAEP	DN08/12	G1/4"	PA/EPDM
1A100MG4614PN	DN08/12	G1/4"	PP-NATUR
1A100MG4614PP	DN08/12	G1/4"	PP
1A100MG4614PPFP	DN08/12	G1/4"	PP/FPM
1A100MG4614PV	DN08/12	G1/4"	PVDF
1A100MG4614PVFP	DN08/12	G1/4"	PVDF/FPM
1A100MG4618PP	DN08/12	G1/8"	PP
1A100MG4618PV	DN08/12	G1/8"	PVDF
1A100MG4634PP	DN08/12	G3/4"	PP
1A100MG4634PV	DN08/12	G3/4"	PVDF
1A100MG4638PAEP	DN08/12	G3/8"	PA/EPDM
1A100MG4638PP	DN08/12	G3/8"	PP
1A100MG4638PPEP	DN08/12	G3/8"	PP/EPDM
1A100MG4638PPFP	DN08/12	G3/8"	PP/FPM
1A100MG4638PV	DN08/12	G3/8"	PVDF
1A100MG4638PVFP	DN08/12	G3/8"	PVDF/FPM
1A100MG4712PN	DN09/12	G1/2"	PP-NATUR
1A100MG4712PP	DN09/12	G1/2"	PP
1A100MG4712PV	DN09/12	G1/2"	PVDF
1A100MG4714PN	DN09/12	G1/4"	PP-NATUR
1A100MG4714PP	DN09/12	G1/4"	PP
1A100MG4714PV	DN09/12	G1/4"	PVDF
1A100MG4714PVFP	DN09/12	G1/4"	PVDF/FPM
1A100MG4718PP	DN09/12	G1/8"	PP
1A100MG4718PPEP	DN09/12	G1/8"	PP/EPDM
1A100MG4734PN	DN09/12	G3/4"	PP-NATUR
1A100MG4734PP	DN09/12	G3/4"	PP
1A100MG4734PV	DN09/12	G3/4"	PVDF
1A100MG4738PN	DN09/12	G3/8"	PP-NATUR
1A100MG4738PP	DN09/12	G3/8"	PP
1A100MG4738PPEP	DN09/12	G3/8"	PP/EPDM
1A100MG4738PV	DN09/12	G3/8"	PVDF
1A100MG4812PAEP	DN10/12	G1/2"	PA/EPDM
1A100MG4812PN	DN10/12	G1/2"	PP-NATUR
1A100MG4812PP	DN10/12	G1/2"	PP
1A100MG4812PPEL	DN10/12	G1/2"	PP- CONDUCTIVE
1A100MG4812PPFP	DN10/12	G1/2"	PP/FPM
1A100MG4812PV	DN10/12	G1/2"	PVDF
1A100MG4812PVFP	DN10/12	G1/2"	PVDF/FPM
1A100MG4814PAEP	DN10/12	G1/4"	PA/EPDM
1A100MG4814PN	DN10/12	G1/4"	PP-NATUR
1A100MG4814PP	DN10/12	G1/4"	PP
1A100MG4814PPFP	DN10/12	G1/4"	PP/FPM
1A100MG4814PV	DN10/12	G1/4"	PVDF
1A100MG4814PVEP	DN10/12	G1/4"	PVDF/EPDM
1A100MG4814PVFP	DN10/12	G1/4"	PVDF/FPM
1A100MG4818PN	DN10/12	G1/8"	PP-NATUR
1A100MG4818PP	DN10/12	G1/8"	PP
1A100MG4818PPFP	DN10/12	G1/8"	PP/FPM
1A100MG4818PV	DN10/12	G1/8"	PVDF
1A100MG4834PN	DN10/12	G3/4"	PP-NATUR
1A100MG4834PP	DN10/12	G3/4"	PP
1A100MG4834PV	DN10/12	G3/4"	PVDF
1A100MG4838PAEP	DN10/12	G3/8"	PA/EPDM
1A100MG4838PN	DN10/12	G3/8"	PP-NATUR
1A100MG4838PNFP	DN10/12	G3/8"	PP-NATUR/FPM
1A100MG4838PP	DN10/12	G3/8"	PP
1A100MG4838PPFP	DN10/12	G3/8"	PP/FPM
1A100MG4838PV	DN10/12	G3/8"	PVDF
1A100MG4838PVFP	DN10/12	G3/8"	PVDF/FPM
1A100MG4912PAEP	DN10/14	G1/2"	PA/EPDM

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Straight connector for flexible tube (Series 1A)  
with male G-thread

# 1

Article-Nr	Connection A	Connection B	Material
1A100MG4912PP	DN10/14	G1/2"	PP
1A100MG4912PPEP	DN10/14	G1/2"	PP/EPDM
1A100MG4912PPFP	DN10/14	G1/2"	PP/FPM
1A100MG4912PV	DN10/14	G1/2"	PVDF
1A100MG4912PVFP	DN10/14	G1/2"	PVDF/FPM
1A100MG4914PP	DN10/14	G1/4"	PP
1A100MG4914PV	DN10/14	G1/4"	PVDF
1A100MG4918PP	DN10/14	G1/8"	PP
1A100MG4918PV	DN10/14	G1/8"	PVDF
1A100MG4934PP	DN10/14	G3/4"	PP
1A100MG4934PV	DN10/14	G3/4"	PVDF
1A100MG4938PN	DN10/14	G3/8"	PP-NATUR
1A100MG4938PP	DN10/14	G3/8"	PP
1A100MG4938PPFP	DN10/14	G3/8"	PP/FPM
1A100MG4938PV	DN10/14	G3/8"	PVDF
1A100MG5112PN	DN12/14	G1/2"	PP-NATUR
1A100MG5112PP	DN12/14	G1/2"	PP
1A100MG5112PPEL	DN12/14	G1/2"	PP- CONDUCTIVE
1A100MG5112PPFP	DN12/14	G1/2"	PP/FPM
1A100MG5112PV	DN12/14	G1/2"	PVDF
1A100MG5112PVEL	DN12/14	G1/2"	PVDF LEITFÄHIG
1A100MG5114PP	DN12/14	G1/4"	PP
1A100MG5114PV	DN12/14	G1/4"	PVDF
1A100MG5118PP	DN12/14	G1/8"	PP
1A100MG5118PV	DN12/14	G1/8"	PVDF
1A100MG5134PP	DN12/14	G3/4"	PP
1A100MG5134PV	DN12/14	G3/4"	PVDF
1A100MG5138PAEP	DN12/14	G3/8"	PA/EPDM
1A100MG5138PN	DN12/14	G3/8"	PP-NATUR
1A100MG5138PP	DN12/14	G3/8"	PP
1A100MG5138PV	DN12/14	G3/8"	PVDF
1A100MG5138PVFP	DN12/14	G3/8"	PVDF/FPM
1A100MG5212PP	DN12/16	G1/2"	PP
1A100MG5212PPEP	DN12/16	G1/2"	PP/EPDM
1A100MG5212PV	DN12/16	G1/2"	PVDF
1A100MG5212PVFP	DN12/16	G1/2"	PVDF/FPM
1A100MG5214PP	DN12/16	G1/4"	PP
1A100MG5214PV	DN12/16	G1/4"	PVDF
1A100MG5238PP	DN12/16	G3/8"	PP
1A100MG5238PV	DN12/16	G3/8"	PVDF
1A100MG5312PN	DN14/16	G1/2"	PP-NATUR
1A100MG5312PP	DN14/16	G1/2"	PP
1A100MG5312PV	DN14/16	G1/2"	PVDF
1A100MG5314PP	DN14/16	G1/4"	PP
1A100MG5314PV	DN14/16	G1/4"	PVDF
1A100MG5334PV	DN14/16	G3/4"	PVDF
1A100MG5338PP	DN14/16	G3/8"	PP
1A100MG5338PV	DN14/16	G3/8"	PVDF
1A100MG5412PP	DN14/18	G1/2"	PP
1A100MG5412PV	DN14/18	G1/2"	PVDF
1A100MG5414PP	DN14/18	G1/4"	PP
1A100MG5414PV	DN14/18	G1/4"	PVDF
1A100MG5438PP	DN14/18	G3/8"	PP
1A100MG5438PV	DN14/18	G3/8"	PVDF
1A100MG5512PP	DN16/18	G1/2"	PP
1A100MG5512PPFP	DN16/18	G1/2"	PP/FPM
1A100MG5512PV	DN16/18	G1/2"	PVDF
1A100MG5514PP	DN16/18	G1/4"	PP
1A100MG5514PV	DN16/18	G1/4"	PVDF
1A100MG5534PP	DN16/18	G3/4"	PP

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**Straight connector for flexible tube (Series 1A)  
with male G-thread**

# 1

Article-Nr	Connection A	Connection B	Material
1A100MG5534PV	DN16/18	G3/4"	PVDF
1A100MG5538PP	DN16/18	G3/8"	PP
1A100MG5538PV	DN16/18	G3/8"	PVDF
1A100MG5612PN	DN16/20	G1/2"	PP-NATUR
1A100MG5612PP	DN16/20	G1/2"	PP
1A100MG5612PV	DN16/20	G1/2"	PVDF
1A100MG5612PVEP	DN16/20	G1/2"	PVDF/EPDM
1A100MG5612PVFP	DN16/20	G1/2"	PVDF/FPM
1A100MG5614PP	DN16/20	G1/4"	PP
1A100MG5614PV	DN16/20	G1/4"	PVDF
1A100MG5634PP	DN16/20	G3/4"	PP
1A100MG5634PV	DN16/20	G3/4"	PVDF
1A100MG5638PP	DN16/20	G3/8"	PP
1A100MG5638PV	DN16/20	G3/8"	PVDF
1A100MG5712PP	DN18/20	G1/2"	PP
1A100MG5712PV	DN18/20	G1/2"	PVDF
1A100MG5714PP	DN18/20	G1/4"	PP
1A100MG5714PV	DN18/20	G1/4"	PVDF
1A100MG5734PP	DN18/20	G3/4"	PP
1A100MG5734PV	DN18/20	G3/4"	PVDF
1A100MG5734PVFP	DN18/20	G3/4"	PVDF/FPM
1A100MG5738PP	DN18/20	G3/8"	PP
1A100MG5738PV	DN18/20	G3/8"	PVDF
1A100MG7712PP	DN06/09	G1/2"	PP
1A100MG7712PV	DN06/09	G1/2"	PVDF

**Dimensions 1A100MG. . . , 1C100MG. . .**

A(DN)		B(G)		l2	~L3*	SW3	
4/6		1/6"/1/4"	1/8"	8	23.5	14	
4/6		1/6"/1/4"	1/4"	12	25	17	
4/6		1/6"/1/4"	3/8"	12	26.5	22	
4/6		1/6"/1/4"	1/2"	14	29	27	
5/8	6/8		1/8"	8	28.5	17	
5/8	6/8		1/4"	12	29	17	
5/8	6/8		3/8"	12	30.5	22	
5/8	6/8		1/2"	14	33	27	
6/9			1/8"	8	32.5	19	
6/9			1/4"	12	33	19	
6/9			3/8"	12	33.5	22	
6/9			1/2"	14	36	27	
6/10	8/10	1/4"/3/8"	1/8"	8	32.5	19	
6/10	8/10	1/4"/3/8"	1/4"	12	33	19	
6/10	8/10	1/4"/3/8"	3/8"	12	33.5	22	
6/10	8/10	1/4"/3/8"	1/2"	14	36	27	
8/12	9/12	10/12	3/8"/1/2"	1/8"	8	36.5	22
8/12	9/12	10/12	3/8"/1/2"	1/4"	12	37	22
8/12	9/12	10/12	3/8"/1/2"	3/8"	12	37.5	22
8/12	9/12	10/12	3/8"/1/2"	1/2"	14	40	27
8/12	9/12	10/12	3/8"/1/2"	3/4"	16	42	32
10/14	12/14		1/8"	8	42.5	24	
10/14	12/14		1/4"	12	43	24	
10/14	12/14		3/8"	12	43.5	24	
10/14	12/14		1/2"	14	45	27	
10/14	12/14		3/4"	16	48	32	
12/16	14/16		1/4"	12	46	27	
12/16	14/16		3/8"	12	46.5	27	
12/16	14/16		1/2"	14	47	27	
12/16	14/16		3/4"	16	50	32	
14/18	16/18		1/4"	12	49	27	
14/18	16/18		3/8"	12	49.5	27	
14/18	16/18		1/2"	14	50	27	

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## Straight connector for flexible tube (Series 1A) with male G-thread

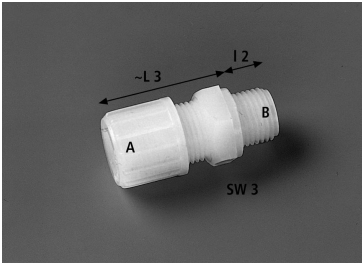
# 1

	A(DN)		B(G)	l2	~L3*	SW3
14/18	16/18		3/4"	16	53	32
16/20	18/20	5/8"/3/4"	1/4"	14	55	32
16/20	18/20	5/8"/3/4"	3/8"	14	55	32
16/20	18/20	5/8"/3/4"	1/2"	16	55	32
16/20	18/20	5/8"/3/4"	3/4"	16	55	32

\* for connections in inch add 2 mm per side

**Straight connector for flexible tube (Series 1A)  
with male M-thread**

**1**



Article-Nr	Connection A	Connection B	Material
1A100MM0515PP	DN1/6"/1/4"	M12x1,5	PP
1A100MM1519PVFP	DN3/8"/1/2"	M16x1,5	PVDF/FPM
1A100MM4005PP	DN04/06	M5	PP
1A100MM4005PV	DN04/06	M5	PVDF
1A100MM4006PN	DN04/06	M6	PP-NATUR
1A100MM4006PP	DN04/06	M6	PP
1A100MM4006PPEP	DN04/06	M6	PP/EPDM
1A100MM4006PPFP	DN04/06	M6	PP/FPM
1A100MM4006PV	DN04/06	M6	PVDF
1A100MM4008PP	DN04/06	M8	PP
1A100MM4008PV	DN04/06	M8	PVDF
1A100MM4011PAEP	DN04/06	M10x1	PA/EPDM
1A100MM4011PP	DN04/06	M10x1	PP
1A100MM4011PPFP	DN04/06	M10x1	PP/FPM
1A100MM4011PV	DN04/06	M10x1	PVDF
1A100MM4011PVFP	DN04/06	M10x1	PVDF/FPM
1A100MM4012PAEP	DN04/06	M10x1,5	PA/EPDM
1A100MM4012PP	DN04/06	M10x1,5	PP
1A100MM4012PPFP	DN04/06	M10x1,5	PP/FPM
1A100MM4012PV	DN04/06	M10x1,5	PVDF
1A100MM4012PVFP	DN04/06	M10x1,5	PVDF/FPM
1A100MM4014PAEP	DN04/06	M12x1	PA/EPDM
1A100MM4014PP	DN04/06	M12x1	PP
1A100MM4014PPFP	DN04/06	M12x1	PP/FPM
1A100MM4014PV	DN04/06	M12x1	PVDF
1A100MM4014PVFP	DN04/06	M12x1	PVDF/FPM
1A100MM4015PAEP	DN04/06	M12x1,5	PA/EPDM
1A100MM4015PN	DN04/06	M12x1,5	PP-NATUR
1A100MM4015PP	DN04/06	M12x1,5	PP
1A100MM4015PPFP	DN04/06	M12x1,5	PP/FPM
1A100MM4015PV	DN04/06	M12x1,5	PVDF
1A100MM4015PVFP	DN04/06	M12x1,5	PVDF/FPM
1A100MM4017PP	DN04/06	M14x1,5	PP
1A100MM4017PV	DN04/06	M14x1,5	PVDF
1A100MM4019PAEP	DN04/06	M16x1,5	PA/EPDM
1A100MM4019PP	DN04/06	M16x1,5	PP
1A100MM4019PPFP	DN04/06	M16x1,5	PP/FPM
1A100MM4019PV	DN04/06	M16x1,5	PVDF
1A100MM4019PVFP	DN04/06	M16x1,5	PVDF/FPM
1A100MM4021PAEP	DN04/06	M18x1,5	PA/EPDM
1A100MM4021PP	DN04/06	M18x1,5	PP
1A100MM4021PPFP	DN04/06	M18x1,5	PP/FPM
1A100MM4021PV	DN04/06	M18x1,5	PVDF
1A100MM4021PVFP	DN04/06	M18x1,5	PVDF/FPM
1A100MM4023PP	DN04/06	M20x1,5	PP
1A100MM4023PV	DN04/06	M20x1,5	PVDF
1A100MM4311PAEP	DN06/08	M10x1	PA/EPDM
1A100MM4311PP	DN06/08	M10x1	PP
1A100MM4311PPFP	DN06/08	M10x1	PP/FPM
1A100MM4311PV	DN06/08	M10x1	PVDF
1A100MM4311PVFP	DN06/08	M10x1	PVDF/FPM
1A100MM4312PN	DN06/08	M10x1,5	PP-NATUR
1A100MM4312PP	DN06/08	M10x1,5	PP
1A100MM4312PPEP	DN06/08	M10x1,5	PP/EPDM
1A100MM4312PPFP	DN06/08	M10x1,5	PP/FPM
1A100MM4312PV	DN06/08	M10x1,5	PVDF
1A100MM4312PVFP	DN06/08	M10x1,5	PVDF/FPM
1A100MM4315PAEP	DN06/08	M12x1,5	PA/EPDM
1A100MM4315PP	DN06/08	M12x1,5	PP
1A100MM4315PPFP	DN06/08	M12x1,5	PP/FPM
1A100MM4315PV	DN06/08	M12x1,5	PVDF
1A100MM4315PVFP	DN06/08	M12x1,5	PVDF/FPM

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**Straight connector for flexible tube (Series 1A)  
with male M-thread**

# 1

Article-Nr	Connection A	Connection B	Material
1A100MM4317PAEP	DN06/08	M14x1,5	PA/EPDM
1A100MM4317PP	DN06/08	M14x1,5	PP
1A100MM4317PPFP	DN06/08	M14x1,5	PP/FPM
1A100MM4317PV	DN06/08	M14x1,5	PVDF
1A100MM4317PVFP	DN06/08	M14x1,5	PVDF/FPM
1A100MM4319PAEP	DN06/08	M16x1,5	PA/EPDM
1A100MM4319PP	DN06/08	M16x1,5	PP
1A100MM4319PPFP	DN06/08	M16x1,5	PP/FPM
1A100MM4319PV	DN06/08	M16x1,5	PVDF
1A100MM4319PVFP	DN06/08	M16x1,5	PVDF/FPM
1A100MM4323PV	DN06/08	M20x1,5	PVDF
1A100MM4410PP	DN06/10	M9x1,25	PP
1A100MM4411PAEP	DN06/10	M10x1	PA/EPDM
1A100MM4411PP	DN06/10	M10x1	PP
1A100MM4411PPFP	DN06/10	M10x1	PP/FPM
1A100MM4411PV	DN06/10	M10x1	PVDF
1A100MM4411PVFP	DN06/10	M10x1	PVDF/FPM
1A100MM4412PP	DN06/10	M10x1,5	PP
1A100MM4412PV	DN06/10	M10x1,5	PVDF
1A100MM4415PAEP	DN06/10	M12x1,5	PA/EPDM
1A100MM4415PP	DN06/10	M12x1,5	PP
1A100MM4415PPFP	DN06/10	M12x1,5	PP/FPM
1A100MM4415PV	DN06/10	M12x1,5	PVDF
1A100MM4415PVFP	DN06/10	M12x1,5	PVDF/FPM
1A100MM4417PAEP	DN06/10	M14x1,5	PA/EPDM
1A100MM4417PP	DN06/10	M14x1,5	PP
1A100MM4417PPFP	DN06/10	M14x1,5	PP/FPM
1A100MM4417PV	DN06/10	M14x1,5	PVDF
1A100MM4417PVFP	DN06/10	M14x1,5	PVDF/FPM
1A100MM4419PAEP	DN06/10	M16x1,5	PA/EPDM
1A100MM4419PP	DN06/10	M16x1,5	PP
1A100MM4419PPFP	DN06/10	M16x1,5	PP/FPM
1A100MM4419PV	DN06/10	M16x1,5	PVDF
1A100MM4419PVFP	DN06/10	M16x1,5	PVDF/FPM
1A100MM4421PAEP	DN06/10	M18x1,5	PA/EPDM
1A100MM4421PP	DN06/10	M18x1,5	PP
1A100MM4421PPFP	DN06/10	M18x1,5	PP/FPM
1A100MM4421PV	DN06/10	M18x1,5	PVDF
1A100MM4421PVFP	DN06/10	M18x1,5	PVDF/FPM
1A100MM4511PAEP	DN08/10	M10x1	PA/EPDM
1A100MM4511PP	DN08/10	M10x1	PP
1A100MM4511PPFP	DN08/10	M10x1	PP/FPM
1A100MM4511PV	DN08/10	M10x1	PVDF
1A100MM4511PVFP	DN08/10	M10x1	PVDF/FPM
1A100MM4512PP	DN08/10	M10x1,5	PP
1A100MM4512PV	DN08/10	M10x1,5	PVDF
1A100MM4515PAEP	DN08/10	M12x1,5	PA/EPDM
1A100MM4515PP	DN08/10	M12x1,5	PP
1A100MM4515PPFP	DN08/10	M12x1,5	PP/FPM
1A100MM4515PV	DN08/10	M12x1,5	PVDF
1A100MM4515PVFP	DN08/10	M12x1,5	PVDF/FPM
1A100MM4517PAEP	DN08/10	M14x1,5	PA/EPDM
1A100MM4517PP	DN08/10	M14x1,5	PP
1A100MM4517PPFP	DN08/10	M14x1,5	PP/FPM
1A100MM4517PV	DN08/10	M14x1,5	PVDF
1A100MM4517PVFP	DN08/10	M14x1,5	PVDF/FPM
1A100MM4519PAEP	DN08/10	M16x1,5	PA/EPDM
1A100MM4519PP	DN08/10	M16x1,5	PP
1A100MM4519PPFP	DN08/10	M16x1,5	PP/FPM
1A100MM4519PV	DN08/10	M16x1,5	PVDF
1A100MM4519PVFP	DN08/10	M16x1,5	PVDF/FPM
1A100MM4521PAEP	DN08/10	M18x1,5	PA/EPDM

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**Straight connector for flexible tube (Series 1A)  
with male M-thread**

# 1

Article-Nr	Connection A	Connection B	Material
1A100MM4521PP	DN08/10	M18x1,5	PP
1A100MM4521PPFP	DN08/10	M18x1,5	PP/FPM
1A100MM4521PV	DN08/10	M18x1,5	PVDF
1A100MM4521PVFP	DN08/10	M18x1,5	PVDF/FPM
1A100MM4523PP	DN08/10	M20x1,5	PP
1A100MM4523PV	DN08/10	M20x1,5	PVDF
1A100MM4612PP	DN08/12	M10x1,5	PP
1A100MM4615PAEP	DN08/12	M12x1,5	PA/EPDM
1A100MM4615PP	DN08/12	M12x1,5	PP
1A100MM4615PPFP	DN08/12	M12x1,5	PP/FPM
1A100MM4615PV	DN08/12	M12x1,5	PVDF
1A100MM4615PVFP	DN08/12	M12x1,5	PVDF/FPM
1A100MM4617PAEP	DN08/12	M14x1,5	PA/EPDM
1A100MM4617PP	DN08/12	M14x1,5	PP
1A100MM4617PPFP	DN08/12	M14x1,5	PP/FPM
1A100MM4617PVFP	DN08/12	M14x1,5	PVDF/FPM
1A100MM4619PAEP	DN08/12	M16x1,5	PA/EPDM
1A100MM4619PP	DN08/12	M16x1,5	PP
1A100MM4619PPFP	DN08/12	M16x1,5	PP/FPM
1A100MM4619PV	DN08/12	M16x1,5	PVDF
1A100MM4619PVFP	DN08/12	M16x1,5	PVDF/FPM
1A100MM4621PAEP	DN08/12	M18x1,5	PA/EPDM
1A100MM4621PP	DN08/12	M18x1,5	PP
1A100MM4621PPFP	DN08/12	M18x1,5	PP/FPM
1A100MM4621PV	DN08/12	M18x1,5	PVDF
1A100MM4621PVFP	DN08/12	M18x1,5	PVDF/FPM
1A100MM4624PP	DN08/12	M22x1,5	PP
1A100MM4715PP	DN09/12	M12x1,5	PP
1A100MM4812PP	DN10/12	M10x1,5	PP
1A100MM4812PV	DN10/12	M10x1,5	PVDF
1A100MM4815PAEP	DN10/12	M12x1,5	PA/EPDM
1A100MM4815PP	DN10/12	M12x1,5	PP
1A100MM4815PPFP	DN10/12	M12x1,5	PP/FPM
1A100MM4815PV	DN10/12	M12x1,5	PVDF
1A100MM4815PVFP	DN10/12	M12x1,5	PVDF/FPM
1A100MM4817PAEP	DN10/12	M14x1,5	PA/EPDM
1A100MM4817PP	DN10/12	M14x1,5	PP
1A100MM4817PPFP	DN10/12	M14x1,5	PP/FPM
1A100MM4817PV	DN10/12	M14x1,5	PVDF
1A100MM4817PVFP	DN10/12	M14x1,5	PVDF/FPM
1A100MM4819PAEP	DN10/12	M16x1,5	PA/EPDM
1A100MM4819PP	DN10/12	M16x1,5	PP
1A100MM4819PPEP	DN10/12	M16x1,5	PP/EPDM
1A100MM4819PPFP	DN10/12	M16x1,5	PP/FPM
1A100MM4819PV	DN10/12	M16x1,5	PVDF
1A100MM4819PVFP	DN10/12	M16x1,5	PVDF/FPM
1A100MM4821PAEP	DN10/12	M18x1,5	PA/EPDM
1A100MM4821PP	DN10/12	M18x1,5	PP
1A100MM4821PPEP	DN10/12	M18x1,5	PP/EPDM
1A100MM4821PV	DN10/12	M18x1,5	PVDF
1A100MM4821PVEP	DN10/12	M18x1,5	PVDF/EPDM
1A100MM4823PV	DN10/12	M20x1,5	PVDF
1A100MM4915PAEP	DN10/14	M12x1,5	PA/EPDM
1A100MM4915PP	DN10/14	M12x1,5	PP
1A100MM4915PPFP	DN10/14	M12x1,5	PP/FPM
1A100MM4915PV	DN10/14	M12x1,5	PVDF
1A100MM4915PVFP	DN10/14	M12x1,5	PVDF/FPM
1A100MM4917PAEP	DN10/14	M14x1,5	PA/EPDM
1A100MM4917PP	DN10/14	M14x1,5	PP
1A100MM4917PPFP	DN10/14	M14x1,5	PP/FPM
1A100MM4917PV	DN10/14	M14x1,5	PVDF
1A100MM4917PVFP	DN10/14	M14x1,5	PVDF/FPM

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Article-Nr	Connection A	Connection B	Material
1A100MM4919PAEP	DN10/14	M16x1,5	PA/EPDM
1A100MM4919PP	DN10/14	M16x1,5	PP
1A100MM4919PPFP	DN10/14	M16x1,5	PP/FPM
1A100MM4919PV	DN10/14	M16x1,5	PVDF
1A100MM4919PVFP	DN10/14	M16x1,5	PVDF/FPM
1A100MM4921PAEP	DN10/14	M18x1,5	PA/EPDM
1A100MM4921PP	DN10/14	M18x1,5	PP
1A100MM4921PPFP	DN10/14	M18x1,5	PP/FPM
1A100MM4921PV	DN10/14	M18x1,5	PVDF
1A100MM4921PVFP	DN10/14	M18x1,5	PVDF/FPM
1A100MM5115PAEP	DN12/14	M12x1,5	PA/EPDM
1A100MM5115PP	DN12/14	M12x1,5	PP
1A100MM5115PPFP	DN12/14	M12x1,5	PP/FPM
1A100MM5115PV	DN12/14	M12x1,5	PVDF
1A100MM5115PVFP	DN12/14	M12x1,5	PVDF/FPM
1A100MM5117PAEP	DN12/14	M14x1,5	PA/EPDM
1A100MM5117PP	DN12/14	M14x1,5	PP
1A100MM5117PPFP	DN12/14	M14x1,5	PP/FPM
1A100MM5117PV	DN12/14	M14x1,5	PVDF
1A100MM5117PVFP	DN12/14	M14x1,5	PVDF/FPM
1A100MM5119PAEP	DN12/14	M16x1,5	PA/EPDM
1A100MM5119PP	DN12/14	M16x1,5	PP
1A100MM5119PPFP	DN12/14	M16x1,5	PP/FPM
1A100MM5119PV	DN12/14	M16x1,5	PVDF
1A100MM5119PVFP	DN12/14	M16x1,5	PVDF/FPM
1A100MM5121PAEP	DN12/14	M18x1,5	PA/EPDM
1A100MM5121PP	DN12/14	M18x1,5	PP
1A100MM5121PPFP	DN12/14	M18x1,5	PP/FPM
1A100MM5121PV	DN12/14	M18x1,5	PVDF
1A100MM5121PVFP	DN12/14	M18x1,5	PVDF/FPM
1A100MM5123PV	DN12/14	M20x1,5	PVDF
1A100MM5217PP	DN12/16	M14x1,5	PP
1A100MM5219PV	DN12/16	M16x1,5	PVDF
1A100MM5319PV	DN14/16	M16x1,5	PVDF
1A100MM5524PP	DN16/18	M22x1,5	PP

Dimensions 1A100MM . . . , 1C100MM . . .

A(DN)	B(M)	l2	~L3	SW3	
4/6	5	6	23.5	12	
4/6	6	6	23.5	12	
4/6	10x1	8	23.5	14	
4/6	10x1,5	8	23.5	14	
4/6	12x1,5	12	25	17	
4/6	14x1,5	12	26.5	19	
4/6	16x1,5	12	26.5	22	
4/6	18x1,5	12	28	24	
5/8	6/8	10x1	8	28.5	17
5/8	6/8	10x1,5	8	28.5	17
5/8	6/8	12x1,5	12	29	17
5/8	6/8	14x1,5	12	30.5	19
5/8	6/8	16x1,5	12	30.5	22
5/8	6/8	18x1,5	12	32	24
6/9		10x1	8	31.5	17
6/9		10x1,5	8	31.5	17
6/9		12x1,5	12	32	17
6/9		14x1,5	12	33.5	19
6/9		16x1,5	12	33.5	22
6/9		18x1,5	12	35	24
6/10	8/10	10x1	8	32.5	19
6/10	8/10	10x1,5	8	32.5	19
6/10	8/10	12x1,5	12	33	19

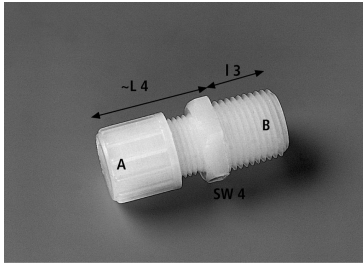
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**Straight connector for flexible tube (Series 1A)  
with male M-thread**

# 1

	A(DN)		B(M)	l2	~L3	SW3
6/10	8/10		14x1,5	12	33.5	19
6/10	8/10		16x1,5	12	33.5	22
6/10	8/10		18x1,5	12	35	24
8/12	9/12	10/12	10x1,5	8	36.5	22
8/12	9/12	10/12	12x1,5	12	37	22
8/12	9/12	10/12	14x1,5	12	37	22
8/12	9/12	10/12	16x1,5	12	37.5	22
8/12	9/12	10/12	18x1,5	12	39	24
10/14	12/14		12x1,5	12	43	24
10/14	12/14		14x1,5	12	43	24
10/14	12/14		16x1,5	12	43.5	24
10/14	12/14		18x1,5	12	44	24
12/16	14/16		12x1,5	12	47	27
12/16	14/16		14x1,5	12	47	27
12/16	14/16		16x1,5	12	47	27
12/16	14/16		18x1,5	12	47	27
14/18	16/18		18x1,5	12	50	27
14/18	16/18		20x1,5	14	50	27
14/18	16/18		22x1,5	14	50	27
14/18	16/18		24x1,5	16	50	27
16/20	18/20		20x1,5	14	55	32
16/20	18/20		22x1,5	14	55	32
16/20	18/20		24x1,5	16	55	32

**Straight connector for flexible tube (Series 1A)  
with male NPT-thread**



Article-Nr	Connection A	Connection B	Material
1A100MN0312PV	DN1/8"/1/4"	NPT1/2"	PVDF
1A100MN0314PN	DN1/8"/1/4"	NPT1/4"	PP-NATUR
1A100MN0314PP	DN1/8"/1/4"	NPT1/4"	PP
1A100MN0314PV	DN1/8"/1/4"	NPT1/4"	PVDF
1A100MN0318PP	DN1/8"/1/4"	NPT1/8"	PP
1A100MN0318PV	DN1/8"/1/4"	NPT1/8"	PVDF
1A100MN0512PP	DN1/6"/1/4"	NPT1/2"	PP
1A100MN0512PV	DN1/6"/1/4"	NPT1/2"	PVDF
1A100MN0514PP	DN1/6"/1/4"	NPT1/4"	PP
1A100MN0514PV	DN1/6"/1/4"	NPT1/4"	PVDF
1A100MN0518PP	DN1/6"/1/4"	NPT1/8"	PP
1A100MN0518PV	DN1/6"/1/4"	NPT1/8"	PVDF
1A100MN0534PV	DN1/6"/1/4"	NPT3/4"	PVDF
1A100MN0614PV	DN3/16"/1/4"	NPT1/4"	PVDF
1A100MN0618PV	DN3/16"/1/4"	NPT1/8"	PVDF
1A100MN1112PN	DN1/4"/3/8"	NPT1/2"	PP-NATUR
1A100MN1112PP	DN1/4"/3/8"	NPT1/2"	PP
1A100MN1112PV	DN1/4"/3/8"	NPT1/2"	PVDF
1A100MN1114PN	DN1/4"/3/8"	NPT1/4"	PP-NATUR
1A100MN1114PP	DN1/4"/3/8"	NPT1/4"	PP
1A100MN1114PV	DN1/4"/3/8"	NPT1/4"	PVDF
1A100MN1118PP	DN1/4"/3/8"	NPT1/8"	PP
1A100MN1118PV	DN1/4"/3/8"	NPT1/8"	PVDF
1A100MN1138PP	DN1/4"/3/8"	NPT3/8"	PP
1A100MN1138PV	DN1/4"/3/8"	NPT3/8"	PVDF
1A100MN1512PP	DN3/8"/1/2"	NPT1/2"	PP
1A100MN1512PV	DN3/8"/1/2"	NPT1/2"	PVDF
1A100MN1514PP	DN3/8"/1/2"	NPT1/4"	PP
1A100MN1514PV	DN3/8"/1/2"	NPT1/4"	PVDF
1A100MN1518PP	DN3/8"/1/2"	NPT1/8"	PP
1A100MN1518PV	DN3/8"/1/2"	NPT1/8"	PVDF
1A100MN1538PP	DN3/8"/1/2"	NPT3/8"	PP
1A100MN2034PV	DN5/8"/3/4"	NPT3/4"	PVDF
1A100MN2038PP	DN5/8"/3/4"	NPT3/8"	PP
1A100MN4012PN	DN04/06	NPT1/2"	PP-NATUR
1A100MN4012PP	DN04/06	NPT1/2"	PP
1A100MN4012PV	DN04/06	NPT1/2"	PVDF
1A100MN4014PN	DN04/06	NPT1/4"	PP-NATUR
1A100MN4014PP	DN04/06	NPT1/4"	PP
1A100MN4014PV	DN04/06	NPT1/4"	PVDF
1A100MN4018PN	DN04/06	NPT1/8"	PP-NATUR
1A100MN4018PP	DN04/06	NPT1/8"	PP
1A100MN4018PV	DN04/06	NPT1/8"	PVDF
1A100MN4038PN	DN04/06	NPT3/8"	PP-NATUR
1A100MN4038PP	DN04/06	NPT3/8"	PP
1A100MN4038PV	DN04/06	NPT3/8"	PVDF
1A100MN4212PP	DN05/08	NPT1/2"	PP
1A100MN4212PV	DN05/08	NPT1/2"	PVDF
1A100MN4214PP	DN05/08	NPT1/4"	PP
1A100MN4214PV	DN05/08	NPT1/4"	PVDF
1A100MN4218PP	DN05/08	NPT1/8"	PP
1A100MN4238PN	DN05/08	NPT3/8"	PP-NATUR
1A100MN4238PP	DN05/08	NPT3/8"	PP
1A100MN4238PV	DN05/08	NPT3/8"	PVDF
1A100MN4312PN	DN06/08	NPT1/2"	PP-NATUR
1A100MN4312PP	DN06/08	NPT1/2"	PP
1A100MN4312PV	DN06/08	NPT1/2"	PVDF
1A100MN4314PN	DN06/08	NPT1/4"	PP-NATUR
1A100MN4314PP	DN06/08	NPT1/4"	PP
1A100MN4314PV	DN06/08	NPT1/4"	PVDF
1A100MN4318PN	DN06/08	NPT1/8"	PP-NATUR
1A100MN4318PP	DN06/08	NPT1/8"	PP

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**Straight connector for flexible tube (Series 1A)  
with male NPT-thread**

# 1

Article-Nr	Connection A	Connection B	Material
1A100MN4318PV	DN06/08	NPT1/8"	PVDF
1A100MN4338PN	DN06/08	NPT3/8"	PP-NATUR
1A100MN4338PP	DN06/08	NPT3/8"	PP
1A100MN4338PV	DN06/08	NPT3/8"	PVDF
1A100MN4412PP	DN06/10	NPT1/2"	PP
1A100MN4412PV	DN06/10	NPT1/2"	PVDF
1A100MN4414PP	DN06/10	NPT1/4"	PP
1A100MN4414PV	DN06/10	NPT1/4"	PVDF
1A100MN4418PP	DN06/10	NPT1/8"	PP
1A100MN4418PV	DN06/10	NPT1/8"	PVDF
1A100MN4438PP	DN06/10	NPT3/8"	PP
1A100MN4438PV	DN06/10	NPT3/8"	PVDF
1A100MN4512PN	DN08/10	NPT1/2"	PP-NATUR
1A100MN4512PP	DN08/10	NPT1/2"	PP
1A100MN4512PV	DN08/10	NPT1/2"	PVDF
1A100MN4514PN	DN08/10	NPT1/4"	PP-NATUR
1A100MN4514PP	DN08/10	NPT1/4"	PP
1A100MN4514PV	DN08/10	NPT1/4"	PVDF
1A100MN4518PN	DN08/10	NPT1/8"	PP-NATUR
1A100MN4518PP	DN08/10	NPT1/8"	PP
1A100MN4518PV	DN08/10	NPT1/8"	PVDF
1A100MN4534PP	DN08/10	NPT3/4"	PP
1A100MN4538PN	DN08/10	NPT3/8"	PP-NATUR
1A100MN4538PP	DN08/10	NPT3/8"	PP
1A100MN4538PV	DN08/10	NPT3/8"	PVDF
1A100MN4612PP	DN08/12	NPT1/2"	PP
1A100MN4612PV	DN08/12	NPT1/2"	PVDF
1A100MN4614PP	DN08/12	NPT1/4"	PP
1A100MN4614PV	DN08/12	NPT1/4"	PVDF
1A100MN4618PP	DN08/12	NPT1/8"	PP
1A100MN4618PV	DN08/12	NPT1/8"	PVDF
1A100MN4634PV	DN08/12	NPT3/4"	PVDF
1A100MN4638PP	DN08/12	NPT3/8"	PP
1A100MN4638PV	DN08/12	NPT3/8"	PVDF
1A100MN4712PP	DN09/12	NPT1/2"	PP
1A100MN4712PV	DN09/12	NPT1/2"	PVDF
1A100MN4714PP	DN09/12	NPT1/4"	PP
1A100MN4714PV	DN09/12	NPT1/4"	PVDF
1A100MN4738PP	DN09/12	NPT3/8"	PP
1A100MN4738PV	DN09/12	NPT3/8"	PVDF
1A100MN4801PV	DN10/12	NPT1"	PVDF
1A100MN4812PN	DN10/12	NPT1/2"	PP-NATUR
1A100MN4812PP	DN10/12	NPT1/2"	PP
1A100MN4812PV	DN10/12	NPT1/2"	PVDF
1A100MN4814PN	DN10/12	NPT1/4"	PP-NATUR
1A100MN4814PP	DN10/12	NPT1/4"	PP
1A100MN4814PV	DN10/12	NPT1/4"	PVDF
1A100MN4818PN	DN10/12	NPT1/8"	PP-NATUR
1A100MN4818PP	DN10/12	NPT1/8"	PP
1A100MN4818PV	DN10/12	NPT1/8"	PVDF
1A100MN4834PP	DN10/12	NPT3/4"	PP
1A100MN4834PV	DN10/12	NPT3/4"	PVDF
1A100MN4838PN	DN10/12	NPT3/8"	PP-NATUR
1A100MN4838PP	DN10/12	NPT3/8"	PP
1A100MN4838PV	DN10/12	NPT3/8"	PVDF
1A100MN4912PP	DN10/14	NPT1/2"	PP
1A100MN4912PV	DN10/14	NPT1/2"	PVDF
1A100MN4914PP	DN10/14	NPT1/4"	PP
1A100MN4914PV	DN10/14	NPT1/4"	PVDF
1A100MN4918PP	DN10/14	NPT1/8"	PP
1A100MN4918PV	DN10/14	NPT1/8"	PVDF
1A100MN4934PP	DN10/14	NPT3/4"	PP

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Article-Nr	Connection A	Connection B	Material
1A100MN4938PP	DN10/14	NPT3/8"	PP
1A100MN4938PV	DN10/14	NPT3/8"	PVDF
1A100MN5112PP	DN12/14	NPT1/2"	PP
1A100MN5112PV	DN12/14	NPT1/2"	PVDF
1A100MN5114PN	DN12/14	NPT1/4"	PP-NATUR
1A100MN5114PP	DN12/14	NPT1/4"	PP
1A100MN5114PV	DN12/14	NPT1/4"	PVDF
1A100MN5118PN	DN12/14	NPT1/8"	PP-NATUR
1A100MN5118PP	DN12/14	NPT1/8"	PP
1A100MN5118PV	DN12/14	NPT1/8"	PVDF
1A100MN5138PP	DN12/14	NPT3/8"	PP
1A100MN5138PV	DN12/14	NPT3/8"	PVDF
1A100MN5212PP	DN12/16	NPT1/2"	PP
1A100MN5212PV	DN12/16	NPT1/2"	PVDF
1A100MN5214PP	DN12/16	NPT1/4"	PP
1A100MN5214PV	DN12/16	NPT1/4"	PVDF
1A100MN5238PP	DN12/16	NPT3/8"	PP
1A100MN5238PV	DN12/16	NPT3/8"	PVDF
1A100MN5312PP	DN14/16	NPT1/2"	PP
1A100MN5312PV	DN14/16	NPT1/2"	PVDF
1A100MN5314PP	DN14/16	NPT1/4"	PP
1A100MN5314PV	DN14/16	NPT1/4"	PVDF
1A100MN5338PP	DN14/16	NPT3/8"	PP
1A100MN5338PV	DN14/16	NPT3/8"	PVDF
1A100MN5412PP	DN14/18	NPT1/2"	PP
1A100MN5412PV	DN14/18	NPT1/2"	PVDF
1A100MN5414PP	DN14/18	NPT1/4"	PP
1A100MN5414PV	DN14/18	NPT1/4"	PVDF
1A100MN5438PP	DN14/18	NPT3/8"	PP
1A100MN5438PV	DN14/18	NPT3/8"	PVDF
1A100MN5512PP	DN16/18	NPT1/2"	PP
1A100MN5512PV	DN16/18	NPT1/2"	PVDF
1A100MN5514PP	DN16/18	NPT1/4"	PP
1A100MN5514PV	DN16/18	NPT1/4"	PVDF
1A100MN5534PV	DN16/18	NPT3/4"	PVDF
1A100MN5538PP	DN16/18	NPT3/8"	PP
1A100MN5538PV	DN16/18	NPT3/8"	PVDF
1A100MN5612PP	DN16/20	NPT1/2"	PP
1A100MN5612PV	DN16/20	NPT1/2"	PVDF
1A100MN5634PP	DN16/20	NPT3/4"	PP
1A100MN5634PV	DN16/20	NPT3/4"	PVDF
1A100MN5638PP	DN16/20	NPT3/8"	PP
1A100MN5638PV	DN16/20	NPT3/8"	PVDF
1A100MN5712PP	DN18/20	NPT1/2"	PP
1A100MN5712PV	DN18/20	NPT1/2"	PVDF
1A100MN5734PP	DN18/20	NPT3/4"	PP
1A100MN5738PP	DN18/20	NPT3/8"	PP
1A100MN5738PV	DN18/20	NPT3/8"	PVDF

Dimensions 1A100MN... , 1C100MN...

A(DN)	B(NPT)	I3	~L4*	SW4	
4/6	1/6"/1/4"	1/8"	10	22	12
4/6	1/6"/1/4"	1/4"	15	23	17
4/6	1/6"/1/4"	3/8"	15.3	24	19
4/6	1/6"/1/4"	1/2"	20	25	24
5/8	6/8	1/8"	10	27	17
5/8	6/8	1/4"	15	27	17
5/8	6/8	3/8"	15.3	28	19
5/8	6/8	1/2"	20	29	24
6/9		1/8"	10		
6/9		1/4"	15		

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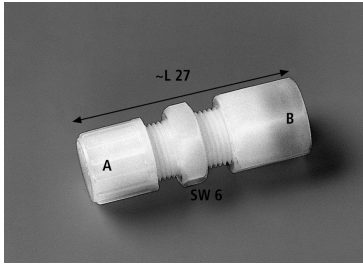
**Straight connector for flexible tube (Series 1A)  
with male NPT-thread**

**1**

A(DN)			B(NPT)		I3	~L4*	SW4
6/9				3/8"	15.3		
6/9				1/2"	20		
6/10	8/10		1/4"/3/8"	1/8"	10	31	19
6/10	8/10		1/4"/3/8"	1/4"	15	31	19
6/10	8/10		1/4"/3/8"	3/8"	15.3	31	19
6/10	8/10		1/4"/3/8"	1/2"	20	32	24
8/12	9/12	10/12	3/8"/1/2"	1/8"	10	35	22
8/12	9/12	10/12	3/8"/1/2"	1/4"	15	35	22
8/12	9/12	10/12	3/8"/1/2"	3/8"	15.3	35	22
8/12	9/12	10/12	3/8"/1/2"	1/2"	20	36	24
8/12	9/12	10/12	3/8"/1/2"	3/4"	20	40	32
10/14	12/14			1/8"	10	41	24
10/14	12/14			1/4"	15	41	24
10/14	12/14			3/8"	15.3	41	24
10/14	12/14			1/2"	20	41	24
10/14	12/14			3/4"	20	45	32
12/16	14/16			1/4"	15	44	27
12/16	14/16			3/8"	15.3	44	27
12/16	14/16			1/2"	20	44	27
12/16	14/16			3/4"	20	47	32
14/18	16/18			1/4"	15	47	27
14/18	16/18			3/8"	15.3	47	27
14/18	16/18			1/2"	20	47	27
14/18	16/18			3/4"	20	50	32
16/20	18/20			3/8"	15.3	52	32
16/20	18/20		5/8"/3/4"	1/2"	20	52	32
16/20	18/20		5/8"/3/4"	3/4"	20	52	32

\* for connections in inch add 2 mm per side

Straight union for flexible tube (Series 1A) with connection for pipe (Series 2N)



Article-Nr	Connection A	Connection B	Material
1A100P0305PV	DN1/8"/1/4"	D1/4"	PVDF
1A100P1143PP	DN1/4"/3/8"	D08	PP
1A100P11PP	DN1/4"/3/8"	D3/8"	PP
1A100P4003PP	DN04/06	D1/8"	PP
1A100P4003PV	DN04/06	D1/8"	PVDF
1A100P4005PP	DN04/06	D1/4"	PP
1A100P4005PV	DN04/06	D1/4"	PVDF
1A100P4015PV	DN04/06	D1/2"	PVDF
1A100P4038PP	DN04/06	D04	PP
1A100P4038PV	DN04/06	D04	PVDF
1A100P4039PV	DN04/06	D05	PVDF
1A100P4043PP	DN04/06	D08	PP
1A100P4043PV	DN04/06	D08	PVDF
1A100P4045PP	DN04/06	D10	PP
1A100P4045PV	DN04/06	D10	PVDF
1A100P4048PP	DN04/06	D12	PP
1A100P4048PV	DN04/06	D12	PVDF
1A100P4051PP	DN04/06	D14	PP
1A100P4051PV	DN04/06	D14	PVDF
1A100P4055PP	DN04/06	D18	PP
1A100P4057PP	DN04/06	D20	PP
1A100P40PP	DN04/06	D06	PP
1A100P40PV	DN04/06	D06	PVDF
1A100P42PP	DN05/08	D08	PP
1A100P4303PV	DN06/08	D1/8"	PVDF
1A100P4315PP	DN06/08	D1/2"	PP
1A100P4338PP	DN06/08	D04	PP
1A100P4340PP	DN06/08	D06	PP
1A100P4340PV	DN06/08	D06	PVDF
1A100P4345PP	DN06/08	D10	PP
1A100P4345PV	DN06/08	D10	PVDF
1A100P4348PP	DN06/08	D12	PP
1A100P4348PV	DN06/08	D12	PVDF
1A100P4351PP	DN06/08	D14	PP
1A100P4351PV	DN06/08	D14	PVDF
1A100P4353PV	DN06/08	D16	PVDF
1A100P4357PP	DN06/08	D20	PP
1A100P4357PV	DN06/08	D20	PVDF
1A100P43PP	DN06/08	D08	PP
1A100P43PV	DN06/08	D08	PVDF
1A100P4440PP	DN06/10	D06	PP
1A100P4440PV	DN06/10	D06	PVDF
1A100P4443PP	DN06/10	D08	PP
1A100P4443PV	DN06/10	D08	PVDF
1A100P4445PP	DN06/10	D10	PP
1A100P4445PV	DN06/10	D10	PVDF
1A100P4448PP	DN06/10	D12	PP
1A100P4448PV	DN06/10	D12	PVDF
1A100P4451PP	DN06/10	D14	PP
1A100P4451PV	DN06/10	D14	PVDF
1A100P4457PP	DN06/10	D20	PP
1A100P4511PP	DN08/10	D3/8"	PP
1A100P4540PP	DN08/10	D06	PP
1A100P4540PV	DN08/10	D06	PVDF
1A100P4543PP	DN08/10	D08	PP
1A100P4543PV	DN08/10	D08	PVDF
1A100P4548PP	DN08/10	D12	PP
1A100P4548PV	DN08/10	D12	PVDF
1A100P4551PP	DN08/10	D14	PP
1A100P4551PV	DN08/10	D14	PVDF
1A100P4555PP	DN08/10	D18	PP
1A100P45PP	DN08/10	D10	PP

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Article-Nr	Connection A	Connection B	Material
1A100P45PV	DN08/10	D10	PVDF
1A100P4640PV	DN08/12	D06	PVDF
1A100P4642PP	DN08/12	D06	PP
1A100P4643PP	DN08/12	D08	PP
1A100P4643PV	DN08/12	D08	PVDF
1A100P4645PP	DN08/12	D10	PP
1A100P4645PV	DN08/12	D10	PVDF
1A100P4648PP	DN08/12	D12	PP
1A100P4648PV	DN08/12	D12	PVDF
1A100P4651PV	DN08/12	D14	PVDF
1A100P4748PV	DN09/12	D12	PVDF
1A100P4840PP	DN10/12	D06	PP
1A100P4840PV	DN10/12	D06	PVDF
1A100P4843PP	DN10/12	D08	PP
1A100P4843PV	DN10/12	D08	PVDF
1A100P4845PP	DN10/12	D10	PP
1A100P4845PV	DN10/12	D10	PVDF
1A100P4851PP	DN10/12	D14	PP
1A100P4851PV	DN10/12	D14	PVDF
1A100P4853PP	DN10/12	D16	PP
1A100P4853PV	DN10/12	D16	PVDF
1A100P4857PP	DN10/12	D20	PP
1A100P48PP	DN10/12	D12	PP
1A100P48PV	DN10/12	D12	PVDF
1A100P4940PP	DN10/14	D06	PP
1A100P4940PV	DN10/14	D06	PVDF
1A100P4943PP	DN10/14	D08	PP
1A100P4943PV	DN10/14	D08	PVDF
1A100P4945PP	DN10/14	D10	PP
1A100P4945PV	DN10/14	D10	PVDF
1A100P4948PP	DN10/14	D12	PP
1A100P4948PV	DN10/14	D12	PVDF
1A100P4951PP	DN10/14	D14	PP
1A100P4951PV	DN10/14	D14	PVDF
1A100P4953PV	DN10/14	D16	PVDF
1A100P5148PV	DN12/14	D12	PVDF
1A100P5153PP	DN12/14	D16	PP
1A100P5153PV	DN12/14	D16	PVDF
1A100P51PP	DN12/14	D14	PP
1A100P51PV	DN12/14	D14	PVDF
1A100P53PV	DN14/16	D16	PVDF
1A100P57PP	DN18/20	D20	PP
1A100P57PV	DN18/20	D20	PVDF

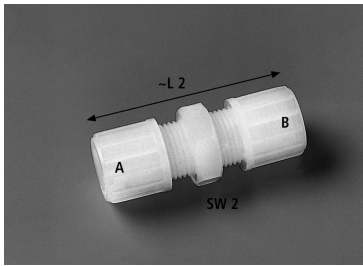
Dimensions 1A100P... , 1C100P...

A(DN)		B(D)		~L27*	SW6	
4/6		1/6"-1/4"	6	1/4"	50	17
5/8	6/8		8		55	19
6/9						
6/10	8/10	1/4"-3/8"	10	3/8"	61	22
8/12	9/12	10/12	12	1/2"	69	24
10/14	12/14		14		75	27
12/16	14/16		16		77	27
14/18	16/18		18	3/4"	89	32
16/20	18/20	5/8"-3/4"	20		91	32

\* for connections in inch add 2 mm per side

Straight union for flexible tube on both ends  
(Series 1A)

1



Article-Nr	Connection A	Connection B	Material
1A100T03PP	DN1/8"/1/4"	DN1/8"/1/4"	PP
1A100T03PV	DN1/8"/1/4"	DN1/8"/1/4"	PVDF
1A100T05PP	DN1/6"/1/4"	DN1/6"/1/4"	PP
1A100T05PV	DN1/6"/1/4"	DN1/6"/1/4"	PVDF
1A100T11PN	DN1/4"/3/8"	DN1/4"/3/8"	PP-NATUR
1A100T11PP	DN1/4"/3/8"	DN1/4"/3/8"	PP
1A100T11PV	DN1/4"/3/8"	DN1/4"/3/8"	PVDF
1A100T1542PP	DN3/8"/1/2"	DN05/08	PP
1A100T15PP	DN3/8"/1/2"	DN3/8"/1/2"	PP
1A100T15PV	DN3/8"/1/2"	DN3/8"/1/2"	PVDF
1A100T2015PP	DN5/8"/3/4"	DN3/8"/1/2"	PP
1A100T20PP	DN5/8"/3/4"	DN5/8"/3/4"	PP
1A100T4003PP	DN04/06	DN1/8"/1/4"	PP
1A100T4003PV	DN04/06	DN1/8"/1/4"	PVDF
1A100T4004PP	DN04/06	DN5/32"/1/4"	PP
1A100T4004PV	DN04/06	DN 5/32"/1/4"	PVDF
1A100T4005PP	DN04/06	DN1/6"/1/4"	PP
1A100T4005PV	DN04/06	DN1/6"/1/4"	PVDF
1A100T4011PP	DN04/06	DN1/4"/3/8"	PP
1A100T4011PV	DN04/06	DN1/4"/3/8"	PVDF
1A100T40PN	DN04/06	DN04/06	PP-NATUR
1A100T40PP	DN04/06	DN04/06	PP
1A100T40PV	DN04/06	DN04/06	PVDF
1A100T4211PP	DN05/08	DN1/4"/3/8"	PP
1A100T4240PP	DN05/08	DN04/06	PP
1A100T42PN	DN05/08	DN05/08	PP-NATUR
1A100T42PP	DN05/08	DN05/08	PP
1A100T42PV	DN05/08	DN05/08	PVDF
1A100T4305PV	DN06/08	DN1/6"/1/4"	PVDF
1A100T4311PP	DN06/08	DN1/4"/3/8"	PP
1A100T4311PV	DN06/08	DN1/4"/3/8"	PVDF
1A100T4315PV	DN06/08	DN3/8"/1/2"	PVDF
1A100T4340PN	DN06/08	DN04/06	PP-NATUR
1A100T4340PP	DN06/08	DN04/06	PP
1A100T4340PV	DN06/08	DN04/06	PVDF
1A100T4342PP	DN06/08	DN05/08	PP
1A100T4342PV	DN06/08	DN05/08	PVDF
1A100T43PN	DN06/08	DN06/08	PP-NATUR
1A100T43PP	DN06/08	DN06/08	PP
1A100T43PV	DN06/08	DN06/08	PVDF
1A100T4440PP	DN06/10	DN04/06	PP
1A100T4440PV	DN06/10	DN04/06	PVDF
1A100T4443PV	DN06/10	DN06/08	PVDF
1A100T44PP	DN06/10	DN06/10	PP
1A100T44PV	DN06/10	DN06/10	PVDF
1A100T4540PN	DN08/10	DN04/06	PP-NATUR
1A100T4540PP	DN08/10	DN04/06	PP
1A100T4540PV	DN08/10	DN04/06	PVDF
1A100T4543PN	DN08/10	DN06/08	PP-NATUR
1A100T4543PP	DN08/10	DN06/08	PP
1A100T4543PV	DN08/10	DN06/08	PVDF
1A100T4544PP	DN08/10	DN06/10	PP
1A100T4544PV	DN08/10	DN06/10	PVDF
1A100T45PN	DN08/10	DN08/10	PP-NATUR
1A100T45PP	DN08/10	DN08/10	PP
1A100T45PV	DN08/10	DN08/10	PVDF
1A100T4615PP	DN08/12	DN3/8"/1/2"	PP
1A100T4640PP	DN08/12	DN04/06	PP
1A100T4640PV	DN08/12	DN04/06	PVDF
1A100T4643PP	DN08/12	DN06/08	PP
1A100T4643PV	DN08/12	DN06/08	PVDF
1A100T4644PP	DN08/12	DN06/10	PP

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Straight union for flexible tube on both ends  
(Series 1A)

# 1

Article-Nr	Connection A	Connection B	Material
1A100T4644PV	DN08/12	DN06/10	PVDF
1A100T4645PN	DN08/12	DN08/10	PP-NATUR
1A100T4645PP	DN08/12	DN08/10	PP
1A100T4645PV	DN08/12	DN08/10	PVDF
1A100T46PP	DN08/12	DN08/12	PP
1A100T46PV	DN08/12	DN08/12	PVDF
1A100T4715PV	DN09/12	DN3/8"/1/2"	PVDF
1A100T4740PP	DN09/12	DN04/06	PP
1A100T4740PV	DN09/12	DN04/06	PVDF
1A100T4742PP	DN09/12	DN05/08	PP
1A100T4743PP	DN09/12	DN06/08	PP
1A100T4743PV	DN09/12	DN06/08	PVDF
1A100T47PP	DN09/12	DN09/12	PP
1A100T47PV	DN09/12	DN09/12	PVDF
1A100T4806PV	DN10/12	DN3/16"/1/4"	PVDF
1A100T4811PV	DN10/12	DN1/4"/3/8"	PVDF
1A100T4815PV	DN10/12	DN3/8"/1/2"	PVDF
1A100T4840PN	DN10/12	DN04/06	PP-NATUR
1A100T4840PP	DN10/12	DN04/06	PP
1A100T4840PV	DN10/12	DN04/06	PVDF
1A100T4843PN	DN10/12	DN06/08	PP-NATUR
1A100T4843PP	DN10/12	DN06/08	PP
1A100T4843PV	DN10/12	DN06/08	PVDF
1A100T4844PP	DN10/12	DN06/10	PP
1A100T4844PV	DN10/12	DN06/10	PVDF
1A100T4845PN	DN10/12	DN08/10	PP-NATUR
1A100T4845PP	DN10/12	DN08/10	PP
1A100T4845PV	DN10/12	DN08/10	PVDF
1A100T4846PN	DN10/12	DN08/12	PP-NATUR
1A100T4846PP	DN10/12	DN08/12	PP
1A100T4846PV	DN10/12	DN08/12	PVDF
1A100T48PP	DN10/12	DN10/12	PP
1A100T48PV	DN10/12	DN10/12	PVDF
1A100T4940PP	DN10/14	DN04/06	PP
1A100T4940PV	DN10/14	DN04/06	PVDF
1A100T4943PP	DN10/14	DN06/08	PP
1A100T4943PV	DN10/14	DN06/08	PVDF
1A100T4944PP	DN10/14	DN06/10	PP
1A100T4944PV	DN10/14	DN06/10	PVDF
1A100T4945PP	DN10/14	DN08/10	PP
1A100T4945PV	DN10/14	DN08/10	PVDF
1A100T4946PP	DN10/14	DN08/12	PP
1A100T4946PV	DN10/14	DN08/12	PVDF
1A100T4948PV	DN10/14	DN10/12	PVDF
1A100T49PP	DN10/14	DN10/14	PP
1A100T49PV	DN10/14	DN10/14	PVDF
1A100T5140PP	DN12/14	DN04/06	PP
1A100T5140PV	DN12/14	DN04/06	PVDF
1A100T5143PP	DN12/14	DN06/08	PP
1A100T5143PV	DN12/14	DN06/08	PVDF
1A100T5145PP	DN12/14	DN08/10	PP
1A100T5145PV	DN12/14	DN08/10	PVDF
1A100T5146PV	DN12/14	DN08/12	PVDF
1A100T5148PP	DN12/14	DN10/12	PP
1A100T5148PV	DN12/14	DN10/12	PVDF
1A100T5149PV	DN12/14	DN10/14	PVDF
1A100T51PN	DN12/14	DN12/14	PP-NATUR
1A100T51PP	DN12/14	DN12/14	PP
1A100T51PV	DN12/14	DN12/14	PVDF
1A100T5240PV	DN12/16	DN04/06	PVDF
1A100T5245PV	DN12/16	DN08/10	PVDF
1A100T5246PP	DN12/16	DN08/12	PP

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Article-Nr	Connection A	Connection B	Material
1A100T5246PV	DN12/16	DN08/12	PVDF
1A100T5248PV	DN12/16	DN10/12	PVDF
1A100T52PP	DN12/16	DN12/16	PP
1A100T52PV	DN12/16	DN12/16	PVDF
1A100T5340PP	DN14/16	DN04/06	PP
1A100T5340PV	DN14/16	DN04/06	PVDF
1A100T5343PP	DN14/16	DN06/08	PP
1A100T5343PV	DN14/16	DN06/08	PVDF
1A100T5345PV	DN14/16	DN08/10	PVDF
1A100T5348PP	DN14/16	DN10/12	PP
1A100T5348PV	DN14/16	DN10/12	PVDF
1A100T5351PV	DN14/16	DN12/14	PVDF
1A100T53PP	DN14/16	DN14/16	PP
1A100T53PV	DN14/16	DN14/16	PVDF
1A100T54PP	DN14/18	DN14/18	PP
1A100T54PV	DN14/18	DN14/18	PVDF
1A100T5545PV	DN16/18	DN08/10	PVDF
1A100T55PP	DN16/18	DN16/18	PP
1A100T55PV	DN16/18	DN16/18	PVDF
1A100T5645PP	DN16/20	DN08/10	PP
1A100T5652PP	DN16/20	DN12/16	PP
1A100T5652PV	DN16/20	DN12/16	PVDF
1A100T56PP	DN16/20	DN16/20	PP
1A100T56PV	DN16/20	DN16/20	PVDF
1A100T5745PP	DN18/20	DN08/10	PP
1A100T5751PP	DN18/20	DN12/14	PP
1A100T5753PV	DN18/20	DN14/16	PVDF
1A100T57PP	DN18/20	DN18/20	PP
1A100T57PV	DN18/20	DN18/20	PVDF
1A100T77PV	DN06/09	DN06/09	PVDF

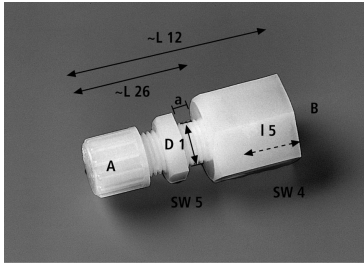
Dimensions 1A100T... , 1C100T...

A-B(DN)		~L2*	SW2
4/6		1/6"-1/4"	39
5/8**	6/8		49
6/9			55
6/10	8/10	1/4"-3/8"	55
8/12	9/12	10/12	64
10/14	12/14		74
12/16	14/16		79
14/18	16/18		85
16/20	18/20	5/8"-3/4"	92

\* for connections in inch add 2 mm per side

**Straight bulkhead connector for flexible tube  
(Series 1A) with female NPT-thread**

1



Article-Nr	Connection A	Connection B	Material
1A101FN1514PP	DN3/8"/1/2"	NPT1/4"	PP
1A101FN4014PN	DN04/06	NPT1/4"	PP-NATUR
1A101FN4014PP	DN04/06	NPT1/4"	PP
1A101FN4014PV	DN04/06	NPT1/4"	PVDF
1A101FN4018PP	DN04/06	NPT1/8"	PP
1A101FN4018PV	DN04/06	NPT1/8"	PVDF
1A101FN4038PV	DN04/06	NPT3/8"	PVDF
1A101FN4312PP	DN06/08	NPT1/2"	PP
1A101FN4314PP	DN06/08	NPT1/4"	PP
1A101FN4338PV	DN06/08	NPT3/8"	PVDF
1A101FN4538PV	DN08/10	NPT3/8"	PVDF
1A101FN4614PV	DN08/12	NPT1/2"	PVDF
1A101FN4812PP	DN10/12	NPT1/2"	PP
1A101FN4812PV	DN10/12	NPT1/2"	PVDF

**Dimensions 1A101FN... , 1C101FN...**

A(DN)		B(NPT)	I5	~L12*	~L26*	SW4	SW5	ØD1	a
4/6		1/8"	11.6	47	31	14	14	10.5	9
		1/6"/1/4"							
4/6		1/4"	16.4	54	31	17	14	10.5	9
		1/6"/1/2"							
4/6		3/8"	17.4	55	31	22	14	10.5	9
		1/6"/1/4"							
4/6		1/2"	22.6	60	31	27	14	10.5	9
		1/6"/1/2"							
5/8	6/8	1/8"	11.6	53	36	19	19	14.5	9
5/8	6/8	1/4"	16.4	58	36	19	19	14.5	9
5/8	6/8	3/8"	17.4	59	36	22	19	14.5	9
5/8	6/8	1/2"	22.6	64	36	27	19	14.5	9
6/9		1/8"	11.6			22	22	16.5	
6/9		1/4"	16.4			22	22	16.5	
6/9		3/8"	17.4			22	22	16.5	
6/9		1/2"	22.6			27	22	16.5	
6/10	8/10	1/8"	11.6	58	41	22	22	16.5	10
		1/4"/3/8"							
6/10	8/10	1/4"	16.4	63	41	22	22	16.5	10
		1/4"/3/2"							
6/10	8/10	3/8"	17.4	64	41	22	22	16.5	10
		1/4"/3/8"							
6/10	8/10	1/2"	22.6	70	41	27	22	16.5	10
		1/4"/3/2"							
8/12	9/12	1/4"	16.4	70	48	24	24	18.5	12
	10/12	3/8"/1/2"							
8/12	9/12	3/8"	17.4	71	48	24	24	18.5	12
	10/12	3/8"/1/2"							
8/12	9/12	1/2"	22.6	77	48	27	24	18.5	12
	10/12	3/8"/1/2"							
8/12	9/12	3/4"	23.1	77	48	32	24	18.5	12
	10/12	3/8"/1/2"							
10/14		1/4"	16.4	76	56	24	27	20.5	14
	12/14								
10/14		3/8"	17.4	77	56	24	27	20.5	14
	12/14								
10/14		1/2"	22.6	84	56	27	27	20.5	14
	12/14								
10/14		3/4"	23.1	84	56	32	27	20.5	14
	12/14								
12/16		3/8"	17.4	84	61	27	27	22.5	16
	14/16								
12/16		1/2"	22.6	89	61	27	27	22.5	16
	14/16								
12/16		3/4"	23.1	89	61	32	27	22.5	16
	14/16								
14/18		1/2"	22.6	91	64	27	30	24.5	16
	16/18								

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**Straight bulkhead connector for flexible tube  
(Series 1A) with female NPT-thread**

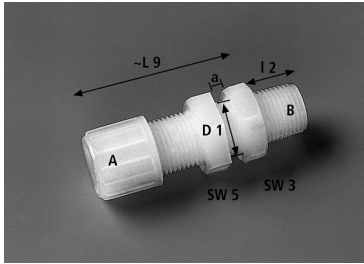
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A(DN)		B(NPT)	I5	~L12*	~L26*	SW4	SW5	ØD1	a
14/18		3/4"	23.1	91	64	32	30	24.5	16
	16/18								
		1/4"	16.4	89	68	32	32	26.5	18
		5/8"/3/4"							
		3/8"	17.4	90	68	32	32	26.5	18
		5/8"/3/4"							
16/20		1/2"	22.6	96	68	32	32	26.5	18
	18/20	5/8"/3/4"							
16/20		3/4"	23.1	96	68	32	32	26.5	18
	18/20	5/8"/3/4"							

\* for connections in inch add 2 mm per side

**Straight bulkhead connector for flexible tube  
(Series 1A) with male G-thread**

**1**



Article-Nr	Connection A	Connection B	Material
1A101MG0512PV	DN1/6"/1/4"	G1/2"	PVDF
1A101MG0518PV	DN1/6"/1/4"	G1/8"	PVDF
1A101MG4012PP	DN04/06	G1/2"	PP
1A101MG4012PV	DN04/06	G1/2"	PVDF
1A101MG4014PP	DN04/06	G1/4"	PP
1A101MG4014PV	DN04/06	G1/4"	PVDF
1A101MG4018PP	DN04/06	G1/8"	PP
1A101MG4018PV	DN04/06	G1/8"	PVDF
1A101MG4018PVFP	DN04/06	G1/8"	PVDF/FPM
1A101MG4038PP	DN04/06	G3/8"	PP
1A101MG4038PV	DN04/06	G3/8"	PVDF
1A101MG4214PP	DN05/08	G1/4"	PP
1A101MG4214PV	DN05/08	G1/4"	PVDF
1A101MG4312PP	DN06/08	G1/2"	PP
1A101MG4312PV	DN06/08	G1/2"	PVDF
1A101MG4314PP	DN06/08	G1/4"	PP
1A101MG4314PPFP	DN06/08	G1/4"	PP/FPM
1A101MG4314PV	DN06/08	G1/4"	PVDF
1A101MG4314PVFP	DN06/08	G1/4"	PVDF/FPM
1A101MG4318PP	DN06/08	G1/8"	PP
1A101MG4318PV	DN06/08	G1/8"	PVDF
1A101MG4338PP	DN06/08	G3/8"	PP
1A101MG4338PV	DN06/08	G3/8"	PVDF
1A101MG4412PP	DN06/10	G1/2"	PP
1A101MG4412PV	DN06/10	G1/2"	PVDF
1A101MG4414PP	DN06/10	G1/4"	PP
1A101MG4414PV	DN06/10	G1/4"	PVDF
1A101MG4418PP	DN06/10	G1/8"	PP
1A101MG4438PP	DN06/10	G3/8"	PP
1A101MG4438PV	DN06/10	G3/8"	PVDF
1A101MG4512PP	DN08/10	G1/2"	PP
1A101MG4512PV	DN08/10	G1/2"	PVDF
1A101MG4514PN	DN08/10	G1/4"	PP-NATUR
1A101MG4514PP	DN08/10	G1/4"	PP
1A101MG4514PV	DN08/10	G1/4"	PVDF
1A101MG4538PP	DN08/10	G3/8"	PP
1A101MG4538PV	DN08/10	G3/8"	PVDF
1A101MG4612PP	DN08/12	G1/2"	PP
1A101MG4612PV	DN08/12	G1/2"	PVDF
1A101MG4614PP	DN08/12	G1/4"	PP
1A101MG4614PV	DN08/12	G1/4"	PVDF
1A101MG4638PP	DN08/12	G3/8"	PP
1A101MG4638PV	DN08/12	G3/8"	PVDF
1A101MG4712PP	DN09/12	G1/2"	PP
1A101MG4712PV	DN09/12	G1/2"	PVDF
1A101MG4714PP	DN09/12	G1/4"	PP
1A101MG4812PP	DN10/12	G1/2"	PP
1A101MG4812PV	DN10/12	G1/2"	PVDF
1A101MG4814PP	DN10/12	G1/4"	PP
1A101MG4814PV	DN10/12	G1/4"	PVDF
1A101MG4838PP	DN10/12	G3/8"	PP
1A101MG4838PV	DN10/12	G3/8"	PVDF
1A101MG4912PP	DN10/14	G1/2"	PP
1A101MG4912PV	DN10/14	G1/2"	PVDF
1A101MG4914PP	DN10/14	G1/4"	PP
1A101MG4914PV	DN10/14	G1/4"	PVDF
1A101MG4938PP	DN10/14	G3/8"	PP
1A101MG4938PV	DN10/14	G3/8"	PVDF
1A101MG5112PP	DN12/14	G1/2"	PP
1A101MG5112PV	DN12/14	G1/2"	PVDF
1A101MG5114PP	DN12/14	G1/4"	PP
1A101MG5114PV	DN12/14	G1/4"	PVDF

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Article-Nr	Connection A	Connection B	Material
1A101MG5138PP	DN12/14	G3/8"	PP
1A101MG5138PV	DN12/14	G3/8"	PVDF
1A101MG5212PP	DN12/16	G1/2"	PP
1A101MG5212PV	DN12/16	G1/2"	PVDF
1A101MG5238PP	DN12/16	G3/8"	PP
1A101MG5238PV	DN12/16	G3/8"	PVDF
1A101MG5312PP	DN14/16	G1/2"	PP
1A101MG5312PV	DN14/16	G1/2"	PVDF
1A101MG5314PV	DN14/16	G1/4"	PVDF
1A101MG5338PP	DN14/16	G3/8"	PP
1A101MG5338PV	DN14/16	G3/8"	PVDF
1A101MG5612PV	DN16/20	G1/2"	PVDF
1A101MG5712PP	DN18/20	G1/2"	PP
1A101MG5712PV	DN18/20	G1/2"	PVDF

Dimensions 1A101MG . . . , 1C101MG . . .

		A(DN)	B(G)	l2	~L9*	SW3	SW5	ØD1	a	
4/6		1/6"/1/4"	1/8"	8	37.5	14	14	10.5	9	
4/6		1/6"/1/4"	1/4"	12	39	17	14	10.5	9	
4/6		1/6"/1/4"	3/8"	12	40.5	22	14	10.5	9	
4/6		1/6"/1/4"	1/2"	14	43	27	14	10.5	9	
5/8	6/8		1/8"	8	44.5	19	19	14.5	9	
5/8	6/8		1/4"	12	45	19	19	14.5	9	
5/8	6/8		3/8"	12	45.5	22	19	14.5	9	
5/8	6/8		1/2"	14	48	27	19	14.5	9	
6/9			1/8"	8	32.5	22	22	16.5		
6/9			1/4"	12	33	22	22	16.5		
6/9			3/8"	12	33.5	22	22	16.5		
6/9			1/2"	14	36	27	22	16.5		
6/10	8/10	1/4"/3/8"	1/8"	8	49.5	22	22	16.5	10	
6/10	8/10	1/4"/3/8"	1/4"	12	50	22	22	16.5	10	
6/10	8/10	1/4"/3/8"	3/8"	12	50.5	22	22	16.5	10	
6/10	8/10	1/4"/3/8"	1/2"	14	53	27	22	16.5	10	
8/12	9/12	10/12	3/8"/1/2"	1/4"	12	58	24	24	18.5	12
8/12	9/12	10/12	3/8"/1/2"	3/8"	12	58.5	24	24	18.5	12
8/12	9/12	10/12	3/8"/1/2"	1/2"	14	60	27	24	18.5	12
8/12	9/12	10/12	3/8"/1/2"	3/4"	16	61	32	24	18.5	12
10/14	12/14		1/4"	12	67	24	27	20.5	14	
10/14	12/14		3/8"	12	67.5	24	27	20.5	14	
10/14	12/14		1/2"	14	68	27	27	20.5	14	
10/14	12/14		3/4"	16	69	32	27	20.5	14	
12/16	14/16		3/8"	12	72.5	27	27	22.5	16	
12/16	14/16		1/2"	14	73	27	27	22.5	16	
12/16	14/16		3/4"	16	74	32	27	22.5	16	
14/18	16/18		1/2"	14	79	27	30	24.5	16	
14/18	16/18		3/4"	16	79	32	30	24.5	16	

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**Straight bulkhead connector for flexible tube  
(Series 1A) with male G-thread**

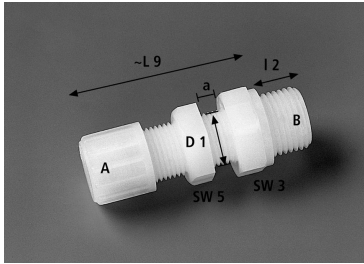
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A(DN)		B(G)	l2	~L9*	SW3	SW5	ØD1	a
		1/4"	12	80	32	32	26.5	18
5/8"/3/4		3/8"	12	80.5	32	32	26.5	18
5/8"/3/4"		1/2"	14	81	32	32	26.5	18
16/20	18/20	5/8"/3/4	16	81	32	32	26.5	18
16/20	18/20	3/4"	16	81	32	32	26.5	18
18/20		5/8"/3/4"						

\* for connections in inch add 2 mm per side

**Straight bulkhead connector for flexible tube  
(Series 1A) with male M-thread**

1



Article-Nr	Connection A	Connection B	Material
1A101MM4006PV	DN04/06	M6	PVDF
1A101MM4011PP	DN04/06	M10x1	PP
1A101MM4011PV	DN04/06	M10x1	PVDF
1A101MM4311PV	DN06/08	M10x1	PVDF
1A101MM4523PV	DN08/10	M20x1,5	PVDF
1A101MM4815PV	DN10/12	M12x1,5	PVDF
1A101MM4823PV	DN10/12	M20x1,5	PVDF
1A101MM5523PV	DN16/18	M20x1,5	PVDF

**Dimensions 1A101MM. . . ,1C101MM. . .**

	A(DN)	B(M)	l2	~L9	SW3	SW5	ØD1	a		
	4/6	5	6	37.5	12	14	10.5	9		
	4/6	6	6	37.5	12	14	10.5	9		
	4/6	10x1	8	37.5	14	14	10.5	9		
	4/6	10x1,5	8	37.5	14	14	10.5	9		
	4/6	12x1,5	12	39	17	14	10.5	9		
	4/6	14x1,5	12	40.5	19	14	10.5	9		
	4/6	16x1,5	12	40.5	22	14	10.5	9		
	4/6	18x1,5	12	42	24	14	10.5	9		
	5/8	6/8	10x1	8	43.5	19	19	14.5	9	
	5/8	6/8	10x1,5	8	43.5	19	19	14.5	9	
	5/8	6/8	12x1,5	12	44	19	19	14.5	9	
	5/8	6/8	14x1,5	12	45.5	19	19	14.5	9	
	5/8	6/8	16x1,5	12	45.5	22	19	14.5	9	
	5/8	6/8	18x1,5	12	47	24	19	14.5	9	
	6/9	10x1	8		19	22	16.5			
	6/9	10x1,5	8		19	22	16.5			
	6/9	12x1,5	12		19	22	16.5			
	6/9	14x1,5	12		19	22	16.5			
	6/9	16x1,5	12		22	22	16.5			
	6/9	18x1,5	12		24	22	16.5			
	6/10	8/10	10x1	8	49.5	22	22	16.5	10	
	6/10	8/10	10x1,5	8	49.5	22	22	16.5	10	
	6/10	8/10	12x1,5	12	50	22	22	16.5	10	
	6/10	8/10	14x1,5	12	50.5	22	22	16.5	10	
	6/10	8/10	16x1,5	12	50.5	22	22	16.5	10	
	6/10	8/10	18x1,5	12	52	24	22	16.5	10	
	8/12	9/12	10/12	12x1,5	12	57	24	24	18.5	12
	8/12	9/12	10/12	14x1,5	12	57	24	24	18.5	12
	8/12	9/12	10/12	16x1,5	12	57.5	24	24	18.5	12
	8/12	9/12	10/12	18x1,5	12	59	24	24	18.5	12
	10/14	12/14	12x1,5	12	66	24	27	20.5	14	

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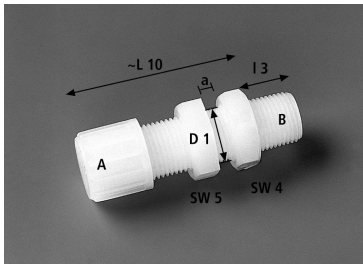
**Straight bulkhead connector for flexible tube  
(Series 1A) with male M-thread**

**1**

	A(DN)	B(M)	l2	~L9	SW3	SW5	ØD1	a
10/14	12/14	14x1,5	12	66	24	27	20.5	14
10/14	12/14	16x1,5	12	66.5	24	27	20.5	14
10/14	12/14	18x1,5	12	67	24	27	20.5	14
12/16	14/16	14x1,5	12	73	27	27	22.5	16
12/16	14/16	16x1,5	12	73	27	27	22.5	16
12/16	14/16	18x1,5	12	73	27	27	22.5	16
14/18	16/18	18x1,5	12	76	27	30	24.5	16
14/18	16/18	20x1,5	14	76	27	30	24.5	16
14/18	16/18	22x1,5	14	76	27	30	24.5	16
14/18	16/18	24x1,5	16	76	27	30	24.5	16
16/20	18/20	20x1,5	14	83	32	32	26.5	18
16/20	18/20	22x1,5	14	83	32	32	26.5	18
16/20	18/20	24x1,5	16	83	32	32	26.5	18

**Straight bulkhead connector for flexible tube  
(Series 1A) with male NPT-thread**

**1**



Article-Nr	Connection A	Connection B	Material
1A101MN4012PV	DN04/06	NPT1/2"	PVDF
1A101MN4014PP	DN04/06	NPT1/4"	PP
1A101MN4014PV	DN04/06	NPT1/4"	PVDF
1A101MN4018PP	DN04/06	NPT1/8"	PP
1A101MN4018PV	DN04/06	NPT1/8"	PVDF
1A101MN4038PP	DN04/06	NPT3/8"	PP
1A101MN4038PV	DN04/06	NPT3/8"	PVDF
1A101MN4218PP	DN05/08	NPT1/8"	PP
1A101MN4314PP	DN06/08	NPT1/4"	PP
1A101MN4814PP	DN10/12	NPT1/4"	PP
1A101MN4838PP	DN10/12	NPT3/8"	PP
1A101MN4838PV	DN10/12	NPT3/8"	PVDF
1A101MN4938PP	DN10/14	NPT3/8"	PP

**Dimensions 1A101MN... , 1C101MN...**

A(DN)		B(NPT)	I3	~L10*	SW4	SW5	ØD1	a
4/6		1/8"	10	36	14	14	10.5	9
		1/6"/1/4"						
4/6		1/4"	15	37	17	14	10.5	9
		1/6"/1/4"						
4/6		3/8"	15.3	37	19	14	10.5	9
		1/6"/1/4"						
4/6		1/2"	20	39	24	14	10.5	9
		1/6"/1/4"						
5/8	6/8	1/8"	10	42	17	19	14.5	9
5/8	6/8	1/4"	15	42	19	19	14.5	9
5/8	6/8	3/8"	15.3	42	19	19	14.5	9
5/8	6/8	1/2"	20	44	24	19	14.5	9
6/9		1/8"	10		22	22	16.5	
6/9		1/4"	15		22	22	16.5	
6/9		3/8"	15.3		22	22	16.5	
6/9		1/2"	20		24	22	16.5	
6/10	8/10	1/8"	10	48	22	22	16.5	10
		1/4"/3/8"						
6/10	8/10	1/4"	15	48	22	22	16.5	10
		1/4"/3/8"						
6/10	8/10	3/8"	15.3	48	22	22	16.5	10
		1/4"/3/8"						
6/10	8/10	1/2"	20	49	24	22	16.5	10
		1/4"/3/8"						
8/12	9/12	1/4"	15	56	24	24	18.5	12
	10/12	3/8"/1/2"						
8/12	9/12	3/8"	15.3	56	24	24	18.5	12
	10/12	3/8"/1/2"						
8/12	9/12	1/2"	20	57	27	24	18.5	12
	10/12	3/8"/1/2"						
8/12	9/12	3/4"	20	58	32	24	18.5	12
	10/12	3/8"/1/2"						
10/14		1/4"	15	65	27	27	20.5	14
	12/14							
10/14		3/8"	15.3	65	27	27	20.5	14
	12/14							
10/14		1/2"	20	65	27	27	20.5	14
	12/14							
10/14		3/4"	20	66	32	27	20.5	14
	12/14							
12/16		3/8"	15.3	70	27	27	22.5	16
	14/16							
12/16		1/2"	20	70	27	27	22.5	16
	14/16							
12/16		3/4"	20	71	32	27	22.5	16
	14/16							
14/18		1/2"	20	73	27	30	24.5	16
	16/18							
14/18		3/4"	20	74	32	30	24.5	16
	16/18							

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**Straight bulkhead connector for flexible tube  
(Series 1A) with male NPT-thread**

**1**

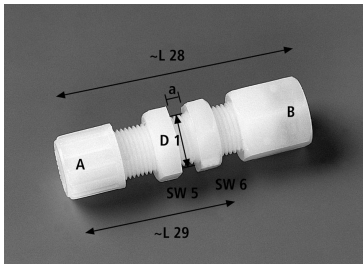
A(DN)		B(NPT)	l3	~L10*	SW4	SW5	ØD1	a
	5/8"/3/4	1/4"	15	78	32	32	26.5	18
	5/8"/3/4"	3/8"	15.3	78	32	32	26.5	18
16/20	5/8"/3/4	1/2"	20	78	32	32	26.5	18
18/20	5/8"/3/4	3/4"	20	78	32	32	26.5	18
16/20	18/20	5/8"/3/4"	3/4"	20	78	32	26.5	18

\* for connections in inch add 2 mm per side



## Straight bulkhead union for flexible tube (Series 1A) with connection for pipe (Series 2N)

# 1



Article-Nr	Connection A	Connection B	Material
1A101P0305PV	DN1/8"/1/4"	D1/4"	PVDF
1A101P4003PP	DN04/06	D1/8"	PP
1A101P4005PV	DN04/06	D1/4"	PVDF
1A101P4038PP	DN04/06	D04	PP
1A101P4038PV	DN04/06	D04	PVDF
1A101P4043PP	DN04/06	D08	PP
1A101P4043PV	DN04/06	D08	PVDF
1A101P4045PP	DN04/06	D10	PP
1A101P4045PV	DN04/06	D10	PVDF
1A101P4048PP	DN04/06	D12	PP
1A101P4048PV	DN04/06	D12	PVDF
1A101P40PP	DN04/06	D06	PP
1A101P40PV	DN04/06	D06	PVDF
1A101P4243PP	DN05/08	D08	PP
1A101P4340PP	DN06/08	D06	PP
1A101P4345PP	DN06/08	D10	PP
1A101P43PP	DN06/08	D08	PP
1A101P43PV	DN06/08	D08	PVDF
1A101P4443PP	DN06/10	D08	PP
1A101P4443PV	DN06/10	D08	PVDF
1A101P4543PN	DN08/10	D08	PP-NATUR
1A101P4553PP	DN08/10	D16	PP
1A101P45PP	DN08/10	D10	PP
1A101P45PV	DN08/10	D10	PVDF
1A101P4648PP	DN08/12	D12	PP
1A101P4648PV	DN08/12	D12	PVDF
1A101P48PP	DN10/12	D12	PP
1A101P48PV	DN10/12	D12	PVDF
1A101P4948PP	DN10/14	D12	PP
1A101P4948PV	DN10/14	D12	PVDF
1A101P53PV	DN14/16	D16	PVDF

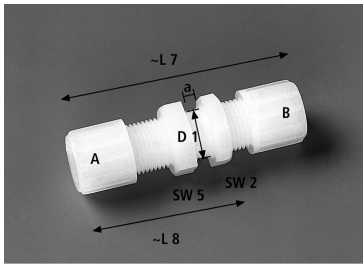
### Dimensions 1A101P... , 1C101P...

A(DN)		B(D)		~L28*	~L29*	SW5	SW6	ØD1	a
4/6	1/6"- 1/4"	6	1/4"	64	37	14	17	10.5	9
5/8	6/8	8		70	43	19	19	14.5	9
6/9		10						16.5	
6/10	8/10	10	3/8"	78	48	22	22	16.5	10
8/12	9/12	10/12	3/8"- 1/2"	89	56	24	24	18.5	12
10/14	12/14	14		98	65	27	27	20.5	14
12/16	14/16	16		106	73	27	32	22.5	16
14/18	16/18	18		115	76	30	32	24.5	16
16/20	18/20	20	5/8"- 3/4"	119	80	32	32	26.5	18

\* for connections in inch add 2 mm per side

## Straight bulkhead union for flexible tube on both ends (Series 1A)

# 1



Article-Nr	Connection A	Connection B	Material
1A101T0340PP	DN1/8"/1/4"	DN04/06	PP
1A101T03PP	DN1/8"/1/4"	DN1/8"/1/4"	PP
1A101T03PV	DN1/8"/1/4"	DN1/8"/1/4"	PVDF
1A101T04PV	DN5/32"/1/4"	DN5/32"/1/4"	PVDF
1A101T05PP	DN1/6"/1/4"	DN1/6"/1/4"	PP
1A101T05PV	DN1/6"/1/4"	DN1/6"/1/4"	PVDF
1A101T06PV	DN3/16"/1/4"	DN3/16"/1/4"	PVDF
1A101T11PP	DN1/4"/3/8"	DN1/4"/3/8"	PP
1A101T11PV	DN1/4"/3/8"	DN1/4"/3/8"	PVDF
1A101T15PP	DN3/8"/1/2"	DN3/8"/1/2"	PP
1A101T15PV	DN3/8"/1/2"	DN3/8"/1/2"	PVDF
1A101T20PV	DN5/8"/3/4"	DN5/8"/3/4"	PVDF
1A101T4003PP	DN04/06	DN1/8"/1/4"	PP
1A101T4003PV	DN04/06	DN1/8"/1/4"	PVDF
1A101T4005PP	DN04/06	DN1/6"/1/4"	PP
1A101T4005PV	DN04/06	DN1/6"/1/4"	PVDF
1A101T4011PP	DN04/06	DN1/4"/3/8"	PP
1A101T4043PN	DN04/06	DN06/08	PP-NATUR
1A101T4043PP	DN04/06	DN06/08	PP
1A101T4043PV	DN04/06	DN06/08	PVDF
1A101T4044PP	DN04/06	DN06/10	PP
1A101T4044PV	DN04/06	DN06/10	PVDF
1A101T4045PN	DN04/06	DN08/10	PP-NATUR
1A101T4045PP	DN04/06	DN08/10	PP
1A101T4045PV	DN04/06	DN08/10	PVDF
1A101T4046PV	DN04/06	DN08/12	PVDF
1A101T4047PP	DN04/06	DN09/12	PP
1A101T4048PN	DN04/06	DN10/12	PP-NATUR
1A101T4048PP	DN04/06	DN10/12	PP
1A101T4048PV	DN04/06	DN10/12	PVDF
1A101T4049PP	DN04/06	DN10/14	PP
1A101T4051PV	DN04/06	DN12/14	PVDF
1A101T40PN	DN04/06	DN04/06	PP-NATUR
1A101T40PP	DN04/06	DN04/06	PP
1A101T40PV	DN04/06	DN04/06	PVDF
1A101T42PN	DN05/08	DN05/08	PP-NATUR
1A101T42PP	DN05/08	DN05/08	PP
1A101T42PV	DN05/08	DN05/08	PVDF
1A101T4311PP	DN06/08	DN1/4"/3/8"	PP
1A101T4311PV	DN06/08	DN1/4"/3/8"	PVDF
1A101T4340PN	DN06/08	DN04/06	PP-NATUR
1A101T4340PP	DN06/08	DN04/06	PP
1A101T4340PV	DN06/08	DN04/06	PVDF
1A101T4345PP	DN06/08	DN08/10	PP
1A101T4345PV	DN06/08	DN08/10	PVDF
1A101T4348PP	DN06/08	DN10/12	PP
1A101T4348PV	DN06/08	DN10/12	PVDF
1A101T43PN	DN06/08	DN06/08	PP-NATUR
1A101T43PP	DN06/08	DN06/08	PP
1A101T43PV	DN06/08	DN06/08	PVDF
1A101T4440PV	DN06/10	DN04/06	PVDF
1A101T4443PV	DN06/10	DN06/08	PVDF
1A101T44PP	DN06/10	DN06/10	PP
1A101T44PV	DN06/10	DN06/10	PVDF
1A101T4511PV	DN08/10	DN1/4"/3/8"	PVDF
1A101T4540PP	DN08/10	DN04/06	PP
1A101T4540PV	DN08/10	DN04/06	PVDF
1A101T4543PP	DN08/10	DN06/08	PP
1A101T4543PV	DN08/10	DN06/08	PVDF
1A101T4544PP	DN08/10	DN06/10	PP
1A101T4548PP	DN08/10	DN10/12	PP
1A101T4548PV	DN08/10	DN10/12	PVDF

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Article-Nr	Connection A	Connection B	Material
1A101T45PN	DN08/10	DN08/10	PP-NATUR
1A101T45PP	DN08/10	DN08/10	PP
1A101T45PV	DN08/10	DN08/10	PVDF
1A101T4645PP	DN08/12	DN08/10	PP
1A101T4648PP	DN08/12	DN10/12	PP
1A101T46PP	DN08/12	DN08/12	PP
1A101T46PV	DN08/12	DN08/12	PVDF
1A101T47PP	DN09/12	DN09/12	PP
1A101T47PV	DN09/12	DN09/12	PVDF
1A101T4811PV	DN10/12	DN1/4"/3/8"	PVDF
1A101T4815PP	DN10/12	DN3/8"/1/2"	PP
1A101T4840PP	DN10/12	DN04/06	PP
1A101T4840PV	DN10/12	DN04/06	PVDF
1A101T4843PN	DN10/12	DN06/08	PP-NATUR
1A101T4843PP	DN10/12	DN06/08	PP
1A101T4843PV	DN10/12	DN06/08	PVDF
1A101T4845PN	DN10/12	DN08/10	PP-NATUR
1A101T4845PP	DN10/12	DN08/10	PP
1A101T4845PV	DN10/12	DN08/10	PVDF
1A101T48PN	DN10/12	DN10/12	PP-NATUR
1A101T48PP	DN10/12	DN10/12	PP
1A101T48PV	DN10/12	DN10/12	PVDF
1A101T4940PV	DN10/14	DN04/06	PVDF
1A101T49PP	DN10/14	DN10/14	PP
1A101T49PV	DN10/14	DN10/14	PVDF
1A101T5145PV	DN12/14	DN08/10	PVDF
1A101T51PP	DN12/14	DN12/14	PP
1A101T51PV	DN12/14	DN12/14	PVDF
1A101T52PP	DN12/16	DN12/16	PP
1A101T52PV	DN12/16	DN12/16	PVDF
1A101T53PP	DN14/16	DN14/16	PP
1A101T53PV	DN14/16	DN14/16	PVDF
1A101T54PP	DN14/18	DN14/18	PP
1A101T54PV	DN14/18	DN14/18	PVDF
1A101T55PP	DN16/18	DN16/18	PP
1A101T55PV	DN16/18	DN16/18	PVDF
1A101T56PP	DN16/20	DN16/20	PP
1A101T56PV	DN16/20	DN16/20	PVDF
1A101T57PP	DN18/20	DN18/20	PP
1A101T57PV	DN18/20	DN18/20	PVDF

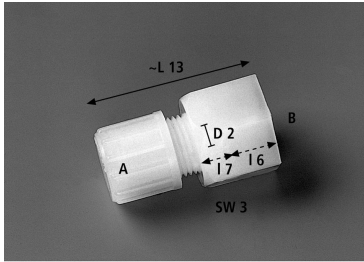
Dimensions 1A101T... , 1C101T...

A-B(DN)		~L7	~L8	SW2	SW5	ØD1	a
4/6	1/6"- 1/4"	53	36	14	14	10.5	9
5/8**	6/8	64	43	19 (17)**	19	14.5	9
6/9				22		16.5	
6/10	8/10	73	49	22	22	16.5	10
8/12	9/12 10/12	84	56	24	24	18.5	12
10/14	12/14	98	65	27	27	20.5	14
12/16	14/16	105	70	27	27	22.5	16
14/18	16/18	111	73	27	30	24.5	16
16/20	18/20	120	80	32	32	26.5	18

\* for connections in inch add 2 mm per side

# Straight pressure gauge connector for flexible tube (Series 1A) with female G-thread

# 1



Article-Nr	Connection A	Connection B	Material
1A110FG0512PV	DN1/6"/1/4"	G1/2"	PVDF
1A110FG4012PP	DN04/06	G1/2"	PP
1A110FG4012PV	DN04/06	G1/2"	PVDF
1A110FG4014PP	DN04/06	G1/4"	PP
1A110FG4014PV	DN04/06	G1/4"	PVDF
1A110FG4018PV	DN04/06	G1/8"	PVDF
1A110FG4038PP	DN04/06	G3/8"	PP
1A110FG4312PP	DN06/08	G1/2"	PP
1A110FG4312PV	DN06/08	G1/2"	PVDF
1A110FG4314PP	DN06/08	G1/4"	PP
1A110FG4314PV	DN06/08	G1/4"	PVDF
1A110FG4338PP	DN06/08	G3/8"	PP
1A110FG4412PP	DN06/10	G1/2"	PP
1A110FG4412PV	DN06/10	G1/2"	PVDF
1A110FG4414PP	DN06/10	G1/4"	PP
1A110FG4414PV	DN06/10	G1/4"	PVDF
1A110FG4512PP	DN08/10	G1/2"	PP
1A110FG4512PV	DN08/10	G1/2"	PVDF
1A110FG4514PP	DN08/10	G1/4"	PP
1A110FG4612PP	DN08/12	G1/2"	PP
1A110FG4612PV	DN08/12	G1/2"	PVDF
1A110FG4812PP	DN10/12	G1/2"	PP
1A110FG4812PV	DN10/12	G1/2"	PVDF
1A110FG4912PP	DN10/14	G1/2"	PP

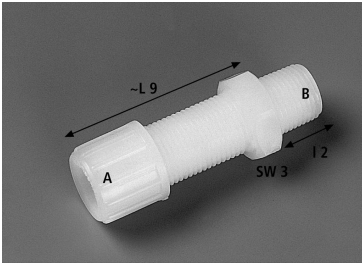
## Dimensions 1A110FG... , 1C110FG...

	A(DN)		B(G)	l6	l7	~L13*	SW3	ØD2
4/6	1/6"/1/4"	1/4"	10	4	36.5	17	5,5	
4/6	1/6"/1/4"	1/2"	18	6	44	27	7	
5/8	6/8	1/4"	10	4	38	17	5,5	
5/8	6/8	1/2"	18	6	48	27	7	
6/9		1/4"	10	4				
6/9		1/2"	18	6				
6/10		1/4"	10	4	41	19	5,5	
6/10	8/10	1/4"/3/8"	18	6	51	27	7	
8/12		1/2"	18	6	55	27	7	

\* for connections in inch add 2 mm per side

**Straight connector for flexible tube (Series 1A)  
with male G-thread (long model)**

1



Article-Nr	Connection A	Connection B	Material
1A110MG4012PP	DN04/06	G1/2"	PP
1A110MG4012PV	DN04/06	G1/2"	PVDF
1A110MG4014PP	DN04/06	G1/4"	PP
1A110MG4014PV	DN04/06	G1/4"	PVDF
1A110MG4018PP	DN04/06	G1/8"	PP
1A110MG4018PV	DN04/06	G1/8"	PVDF
1A110MG4018PVFP	DN04/06	G1/8"	PVDF/FPM
1A110MG4038PP	DN04/06	G3/8"	PP
1A110MG4038PV	DN04/06	G3/8"	PVDF
1A110MG4312PP	DN06/08	G1/2"	PP
1A110MG4312PV	DN06/08	G1/2"	PVDF
1A110MG4314PP	DN06/08	G1/4"	PP
1A110MG4314PV	DN06/08	G1/4"	PVDF
1A110MG4318PP	DN06/08	G1/8"	PP
1A110MG4318PV	DN06/08	G1/8"	PVDF
1A110MG4338PP	DN06/08	G3/8"	PP
1A110MG4338PV	DN06/08	G3/8"	PVDF
1A110MG4412PP	DN06/10	G1/2"	PP
1A110MG4412PV	DN06/10	G1/2"	PVDF
1A110MG4414PP	DN06/10	G1/4"	PP
1A110MG4414PV	DN06/10	G1/4"	PVDF
1A110MG4438PP	DN06/10	G3/8"	PP
1A110MG4438PV	DN06/10	G3/8"	PVDF
1A110MG4512PP	DN08/10	G1/2"	PP
1A110MG4512PV	DN08/10	G1/2"	PVDF
1A110MG4514PP	DN08/10	G1/4"	PP
1A110MG4514PV	DN08/10	G1/4"	PVDF
1A110MG4538PP	DN08/10	G3/8"	PP
1A110MG4538PV	DN08/10	G3/8"	PVDF
1A110MG4612PP	DN08/12	G1/2"	PP
1A110MG4612PV	DN08/12	G1/2"	PVDF
1A110MG4614PP	DN08/12	G1/4"	PP
1A110MG4614PV	DN08/12	G1/4"	PVDF
1A110MG4638PP	DN08/12	G3/8"	PP
1A110MG4638PV	DN08/12	G3/8"	PVDF
1A110MG4812PP	DN10/12	G1/2"	PP
1A110MG4812PV	DN10/12	G1/2"	PVDF
1A110MG4814PP	DN10/12	G1/4"	PP
1A110MG4814PV	DN10/12	G1/4"	PVDF
1A110MG4838PP	DN10/12	G3/8"	PP
1A110MG4838PV	DN10/12	G3/8"	PVDF
1A110MG4912PP	DN10/14	G1/2"	PP
1A110MG4912PV	DN10/14	G1/2"	PVDF
1A110MG4914PP	DN10/14	G1/4"	PP
1A110MG4914PV	DN10/14	G1/4"	PVDF
1A110MG4938PP	DN10/14	G3/8"	PP
1A110MG4938PV	DN10/14	G3/8"	PVDF
1A110MG5112PP	DN12/14	G1/2"	PP
1A110MG5112PV	DN12/14	G1/2"	PVDF
1A110MG5114PP	DN12/14	G1/4"	PP
1A110MG5114PV	DN12/14	G1/4"	PVDF
1A110MG5138PP	DN12/14	G3/8"	PP
1A110MG5138PV	DN12/14	G3/8"	PVDF
1A110MG5212PP	DN12/16	G1/2"	PP
1A110MG5212PV	DN12/16	G1/2"	PVDF
1A110MG5238PP	DN12/16	G3/8"	PP
1A110MG5238PV	DN12/16	G3/8"	PVDF
1A110MG5312PP	DN14/16	G1/2"	PP
1A110MG5312PV	DN14/16	G1/2"	PVDF
1A110MG5338PP	DN14/16	G3/8"	PP
1A110MG5338PV	DN14/16	G3/8"	PVDF

**Straight connector for flexible tube (Series 1A)  
with male G-thread (long model)**

**1**

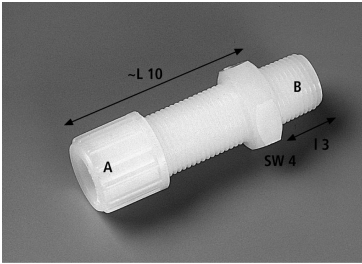
Dimensions 1A110MG... , 1C110MG...

A(DN)			B(G)	l2	~L9*	SW3	
4/6			1/6"/1/4"	1/8"	8	37.5	14
4/6			1/6"/1/4"	1/4"	12	39	17
4/6			1/6"/1/4"	3/8"	12	40.5	22
4/6			1/6"/1/4"	1/2"	14	43	27
5/8	6/8			1/8"	8	44.5	19
5/8	6/8			1/4"	12	45	19
5/8	6/8			3/8"	12	45.5	22
5/8	6/8			1/2"	14	48	27
6/9				1/8"	8	32.5	22
6/9				1/4"	12	33	22
6/9				3/8"	12	33.5	22
6/9				1/2"	14	36	27
6/10	8/10		1/4"/3/8"	1/8"	8	49.5	22
6/10	8/10		1/4"/3/8"	1/4"	12	50	22
6/10	8/10		1/4"/3/8"	3/8"	12	50.5	22
6/10	8/10		1/4"/3/8"	1/2"	14	53	27
8/12	9/12	10/12	3/8"/1/2"	1/4"	12	58	24
8/12	9/12	10/12	3/8"/1/2"	3/8"	12	58.5	24
8/12	9/12	10/12	3/8"/1/2"	1/2"	14	60	27
8/12	9/12	10/12	3/8"/1/2"	3/4"	16	61	32
10/14	12/14			1/4"	12	67	24
10/14	12/14			3/8"	12	67.5	24
10/14	12/14			1/2"	14	68	27
10/14	12/14			3/4"	16	69	32
12/16	14/16			3/8"	12	72.5	27
12/16	14/16			1/2"	14	73	27
12/16	14/16			3/4"	16	74	32
14/18	16/18			1/2"	14	79	27
14/18	16/18			3/4"	16	79	32
			5/8"/3/4"	1/4"	12	80	32
			5/8"/3/4"	3/8"	12	80.5	32
16/20	18/20		5/8"/3/4"	1/2"	14	81	32
16/20	18/20		5/8"/3/4"	3/4"	16	81	32

\* for connections in inch add 2 mm per side

**Straight connector for flexible tube (Series 1A)  
with male NPT-thread (long model)**

1



Article-Nr	Connection A	Connection B	Material
1A110MN4014PP	DN04/06	NPT1/4"	PP
1A110MN4018PP	DN04/06	NPT1/8"	PP
1A110MN4018PV	DN04/06	NPT1/8"	PVDF
1A110MN4814PP	DN10/12	NPT1/4"	PP

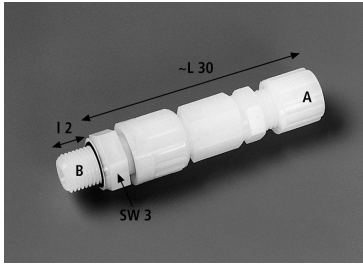
**Dimensions 1A110MN... , 1C110MN...**

A(DN)		B(NPT)		I3	~L10*	SW4
4/6		1/6"/1/4"	1/8"	10	36	14
4/6		1/6"/1/4"	1/4"	15	37	17
4/6		1/6"/1/4"	3/8"	15.3	37	19
4/6		1/6"/1/4"	1/2"	20	39	24
5/8	6/8		1/8"	10	42	17
5/8	6/8		1/4"	15	42	19
5/8	6/8		3/8"	15.3	42	19
5/8	6/8		1/2"	20	44	24
6/9			1/8"	10		22
6/9			1/4"	15		22
6/9			3/8"	15.3		22
6/9			1/2"	20		24
6/10	8/10	1/4"/3/8"	1/8"	10	48	22
6/10	8/10	1/4"/3/8"	1/4"	15	48	22
6/10	8/10	1/4"/3/8"	3/8"	15.3	48	22
6/10	8/10	1/4"/3/8"	1/2"	20	49	24
8/12	9/12 10/12	3/8"/1/2"	1/4"	15	56	24
8/12	9/12 10/12	3/8"/1/2"	3/8"	15.3	56	24
8/12	9/12 10/12	3/8"/1/2"	1/2"	20	57	27
8/12	9/12 10/12	3/8"/1/2"	3/4"	20	58	32
10/14	12/14		1/4"	15	65	27
10/14	12/14		3/8"	15.3	65	27
10/14	12/14		1/2"	20	65	27
10/14	12/14		3/4"	20	66	32
12/16	14/16		3/8"	15.3	70	27
12/16	14/16		1/2"	20	70	27
12/16	14/16		3/4"	20	71	32
14/18	16/18		1/2"	20	73	27
14/18	16/18		3/4"	20	74	32
		5/8"/3/4"	1/4"	15	78	32
		5/8"/3/4"	3/8"	15.3	78	32
16/20	18/20	5/8"/3/4"	1/2"	20	78	32
16/20	18/20	5/8"/3/4"	3/4"	20	78	32

\* for connections in inch add 2 mm per side

**Straight shut-off connector for flexible tube  
(Series 1A) with male G-thread**

1



Article-Nr	Connection A	Connection B	Material
1A150MG4014PPEP	DN04/06	G1/4"	PP/EPDM
1A150MG4014PPFP	DN04/06	G1/4"	PP/FPM
1A150MG4038PV	DN04/06	G3/8"	PVDF
1A150MG4312PP	DN06/08	G1/2"	PP
1A150MG4312PPFP	DN06/08	G1/2"	PP/FPM
1A150MG4314PP	DN06/08	G1/4"	PP
1A150MG4314PPEP	DN06/08	G1/4"	PP/EPDM
1A150MG4314PPFP	DN06/08	G1/4"	PP/FPM
1A150MG4314PVFP	DN06/08	G1/4"	PVDF/FPM
1A150MG4414PV	DN06/10	G1/4"	PVDF
1A150MG4512PP	DN08/10	G1/2"	PP
1A150MG4514PP	DN08/10	G1/4"	PP
1A150MG4514PV	DN08/10	G1/4"	PVDF
1A150MG4612PP	DN08/12	G1/2"	PP
1A150MG4614PP	DN08/12	G1/4"	PP
1A150MG4812PP	DN10/12	G1/2"	PP
1A150MG4812PV	DN10/12	G1/2"	PVDF

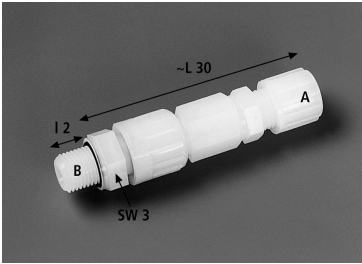
**Dimensions 1A150MG . . . , 1C150MG . . .**

	A(DN)	B(G)	l2	~L30	SW3	
4/6		1/4"	12	73.5	17	
4/6		3/8"	12	103	22	
4/6		1/2"	14	103	27	
5/8	6/8	1/4"	12	76.5	17	
5/8	6/8	3/8"	12	106	22	
5/8	6/8	1/2"	14	106	27	
6/10	8/10	1/4"	12	80.5	19	
6/10	8/10	3/8"	12	110	22	
6/10	8/10	1/2"	14	110	27	
8/12		10/12	1/4"	12	82.5	22
8/12		10/12	3/8"	12	112	22
8/12		10/12	1/2"	14	112	27

\* for connections in inch add 2 mm per side



## Straight shut-off connector for flexible tube (Series 1A) with male NPT-thread



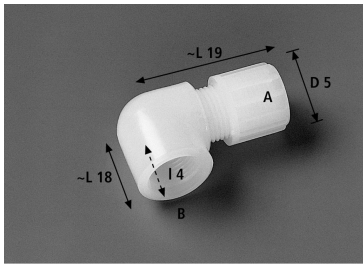
Article-Nr	Connection A	Connection B	Material
1A150MN4012PP	DN04/06	NPT1/2"	PP
1A150MN4014PP	DN04/06	NPT1/4"	PP
1A150MN4014PV	DN04/06	NPT1/4"	PVDF

### Dimensions 1A150MN... , 1C150MN...

	A(DN)	B(NPT)	l3	~L31	SW4
4/6		1/4"	15	73.5	17
4/6		3/8"	15.3	103	19
4/6		1/2"	20	103	24
6/8		1/4"	15	76.5	17
6/8		3/8"	15.3	106	19
6/8		1/2"	20	106	24
6/10	8/10	1/4"	15	80.5	19
6/10	8/10	3/8"	15.3	110	19
6/10	8/10	1/2"	20	110	24
8/12	10/12	1/4"	15	82.5	22
8/12	10/12	3/8"	15.3	112	22
8/12	10/12	1/2"	20	112	24

\* for connections in inch add 2 mm per side

Elbow connector for flexible tube (Series 1A)  
with female G-thread



Article-Nr	Connection A	Connection B	Material
1A200FG1112PP	DN1/4"/3/8"	G1/2"	PP
1A200FG1512PP	DN3/8"/1/2"	G1/2"	PP
1A200FG1538PV	DN3/8"/1/2"	G3/8"	PVDF
1A200FG4012PP	DN04/06	G1/2"	PP
1A200FG4012PV	DN04/06	G1/2"	PVDF
1A200FG4014PN	DN04/06	G1/4"	PP-NATUR
1A200FG4014PP	DN04/06	G1/4"	PP
1A200FG4014PV	DN04/06	G1/4"	PVDF
1A200FG4018PN	DN04/06	G1/8"	PP-NATUR
1A200FG4018PP	DN04/06	G1/8"	PP
1A200FG4018PV	DN04/06	G1/8"	PVDF
1A200FG4038PP	DN04/06	G3/8"	PP
1A200FG4038PV	DN04/06	G3/8"	PVDF
1A200FG4212PP	DN05/08	G1/2"	PP
1A200FG4238PP	DN05/08	G3/8"	PP
1A200FG4312PP	DN06/08	G1/2"	PP
1A200FG4312PV	DN06/08	G1/2"	PVDF
1A200FG4314PN	DN06/08	G1/4"	PP-NATUR
1A200FG4314PP	DN06/08	G1/4"	PP
1A200FG4314PV	DN06/08	G1/4"	PVDF
1A200FG4318PP	DN06/08	G1/8"	PP
1A200FG4318PV	DN06/08	G1/8"	PVDF
1A200FG4338PN	DN06/08	G3/8"	PP-NATUR
1A200FG4338PP	DN06/08	G3/8"	PP
1A200FG4338PV	DN06/08	G3/8"	PVDF
1A200FG4412PP	DN06/10	G1/2"	PP
1A200FG4412PV	DN06/10	G1/2"	PVDF
1A200FG4414PP	DN06/10	G1/4"	PP
1A200FG4414PV	DN06/10	G1/4"	PVDF
1A200FG4418PP	DN06/10	G1/8"	PP
1A200FG4418PV	DN06/10	G1/8"	PVDF
1A200FG4438PP	DN06/10	G3/8"	PP
1A200FG4438PV	DN06/10	G3/8"	PVDF
1A200FG4512PP	DN08/10	G1/2"	PP
1A200FG4512PV	DN08/10	G1/2"	PVDF
1A200FG4514PP	DN08/10	G1/4"	PP
1A200FG4514PV	DN08/10	G1/4"	PVDF
1A200FG4518PP	DN08/10	G1/8"	PP
1A200FG4518PV	DN08/10	G1/8"	PVDF
1A200FG4538PP	DN08/10	G3/8"	PP
1A200FG4538PV	DN08/10	G3/8"	PVDF
1A200FG4612PP	DN08/12	G1/2"	PP
1A200FG4612PV	DN08/12	G1/2"	PVDF
1A200FG4614PP	DN08/12	G1/4"	PP
1A200FG4614PV	DN08/12	G1/4"	PVDF
1A200FG4618PP	DN08/12	G1/8"	PP
1A200FG4618PV	DN08/12	G1/8"	PVDF
1A200FG4638PP	DN08/12	G3/8"	PP
1A200FG4638PV	DN08/12	G3/8"	PVDF
1A200FG4712PP	DN09/12	G1/2"	PP
1A200FG4714PP	DN09/12	G1/4"	PP
1A200FG4738PP	DN09/12	G3/8"	PP
1A200FG4812PP	DN10/12	G1/2"	PP
1A200FG4812PV	DN10/12	G1/2"	PVDF
1A200FG4814PN	DN10/12	G1/4"	PP-NATUR
1A200FG4814PP	DN10/12	G1/4"	PP
1A200FG4814PV	DN10/12	G1/4"	PVDF
1A200FG4818PP	DN10/12	G1/8"	PP
1A200FG4818PV	DN10/12	G1/8"	PVDF
1A200FG4834PP	DN10/12	G3/4"	PP
1A200FG4838PN	DN10/12	G3/8"	PP-NATUR
1A200FG4838PP	DN10/12	G3/8"	PP

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**Elbow connector for flexible tube (Series 1A)  
with female G-thread**

**1**

Article-Nr	Connection A	Connection B	Material
1A200FG4838PV	DN10/12	G3/8"	PVDF
1A200FG4912PP	DN10/14	G1/2"	PP
1A200FG4912PV	DN10/14	G1/2"	PVDF
1A200FG4914PN	DN10/14	G1/4"	PP-NATUR
1A200FG4914PP	DN10/14	G1/4"	PP
1A200FG4914PV	DN10/14	G1/4"	PVDF
1A200FG4918PP	DN10/14	G1/8"	PP
1A200FG4918PV	DN10/14	G1/8"	PVDF
1A200FG4938PP	DN10/14	G3/8"	PP
1A200FG4938PV	DN10/14	G3/8"	PVDF
1A200FG5112PP	DN12/14	G1/2"	PP
1A200FG5112PV	DN12/14	G1/2"	PVDF
1A200FG5114PP	DN12/14	G1/4"	PP
1A200FG5114PV	DN12/14	G1/4"	PVDF
1A200FG5118PP	DN12/14	G1/8"	PP
1A200FG5118PV	DN12/14	G1/8"	PVDF
1A200FG5138PP	DN12/14	G3/8"	PP
1A200FG5138PV	DN12/14	G3/8"	PVDF
1A200FG5212PP	DN12/16	G1/2"	PP
1A200FG5212PV	DN12/16	G1/2"	PVDF
1A200FG5214PP	DN12/16	G1/4"	PP
1A200FG5214PV	DN12/16	G1/4"	PVDF
1A200FG5238PP	DN12/16	G3/8"	PP
1A200FG5238PV	DN12/16	G3/8"	PVDF
1A200FG5312PP	DN14/16	G1/2"	PP
1A200FG5312PV	DN14/16	G1/2"	PVDF
1A200FG5314PP	DN14/16	G1/4"	PP
1A200FG5314PV	DN14/16	G1/4"	PVDF
1A200FG5338PP	DN14/16	G3/8"	PP
1A200FG5338PV	DN14/16	G3/8"	PVDF
1A200FG5612PP	DN16/20	G1/2"	PP
1A200FG5612PV	DN16/20	G1/2"	PVDF
1A200FG5614PP	DN16/20	G1/4"	PP
1A200FG5638PP	DN16/20	G3/8"	PP
1A200FG5712PV	DN18/20	G1/2"	PVDF

**Dimensions 1A200FG... , 1C200FG...**

	A(DN)	B(G)	l4	L18	~L19*	ØD5
4/6		1/8"	10	17	26	15
		1/6"/1/4"				
4/6		1/4"	15	20	29	20
		1/6"/1/4"				
4/6		3/8"	15	20	32	25
		1/6"/1/4"				
4/6		1/2"	16	23	34	30
		1/6"/1/4"				
5/8	6/8	1/8"	10	17	30	15
5/8	6/8	1/4"	15	20	33	20
5/8	6/8	3/8"	15	20	36	25
5/8	6/8	1/2"	16	23	38	30
6/9		1/8"	10			
6/9		1/4"	15			
6/9		3/8"	15			
6/9		1/2"	16			
6/10	8/10	1/8"	10	17	36	20
		1/4"/3/8"				
6/10	8/10	1/4"	15	20	36	20
		1/4"/3/8"				
6/10	8/10	3/8"	15	20	39	25
		1/4"/3/8"				
6/10	8/10	1/2"	16	23	41	30
		1/4"/3/8"				
8/12	9/12 10/12	1/8"	10	20	40	20

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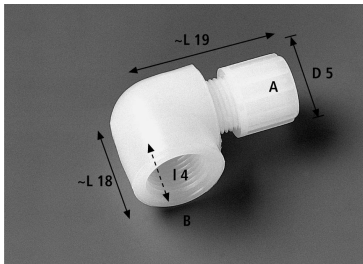
**Elbow connector for flexible tube (Series 1A)  
with female G-thread**

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	A(DN)		B(G)	I4	L18	~L19*	ØD5
8/12	9/12	10/12	3/8"/1/2"	1/4"	15	20	20
8/12	9/12	10/12	3/8"/1/2"	3/8"	15	20	25
8/12	9/12	10/12	3/8"/1/2"	1/2"	16	23	30
8/12	9/12	10/12	3/8"/1/2"	3/4"	20	37	45
10/14	12/14		1/8"	10	23	48	25
10/14	12/14		1/4"	15	23	48	25
10/14	12/14		3/8"	15	23	48	25
10/14	12/14		1/2"	16	25	50	30
10/14	12/14		3/4"	20	37	61	45
12/16	14/16		1/4"	15	25	50	25
12/16	14/16		3/8"	15	25	50	25
12/16	14/16		1/2"	16	25	52	30
12/16	14/16		3/4"	20	37	63	45
14/18	16/18		1/4"	15	25	55	30
14/18	16/18		3/8"	15	25	55	30
14/18	16/18		1/2"	16	25	55	30
14/18	16/18		3/4"	20	37	66	45
16/20	18/20		1/4"	15	25	57	30
		5/8"/3/4"					
16/20	18/20		3/8"	15	25	57	30
		5/8"/3/4"					
16/20	18/20		1/2"	16	28	57	30
		5/8"/3/4"					
16/20	18/20		3/4"	20	37	68	45
		5/8"/3/4"					

\* for connections in inch add 2 mm per side

**Elbow connector for flexible tube (Series 1A)  
with female M-thread**



Article-Nr	Connection A	Connection B	Material
1A200FM4011PP	DN04/06	M10x1	PP
1A200FM4011PV	DN04/06	M10x1	PVDF
1A200FM4012PP	DN04/06	M10x1,5	PP
1A200FM4012PV	DN04/06	M10x1,5	PVDF
1A200FM4014PP	DN04/06	M12x1	PP
1A200FM4014PV	DN04/06	M12x1	PVDF
1A200FM4015PP	DN04/06	M12x1,5	PP
1A200FM4015PV	DN04/06	M12x1,5	PVDF
1A200FM4017PP	DN04/06	M14x1,5	PP
1A200FM4017PV	DN04/06	M14x1,5	PVDF
1A200FM4019PP	DN04/06	M16x1,5	PP
1A200FM4019PV	DN04/06	M16x1,5	PVDF
1A200FM4021PP	DN04/06	M18x1,5	PP
1A200FM4021PV	DN04/06	M18x1,5	PVDF
1A200FM4023PP	DN04/06	M20x1,5	PP
1A200FM4023PV	DN04/06	M20x1,5	PVDF
1A200FM4312PP	DN06/08	M10x1,5	PP
1A200FM4312PV	DN06/08	M10x1,5	PVDF
1A200FM4315PP	DN06/08	M12x1,5	PP
1A200FM4315PV	DN06/08	M12x1,5	PVDF
1A200FM4317PP	DN06/08	M14x1,5	PP
1A200FM4317PV	DN06/08	M14x1,5	PVDF
1A200FM4319PP	DN06/08	M16x1,5	PP
1A200FM4319PV	DN06/08	M16x1,5	PVDF
1A200FM4321PP	DN06/08	M18x1,5	PP
1A200FM4321PV	DN06/08	M18x1,5	PVDF
1A200FM4323PP	DN06/08	M20x1,5	PP
1A200FM4412PP	DN06/10	M10x1,5	PP
1A200FM4412PV	DN06/10	M10x1,5	PVDF
1A200FM4415PP	DN06/10	M12x1,5	PP
1A200FM4415PV	DN06/10	M12x1,5	PVDF
1A200FM4417PP	DN06/10	M14x1,5	PP
1A200FM4417PV	DN06/10	M14x1,5	PVDF
1A200FM4419PP	DN06/10	M16x1,5	PP
1A200FM4419PV	DN06/10	M16x1,5	PVDF
1A200FM4421PP	DN06/10	M18x1,5	PP
1A200FM4421PV	DN06/10	M18x1,5	PVDF
1A200FM4512PP	DN08/10	M10x1,5	PP
1A200FM4512PV	DN08/10	M10x1,5	PVDF
1A200FM4515PP	DN08/10	M12x1,5	PP
1A200FM4515PV	DN08/10	M12x1,5	PVDF
1A200FM4517PP	DN08/10	M14x1,5	PP
1A200FM4517PV	DN08/10	M14x1,5	PVDF
1A200FM4519PP	DN08/10	M16x1,5	PP
1A200FM4519PV	DN08/10	M16x1,5	PVDF
1A200FM4521PP	DN08/10	M18x1,5	PP
1A200FM4521PV	DN08/10	M18x1,5	PVDF
1A200FM4523PP	DN08/10	M20x1,5	PP
1A200FM4523PV	DN08/10	M20x1,5	PVDF
1A200FM4615PP	DN08/12	M12x1,5	PP
1A200FM4615PV	DN08/12	M12x1,5	PVDF
1A200FM4617PP	DN08/12	M14x1,5	PP
1A200FM4617PV	DN08/12	M14x1,5	PVDF
1A200FM4619PP	DN08/12	M16x1,5	PP
1A200FM4619PV	DN08/12	M16x1,5	PVDF
1A200FM4621PP	DN08/12	M18x1,5	PP
1A200FM4621PV	DN08/12	M18x1,5	PVDF
1A200FM4723PP	DN09/12	M20x1,5	PP
1A200FM4815PP	DN10/12	M12x1,5	PP
1A200FM4815PV	DN10/12	M12x1,5	PVDF
1A200FM4817PP	DN10/12	M14x1,5	PP
1A200FM4817PV	DN10/12	M14x1,5	PVDF

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**Elbow connector for flexible tube (Series 1A)  
with female M-thread**

**1**

Article-Nr	Connection A	Connection B	Material
1A200FM4819PP	DN10/12	M16x1,5	PP
1A200FM4819PV	DN10/12	M16x1,5	PVDF
1A200FM4821PP	DN10/12	M18x1,5	PP
1A200FM4821PV	DN10/12	M18x1,5	PVDF
1A200FM4823PV	DN10/12	M20x1,5	PVDF
1A200FM4915PP	DN10/14	M12x1,5	PP
1A200FM4915PV	DN10/14	M12x1,5	PVDF
1A200FM4917PP	DN10/14	M14x1,5	PP
1A200FM4917PV	DN10/14	M14x1,5	PVDF
1A200FM4919PP	DN10/14	M16x1,5	PP
1A200FM4919PV	DN10/14	M16x1,5	PVDF
1A200FM4921PP	DN10/14	M18x1,5	PP
1A200FM4921PV	DN10/14	M18x1,5	PVDF
1A200FM5115PP	DN12/14	M12x1,5	PP
1A200FM5115PV	DN12/14	M12x1,5	PVDF
1A200FM5117PP	DN12/14	M14x1,5	PP
1A200FM5117PV	DN12/14	M14x1,5	PVDF
1A200FM5119PP	DN12/14	M16x1,5	PP
1A200FM5119PV	DN12/14	M16x1,5	PVDF
1A200FM5121PP	DN12/14	M18x1,5	PP
1A200FM5121PV	DN12/14	M18x1,5	PVDF
1A200FM5523PV	DN16/18	M20x1,5	PVDF

**Dimensions 1A200FM... , 1C200FM...**

A(DN)		B(M)	l4	L18	~L19	ØD5	
4/6		5	8	17	25	13	
4/6		6	10	17	26	15	
4/6		10x1	10	17	26	15	
4/6		10x1,5	10	17	26	15	
4/6		12x1,5	15	20	29	20	
4/6		14x1,5	15	20	29	20	
4/6		16x1,5	15.5	20	32	25	
4/6		18x1,5	16.5	20	32	25	
5/8	6/8	10x1	10	17	30	15	
5/8	6/8	10x1,5	10	17	30	15	
5/8	6/8	12x1,5	15	20	33	20	
5/8	6/8	14x1,5	15	20	33	20	
5/8	6/8	16x1,5	15.5	20	36	25	
5/8	6/8	18x1,5	16.5	20	36	25	
6/9		10x1	10				
6/9		10x1,5	10				
6/9		12x1,5	15				
6/9		14x1,5	15				
6/9		16x1,5	15.5				
6/9		18x1,5	16.5				
6/10	8/10	10x1	10	17	36	20	
6/10	8/10	10x1,5	10	20	36	20	
6/10	8/10	12x1,5	15	20	36	20	
6/10	8/10	14x1,5	15	20	36	20	
6/10	8/10	16x1,5	15.5	20	39	25	
6/10	8/10	18x1,5	16.5	20	39	25	
8/12	9/12	10/12	12x1,5	15	20	40	20
8/12	9/12	10/12	14x1,5	15	20	40	20
8/12	9/12	10/12	16x1,5	15.5	20	43	25
8/12	9/12	10/12	18x1,5	16.5	20	43	25
10/14	12/14		12x1,5	15	23	48	25
10/14	12/14		14x1,5	15	23	48	25
10/14	12/14		16x1,5	15.5	25	48	25
10/14	12/14		18x1,5	16.5	25	48	25
12/16	14/16		14x1,5	15	25	50	25
12/16	14/16		16x1,5	15.5	25	50	25

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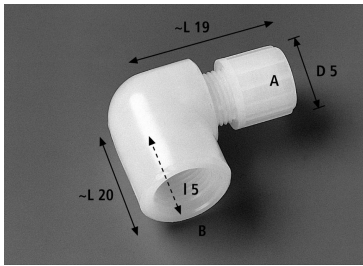
**Elbow connector for flexible tube (Series 1A)  
with female M-thread**

**1**

	A(DN)	B(M)	l4	L18	~L19	ØD5
12/16	14/16	18x1,5	16.5	25	50	25
14/18	16/18	18x1,5	16.5	28	55	30
14/18	16/18	20x1,5	16.5	28	55	30
14/18	16/18	22x1,5	18	28	55	30
14/18	16/18	24x1,5	18.5	28	55	30
16/20	18/20	20x1,5	16.5	28	57	30
16/20	18/20	22x1,5	18	28	57	30
16/20	18/20	24x1,5	18.5	28	57	30

## Elbow connector for flexible tube (Series 1A) with female NPT-thread

# 1



Article-Nr	Connection A	Connection B	Material
1A200FN1114PV	DN1/4"/3/8"	NPT1/4"	PVDF
1A200FN4012PP	DN04/06	NPT1/2"	PP
1A200FN4012PV	DN04/06	NPT1/2"	PVDF
1A200FN4014PP	DN04/06	NPT1/4"	PP
1A200FN4014PV	DN04/06	NPT1/4"	PVDF
1A200FN4018PP	DN04/06	NPT1/8"	PP
1A200FN4018PV	DN04/06	NPT1/8"	PVDF
1A200FN4038PP	DN04/06	NPT3/8"	PP
1A200FN4312PV	DN06/08	NPT1/2"	PVDF
1A200FN4314PP	DN06/08	NPT1/4"	PP
1A200FN4314PV	DN06/08	NPT1/4"	PVDF
1A200FN4318PP	DN06/08	NPT1/8"	PP
1A200FN4318PV	DN06/08	NPT1/8"	PVDF
1A200FN4338PP	DN06/08	NPT3/8"	PP
1A200FN4338PV	DN06/08	NPT3/8"	PVDF
1A200FN4412PP	DN06/10	NPT1/2"	PP
1A200FN4414PP	DN06/10	NPT1/4"	PP
1A200FN4438PP	DN06/10	NPT3/8"	PP
1A200FN4512PP	DN08/10	NPT1/2"	PP
1A200FN4512PV	DN08/10	NPT1/2"	PVDF
1A200FN4514PP	DN08/10	NPT1/4"	PP
1A200FN4514PV	DN08/10	NPT1/4"	PVDF
1A200FN4518PP	DN08/10	NPT1/8"	PP
1A200FN4612PV	DN08/12	NPT1/2"	PVDF
1A200FN4614PP	DN08/12	NPT1/4"	PP
1A200FN4812PP	DN10/12	NPT1/2"	PP
1A200FN4812PV	DN10/12	NPT1/2"	PVDF
1A200FN4814PP	DN10/12	NPT1/4"	PP
1A200FN4838PN	DN10/12	NPT3/8"	PP-NATUR
1A200FN4838PP	DN10/12	NPT3/8"	PP
1A200FN4912PP	DN10/14	NPT1/2"	PP
1A200FN4914PP	DN10/14	NPT1/4"	PP
1A200FN4914PV	DN10/14	NPT1/4"	PVDF
1A200FN4938PP	DN10/14	NPT3/8"	PP
1A200FN5112PP	DN12/14	NPT1/2"	PP
1A200FN5114PP	DN12/14	NPT1/4"	PP
1A200FN5138PP	DN12/14	NPT3/8"	PP

### Dimensions 1A200FN... , 1C200FN...

	A(DN)	B(NPT)	I5	L20	~L19*	ØD5
4/6		1/8"	11.6	20	26	15
		1/6"/1/4"				
4/6		1/4"	16.4	24	29	20
		1/6"/1/4"				
4/6		3/8"	17.4	26	32	25
		1/6"/1/4"				
4/6		1/2"	22.6	32	34	30
		1/6"/1/4"				
5/8	6/8	1/8"	11.6	20	30	15
5/8	6/8	1/4"	16.4	24	33	20
5/8	6/8	3/8"	17.4	26	36	25
5/8	6/8	1/2"	22.6	32	38	30
6/9		1/8"	11.6	20		
6/9		1/4"	16.4	24		
6/9		3/8"	17.4	26		
6/9		1/2"	22.6	32		
6/10	8/10	1/8"	11.6	20	36	20
		1/4"/3/8"				
6/10	8/10	1/4"	16.4	24	36	20
		1/4"/3/8"				
6/10	8/10	3/8"	17.4	26	39	25
		1/4"/3/8"				

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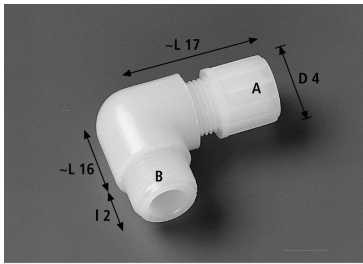
**Elbow connector for flexible tube (Series 1A)  
with female NPT-thread**

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	A(DN)		B(NPT)	I5	L20	~L19*	ØD5	
6/10	8/10		1/4"/3/8"	1/2"	22.6	32	41	30
8/12	9/12	10/12	3/8"/1/2"	1/4"	16.4	24	40	20
8/12	9/12	10/12	3/8"/1/2"	3/8"	17.4	26	43	20
8/12	9/12	10/12	3/8"/1/2"	1/2"	22.6	32	45	30
8/12	9/12	10/12	3/8"/1/2"	3/4"	23.1		56	45
10/14	12/14			1/4"	16.4	24	48	25
10/14	12/14			3/8"	17.4	26	48	25
10/14	12/14			1/2"	22.6	32	50	30
10/14	12/14			3/4"	23.1		61	45
12/16	14/16			3/8"	17.4	28	50	25
12/16	14/16			1/2"	22.6	34	52	30
12/16	14/16			3/4"	23.1		63	45
14/18	16/18			1/2"	22.6		55	30
14/18	16/18			3/4"	23.1		66	45
			5/8"/3/4"	1/4"	16.4		57	30
				3/8"	17.4		57	30
16/20	18/20		5/8"/3/4"	1/2"	22.6		57	30
16/20	18/20		5/8"/3/4"	3/4"	23.1		68	45

\* for connections in inch add 2 mm per side

**Elbow connector for flexible tube (Series 1A)  
with male G-thread**



Article-Nr	Connection A	Connection B	Material
1A200MG0314PV	DN1/8"/1/4"	G1/4"	PVDF
1A200MG0318PV	DN1/8"/1/4"	G1/8"	PVDF
1A200MG0338PV	DN1/8"/1/4"	G3/8"	PVDF
1A200MG0514PP	DN1/6"/1/4"	G1/4"	PP
1A200MG0514PV	DN1/6"/1/4"	G1/4"	PVDF
1A200MG0518PP	DN1/6"/1/4"	G1/8"	PP
1A200MG0518PV	DN1/6"/1/4"	G1/8"	PVDF
1A200MG0614PV	DN3/16"/1/4"	G1/4"	PVDF
1A200MG1112PN	DN1/4"/3/8"	G1/2"	PP-NATUR
1A200MG1112PP	DN1/4"/3/8"	G1/2"	PP
1A200MG1114PP	DN1/4"/3/8"	G1/4"	PP
1A200MG1114PV	DN1/4"/3/8"	G1/4"	PVDF
1A200MG1138PP	DN1/4"/3/8"	G3/8"	PP
1A200MG1138PV	DN1/4"/3/8"	G3/8"	PVDF
1A200MG1512PP	DN3/8"/1/2"	G1/2"	PP
1A200MG1512PV	DN3/8"/1/2"	G1/2"	PVDF
1A200MG1514PP	DN3/8"/1/2"	G1/4"	PP
1A200MG1538PP	DN3/8"/1/2"	G3/8"	PP
1A200MG2034PP	DN5/8"/3/4"	G3/4"	PP
1A200MG2034PV	DN5/8"/3/4"	G3/4"	PVDF
1A200MG4012PN	DN04/06	G1/2"	PP-NATUR
1A200MG4012PP	DN04/06	G1/2"	PP
1A200MG4012PPFP	DN04/06	G1/2"	PP/FPM
1A200MG4012PV	DN04/06	G1/2"	PVDF
1A200MG4014PAEP	DN04/06	G1/4"	PA/EPDM
1A200MG4014PAFP	DN04/06	G1/4"	PA/FPM
1A200MG4014PN	DN04/06	G1/4"	PP-NATUR
1A200MG4014PP	DN04/06	G1/4"	PP
1A200MG4014PPEP	DN04/06	G1/4"	PP/EPDM
1A200MG4014PPFP	DN04/06	G1/4"	PP/FPM
1A200MG4014PV	DN04/06	G1/4"	PVDF
1A200MG4014PVFK	DN04/06	G1/4"	PVDF/FFKM
1A200MG4014PVFP	DN04/06	G1/4"	PVDF/FPM
1A200MG4018PAEP	DN04/06	G1/8"	PA/EPDM
1A200MG4018PAFP	DN04/06	G1/8"	PA/FPM
1A200MG4018PN	DN04/06	G1/8"	PP-NATUR
1A200MG4018PNEP	DN04/06	G1/8"	PP-NATUR/EPDM
1A200MG4018PNFP	DN04/06	G1/8"	PP-NATUR/FPM
1A200MG4018PP	DN04/06	G1/8"	PP
1A200MG4018PPEP	DN04/06	G1/8"	PP/EPDM
1A200MG4018PPFP	DN04/06	G1/8"	PP/FPM
1A200MG4018PV	DN04/06	G1/8"	PVDF
1A200MG4018PVFP	DN04/06	G1/8"	PVDF/FPM
1A200MG4034PP	DN04/06	G3/4"	PP
1A200MG4034PV	DN04/06	G3/4"	PVDF
1A200MG4034PVFP	DN04/06	G3/4"	PVDF/FPM
1A200MG4038PN	DN04/06	G3/8"	PP-NATUR
1A200MG4038PP	DN04/06	G3/8"	PP
1A200MG4038PPEP	DN04/06	G3/8"	PP/EPDM
1A200MG4038PPFP	DN04/06	G3/8"	PP/FPM
1A200MG4038PV	DN04/06	G3/8"	PVDF
1A200MG4038PVFP	DN04/06	G3/8"	PVDF/FPM
1A200MG4212PP	DN05/08	G1/2"	PP
1A200MG4212PV	DN05/08	G1/2"	PVDF
1A200MG4214PN	DN05/08	G1/4"	PP-NATUR
1A200MG4214PP	DN05/08	G1/4"	PP
1A200MG4214PV	DN05/08	G1/4"	PVDF
1A200MG4218PP	DN05/08	G1/8"	PP
1A200MG4218PV	DN05/08	G1/8"	PVDF
1A200MG4238PP	DN05/08	G3/8"	PP
1A200MG4238PV	DN05/08	G3/8"	PVDF

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Elbow connector for flexible tube (Series 1A)  
with male G-thread

1

Article-Nr	Connection A	Connection B	Material
1A200MG4312PAEP	DN06/08	G1/2"	PA/EPDM
1A200MG4312PN	DN06/08	G1/2"	PP-NATUR
1A200MG4312PP	DN06/08	G1/2"	PP
1A200MG4312PPFP	DN06/08	G1/2"	PP/FPM
1A200MG4312PV	DN06/08	G1/2"	PVDF
1A200MG4312PVFP	DN06/08	G1/2"	PVDF/FPM
1A200MG4314PAEP	DN06/08	G1/4"	PA/EPDM
1A200MG4314PN	DN06/08	G1/4"	PP-NATUR
1A200MG4314PNEP	DN06/08	G1/4"	PP-NATUR/EPDM
1A200MG4314PP	DN06/08	G1/4"	PP
1A200MG4314PPEP	DN06/08	G1/4"	PP/EPDM
1A200MG4314PPFP	DN06/08	G1/4"	PP/FPM
1A200MG4314PV	DN06/08	G1/4"	PVDF
1A200MG4314PVFP	DN06/08	G1/4"	PVDF/FPM
1A200MG4318PAEP	DN06/08	G1/8"	PA/EPDM
1A200MG4318PN	DN06/08	G1/8"	PP-NATUR
1A200MG4318PNFP	DN06/08	G1/8"	PP-NATUR/FPM
1A200MG4318PP	DN06/08	G1/8"	PP
1A200MG4318PPEP	DN06/08	G1/8"	PP/EPDM
1A200MG4318PPFP	DN06/08	G1/8"	PP/FPM
1A200MG4318PV	DN06/08	G1/8"	PVDF
1A200MG4318PVFP	DN06/08	G1/8"	PVDF/FPM
1A200MG4338PAEP	DN06/08	G3/8"	PA/EPDM
1A200MG4338PN	DN06/08	G3/8"	PP-NATUR
1A200MG4338PP	DN06/08	G3/8"	PP
1A200MG4338PPFP	DN06/08	G3/8"	PP/FPM
1A200MG4338PV	DN06/08	G3/8"	PVDF
1A200MG4338PVFP	DN06/08	G3/8"	PVDF/FPM
1A200MG4412PAEP	DN06/10	G1/2"	PA/EPDM
1A200MG4412PN	DN06/10	G1/2"	PP-NATUR
1A200MG4412PP	DN06/10	G1/2"	PP
1A200MG4412PPFP	DN06/10	G1/2"	PP/FPM
1A200MG4412PV	DN06/10	G1/2"	PVDF
1A200MG4412PVFP	DN06/10	G1/2"	PVDF/FPM
1A200MG4414PAEP	DN06/10	G1/4"	PA/EPDM
1A200MG4414PP	DN06/10	G1/4"	PP
1A200MG4414PPFP	DN06/10	G1/4"	PP/FPM
1A200MG4414PV	DN06/10	G1/4"	PVDF
1A200MG4414PVFP	DN06/10	G1/4"	PVDF/FPM
1A200MG4418PAEP	DN06/10	G1/8"	PA/EPDM
1A200MG4418PP	DN06/10	G1/8"	PP
1A200MG4418PPFP	DN06/10	G1/8"	PP/FPM
1A200MG4418PV	DN06/10	G1/8"	PVDF
1A200MG4418PVFP	DN06/10	G1/8"	PVDF/FPM
1A200MG4438PAEP	DN06/10	G3/8"	PA/EPDM
1A200MG4438PAEP4	DN06/10	G3/8"	PA/EPDM
1A200MG4438PP	DN06/10	G3/8"	PP
1A200MG4438PPFP	DN06/10	G3/8"	PP/FPM
1A200MG4438PV	DN06/10	G3/8"	PVDF
1A200MG4438PVFP	DN06/10	G3/8"	PVDF/FPM
1A200MG4512PAEP	DN08/10	G1/2"	PA/EPDM
1A200MG4512PN	DN08/10	G1/2"	PP-NATUR
1A200MG4512PP	DN08/10	G1/2"	PP
1A200MG4512PPEP	DN08/10	G1/2"	PP/EPDM
1A200MG4512PPFP	DN08/10	G1/2"	PP/FPM
1A200MG4512PV	DN08/10	G1/2"	PVDF
1A200MG4512PVFP	DN08/10	G1/2"	PVDF/FPM
1A200MG4514PAEP	DN08/10	G1/4"	PA/EPDM
1A200MG4514PN	DN08/10	G1/4"	PP-NATUR
1A200MG4514PNEP	DN08/10	G1/4"	PP-NATUR/EPDM

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Elbow connector for flexible tube (Series 1A)  
with male G-thread

1

Article-Nr	Connection A	Connection B	Material
1A200MG4514PP	DN08/10	G1/4"	PP
1A200MG4514PPEP	DN08/10	G1/4"	PP/EPDM
1A200MG4514PPFP	DN08/10	G1/4"	PP/FPM
1A200MG4514PV	DN08/10	G1/4"	PVDF
1A200MG4514PVFP	DN08/10	G1/4"	PVDF/FPM
1A200MG4518PAEP	DN08/10	G1/8"	PA/EPDM
1A200MG4518PN	DN08/10	G1/8"	PP-NATUR
1A200MG4518PP	DN08/10	G1/8"	PP
1A200MG4518PPFP	DN08/10	G1/8"	PP/FPM
1A200MG4518PV	DN08/10	G1/8"	PVDF
1A200MG4518PVFP	DN08/10	G1/8"	PVDF/FPM
1A200MG4534PP	DN08/10	G3/4"	PP
1A200MG4538PAEP	DN08/10	G3/8"	PA/EPDM
1A200MG4538PN	DN08/10	G3/8"	PP-NATUR
1A200MG4538PP	DN08/10	G3/8"	PP
1A200MG4538PPFP	DN08/10	G3/8"	PP/FPM
1A200MG4538PV	DN08/10	G3/8"	PVDF
1A200MG4538PVFP	DN08/10	G3/8"	PVDF/FPM
1A200MG4612PAEP	DN08/12	G1/2"	PA/EPDM
1A200MG4612PP	DN08/12	G1/2"	PP
1A200MG4612PPFP	DN08/12	G1/2"	PP/FPM
1A200MG4612PV	DN08/12	G1/2"	PVDF
1A200MG4612PVFP	DN08/12	G1/2"	PVDF/FPM
1A200MG4614PAEP	DN08/12	G1/4"	PA/EPDM
1A200MG4614PP	DN08/12	G1/4"	PP
1A200MG4614PPFP	DN08/12	G1/4"	PP/FPM
1A200MG4614PV	DN08/12	G1/4"	PVDF
1A200MG4614PVFP	DN08/12	G1/4"	PVDF/FPM
1A200MG4618PAEP	DN08/12	G1/8"	PA/EPDM
1A200MG4618PP	DN08/12	G1/8"	PP
1A200MG4618PPFP	DN08/12	G1/8"	PP/FPM
1A200MG4618PV	DN08/12	G1/8"	PVDF
1A200MG4618PVFP	DN08/12	G1/8"	PVDF/FPM
1A200MG4634PP	DN08/12	G3/4"	PP
1A200MG4638PAEP	DN08/12	G3/8"	PA/EPDM
1A200MG4638PP	DN08/12	G3/8"	PP
1A200MG4638PPFP	DN08/12	G3/8"	PP/FPM
1A200MG4638PV	DN08/12	G3/8"	PVDF
1A200MG4638PVFP	DN08/12	G3/8"	PVDF/FPM
1A200MG4712PN	DN09/12	G1/2"	PP-NATUR
1A200MG4712PP	DN09/12	G1/2"	PP
1A200MG4712PV	DN09/12	G1/2"	PVDF
1A200MG4714PN	DN09/12	G1/4"	PP-NATUR
1A200MG4714PP	DN09/12	G1/4"	PP
1A200MG4714PPEP	DN09/12	G1/4"	PP/EPDM
1A200MG4714PPFP	DN09/12	G1/4"	PP/FPM
1A200MG4714PV	DN09/12	G1/4"	PVDF
1A200MG4714PVEP	DN09/12	G1/4"	PVDF/EPDM
1A200MG4714PVFP	DN09/12	G1/4"	PVDF/FPM
1A200MG4734PV	DN09/12	G3/4"	PVDF
1A200MG4738PN	DN09/12	G3/8"	PP-NATUR
1A200MG4738PP	DN09/12	G3/8"	PP
1A200MG4738PV	DN09/12	G3/8"	PVDF
1A200MG4812PAEP	DN10/12	G1/2"	PA/EPDM
1A200MG4812PN	DN10/12	G1/2"	PP-NATUR
1A200MG4812PP	DN10/12	G1/2"	PP
1A200MG4812PPFP	DN10/12	G1/2"	PP/FPM
1A200MG4812PV	DN10/12	G1/2"	PVDF
1A200MG4812PVFP	DN10/12	G1/2"	PVDF/FPM
1A200MG4814PAEP	DN10/12	G1/4"	PA/EPDM
1A200MG4814PN	DN10/12	G1/4"	PP-NATUR
1A200MG4814PP	DN10/12	G1/4"	PP

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Elbow connector for flexible tube (Series 1A)  
with male G-thread

1

Article-Nr	Connection A	Connection B	Material
1A200MG4814PPFP	DN10/12	G1/4"	PP/FPM
1A200MG4814PV	DN10/12	G1/4"	PVDF
1A200MG4814PVFP	DN10/12	G1/4"	PVDF/FPM
1A200MG4818PAEP	DN10/12	G1/8"	PA/EPDM
1A200MG4818PN	DN10/12	G1/8"	PP-NATUR
1A200MG4818PP	DN10/12	G1/8"	PP
1A200MG4818PPFP	DN10/12	G1/8"	PP/FPM
1A200MG4818PV	DN10/12	G1/8"	PVDF
1A200MG4818PVFP	DN10/12	G1/8"	PVDF/FPM
1A200MG4834PN	DN10/12	G3/4"	PP-NATUR
1A200MG4834PP	DN10/12	G3/4"	PP
1A200MG4834PV	DN10/12	G3/4"	PVDF
1A200MG4838PAEP	DN10/12	G3/8"	PA/EPDM
1A200MG4838PN	DN10/12	G3/8"	PP-NATUR
1A200MG4838PP	DN10/12	G3/8"	PP
1A200MG4838PPFP	DN10/12	G3/8"	PP/FPM
1A200MG4838PV	DN10/12	G3/8"	PVDF
1A200MG4838PVFP	DN10/12	G3/8"	PVDF/FPM
1A200MG4912PAEP	DN10/14	G1/2"	PA/EPDM
1A200MG4912PN	DN10/14	G1/2"	PP-NATUR
1A200MG4912PP	DN10/14	G1/2"	PP
1A200MG4912PPFP	DN10/14	G1/2"	PP/FPM
1A200MG4912PV	DN10/14	G1/2"	PVDF
1A200MG4912PVFP	DN10/14	G1/2"	PVDF/FPM
1A200MG4914PAEP	DN10/14	G1/4"	PA/EPDM
1A200MG4914PN	DN10/14	G1/4"	PP-NATUR
1A200MG4914PP	DN10/14	G1/4"	PP
1A200MG4914PPFP	DN10/14	G1/4"	PP/FPM
1A200MG4914PV	DN10/14	G1/4"	PVDF
1A200MG4914PVFP	DN10/14	G1/4"	PVDF/FPM
1A200MG4918PAEP	DN10/14	G1/8"	PA/EPDM
1A200MG4918PP	DN10/14	G1/8"	PP
1A200MG4918PPFP	DN10/14	G1/8"	PP/FPM
1A200MG4918PV	DN10/14	G1/8"	PVDF
1A200MG4918PVFP	DN10/14	G1/8"	PVDF/FPM
1A200MG4938PAEP	DN10/14	G3/8"	PA/EPDM
1A200MG4938PP	DN10/14	G3/8"	PP
1A200MG4938PPFP	DN10/14	G3/8"	PP/FPM
1A200MG4938PV	DN10/14	G3/8"	PVDF
1A200MG4938PVFP	DN10/14	G3/8"	PVDF/FPM
1A200MG5112PAEP	DN12/14	G1/2"	PA/EPDM
1A200MG5112PN	DN12/14	G1/2"	PP-NATUR
1A200MG5112PP	DN12/14	G1/2"	PP
1A200MG5112PPFP	DN12/14	G1/2"	PP/FPM
1A200MG5112PV	DN12/14	G1/2"	PVDF
1A200MG5112PVFP	DN12/14	G1/2"	PVDF/FPM
1A200MG5114PAEP	DN12/14	G1/4"	PA/EPDM
1A200MG5114PN	DN12/14	G1/4"	PP-NATUR
1A200MG5114PP	DN12/14	G1/4"	PP
1A200MG5114PPFP	DN12/14	G1/4"	PP/FPM
1A200MG5114PV	DN12/14	G1/4"	PVDF
1A200MG5114PVFP	DN12/14	G1/4"	PVDF/FPM
1A200MG5118PAEP	DN12/14	G1/8"	PA/EPDM
1A200MG5118PP	DN12/14	G1/8"	PP
1A200MG5118PPFP	DN12/14	G1/8"	PP/FPM
1A200MG5118PV	DN12/14	G1/8"	PVDF
1A200MG5118PVFP	DN12/14	G1/8"	PVDF/FPM
1A200MG5134PP	DN12/14	G3/4"	PP
1A200MG5138PAEP	DN12/14	G3/8"	PA/EPDM
1A200MG5138PP	DN12/14	G3/8"	PP
1A200MG5138PPFP	DN12/14	G3/8"	PP/FPM
1A200MG5138PV	DN12/14	G3/8"	PVDF

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**Elbow connector for flexible tube (Series 1A)  
with male G-thread**

**1**

Article-Nr	Connection A	Connection B	Material
1A200MG5138PVFP	DN12/14	G3/8"	PVDF/FPM
1A200MG5212PP	DN12/16	G1/2"	PP
1A200MG5212PV	DN12/16	G1/2"	PVDF
1A200MG5214PP	DN12/16	G1/4"	PP
1A200MG5214PV	DN12/16	G1/4"	PVDF
1A200MG5234PP	DN12/16	G3/4"	PP
1A200MG5238PP	DN12/16	G3/8"	PP
1A200MG5238PV	DN12/16	G3/8"	PVDF
1A200MG5312PN	DN14/16	G1/2"	PP-NATUR
1A200MG5312PP	DN14/16	G1/2"	PP
1A200MG5312PV	DN14/16	G1/2"	PVDF
1A200MG5314PP	DN14/16	G1/4"	PP
1A200MG5314PV	DN14/16	G1/4"	PVDF
1A200MG5334PV	DN14/16	G3/4"	PVDF
1A200MG5338PP	DN14/16	G3/8"	PP
1A200MG5338PV	DN14/16	G3/8"	PVDF
1A200MG5412PP	DN14/18	G1/2"	PP
1A200MG5412PV	DN14/18	G1/2"	PVDF
1A200MG5414PP	DN14/18	G1/4"	PP
1A200MG5438PV	DN14/18	G3/8"	PVDF
1A200MG5512PP	DN16/18	G1/2"	PP
1A200MG5512PV	DN16/18	G1/2"	PVDF
1A200MG5534PP	DN16/18	G3/4"	PP
1A200MG5538PV	DN16/18	G3/8"	PVDF
1A200MG5612PN	DN16/20	G1/2"	PP-NATUR
1A200MG5612PP	DN16/20	G1/2"	PP
1A200MG5612PV	DN16/20	G1/2"	PVDF
1A200MG5634PP	DN16/20	G3/4"	PP
1A200MG5638PP	DN16/20	G3/8"	PP
1A200MG5638PV	DN16/20	G3/8"	PVDF
1A200MG5712PP	DN18/20	G1/2"	PP
1A200MG5712PV	DN18/20	G1/2"	PVDF
1A200MG5734PP	DN18/20	G3/4"	PP
1A200MG5734PV	DN18/20	G3/4"	PVDF

**Dimensions 1A200MG . . . , 1C200MG . . .**

A(DN)		B(G)	l2	L16	~L17*	ØD4	
4/6		1/6"/1/4"	1/8"	8	12	25	13
4/6		1/6"/1/4"	1/4"	12	13	26	15
4/6		1/6"/1/4"	3/8"	12	19	29	20
4/6		1/6"/1/4"	1/2"	14	15	32	25
5/8	6/8		1/8"	8	15	30	15
5/8	6/8		1/4"	12	15	30	15
5/8	6/8		3/8"	12	15	33	20
5/8	6/8		1/2"	14	15	36	25
6/9			1/8"	8			
6/9			1/4"	12			
6/9			3/8"	12			
6/9			1/2"	14			
6/10	8/10		1/8"	8	17	36	20
6/10	8/10	1/4"/3/8"					
6/10	8/10	1/4"/3/8"	1/4"	12	17	36	20
6/10	8/10	1/4"/3/8"	3/8"	12	17	36	20
6/10	8/10	1/4"/3/8"	1/2"	14	17	39	25
8/12	9/12	10/12	1/4"	12	19	40	20
		3/8"/1/2"					

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**Elbow connector for flexible tube (Series 1A)  
with male G-thread**

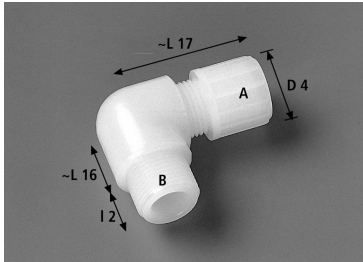
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		A(DN)		B(G)	l2	L16	~L17*	ØD4
8/12	9/12	10/12	3/8"/1/2"	3/8"	12	19	40	20
8/12	9/12	10/12	3/8"/1/2"	1/2"	14	19	43	25
8/12	9/12	10/12	3/8"/1/2"	3/4"	16	19	45	30
10/14	12/14			1/4"	12	21	48	25
10/14	12/14			3/8"	12	21	48	25
10/14	12/14			1/2"	14	21	48	25
10/14	12/14			3/4"	16	21	50	30
12/16	14/16			3/8"	12	23	50	25
12/16	14/16			1/2"	14	23	50	25
12/16	14/16			3/4"	16	23	52	30
14/18	16/18			1/2"	14	25	55	30
14/18	16/18			3/4"	16	25	55	30
			5/8"/3/4"	1/4"	12	25	57	30
			5/8"/3/4"	3/8"	12	25	57	30
16/20	18/20		5/8"/3/4"	1/2"	14	25	57	30
16/20	18/20		5/8"/3/4"	3/4"	16	25	57	30

\* for connections in inch add 2 mm per side

## Elbow connector for flexible tube (Series 1A) with male M-thread

# 1



Article-Nr	Connection A	Connection B	Material
1A200MM4005PP	DN04/06	M5	PP
1A200MM4005PV	DN04/06	M5	PVDF
1A200MM4006PP	DN04/06	M6	PP
1A200MM4006PV	DN04/06	M6	PVDF
1A200MM4008PP	DN04/06	M8	PP
1A200MM4008PV	DN04/06	M8	PVDF
1A200MM4011PP	DN04/06	M10x1	PP
1A200MM4011PPFP	DN04/06	M10x1	PP/FPM
1A200MM4011PV	DN04/06	M10x1	PVDF
1A200MM4012PP	DN04/06	M10x1,5	PP
1A200MM4012PV	DN04/06	M10x1,5	PVDF
1A200MM4014PP	DN04/06	M12x1	PP
1A200MM4014PV	DN04/06	M12x1	PVDF
1A200MM4015PP	DN04/06	M12x1,5	PP
1A200MM4015PV	DN04/06	M12x1,5	PVDF
1A200MM4017PP	DN04/06	M14x1,5	PP
1A200MM4017PV	DN04/06	M14x1,5	PVDF
1A200MM4019PP	DN04/06	M16x1,5	PP
1A200MM4019PV	DN04/06	M16x1,5	PVDF
1A200MM4019PVFP	DN04/06	M16x1,5	PVDF/FPM
1A200MM4021PP	DN04/06	M18x1,5	PP
1A200MM4021PV	DN04/06	M18x1,5	PVDF
1A200MM4074PP	DN04/06	M10x1,25	PP
1A200MM4211PP	DN05/08	M10x1	PP
1A200MM4311PP	DN06/08	M10x1	PP
1A200MM4311PV	DN06/08	M10x1	PVDF
1A200MM4312PP	DN06/08	M10x1,5	PP
1A200MM4312PV	DN06/08	M10x1,5	PVDF
1A200MM4315PP	DN06/08	M12x1,5	PP
1A200MM4315PV	DN06/08	M12x1,5	PVDF
1A200MM4317PP	DN06/08	M14x1,5	PP
1A200MM4317PV	DN06/08	M14x1,5	PVDF
1A200MM4319PP	DN06/08	M16x1,5	PP
1A200MM4319PV	DN06/08	M16x1,5	PVDF
1A200MM4321PP	DN06/08	M18x1,5	PP
1A200MM4321PV	DN06/08	M18x1,5	PVDF
1A200MM4411PP	DN06/10	M10x1	PP
1A200MM4412PP	DN06/10	M10x1,5	PP
1A200MM4412PV	DN06/10	M10x1,5	PVDF
1A200MM4415PP	DN06/10	M12x1,5	PP
1A200MM4415PV	DN06/10	M12x1,5	PVDF
1A200MM4417PP	DN06/10	M14x1,5	PP
1A200MM4417PV	DN06/10	M14x1,5	PVDF
1A200MM4419PP	DN06/10	M16x1,5	PP
1A200MM4419PV	DN06/10	M16x1,5	PVDF
1A200MM4421PP	DN06/10	M18x1,5	PP
1A200MM4421PV	DN06/10	M18x1,5	PVDF
1A200MM4512PP	DN08/10	M10x1,5	PP
1A200MM4512PV	DN08/10	M10x1,5	PVDF
1A200MM4515PP	DN08/10	M12x1,5	PP
1A200MM4515PV	DN08/10	M12x1,5	PVDF
1A200MM4517PP	DN08/10	M14x1,5	PP
1A200MM4517PV	DN08/10	M14x1,5	PVDF
1A200MM4519PP	DN08/10	M16x1,5	PP
1A200MM4519PV	DN08/10	M16x1,5	PVDF
1A200MM4521PP	DN08/10	M18x1,5	PP
1A200MM4521PV	DN08/10	M18x1,5	PVDF
1A200MM4614PP	DN08/12	M12x1	PP
1A200MM4614PV	DN08/12	M12x1	PVDF
1A200MM4615PP	DN08/12	M12x1,5	PP
1A200MM4615PV	DN08/12	M12x1,5	PVDF
1A200MM4617PP	DN08/12	M14x1,5	PP

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**Elbow connector for flexible tube (Series 1A)  
with male M-thread**

**1**

Article-Nr	Connection A	Connection B	Material
1A200MM4617PV	DN08/12	M14x1,5	PVDF
1A200MM4619PP	DN08/12	M16x1,5	PP
1A200MM4619PV	DN08/12	M16x1,5	PVDF
1A200MM4621PP	DN08/12	M18x1,5	PP
1A200MM4621PV	DN08/12	M18x1,5	PVDF
1A200MM4812PP	DN10/12	M10x1,5	PP
1A200MM4812PV	DN10/12	M10x1,5	PVDF
1A200MM4815PP	DN10/12	M12x1,5	PP
1A200MM4815PV	DN10/12	M12x1,5	PVDF
1A200MM4817PP	DN10/12	M14x1,5	PP
1A200MM4817PV	DN10/12	M14x1,5	PVDF
1A200MM4819PP	DN10/12	M16x1,5	PP
1A200MM4819PV	DN10/12	M16x1,5	PVDF
1A200MM4821PP	DN10/12	M18x1,5	PP
1A200MM4821PV	DN10/12	M18x1,5	PVDF
1A200MM4915PP	DN10/14	M12x1,5	PP
1A200MM4915PV	DN10/14	M12x1,5	PVDF
1A200MM4917PP	DN10/14	M14x1,5	PP
1A200MM4917PV	DN10/14	M14x1,5	PVDF
1A200MM4919PP	DN10/14	M16x1,5	PP
1A200MM4919PV	DN10/14	M16x1,5	PVDF
1A200MM4921PP	DN10/14	M18x1,5	PP
1A200MM4921PV	DN10/14	M18x1,5	PVDF
1A200MM5115PP	DN12/14	M12x1,5	PP
1A200MM5115PV	DN12/14	M12x1,5	PVDF
1A200MM5117PP	DN12/14	M14x1,5	PP
1A200MM5117PV	DN12/14	M14x1,5	PVDF
1A200MM5119PP	DN12/14	M16x1,5	PP
1A200MM5119PV	DN12/14	M16x1,5	PVDF
1A200MM5121PP	DN12/14	M18x1,5	PP
1A200MM5121PV	DN12/14	M18x1,5	PVDF

**Dimensions 1A200MM ... , 1C200MM ...**

	A(DN)	B(M)	l2	L16	~L17	ØD4	
4/6		5	6	12	25	13	
4/6		6	6	12	25	13	
4/6		10x1	8	12	25	13	
4/6		10x1,5	8	12	25	13	
4/6		12x1,5	12	13	26	15	
4/6		14x1,5	12	13	26	15	
4/6		16x1,5	12	15	29	20	
4/6		18x1,5	12	15	29	20	
5/8	6/8	10x1	8	15	30	15	
5/8	6/8	10x1,5	8	15	30	15	
5/8	6/8	12x1,5	12	15	30	15	
5/8	6/8	14x1,5	12	15	30	15	
5/8	6/8	16x1,5	12	15	33	20	
5/8	6/8	18x1,5	12	15	33	20	
6/9		10x1	8				
6/9		10x1,5	8				
6/9		12x1,5	12				
6/9		14x1,5	12				
6/9		16x1,5	12				
6/9		18x1,5	12				
6/10	8/10	10x1	8	17	36	20	
6/10	8/10	10x1,5	8	17	36	20	
6/10	8/10	12x1,5	12	17	36	20	
6/10	8/10	14x1,5	12	17	36	20	
6/10	8/10	16x1,5	12	17	36	20	
6/10	8/10	18x1,5	12	17	36	20	
8/12	9/12	10/12	12x1,5	12	19	40	20

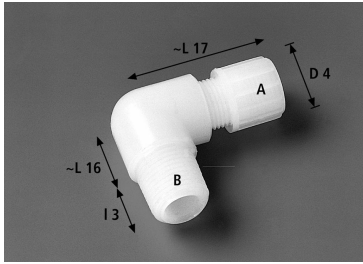
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**Elbow connector for flexible tube (Series 1A)  
with male M-thread**

**1**

	A(DN)		B(M)	l2	L16	~L17	ØD4
8/12	9/12	10/12	14x1,5	12	19	40	20
8/12	9/12	10/12	16x1,5	12	19	40	20
8/12	9/12	10/12	18x1,5	12	19	40	20
10/14	12/14		12x1,5	12	21	48	25
10/14	12/14		14x1,5	12	21	48	25
10/14	12/14		16x1,5	12	21	48	25
10/14	12/14		18x1,5	12	21	48	25
12/16	14/16		12x1,5	12	23	50	25
12/16	14/16		14x1,5	12	23	50	25
12/16	14/16		16x1,5	12	23	50	25
12/16	14/16		18x1,5	12	23	50	25
14/18	16/18		18x1,5	12	25	55	30
14/18	16/18		20x1,5	14	25	55	30
14/18	16/18		22x1,5	14	25	55	30
14/18	16/18		24x1,5	16	25	55	30
16/20	18/20		20x1,5	14	25	57	30
16/20	18/20		22x1,5	14	25	57	30
16/20	18/20		24x1,5	16	25	57	30

Elbow connector for flexible tube (Series 1A)  
with male NPT-thread



Article-Nr	Connection A	Connection B	Material
1A200MN0314PP	DN1/8"/1/4"	NPT1/4"	PP
1A200MN0314PV	DN1/8"/1/4"	NPT1/4"	PVDF
1A200MN0514PP	DN1/6"/1/4"	NPT1/4"	PP
1A200MN0514PV	DN1/6"/1/4"	NPT1/4"	PVDF
1A200MN0518PP	DN1/6"/1/4"	NPT1/8"	PP
1A200MN0518PV	DN1/6"/1/4"	NPT1/8"	PVDF
1A200MN0614PV	DN3/16"/1/4"	NPT1/4"	PVDF
1A200MN0618PV	DN3/16"/1/4"	NPT1/8"	PVDF
1A200MN1112PP	DN1/4"/3/8"	NPT1/2"	PP
1A200MN1112PV	DN1/4"/3/8"	NPT1/2"	PVDF
1A200MN1114PP	DN1/4"/3/8"	NPT1/4"	PP
1A200MN1114PV	DN1/4"/3/8"	NPT1/4"	PVDF
1A200MN1118PP	DN1/4"/3/8"	NPT1/8"	PP
1A200MN1118PV	DN1/4"/3/8"	NPT1/8"	PVDF
1A200MN1138PP	DN1/4"/3/8"	NPT3/8"	PP
1A200MN1512PP	DN3/8"/1/2"	NPT1/2"	PP
1A200MN1512PV	DN3/8"/1/2"	NPT1/2"	PVDF
1A200MN1514PP	DN3/8"/1/2"	NPT1/4"	PP
1A200MN1514PV	DN3/8"/1/2"	NPT1/4"	PVDF
1A200MN1518PP	DN3/8"/1/2"	NPT1/8"	PP
1A200MN1518PV	DN3/8"/1/2"	NPT1/8"	PVDF
1A200MN1538PP	DN3/8"/1/2"	NPT3/8"	PP
1A200MN2012PP	DN5/8"/3/4"	NPT1/2"	PP
1A200MN2034PP	DN5/8"/3/4"	NPT3/4"	PP
1A200MN4012PN	DN04/06	NPT1/2"	PP-NATUR
1A200MN4012PP	DN04/06	NPT1/2"	PP
1A200MN4012PV	DN04/06	NPT1/2"	PVDF
1A200MN4014PN	DN04/06	NPT1/4"	PP-NATUR
1A200MN4014PP	DN04/06	NPT1/4"	PP
1A200MN4014PV	DN04/06	NPT1/4"	PVDF
1A200MN4018PN	DN04/06	NPT1/8"	PP-NATUR
1A200MN4018PP	DN04/06	NPT1/8"	PP
1A200MN4018PV	DN04/06	NPT1/8"	PVDF
1A200MN4038PN	DN04/06	NPT3/8"	PP-NATUR
1A200MN4038PP	DN04/06	NPT3/8"	PP
1A200MN4038PV	DN04/06	NPT3/8"	PVDF
1A200MN4214PV	DN05/08	NPT1/4"	PVDF
1A200MN4218PP	DN05/08	NPT1/8"	PP
1A200MN4218PV	DN05/08	NPT1/8"	PVDF
1A200MN4312PN	DN06/08	NPT1/2"	PP-NATUR
1A200MN4312PP	DN06/08	NPT1/2"	PP
1A200MN4312PV	DN06/08	NPT1/2"	PVDF
1A200MN4314PN	DN06/08	NPT1/4"	PP-NATUR
1A200MN4314PP	DN06/08	NPT1/4"	PP
1A200MN4314PV	DN06/08	NPT1/4"	PVDF
1A200MN4318PN	DN06/08	NPT1/8"	PP-NATUR
1A200MN4318PP	DN06/08	NPT1/8"	PP
1A200MN4318PV	DN06/08	NPT1/8"	PVDF
1A200MN4338PN	DN06/08	NPT3/8"	PP-NATUR
1A200MN4338PP	DN06/08	NPT3/8"	PP
1A200MN4338PV	DN06/08	NPT3/8"	PVDF
1A200MN4412PN	DN06/10	NPT1/2"	PP-NATUR
1A200MN4412PP	DN06/10	NPT1/2"	PP
1A200MN4412PV	DN06/10	NPT1/2"	PVDF
1A200MN4414PP	DN06/10	NPT1/4"	PP
1A200MN4414PV	DN06/10	NPT1/4"	PVDF
1A200MN4418PP	DN06/10	NPT1/8"	PP
1A200MN4418PV	DN06/10	NPT1/8"	PVDF
1A200MN4438PP	DN06/10	NPT3/8"	PP
1A200MN4438PV	DN06/10	NPT3/8"	PVDF
1A200MN4512PN	DN08/10	NPT1/2"	PP-NATUR
1A200MN4512PP	DN08/10	NPT1/2"	PP

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Elbow connector for flexible tube (Series 1A)  
with male NPT-thread

1

Article-Nr	Connection A	Connection B	Material
1A200MN4512PV	DN08/10	NPT1/2"	PVDF
1A200MN4514PN	DN08/10	NPT1/4"	PP-NATUR
1A200MN4514PP	DN08/10	NPT1/4"	PP
1A200MN4514PV	DN08/10	NPT1/4"	PVDF
1A200MN4518PN	DN08/10	NPT1/8"	PP-NATUR
1A200MN4518PP	DN08/10	NPT1/8"	PP
1A200MN4518PV	DN08/10	NPT1/8"	PVDF
1A200MN4538PN	DN08/10	NPT3/8"	PP-NATUR
1A200MN4538PP	DN08/10	NPT3/8"	PP
1A200MN4538PV	DN08/10	NPT3/8"	PVDF
1A200MN4612PP	DN08/12	NPT1/2"	PP
1A200MN4612PV	DN08/12	NPT1/2"	PVDF
1A200MN4614PP	DN08/12	NPT1/4"	PP
1A200MN4614PV	DN08/12	NPT1/4"	PVDF
1A200MN4618PP	DN08/12	NPT1/8"	PP
1A200MN4618PV	DN08/12	NPT1/8"	PVDF
1A200MN4634PV	DN08/12	NPT3/4"	PVDF
1A200MN4638PP	DN08/12	NPT3/8"	PP
1A200MN4638PV	DN08/12	NPT3/8"	PVDF
1A200MN4712PP	DN09/12	NPT1/2"	PP
1A200MN4712PV	DN09/12	NPT1/2"	PVDF
1A200MN4714PV	DN09/12	NPT1/4"	PVDF
1A200MN4738PP	DN09/12	NPT3/8"	PP
1A200MN4738PV	DN09/12	NPT3/8"	PVDF
1A200MN4812PN	DN10/12	NPT1/2"	PP-NATUR
1A200MN4812PP	DN10/12	NPT1/2"	PP
1A200MN4812PV	DN10/12	NPT1/2"	PVDF
1A200MN4814PN	DN10/12	NPT1/4"	PP-NATUR
1A200MN4814PP	DN10/12	NPT1/4"	PP
1A200MN4814PV	DN10/12	NPT1/4"	PVDF
1A200MN4818PN	DN10/12	NPT1/8"	PP-NATUR
1A200MN4818PP	DN10/12	NPT1/8"	PP
1A200MN4818PV	DN10/12	NPT1/8"	PVDF
1A200MN4838PN	DN10/12	NPT3/8"	PP-NATUR
1A200MN4838PP	DN10/12	NPT3/8"	PP
1A200MN4838PV	DN10/12	NPT3/8"	PVDF
1A200MN4912PP	DN10/14	NPT1/2"	PP
1A200MN4912PV	DN10/14	NPT1/2"	PVDF
1A200MN4914PP	DN10/14	NPT1/4"	PP
1A200MN4914PV	DN10/14	NPT1/4"	PVDF
1A200MN4918PP	DN10/14	NPT1/8"	PP
1A200MN4918PV	DN10/14	NPT1/8"	PVDF
1A200MN4938PP	DN10/14	NPT3/8"	PP
1A200MN4938PV	DN10/14	NPT3/8"	PVDF
1A200MN5112PP	DN12/14	NPT1/2"	PP
1A200MN5112PV	DN12/14	NPT1/2"	PVDF
1A200MN5114PN	DN12/14	NPT1/4"	PP-NATUR
1A200MN5114PP	DN12/14	NPT1/4"	PP
1A200MN5114PV	DN12/14	NPT1/4"	PVDF
1A200MN5118PN	DN12/14	NPT1/8"	PP-NATUR
1A200MN5118PP	DN12/14	NPT1/8"	PP
1A200MN5118PV	DN12/14	NPT1/8"	PVDF
1A200MN5138PN	DN12/14	NPT3/8"	PP-NATUR
1A200MN5138PP	DN12/14	NPT3/8"	PP
1A200MN5138PV	DN12/14	NPT3/8"	PVDF
1A200MN5212PP	DN12/16	NPT1/2"	PP
1A200MN5212PV	DN12/16	NPT1/2"	PVDF
1A200MN5214PP	DN12/16	NPT1/4"	PP
1A200MN5214PV	DN12/16	NPT1/4"	PVDF
1A200MN5238PP	DN12/16	NPT3/8"	PP
1A200MN5238PV	DN12/16	NPT3/8"	PVDF
1A200MN5312PP	DN14/16	NPT1/2"	PP

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**Elbow connector for flexible tube (Series 1A)  
with male NPT-thread**

# 1

Article-Nr	Connection A	Connection B	Material
1A200MN5312PV	DN14/16	NPT1/2"	PVDF
1A200MN5314PV	DN14/16	NPT1/4"	PVDF
1A200MN5334PP	DN14/16	NPT3/4"	PP
1A200MN5338PP	DN14/16	NPT3/8"	PP
1A200MN5338PV	DN14/16	NPT3/8"	PVDF
1A200MN5412PV	DN14/18	NPT1/2"	PVDF
1A200MN5438PV	DN14/18	NPT3/8"	PVDF
1A200MN5512PP	DN16/18	NPT1/2"	PP
1A200MN5512PV	DN16/18	NPT1/2"	PVDF
1A200MN5538PV	DN16/18	NPT3/8"	PVDF
1A200MN5612PP	DN16/20	NPT1/2"	PP
1A200MN5612PV	DN16/20	NPT1/2"	PVDF
1A200MN5634PP	DN16/20	NPT3/4"	PP
1A200MN5638PV	DN16/20	NPT3/8"	PVDF
1A200MN5712PP	DN18/20	NPT1/2"	PP
1A200MN5712PV	DN18/20	NPT1/2"	PVDF
1A200MN5738PV	DN18/20	NPT3/8"	PVDF

**Dimensions 1A200MN. . . , 1C200MN. . .**

A(DN)		B(NPT)	l3	L16	~L17*	ØD4
4/6		1/8"	10	12	25	13
		1/6"/1/4"				
4/6		1/4"	15	13	26	15
		1/6"/1/4"				
4/6		3/8"	15.3	15	29	20
		1/6"/1/4"				
4/6		1/2"	20	15	32	25
		1/6"/1/4"				
5/8	6/8	1/8"	10	15	30	15
5/8	6/8	1/4"	15	15	30	15
5/8	6/8	3/8"	15.3	15	33	20
5/8	6/8	1/2"	20	15	36	25
6/9		1/8"	10			
6/9		1/4"	15			
6/9		3/8"	15.3			
6/9		1/2"	20			
6/10	8/10	1/8"	10	17	36	20
		1/4"/3/8"				
6/10	8/10	1/4"	15	17	36	20
		1/4"/3/8"				
6/10	8/10	3/8"	15.3	17	36	20
		1/4"/3/8"				
6/10	8/10	1/2"	20	17	39	25
		1/4"/3/8"				
8/12	9/12 10/12	1/4"	15	19	40	20
		3/8"/1/2"				
8/12	9/12 10/12	3/8"	15.3	19	40	20
		3/8"/1/2"				
8/12	9/12 10/12	1/2"	20	21	40	25
		3/8"/1/2"				
8/12	9/12 10/12	3/4"	20	25	43	30
		3/8"/1/2"				
10/14	12/14	1/4"	15	21	48	25
10/14	12/14	3/8"	15.3	21	48	25
10/14	12/14	1/2"	20	21	48	25
10/14	12/14	3/4"	20	25	50	30
12/16	14/16	3/8"	15.3	23	50	25
12/16	14/16	1/2"	20	23	50	25
12/16	14/16	3/4"	20	25	52	30
14/18	16/18	1/2"	20	25	55	30
14/18	16/18	3/4"	20	25	55	30
		1/4"	15	25	57	30
		5/8"/3/4"				
		3/8"	15.3	25	57	30
		5/8"/3/4"				

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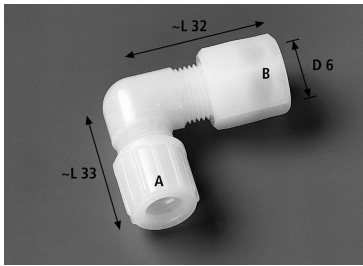
**Elbow connector for flexible tube (Series 1A)  
with male NPT-thread**

**1**

	A(DN)		B(NPT)	I3	L16	~L17*	ØD4
16/20	18/20		1/2"	20	25	57	30
		5/8"/3/4"					
16/20	18/20		3/4"	20	25	57	30
		5/8"/3/4"					

\* for connections in inch add 2 mm per side

# Elbow union for flexible tube (Series 1A) with connection for pipe (Series 2N)



Article-Nr	Connection A	Connection B	Material
1A200P0305PV	DN1/8"/1/4"	D1/4"	PVDF
1A200P1140PV	DN1/4"/3/8"	D06	PVDF
1A200P4005PP	DN04/06	D1/4"	PP
1A200P4005PV	DN04/06	D1/4"	PVDF
1A200P4038PP	DN04/06	D04	PP
1A200P4038PV	DN04/06	D04	PVDF
1A200P4043PP	DN04/06	D08	PP
1A200P4043PV	DN04/06	D08	PVDF
1A200P4045PP	DN04/06	D10	PP
1A200P4045PV	DN04/06	D10	PVDF
1A200P4048PP	DN04/06	D12	PP
1A200P4048PV	DN04/06	D12	PVDF
1A200P40PN	DN04/06	D06	PP-NATUR
1A200P40PP	DN04/06	D06	PP
1A200P40PV	DN04/06	D06	PVDF
1A200P4338PP	DN06/08	D04	PP
1A200P4338PV	DN06/08	D04	PVDF
1A200P4340PP	DN06/08	D06	PP
1A200P4340PV	DN06/08	D06	PVDF
1A200P4345PP	DN06/08	D10	PP
1A200P4345PV	DN06/08	D10	PVDF
1A200P4348PP	DN06/08	D12	PP
1A200P43PN	DN06/08	D08	PP-NATUR
1A200P43PP	DN06/08	D08	PP
1A200P43PV	DN06/08	D08	PVDF
1A200P4443PV	DN06/10	D08	PVDF
1A200P4511PP	DN08/10	D3/8"	PP
1A200P4540PV	DN08/10	D06	PVDF
1A200P4543PV	DN08/10	D08	PVDF
1A200P4548PP	DN08/10	D12	PP
1A200P4548PV	DN08/10	D12	PVDF
1A200P45PN	DN08/10	D10	PP-NATUR
1A200P45PP	DN08/10	D10	PP
1A200P45PV	DN08/10	D10	PVDF
1A200P4648PV	DN08/12	D12	PVDF
1A200P4745PV	DN09/12	D10	PVDF
1A200P4748PV	DN09/12	D12	PVDF
1A200P4843PV	DN10/12	D08	PVDF
1A200P4845PV	DN10/12	D10	PVDF
1A200P4853PP	DN10/12	D16	PP
1A200P4853PV	DN10/12	D16	PVDF
1A200P48PN	DN10/12	D12	PP-NATUR
1A200P48PP	DN10/12	D12	PP
1A200P48PV	DN10/12	D12	PVDF
1A200P49PV	DN10/14	DN10/14	PVDF
1A200P5145PP	DN12/14	D10	PP
1A200P5151PV	DN12/14	D14	PVDF
1A200P5215PP	DN12/16	D1/2"	PP

### Dimensions 1A200P... , 1C200P...

A(DN)			B(D)		~L32	~L33*	ØD6	
4/6			1/6"- 1/4"	6	1/4"	39	26	15
5/8	6/8			8		40	30	15
6/9								
6/10	8/10		1/4"- 3/8"	10	3/8"	45	36	20
8/12	9/12	10/12	3/8"- 1/2"	12	1/2"	49	43	20
10/14	12/14			14				
12/16	14/16			16				

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## Elbow union for flexible tube (Series 1A) with connection for pipe (Series 2N)

# 1

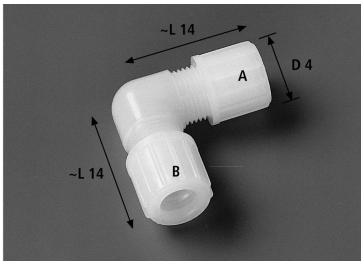
	A(DN)		B(D)		~L32	~L33*	ØD6
14/18	16/18		18	3/4"	59	55	30
16/20	18/20	5/8"- 3/4"	20				

\* for connections in inch add 2 mm per side



## Elbow union for flexible tube on both ends (Series 1A)

# 1



Article-Nr	Connection A	Connection B	Material
1A200T03PP	DN1/8"/1/4"	DN1/8"/1/4"	PP
1A200T03PV	DN1/8"/1/4"	DN1/8"/1/4"	PVDF
1A200T05PP	DN1/6"/1/4"	DN1/6"/1/4"	PP
1A200T05PV	DN1/6"/1/4"	DN1/6"/1/4"	PVDF
1A200T11PP	DN1/4"/3/8"	DN1/4"/3/8"	PP
1A200T11PV	DN1/4"/3/8"	DN1/4"/3/8"	PVDF
1A200T15PP	DN3/8"/1/2"	DN3/8"/1/2"	PP
1A200T15PV	DN3/8"/1/2"	DN3/8"/1/2"	PVDF
1A200T20PP	DN5/8"/3/4"	DN5/8"/3/4"	PP
1A200T20PV	DN5/8"/3/4"	DN5/8"/3/4"	PVDF
1A200T4003PP	DN04/06	DN1/8"/1/4"	PP
1A200T4005PP	DN04/06	DN1/6"/1/4"	PP
1A200T4005PV	DN04/06	DN1/6"/1/4"	PVDF
1A200T40PN	DN04/06	DN04/06	PP-NATUR
1A200T40PP	DN04/06	DN04/06	PP
1A200T40PV	DN04/06	DN04/06	PVDF
1A200T42PP	DN05/08	DN05/08	PP
1A200T42PV	DN05/08	DN05/08	PVDF
1A200T4311PV	DN06/08	DN1/4"/3/8"	PVDF
1A200T4340PN	DN06/08	DN04/06	PP-NATUR
1A200T4340PP	DN06/08	DN04/06	PP
1A200T4340PV	DN06/08	DN04/06	PVDF
1A200T43PN	DN06/08	DN06/08	PP-NATUR
1A200T43PP	DN06/08	DN06/08	PP
1A200T43PV	DN06/08	DN06/08	PVDF
1A200T4440PP	DN06/10	DN04/06	PP
1A200T4440PV	DN06/10	DN04/06	PVDF
1A200T4443PP	DN06/10	DN06/08	PP
1A200T44PP	DN06/10	DN06/10	PP
1A200T44PV	DN06/10	DN06/10	PVDF
1A200T4540PP	DN08/10	DN04/06	PP
1A200T4540PV	DN08/10	DN04/06	PVDF
1A200T4543PP	DN08/10	DN06/08	PP
1A200T4543PV	DN08/10	DN06/08	PVDF
1A200T45PN	DN08/10	DN08/10	PP-NATUR
1A200T45PP	DN08/10	DN08/10	PP
1A200T45PV	DN08/10	DN08/10	PVDF
1A200T4640PP	DN08/12	DN04/06	PP
1A200T4640PV	DN08/12	DN04/06	PVDF
1A200T4643PP	DN08/12	DN06/08	PP
1A200T4643PV	DN08/12	DN06/08	PVDF
1A200T46PP	DN08/12	DN08/12	PP
1A200T46PV	DN08/12	DN08/12	PVDF
1A200T4743PV	DN09/12	DN06/08	PVDF
1A200T47PN	DN09/12	DN09/12	PP-NATUR
1A200T47PP	DN09/12	DN09/12	PP
1A200T47PV	DN09/12	DN09/12	PVDF
1A200T4840PP	DN10/12	DN04/06	PP
1A200T4840PV	DN10/12	DN04/06	PVDF
1A200T4843PP	DN10/12	DN06/08	PP
1A200T4843PV	DN10/12	DN06/08	PVDF
1A200T4845PP	DN10/12	DN08/10	PP
1A200T4845PV	DN10/12	DN08/10	PVDF
1A200T48PN	DN10/12	DN10/12	PP-NATUR
1A200T48PP	DN10/12	DN10/12	PP
1A200T48PV	DN10/12	DN10/12	PVDF
1A200T48PVEL	DN10/12	DN10/12	PVDF LEITFÄHIG
1A200T4940PV	DN10/14	DN04/06	PVDF
1A200T4948PV	DN10/14	DN10/12	PVDF
1A200T49PP	DN10/14	DN10/14	PP
1A200T49PV	DN10/14	DN10/14	PVDF

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**Elbow union for flexible tube on both ends  
(Series 1A)**

**1**

Article-Nr	Connection A	Connection B	Material
1A200T5140PV	DN12/14	DN04/06	PVDF
1A200T5148PP	DN12/14	DN10/12	PP
1A200T51PN	DN12/14	DN12/14	PP-NATUR
1A200T51PP	DN12/14	DN12/14	PP
1A200T51PV	DN12/14	DN12/14	PVDF
1A200T5240PP	DN12/16	DN04/06	PP
1A200T5240PV	DN12/16	DN04/06	PVDF
1A200T5248PP	DN12/16	DN10/12	PP
1A200T5248PV	DN12/16	DN10/12	PVDF
1A200T52PP	DN12/16	DN12/16	PP
1A200T52PV	DN12/16	DN12/16	PVDF
1A200T5340PV	DN14/16	DN04/06	PVDF
1A200T5343PP	DN14/16	DN06/08	PP
1A200T53PP	DN14/16	DN14/16	PP
1A200T53PV	DN14/16	DN14/16	PVDF
1A200T54PP	DN14/18	DN14/18	PP
1A200T54PV	DN14/18	DN14/18	PVDF
1A200T55PP	DN16/18	DN16/18	PP
1A200T55PV	DN16/18	DN16/18	PVDF
1A200T5649PV	DN16/20	DN10/14	PVDF
1A200T56PP	DN16/20	DN16/20	PP
1A200T56PV	DN16/20	DN16/20	PVDF
1A200T57PP	DN18/20	DN18/20	PP
1A200T57PV	DN18/20	DN18/20	PVDF

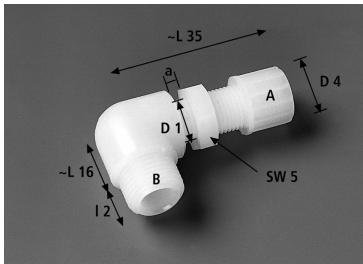
**Dimensions 1A200T... , 1C200T...**

	A-B(DN)		~L14*	ØD4
4/6		1/6"-1/4"	25	13
5/8**	6/8		30	15
6/9				
6/10	8/10	1/4"-3/8"	36	20
8/12	9/12	10/12	43	20
10/14	12/14		48	25
12/16	14/16		50	25
14/18	16/18		55	30
16/20	18/20	5/8"-3/4"	57	30

\* for connections in inch add 2 mm per side

# Elbow bulkhead connector for flexible tube (Series 1A) with male G-thread

# 1



Article-Nr	Connection A	Connection B	Material
1A201MG4014PP	DN04/06	G1/4"	PP
1A201MG4014PV	DN04/06	G1/4"	PVDF
1A201MG4018PP	DN04/06	G1/8"	PP
1A201MG4018PV	DN04/06	G1/8"	PVDF
1A201MG4214PP	DN05/08	G1/4"	PP
1A201MG4314PP	DN06/08	G1/4"	PP
1A201MG4318PP	DN06/08	G1/8"	PP
1A201MG4414PP	DN06/10	G1/4"	PP
1A201MG4512PP	DN08/10	G1/2"	PP
1A201MG4512PV	DN08/10	G1/2"	PVDF
1A201MG4514PP	DN08/10	G1/4"	PP
1A201MG4538PV	DN08/10	G3/8"	PVDF
1A201MG4812PV	DN10/12	G1/2"	PVDF
1A201MG4814PN	DN10/12	G1/4"	PP-NATUR
1A201MG5112PP	DN12/14	G1/2"	PP
1A201MG5138PP	DN12/14	G3/8"	PP

### Dimensions 1A201MG . . . , 1C201MG . . .

A(DN)		B(G)	I2	L16	~L35*	SW5	ØD1	ØD4	a
4/6		1/8"	8	12	43	14	10.5	13	9
		1/6"/1/4"							
4/6		1/4"	12	13	43	14	10.5	15	9
		1/6"/1/2"							
4/6		3/8"	12	15	43	14	10.5	20	9
		1/6"/1/4"							
4/6		1/2"	14	15	46	14	10.5	25	9
		1/6"/1/2"							
5/8	6/8	1/8"	8	15	53	19	14.5	20	9
5/8	6/8	1/4"	12	15	53	19	14.5	20	9
5/8	6/8	3/8"	12	15	53	19	14.5	20	9
5/8	6/8	1/2"	14	15	53	19	14.5	25	9
6/9		1/8"	8				16.5		
6/9		1/4"	12				16.5		
6/9		3/8"	12				16.5		
6/9		1/2"	14				16.5		
6/10	8/10	1/8"	8	17	58	22	16.5	20	10
		1/4"/3/8"							
6/10	8/10	1/4"	12	17	58	22	16.5	20	10
		1/4"/3/2"							
6/10	8/10	3/8"	12	17	58	22	16.5	20	10
		1/4"/3/8"							
6/10	8/10	1/2"	14	17	58	22	16.5	25	10
		1/4"/3/2"							
8/12	9/12	1/4"	12	19	67	24	18.5	25	12
	10/12	3/8"/1/2"							
8/12	9/12	3/8"	12	19	67	24	18.5	25	12
	10/12	3/8"/1/2"							
8/12	9/12	1/2"	14	19	67	24	18.5	25	12
	10/12	3/8"/1/2"							
8/12	9/12	3/4"	16	19	67	24	18.5	30	12
	10/12	3/8"/1/2"							
10/14		1/4"	12	21	73	27	20.5	25	14
	12/14								
10/14		3/8"	12	21	73	27	20.5	25	14
	12/14								
10/14		1/2"	14	21	73	27	20.5	25	14
	12/14								
10/14		3/4"	16	21	75	27	20.5	30	14
	12/14								
12/16		3/8"	12	23	78	27	22.5	25	16
	14/16								
12/16		1/2"	14	23	78	27	22.5	25	16
	14/16								
12/16		3/4"	16	23	80	27	22.5	30	16
	14/16								

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**Elbow bulkhead connector for flexible tube  
(Series 1A) with male G-thread**

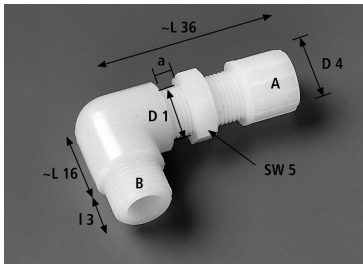
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A(DN)		B(G)	I2	L16	~L35*	SW5	ØD1	ØD4	a
14/18		1/2"	14	25	83	30	24.5	30	16
	16/18								
14/18		3/4"	16	25	83	30	24.5	30	16
	16/18								
		1/4"	12	25	87	32	26.5	30	18
		5/8"/3/4"							
		3/8"	12	25	87	32	26.5	30	18
		5/8"/3/4"							
16/20		1/2"	14	25	87	32	26.5	30	18
	18/20	5/8"/3/4"							
16/20		3/4"	16	25	87	32	26.5	30	18
	18/20	5/8"/3/4"							

\* for connections in inch add 2 mm per side

# Elbow bulkhead connector for flexible tube (Series 1A) with male NPT-thread

# 1



Article-Nr	Connection A	Connection B	Material
1A201MN4014PP	DN04/06	NPT1/4"	PP
1A201MN4314PP	DN06/08	NPT1/4"	PP
1A201MN4414PP	DN06/10	NPT1/4"	PP
1A201MN4514PP	DN08/10	NPT1/4"	PP
1A201MN4938PP	DN10/14	NPT3/8"	PP

## Dimensions 1A201MN... , 1C201MN...

A(DN)		B(NPT)	I3	L16	~L36*	SW5	ØD1	ØD4	a
4/6		1/8"	10	12	43	14	10.5	13	9
		1/6"/1/4"							
4/6		1/4"	15	13	43	14	10.5	15	9
		1/6"/1/4"							
4/6		3/8"	15.3	15	43	14	10.5	20	9
		1/6"/1/4"							
4/6		1/2"	20	15	46	14	10.5	25	9
		1/6"/1/4"							
5/8	6/8	1/8"	10	15	53	19	14.5	20	9
5/8	6/8	1/4"	15	15	53	19	14.5	20	9
5/8	6/8	3/8"	15.3	15	53	19	14.5	20	9
5/8	6/8	1/2"	20	15	53	19	14.5	25	9
6/9		1/8"	10				16.5		
6/9		1/4"	15				16.5		
6/9		3/8"	15.3				16.5		
6/9		1/2"	20				16.5		
6/10	8/10	1/8"	10	17	58	22	16.5	20	10
		1/4"/3/8"							
6/10	8/10	1/4"	15	17	58	22	16.5	20	10
		1/4"/3/8"							
6/10	8/10	3/8"	15.3	17	58	22	16.5	20	10
		1/4"/3/8"							
6/10	8/10	1/2"	20	17	58	22	16.5	25	10
		1/4"/3/8"							
8/12	9/12	1/4"	15	19	67	24	18.5	25	12
	10/12	3/8"/1/2"							
8/12	9/12	3/8"	15.3	19	67	24	18.5	25	12
	10/12	3/8"/1/4"							
8/12	9/12	1/2"	20	19	67	24	18.5	25	12
	10/12	3/8"/1/2"							
8/12	9/12	3/4"	20	19	67	24	18.5	30	12
	10/12	3/8"/1/4"							
10/14		1/4"	15	21	73	27	20.5	25	14
	12/14								
10/14		3/8"	15.3	21	73	27	20.5	25	14
	12/14								
10/14		1/2"	20	21	73	27	20.5	25	14
	12/14								
10/14		3/4"	20	25	75	27	20.5	30	14
	12/14								
12/16		3/8"	15.3	23	78	27	22.5	25	16
	14/16								
12/16		1/2"	20	23	78	27	22.5	25	16
	14/16								
12/16		3/4"	20	25	80	27	22.5	30	16
	14/16								
14/18		1/2"	20	25	83	30	24.5	30	16
	16/18								
14/18		3/4"	20	25	83	30	24.5	30	16
	16/18								
		1/4"	15	25	87	32	26.5	30	18
		5/8"/3/4"							
		3/8"	15.3	25	87	32	26.5	30	18
		5/8"/3/4"							
16/20		1/2"	20	25	87	32	26.5	30	18
	18/20	5/8"/3/4"							
16/20		3/4"	20	25	87	32	26.5	30	18
	18/20	5/8"/3/4"							

**Elbow bulkhead connector for flexible tube  
(Series 1A) with male NPT-thread**

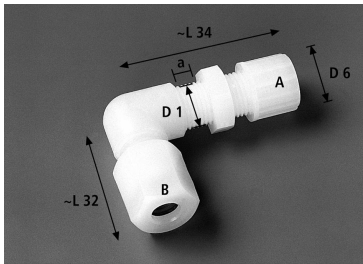
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\* for connections in inch add 2 mm per side

## Elbow bulkhead union for flexible tube (Series 1A) with connection for pipe (Series 2N)

# 1



Article-Nr	Connection A	Connection B	Material
1A201P4038PV	DN04/06	D04	PVDF
1A201P40PP	DN04/06	D06	PP
1A201P40PV	DN04/06	D06	PVDF
1A201P43PP	DN06/08	D08	PP
1A201P43PV	DN06/08	D08	PVDF
1A201P45PP	DN08/10	D10	PP
1A201P48PP	DN10/12	D12	PP
1A201P53PP	DN14/16	D16	PP

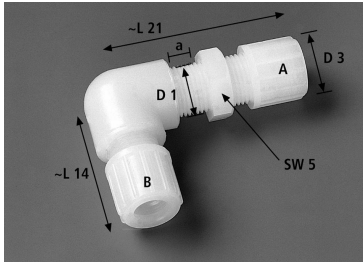
### Dimensions 1A201P... , 1C201P...

		A(DN)	B(D)		~L34*	~L32	ØD1	ØD6	SW5	a
4/6		1/6"- 1/4"	6	1/4"	46	36	10.5	15	14	9
5/8	6/8		8		53	39	14.5	20	19	9
6/9			10				16.5			
6/10	8/10	1/4"- 3/8"	10	3/8"	58	42	16.5	20	22	10
8/12	9/12 10/12	3/8"- 1/2"	12	1/2"	63	45	18.5	20	24	12
10/14	12/14		14		73	48	20.5	25	27	14
12/16	14/16		16		78	48	22.5	25	27	16
14/18	16/18		18		83	56	24.5	30	30	16
16/20	18/20	5/8"- 3/4"	20	3/4"	87	56	26.5	30	32	18

\* for connections in inch add 2 mm per side

## Elbow bulkhead union for flexible tube on both ends (Series 1A)

# 1



Article-Nr	Connection A	Connection B	Material
1A201T03PP	DN1/8"/1/4"	DN1/8"/1/4"	PP
1A201T03PV	DN1/8"/1/4"	DN1/8"/1/4"	PVDF
1A201T05PP	DN1/6"/1/4"	DN1/6"/1/4"	PP
1A201T11PP	DN1/4"/3/8"	DN1/4"/3/8"	PP
1A201T11PV	DN1/4"/3/8"	DN1/4"/3/8"	PVDF
1A201T15PV	DN3/8"/1/2"	DN3/8"/1/2"	PVDF
1A201T20PV	DN5/8"/3/4"	DN5/8"/3/4"	PVDF
1A201T4005PP	DN04/06	DN1/6"/1/4"	PP
1A201T4042PP	DN04/06	DN05/08	PP
1A201T4043PP	DN04/06	DN06/08	PP
1A201T4043PV	DN04/06	DN06/08	PVDF
1A201T4044PP	DN04/06	DN06/10	PP
1A201T4045PP	DN04/06	DN08/10	PP
1A201T4045PV	DN04/06	DN08/10	PVDF
1A201T4048PV	DN04/06	DN10/12	PVDF
1A201T4049PV	DN04/06	DN10/14	PVDF
1A201T40PN	DN04/06	DN04/06	PP-NATUR
1A201T40PP	DN04/06	DN04/06	PP
1A201T40PEL	DN04/06	DN04/06	PP- CONDUCTIVE
1A201T40PV	DN04/06	DN04/06	PVDF
1A201T42PP	DN05/08	DN05/08	PP
1A201T42PV	DN05/08	DN05/08	PVDF
1A201T4303PP	DN06/08	DN1/8"/1/4"	PP
1A201T4311PP	DN06/08	DN1/4"/3/8"	PP
1A201T4340PP	DN06/08	DN04/06	PP
1A201T4340PV	DN06/08	DN04/06	PVDF
1A201T4345PP	DN06/08	DN08/10	PP
1A201T4348PV	DN06/08	DN10/12	PVDF
1A201T4349PP	DN06/08	DN10/14	PP
1A201T43PN	DN06/08	DN06/08	PP-NATUR
1A201T43PP	DN06/08	DN06/08	PP
1A201T43PV	DN06/08	DN06/08	PVDF
1A201T4440PV	DN06/10	DN04/06	PVDF
1A201T4443PP	DN06/10	DN06/08	PP
1A201T44PP	DN06/10	DN06/10	PP
1A201T44PV	DN06/10	DN06/10	PVDF
1A201T4540PP	DN08/10	DN04/06	PP
1A201T4540PV	DN08/10	DN04/06	PVDF
1A201T4543PP	DN08/10	DN06/08	PP
1A201T4543PV	DN08/10	DN06/08	PVDF
1A201T4548PP	DN08/10	DN10/12	PP
1A201T4548PV	DN08/10	DN10/12	PVDF
1A201T4551PP	DN08/10	DN12/14	PP
1A201T4551PV	DN08/10	DN12/14	PVDF
1A201T4552PP	DN08/10	DN12/16	PP
1A201T45PN	DN08/10	DN08/10	PP-NATUR
1A201T45PP	DN08/10	DN08/10	PP
1A201T45PV	DN08/10	DN08/10	PVDF
1A201T4645PP	DN08/12	DN08/10	PP
1A201T46PP	DN08/12	DN08/12	PP
1A201T46PV	DN08/12	DN08/12	PVDF
1A201T4752PP	DN09/12	DN12/16	PP
1A201T47PP	DN09/12	DN09/12	PP
1A201T47PV	DN09/12	DN09/12	PVDF
1A201T4840PP	DN10/12	DN04/06	PP
1A201T4840PV	DN10/12	DN04/06	PVDF
1A201T4843PP	DN10/12	DN06/08	PP
1A201T48PN	DN10/12	DN10/12	PP-NATUR
1A201T48PP	DN10/12	DN10/12	PP
1A201T48PV	DN10/12	DN10/12	PVDF
1A201T49PN	DN10/14	DN10/14	PP-NATUR

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## Elbow bulkhead union for flexible tube on both ends (Series 1A)

# 1

Article-Nr	Connection A	Connection B	Material
1A201T49PP	DN10/14	DN10/14	PP
1A201T49PV	DN10/14	DN10/14	PVDF
1A201T51PP	DN12/14	DN12/14	PP
1A201T51PV	DN12/14	DN12/14	PVDF
1A201T52PP	DN12/16	DN12/16	PP
1A201T52PV	DN12/16	DN12/16	PVDF
1A201T53PV	DN14/16	DN14/16	PVDF
1A201T56PP	DN16/20	DN16/20	PP
1A201T57PV	DN18/20	DN18/20	PVDF

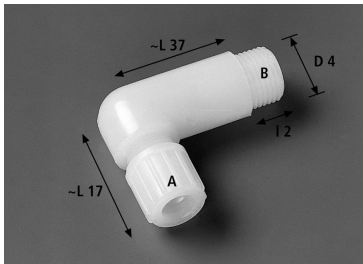
### Dimensions 1A201T... , 1C201T...

A-B(DN)			~L14	~L21	ØD3	ØD1	SW5	a
4/6		1/6"- 1/4"	25	43	13	10.5	14	9
5/8**	6/8		33	53	20	14.5	19	9
6/9						16.5		
6/10	8/10	1/4"- 3/8"	36	58	20	16.5	22	10
8/12	9/12 10/12	3/8"- 1/2"	43	67	20	18.5	24	12
10/14	12/14		48	75	25	20.5	27	14
12/16	14/16		50	80	25	22.5	27	16
14/18	16/18		55		30	24.5	30	16
16/20	18/20	5/8"- 3/4"	57	93	30	26.5	32	18

\* for connections in inch add 2 mm per side

Elbow connector for flexible tube (Series 1A)  
with male G-thread (long model)

1



Article-Nr	Connection A	Connection B	Material
1A210MG0514PP	DN1/6"/1/4"	G1/4"	PP
1A210MG2012PP	DN5/8"/3/4"	G1/2"	PP
1A210MG2012PV	DN5/8"/3/4"	G1/2"	PVDF
1A210MG4012PP	DN04/06	G1/2"	PP
1A210MG4012PV	DN04/06	G1/2"	PVDF
1A210MG4014PP	DN04/06	G1/4"	PP
1A210MG4014PPFP	DN04/06	G1/4"	PP/FPM
1A210MG4014PV	DN04/06	G1/4"	PVDF
1A210MG4018PP	DN04/06	G1/8"	PP
1A210MG4018PPFP	DN04/06	G1/8"	PP/FPM
1A210MG4018PV	DN04/06	G1/8"	PVDF
1A210MG4018PVFP	DN04/06	G1/8"	PVDF/FPM
1A210MG4038PP	DN04/06	G3/8"	PP
1A210MG4038PV	DN04/06	G3/8"	PVDF
1A210MG4312PP	DN06/08	G1/2"	PP
1A210MG4312PV	DN06/08	G1/2"	PVDF
1A210MG4314PP	DN06/08	G1/4"	PP
1A210MG4314PV	DN06/08	G1/4"	PVDF
1A210MG4318PP	DN06/08	G1/8"	PP
1A210MG4318PV	DN06/08	G1/8"	PVDF
1A210MG4338PP	DN06/08	G3/8"	PP
1A210MG4338PV	DN06/08	G3/8"	PVDF
1A210MG4412PP	DN06/10	G1/2"	PP
1A210MG4412PV	DN06/10	G1/2"	PVDF
1A210MG4414PAEP	DN06/10	G1/4"	PA/EPDM
1A210MG4414PP	DN06/10	G1/4"	PP
1A210MG4414PV	DN06/10	G1/4"	PVDF
1A210MG4418PP	DN06/10	G1/8"	PP
1A210MG4418PV	DN06/10	G1/8"	PVDF
1A210MG4438PP	DN06/10	G3/8"	PP
1A210MG4438PV	DN06/10	G3/8"	PVDF
1A210MG4512PP	DN08/10	G1/2"	PP
1A210MG4512PV	DN08/10	G1/2"	PVDF
1A210MG4514PN	DN08/10	G1/4"	PP-NATUR
1A210MG4514PP	DN08/10	G1/4"	PP
1A210MG4514PV	DN08/10	G1/4"	PVDF
1A210MG4518PAEP	DN08/10	G1/8"	PA/EPDM
1A210MG4518PP	DN08/10	G1/8"	PP
1A210MG4518PV	DN08/10	G1/8"	PVDF
1A210MG4538PP	DN08/10	G3/8"	PP
1A210MG4538PV	DN08/10	G3/8"	PVDF
1A210MG4612PP	DN08/12	G1/2"	PP
1A210MG4612PV	DN08/12	G1/2"	PVDF
1A210MG4614PP	DN08/12	G1/4"	PP
1A210MG4614PV	DN08/12	G1/4"	PVDF
1A210MG4712PP	DN09/12	G1/2"	PP
1A210MG4738PP	DN09/12	G3/8"	PP
1A210MG4812PN	DN10/12	G1/2"	PP-NATUR
1A210MG4812PP	DN10/12	G1/2"	PP
1A210MG4812PV	DN10/12	G1/2"	PVDF
1A210MG4814PP	DN10/12	G1/4"	PP
1A210MG4814PV	DN10/12	G1/4"	PVDF
1A210MG4838PP	DN10/12	G3/8"	PP
1A210MG4838PV	DN10/12	G3/8"	PVDF
1A210MG4914PP	DN10/14	G1/4"	PP
1A210MG4914PV	DN10/14	G1/4"	PVDF
1A210MG4938PP	DN10/14	G3/8"	PP
1A210MG4938PV	DN10/14	G3/8"	PVDF
1A210MG5112PP	DN12/14	G1/2"	PP
1A210MG5212PP	DN12/16	G1/2"	PP
1A210MG5212PV	DN12/16	G1/2"	PVDF
1A210MG5312PP	DN14/16	G1/2"	PP

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**Elbow connector for flexible tube (Series 1A)  
with male G-thread (long model)**

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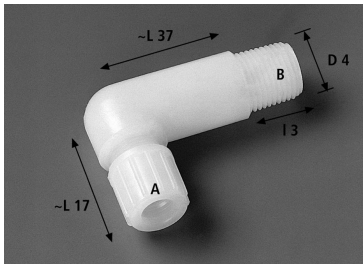
Article-Nr	Connection A	Connection B	Material
1A210MG5712PV	DN18/20	G1/2"	PVDF

**Dimensions 1A210MG. . . , 1C210MG. . .**

A(DN)		B(G)	l2	L37	~L17*	ØD4
4/6		1/8"	10	29	25	13
	1/6"/1/4"					
4/6		1/4"	15	29	26	15
	1/6"/1/4"					
4/6		3/8"	15	34	29	20
	1/6"/1/4"					
4/6		1/2"	16	42	32	25
	1/6"/1/4"					
5/8	6/8	1/8"	10	29	30	15
5/8	6/8	1/4"	15	29	30	15
5/8	6/8	3/8"	15	34	33	20
5/8	6/8	1/2"	16	42	36	25
6/9		1/8"	10			
6/9		1/4"	15			
6/9		3/8"	15			
6/9		1/2"	16			
6/10	8/10	1/8"	10	37	36	20
	1/4"/3/8"					
6/10	8/10	1/4"	15	37	36	20
	1/4"/3/8"					
6/10	8/10	3/8"	15	37	36	20
	1/4"/3/8"					
6/10	8/10	1/2"	16	42	39	25
	1/4"/3/8"					
8/12	9/12 10/12	1/4"	15	41	40	20
	3/8"/1/2"					
8/12	9/12 10/12	3/8"	15	41	40	20
	3/8"/1/2"					
8/12	9/12 10/12	1/2"	16	45	40	25
	3/8"/1/2"					
8/12	9/12 10/12	3/4"	20		43	30
	3/8"/1/2"					
10/14	12/14	1/4"	15	45	48	25
10/14	12/14	3/8"	15	45	48	25
10/14	12/14	1/2"	16	45	48	25
10/14	12/14	3/4"	20		50	30
12/16	14/16	3/8"	15		50	25
12/16	14/16	1/2"	16	45	50	25
12/16	14/16	3/4"	20		52	30
14/18	16/18	1/2"	16		55	30
14/18	16/18	3/4"	20		55	30
		1/4"	15		57	30
		3/8"	15		57	30
		5/8"/3/4"				
16/20	18/20	1/2"	16	45	57	30
		5/8"/3/4"				
16/20	18/20	3/4"	20		57	30
		5/8"/3/4"				

\* for connections in inch add 2 mm per side

**Elbow connector for flexible tube (Series 1A)  
with male NPT-thread (long model)**



Article-Nr	Connection A	Connection B	Material
1A210MN1114PN	DN1/4"/3/8"	NPT1/4"	PP-NATUR
1A210MN4012PP	DN04/06	NPT1/2"	PP
1A210MN4014PP	DN04/06	NPT1/4"	PP
1A210MN4014PV	DN04/06	NPT1/4"	PVDF
1A210MN4018PP	DN04/06	NPT1/8"	PP
1A210MN4018PV	DN04/06	NPT1/8"	PVDF
1A210MN4038PP	DN04/06	NPT3/8"	PP
1A210MN4038PV	DN04/06	NPT3/8"	PVDF
1A210MN4218PP	DN05/08	NPT1/8"	PP
1A210MN4312PP	DN06/08	NPT1/2"	PP
1A210MN4312PV	DN06/08	NPT1/2"	PVDF
1A210MN4314PP	DN06/08	NPT1/4"	PP
1A210MN4314PV	DN06/08	NPT1/4"	PVDF
1A210MN4318PP	DN06/08	NPT1/8"	PP
1A210MN4318PV	DN06/08	NPT1/8"	PVDF
1A210MN4338PP	DN06/08	NPT3/8"	PP
1A210MN4338PV	DN06/08	NPT3/8"	PVDF
1A210MN4412PP	DN06/10	NPT1/2"	PP
1A210MN4414PP	DN06/10	NPT1/4"	PP
1A210MN4414PV	DN06/10	NPT1/4"	PVDF
1A210MN4418PP	DN06/10	NPT1/8"	PP
1A210MN4418PV	DN06/10	NPT1/8"	PVDF
1A210MN4438PP	DN06/10	NPT3/8"	PP
1A210MN4438PV	DN06/10	NPT3/8"	PVDF
1A210MN4512PP	DN08/10	NPT1/2"	PP
1A210MN4514PN	DN08/10	NPT1/4"	PP-NATUR
1A210MN4514PP	DN08/10	NPT1/4"	PP
1A210MN4514PV	DN08/10	NPT1/4"	PVDF
1A210MN4518PP	DN08/10	NPT1/8"	PP
1A210MN4518PV	DN08/10	NPT1/8"	PVDF
1A210MN4538PP	DN08/10	NPT3/8"	PP
1A210MN4538PV	DN08/10	NPT3/8"	PVDF
1A210MN4612PP	DN08/12	NPT1/2"	PP
1A210MN4612PV	DN08/12	NPT1/2"	PVDF
1A210MN4614PP	DN08/12	NPT1/4"	PP
1A210MN4614PV	DN08/12	NPT1/4"	PVDF
1A210MN4638PP	DN08/12	NPT3/8"	PP
1A210MN4638PV	DN08/12	NPT3/8"	PVDF
1A210MN4712PP	DN09/12	NPT1/2"	PP
1A210MN4812PP	DN10/12	NPT1/2"	PP
1A210MN4812PV	DN10/12	NPT1/2"	PVDF
1A210MN4814PP	DN10/12	NPT1/4"	PP
1A210MN4838PP	DN10/12	NPT3/8"	PP
1A210MN5214PP	DN12/16	NPT1/4"	PP
1A210MN5214PV	DN12/16	NPT1/4"	PVDF

**Dimensions 1A210MN. . . , 1C210MN. . .**

	A(DN)	B(NPT)	I3	L37	~L17*	ØD4
4/6		1/8"	11.6	29	25	13
		1/6"/1/4"				
4/6		1/4"	16.4	29	26	15
		1/6"/1/4"				
4/6		3/8"	17.4	34	29	20
		1/6"/1/4"				
4/6		1/2"	22.6	42	32	25
		1/6"/1/4"				
5/8	6/8	1/8"	11.6	29	30	15
5/8	6/8	1/4"	16.4	29	30	15
5/8	6/8	3/8"	17.4	34	33	20
5/8	6/8	1/2"	22.6	42	36	25
6/9		1/8"	11.6			
6/9		1/4"	16.4			

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**Elbow connector for flexible tube (Series 1A)  
with male NPT-thread (long model)**

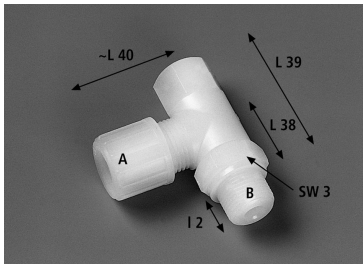
**1**

A(DN)		B(NPT)		I3	L37	~L17*	ØD4
6/9			3/8"	17.4			
6/9			1/2"	22.6			
6/10	8/10		1/8"	11.6	37	36	20
			1/4"/3/8"				
6/10	8/10		1/4"	16.4	37	36	20
			1/4"/3/8"				
6/10	8/10		3/8"	17.4	37	36	20
			1/4"/3/8"				
6/10	8/10		1/2"	22.6	42	39	25
			1/4"/3/8"				
8/12	9/12	10/12	1/4"	16.4	41	40	20
			3/8"/1/2"				
8/12	9/12	10/12	3/8"	17.4	41	40	20
			3/8"/1/2"				
8/12	9/12	10/12	1/2"	22.6	45	40	25
			3/8"/1/2"				
8/12	9/12	10/12	3/4"	23.1		43	30
			3/8"/1/2"				
10/14	12/14		1/4"	16.4	45	48	25
10/14	12/14		3/8"	17.4	45	48	25
10/14	12/14		1/2"	22.6	45	48	25
10/14	12/14		3/4"	23.1		50	30
12/16	14/16		3/8"	17.4		50	25
12/16	14/16		1/2"	22.6	45	50	25
12/16	14/16		3/4"	23.1		52	30
14/18	16/18		1/2"	22.6		55	30
14/18	16/18		3/4"	23.1		55	30
			1/4"	16.4		57	30
			5/8"/3/4"				
			3/8"	17.4		57	30
			5/8"/3/4"				
16/20	18/20		1/2"	22.6	45	57	30
			5/8"/3/4"				
16/20	18/20		3/4"	23.1		57	30
			5/8"/3/4"				

\* for connections in inch add 2 mm per side

## Elbow swivel connector for flexible tube (Series 1A) and male G-thread

# 1



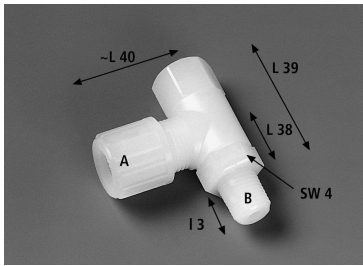
Article-Nr	Connection A	Connection B	Material
1A250MG1538PP	DN3/8"/1/2"	G3/8"	PP
1A250MG4012PP	DN04/06	G1/2"	PP
1A250MG4014PPEP	DN04/06	G1/4"	PP/EPDM
1A250MG4014PPFP	DN04/06	G1/4"	PP/FPM
1A250MG4014PVEP	DN04/06	G1/4"	PVDF/EPDM
1A250MG4014PVFP	DN04/06	G1/4"	PVDF/FPM
1A250MG4018PPFP	DN04/06	G1/8"	PP
1A250MG4018PVEP	DN04/06	G1/8"	PVDF/EPDM
1A250MG4018PVFP	DN04/06	G1/8"	PVDF/FPM
1A250MG4312PPFP	DN06/08	G1/2"	PP/FPM
1A250MG4314PPFP	DN06/08	G1/4"	PP
1A250MG4318PPEP	DN06/08	G1/8"	PP/EPDM
1A250MG4318PPFP	DN06/08	G1/8"	PP
1A250MG4512PPFP	DN08/10	G1/2"	PP/FPM
1A250MG4514PPFP	DN08/10	G1/4"	PP/FPM
1A250MG4638PPEP	DN08/12	G3/8"	PP/EPDM
1A250MG4638PVFP	DN08/12	G3/8"	PVDF/FPM
1A250MG4812PPFP	DN10/12	G1/2"	PP/FPM
1A250MG4814PVEP	DN10/12	G1/4"	PVDF/EPDM
1A250MG4814PVFP	DN10/12	G1/4"	PVDF/FPM
1A250MG4838PPFP	DN10/12	G3/8"	PP/FPM

### Dimensions 1A250MG . . . , 1C250MG . . .

A(DN)		B(G)	I2	L38	L39	~L40	SW3
4/6		1/8"	8	19.5	41.5	29	17
4/6		1/4"	12	20	42	29	17
4/6		3/8"	12	20.5	42.5	29	22
4/6		1/2"	14	23	45	29	27
5/8	6/8	1/8"	8	19.5	41.5	33	17
5/8	6/8	1/4"	12	20	42	33	17
5/8	6/8	3/8"	12	20.5	42.5	33	22
5/8	6/8	1/2"	14	23	45	33	27
6/10	8/10	1/4"	12	20	42	36	17
6/10	8/10	3/8"	12	20.5	42.5	36	22
6/10	8/10	1/2"	14	23	45	36	27
8/12	9/12 10/12	1/4"	12	20	42	40	17
8/12	9/12 10/12	3/8"	12	20.5	42.5	40	22
8/12	9/12 10/12	1/2"	14	23	45	40	27
10/14	12/14	3/8"	12	20.5	45.5	48	24
10/14	12/14	1/2"	14	23	48	48	27

## Elbow swivel connector for flexible tube (Series 1A) and male NPT-thread

# 1



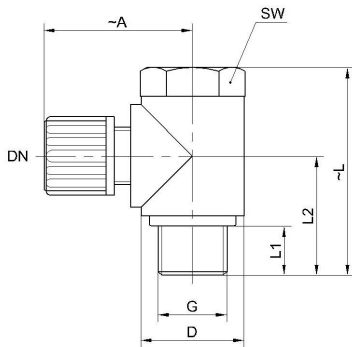
Article-Nr	Connection A	Connection B	Material
1A250MN4614PPFP	DN08/12	NPT1/4"	PP

### Dimensions 1A250MN. . . , 1C250MN. . .

	A(DN)		B(NPT)	l3	L38	~L39	~L40	SW4
	4/6		1/8"	10	18	40	29	17
	4/6		1/4"	15	18	40	29	17
	4/6		3/8"	15.3	18	40	29	19
	4/6		1/2"	20	19	41	29	24
	5/8	6/8	1/8"	10	18	40	33	17
	5/8	6/8	1/4"	15	18	40	33	17
	5/8	6/8	3/8"	15.3	18	40	33	19
	5/8	6/8	1/2"	20	19	41	33	24
	6/10	8/10	1/4"	15	18	40	36	17
	6/10	8/10	3/8"	15.3	18	40	36	19
	6/10	8/10	1/2"	20	19	41	36	24
	8/12	9/12	10/12	1/4"	15	18	40	17
	8/12	9/12	10/12	3/8"	15.3	18	40	19
	8/12	9/12	10/12	1/2"	20	19	41	24
	10/14	12/14		3/8"	15.3	21	46	19
	10/14	12/14		1/2"	20	22	47	24

# Elbow swivel connector (COMPACT) for flexible tube (Series 1A) and male G-thread

# 1



Article-Nr	Connection A	Connection B	Material
1A270MG4014PPEP	DN04/06	G1/4"	PP/EPDM
1A270MG4014PVFP	DN04/06	G1/4"	PVDF/FPM
1A270MG4018PVFP	DN04/06	G1/8"	PVDF/FPM
1A270MG4812PPFP	DN10/12	G1/2"	PP/FPM
1A270MG4812PVFP	DN10/12	G1/2"	PVDF/FPM

Technical data 1A270... , 1C270... , 1A370... , 1C370...

Pressure stage	PN 10
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Materials 1A270... , 1C270... , 1A370... , 1C370...

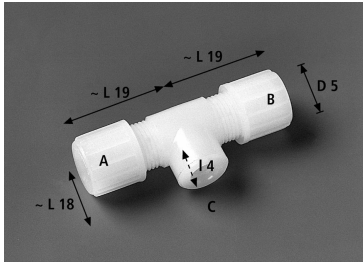
	PP	PVDF
Body	PP	PVDF
Banjo screw	PP	PVDF
O-ring*	FPM	FPM

\* EPDM, FFKM on request



## T-connector for flexible tube (Series 1A) with female G-thread

# 1



Article-Nr	Connection A	Connection B	Connection C	Material
1A300FG0514PP	DN1/6"/1/4"	DN1/6"/1/4"	G1/4"	PP
1A300FG0518PV	DN1/6"/1/4"	DN1/6"/1/4"	G1/8"	PVDF
1A300FG4012PP	DN04/06	DN04/06	G1/2"	PP
1A300FG4012PV	DN04/06	DN04/06	G1/2"	PVDF
1A300FG4014PP	DN04/06	DN04/06	G1/4"	PP
1A300FG4014PV	DN04/06	DN04/06	G1/4"	PVDF
1A300FG4018PP	DN04/06	DN04/06	G1/8"	PP
1A300FG4018PV	DN04/06	DN04/06	G1/8"	PVDF
1A300FG4038PP	DN04/06	DN04/06	G3/8"	PP
1A300FG4038PV	DN04/06	DN04/06	G3/8"	PVDF
1A300FG4212PP	DN05/08	DN05/08	G1/2"	PP
1A300FG4214PP	DN05/08	DN05/08	G1/4"	PP
1A300FG4238PP	DN05/08	DN05/08	G3/8"	PP
1A300FG424012PP	DN05/08	DN04/06	G1/2"	PP
1A300FG4312PP	DN06/08	DN06/08	G1/2"	PP
1A300FG4312PV	DN06/08	DN06/08	G1/2"	PVDF
1A300FG4314PN	DN06/08	DN06/08	G1/4"	PP-NATUR
1A300FG4314PP	DN06/08	DN06/08	G1/4"	PP
1A300FG4314PV	DN06/08	DN06/08	G1/4"	PVDF
1A300FG4318PP	DN06/08	DN06/08	G1/8"	PP
1A300FG4318PV	DN06/08	DN06/08	G1/8"	PVDF
1A300FG4338PP	DN06/08	DN06/08	G3/8"	PP
1A300FG4338PV	DN06/08	DN06/08	G3/8"	PVDF
1A300FG4412PP	DN06/10	DN06/10	G1/2"	PP
1A300FG4412PV	DN06/10	DN06/10	G1/2"	PVDF
1A300FG4414PP	DN06/10	DN06/10	G1/4"	PP
1A300FG4414PV	DN06/10	DN06/10	G1/4"	PVDF
1A300FG4418PP	DN06/10	DN06/10	G1/8"	PP
1A300FG4418PV	DN06/10	DN06/10	G1/8"	PVDF
1A300FG4438PP	DN06/10	DN06/10	G3/8"	PP
1A300FG4438PV	DN06/10	DN06/10	G3/8"	PVDF
1A300FG4512PP	DN08/10	DN08/10	G1/2"	PP
1A300FG4512PV	DN08/10	DN08/10	G1/2"	PVDF
1A300FG4514PP	DN08/10	DN08/10	G1/4"	PP
1A300FG4514PV	DN08/10	DN08/10	G1/4"	PVDF
1A300FG4518PP	DN08/10	DN08/10	G1/8"	PP
1A300FG4518PV	DN08/10	DN08/10	G1/8"	PVDF
1A300FG4538PP	DN08/10	DN08/10	G3/8"	PP
1A300FG4538PV	DN08/10	DN08/10	G3/8"	PVDF
1A300FG4612PP	DN08/12	DN08/12	G1/2"	PP
1A300FG4612PV	DN08/12	DN08/12	G1/2"	PVDF
1A300FG4614PP	DN08/12	DN08/12	G1/4"	PP
1A300FG4614PV	DN08/12	DN08/12	G1/4"	PVDF
1A300FG4618PP	DN08/12	DN08/12	G1/8"	PP
1A300FG4618PV	DN08/12	DN08/12	G1/8"	PVDF
1A300FG4638PP	DN08/12	DN08/12	G3/8"	PP
1A300FG4638PV	DN08/12	DN08/12	G3/8"	PVDF
1A300FG4712PV	DN09/12	DN09/12	G1/2"	PVDF
1A300FG4714PP	DN09/12	DN09/12	G1/4"	PP
1A300FG4738PP	DN09/12	DN09/12	G3/8"	PP
1A300FG4812PP	DN10/12	DN10/12	G1/2"	PP
1A300FG4812PV	DN10/12	DN10/12	G1/2"	PVDF
1A300FG4814PN	DN10/12	DN10/12	G1/4"	PP-NATUR
1A300FG4814PP	DN10/12	DN10/12	G1/4"	PP
1A300FG4814PV	DN10/12	DN10/12	G1/4"	PVDF
1A300FG4818PP	DN10/12	DN10/12	G1/8"	PP
1A300FG4818PV	DN10/12	DN10/12	G1/8"	PVDF
1A300FG4834PP	DN10/12	DN10/12	G3/4"	PP
1A300FG4838PN	DN10/12	DN10/12	G3/8"	PP-NATUR
1A300FG4838PP	DN10/12	DN10/12	G3/8"	PP
1A300FG4838PV	DN10/12	DN10/12	G3/8"	PVDF
1A300FG4912PP	DN10/14	DN10/14	G1/2"	PP

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Article-Nr	Connection A	Connection B	Connection C	Material
1A300FG4912PV	DN10/14	DN10/14	G1/2"	PVDF
1A300FG4914PP	DN10/14	DN10/14	G1/4"	PP
1A300FG4914PV	DN10/14	DN10/14	G1/4"	PVDF
1A300FG4938PP	DN10/14	DN10/14	G3/8"	PP
1A300FG4938PV	DN10/14	DN10/14	G3/8"	PVDF
1A300FG5112PP	DN12/14	DN12/14	G1/2"	PP
1A300FG5112PV	DN12/14	DN12/14	G1/2"	PVDF
1A300FG5114PP	DN12/14	DN12/14	G1/4"	PP
1A300FG5114PV	DN12/14	DN12/14	G1/4"	PVDF
1A300FG5138PP	DN12/14	DN12/14	G3/8"	PP
1A300FG5138PV	DN12/14	DN12/14	G3/8"	PVDF
1A300FG5212PP	DN12/16	DN12/16	G1/2"	PP
1A300FG5212PV	DN12/16	DN12/16	G1/2"	PVDF
1A300FG5214PP	DN12/16	DN12/16	G1/4"	PP
1A300FG5214PV	DN12/16	DN12/16	G1/4"	PVDF
1A300FG5312PV	DN14/16	DN14/16	G1/2"	PVDF
1A300FG5314PP	DN14/16	DN14/16	G1/4"	PP
1A300FG5334PV	DN14/16	DN14/16	G3/4"	PVDF
1A300FG5338PP	DN14/16	DN14/16	G3/8"	PP
1A300FG5438PP	DN14/18	DN14/18	G3/8"	PP
1A300FG5612PP	DN16/20	DN16/20	G1/2"	PP
1A300FG5612PV	DN16/20	DN16/20	G1/2"	PVDF
1A300FG5614PP	DN16/20	DN16/20	G1/4"	PP
1A300FG5614PV	DN16/20	DN16/20	G1/4"	PVDF
1A300FG5638PP	DN16/20	DN16/20	G3/8"	PP
1A300FG5638PV	DN16/20	DN16/20	G3/8"	PVDF
1A300FG5712PV	DN18/20	DN18/20	G1/2"	PVDF

Dimensions 1A300FG . . . , 1C300FG . . .

		A-B(DN)	C(G)	l4	L18	~L19*	ØD5
4/6			1/8"	10	17	26	15
		1/6"/1/4"					
4/6			1/4"	15	20	29	20
		1/6"/1/4"					
4/6			3/8"	15	20	32	25
		1/6"/1/4"					
4/6			1/2"	16	23	34	30
		1/6"/1/4"					
5/8	6/8		1/8"	10	17	30	15
5/8	6/8		1/4"	15	20	33	20
5/8	6/8		3/8"	15	20	36	25
5/8	6/8		1/2"	16	23	38	30
6/9			1/8"	10			
6/9			1/4"	15			
6/9			3/8"	15			
6/9			1/2"	16			
6/10	8/10		1/8"	10	17	36	20
		1/4"/3/8"					
6/10	8/10		1/4"	15	20	36	20
		1/4"/3/8"					
6/10	8/10		3/8"	15	20	39	25
		1/4"/3/8"					
6/10	8/10		1/2"	16	23	41	30
		1/4"/3/8"					
8/12	9/12	10/12	1/4"	15	20	40	20
		3/8"/1/2"					
8/12	9/12	10/12	3/8"	15	20	43	25
		3/8"/1/2"					
8/12	9/12	10/12	1/2"	16	23	45	30
		3/8"/1/2"					
8/12	9/12	10/12	3/4"	20	37	56	45
		3/8"/1/2"					
10/14	12/14		1/4"	15	23	48	25
10/14	12/14		3/8"	15	25	48	25

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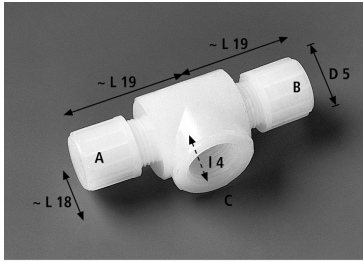
## T-connector for flexible tube (Series 1A) with female G-thread

# 1

		A-B(DN)	C(G)	I4	L18	~L19*	ØD5
10/14	12/14		1/2"	16	25	50	30
10/14	12/14		3/4"	20	37	61	45
12/16	14/16		3/8"	15	25	52	30
12/16	14/16		1/2"	16	25	52	30
12/16	14/16		3/4"	20	37	63	45
14/18	16/18		1/2"	16	25	55	30
14/18	16/18		3/4"	20	37	66	45
		5/8"/3/4"	1/4"	15	25	57	30
			3/8"	15	25	57	30
		5/8"/3/4"					
16/20	18/20		1/2"	16	28	57	30
		5/8"/3/4"					
16/20	18/20		3/4"	20	37	68	45
		5/8"/3/4"					

\* for connections in inch add 2 mm per side

# T-connector for flexible tube (Series 1A) with female M-thread



Article-Nr	Connection A	Connection B	Connection C	Material
1A300FM4011PP	DN04/06	DN04/06	M10x1	PP
1A300FM4011PV	DN04/06	DN04/06	M10x1	PVDF
1A300FM4012PP	DN04/06	DN04/06	M10x1,5	PP
1A300FM4012PV	DN04/06	DN04/06	M10x1,5	PVDF
1A300FM4014PP	DN04/06	DN04/06	M12x1	PP
1A300FM4014PV	DN04/06	DN04/06	M12x1	PVDF
1A300FM4015PP	DN04/06	DN04/06	M12x1,5	PP
1A300FM4015PV	DN04/06	DN04/06	M12x1,5	PVDF
1A300FM4017PP	DN04/06	DN04/06	M14x1,5	PP
1A300FM4017PV	DN04/06	DN04/06	M14x1,5	PVDF
1A300FM4019PP	DN04/06	DN04/06	M16x1,5	PP
1A300FM4019PV	DN04/06	DN04/06	M16x1,5	PVDF
1A300FM4021PV	DN04/06	DN04/06	M18x1,5	PVDF
1A300FM4023PV	DN04/06	DN04/06	M20x1,5	PVDF
1A300FM4315PP	DN06/08	DN06/08	M12x1,5	PP
1A300FM4315PV	DN06/08	DN06/08	M12x1,5	PVDF
1A300FM4317PP	DN06/08	DN06/08	M14x1,5	PP
1A300FM4317PV	DN06/08	DN06/08	M14x1,5	PVDF
1A300FM4319PP	DN06/08	DN06/08	M16x1,5	PP
1A300FM4319PV	DN06/08	DN06/08	M16x1,5	PVDF
1A300FM4321PP	DN06/08	DN06/08	M18x1,5	PP
1A300FM4321PV	DN06/08	DN06/08	M18x1,5	PVDF
1A300FM4415PP	DN06/10	DN06/10	M12x1,5	PP
1A300FM4415PV	DN06/10	DN06/10	M12x1,5	PVDF
1A300FM4417PP	DN06/10	DN06/10	M14x1,5	PP
1A300FM4417PV	DN06/10	DN06/10	M14x1,5	PVDF
1A300FM4419PP	DN06/10	DN06/10	M16x1,5	PP
1A300FM4419PV	DN06/10	DN06/10	M16x1,5	PVDF
1A300FM4421PP	DN06/10	DN06/10	M18x1,5	PP
1A300FM4421PV	DN06/10	DN06/10	M18x1,5	PVDF
1A300FM4515PP	DN08/10	DN08/10	M12x1,5	PP
1A300FM4515PV	DN08/10	DN08/10	M12x1,5	PVDF
1A300FM4517PP	DN08/10	DN08/10	M14x1,5	PP
1A300FM4517PV	DN08/10	DN08/10	M14x1,5	PVDF
1A300FM4519PP	DN08/10	DN08/10	M16x1,5	PP
1A300FM4519PV	DN08/10	DN08/10	M16x1,5	PVDF
1A300FM4521PP	DN08/10	DN08/10	M18x1,5	PP
1A300FM4521PV	DN08/10	DN08/10	M18x1,5	PVDF
1A300FM4615PP	DN08/12	DN08/12	M12x1,5	PP
1A300FM4615PV	DN08/12	DN08/12	M12x1,5	PVDF
1A300FM4617PP	DN08/12	DN08/12	M14x1,5	PP
1A300FM4617PV	DN08/12	DN08/12	M14x1,5	PVDF
1A300FM4619PP	DN08/12	DN08/12	M16x1,5	PP
1A300FM4619PV	DN08/12	DN08/12	M16x1,5	PVDF
1A300FM4621PP	DN08/12	DN08/12	M18x1,5	PP
1A300FM4621PV	DN08/12	DN08/12	M18x1,5	PVDF
1A300FM4815PP	DN10/12	DN10/12	M12x1,5	PP
1A300FM4815PV	DN10/12	DN10/12	M12x1,5	PVDF
1A300FM4817PP	DN10/12	DN10/12	M14x1,5	PP
1A300FM4817PV	DN10/12	DN10/12	M14x1,5	PVDF

### Dimensions 1A300FM... ,1C300FM... . . .

A-B(DN)	C(M)	I4	L18	~L19	ØD5	
4/6	10x1	10	17	26	15	
4/6	10x1,5	10	17	26	15	
4/6	12x1,5	15	20	29	20	
4/6	14x1,5	15	20	29	20	
4/6	16x1,5	15.5	20	32	25	
4/6	18x1,5	16.5	20	32	25	
5/8	6/8	10x1	10	17	30	15
5/8	6/8	10x1,5	10	17	30	15

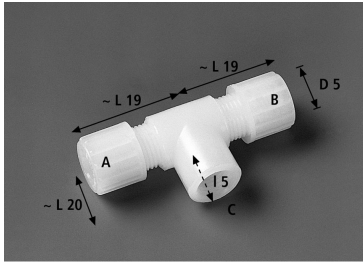
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T-connector for flexible tube (Series 1A) with female M-thread

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	A-B(DN)		C(M)	l4	L18	~L19	ØD5
5/8	6/8		12x1,5	15	20	33	20
5/8	6/8		14x1,5	15	20	33	20
5/8	6/8		16x1,5	15.5	20	36	25
5/8	6/8		18x1,5	16.5	20	36	25
6/9			10x1	10			
6/9			10x1,5	10			
6/9			12x1,5	15			
6/9			14x1,5	15			
6/9			16x1,5	15.5			
6/9			18x1,5	16.5			
6/10	8/10		10x1	10	17	36	20
6/10	8/10		10x1,5	10	17	36	20
6/10	8/10		12x1,5	15	20	36	20
6/10	8/10		14x1,5	15	20	36	20
6/10	8/10		16x1,5	15.5	20	39	25
6/10	8/10		18x1,5	16.5	20	39	25
8/12	9/12	10/12	12x1,5	15	20	40	20
8/12	9/12	10/12	14x1,5	15	20	40	20
8/12	9/12	10/12	16x1,5	15.5	20	43	25
8/12	9/12	10/12	18x1,5	16.5	20	43	25
10/14	12/14		12x1,5	15	23	48	25
10/14	12/14		14x1,5	15	23	48	25
10/14	12/14		16x1,5	15.5	25	48	25
10/14	12/14		18x1,5	16.5	25	48	25

# T-connector for flexible tube (Series 1A) with female NPT-thread



Article-Nr	Connection A	Connection B	Connection C	Material
1A300FN0514PV	DN1/6"/1/4"	DN1/6"/1/4"	NPT1/4"	PVDF
1A300FN1114PP	DN1/4"/3/8"	DN1/4"/3/8"	NPT1/4"	PP
1A300FN1138PV	DN1/4"/3/8"	DN1/4"/3/8"	NPT3/8"	PVDF
1A300FN4012PV	DN04/06	DN04/06	NPT1/2"	PVDF
1A300FN4014PP	DN04/06	DN04/06	NPT1/4"	PP
1A300FN4014PV	DN04/06	DN04/06	NPT1/4"	PVDF
1A300FN4018PP	DN04/06	DN04/06	NPT1/8"	PP
1A300FN4018PV	DN04/06	DN04/06	NPT1/8"	PVDF
1A300FN4038PP	DN04/06	DN04/06	NPT3/8"	PP
1A300FN4314PN	DN06/08	DN06/08	NPT1/4"	PP-NATUR
1A300FN4314PP	DN06/08	DN06/08	NPT1/4"	PP
1A300FN4514PP	DN08/10	DN08/10	NPT1/4"	PP
1A300FN4514PV	DN08/10	DN08/10	NPT1/4"	PVDF
1A300FN4714PV	DN09/12	DN09/12	NPT1/4"	PVDF
1A300FN4814PP	DN10/12	DN10/12	NPT1/4"	PP
1A300FN4814PV	DN10/12	DN10/12	NPT1/4"	PVDF
1A300FN4914PP	DN10/14	DN10/14	NPT1/4"	PP
1A300FN5712PV	DN18/20	DN18/20	NPT1/2"	PVDF

## Dimensions 1A300FN... , 1C300FN...

A-B(DN)		C(NPT)	I5	~L19*	L20	ØD5
4/6		1/8"	11.6	26	20	15
	1/6"/1/4"					
4/6		1/4"	16.4	29	24	20
	1/6"/1/4"					
4/6		3/8"	17.4	32	26	25
	1/6"/1/4"					
4/6		1/2"	22.6	34	28	30
	1/6"/1/4"					
5/8	6/8	1/8"	11.6	30	20	15
5/8	6/8	1/4"	16.4	33	24	20
5/8	6/8	3/8"	17.4	36	26	25
5/8	6/8	1/2"	22.6	38	28	30
6/9		1/8"	11.6			
6/9		1/4"	16.4			
6/9		3/8"	17.4			
6/9		1/2"	22.6			
6/10	8/10	1/8"	11.6	36	20	20
	1/4"/3/8"					
6/10	8/10	1/4"	16.4	36	24	20
	1/4"/3/8"					
6/10	8/10	3/8"	17.4	39	26	25
	1/4"/3/8"					
6/10	8/10	1/2"	22.6	41	32	30
	1/4"/3/8"					
8/12	9/12 10/12	1/4"	16.4	40	24	20
	3/8"/1/2"					
8/12	9/12 10/12	3/8"	17.4	43	26	25
	3/8"/1/2"					
8/12	9/12 10/12	1/2"	22.6	45	32	30
	3/8"/1/2"					
8/12	9/12 10/12	3/4"	23.1	53		45
	3/8"/1/2"					
10/14	12/14	1/4"	16.4	48	26	25
10/14	12/14	3/8"	17.4	48	26	25
10/14	12/14	1/2"	22.6	50	32	30
10/14	12/14	3/4"	23.1	58		45
12/16	14/16	3/8"	17.4	50	28	25
12/16	14/16	1/2"	22.6	52	34	30
12/16	14/16	3/4"	23.1	60		45
14/18	16/18	1/2"	22.6	55		30
14/18	16/18	3/4"	23.1	63		45
		1/4"	16.4	57		30
		5/8"/3/4"				

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**T-connector for flexible tube (Series 1A) with female NPT-thread**

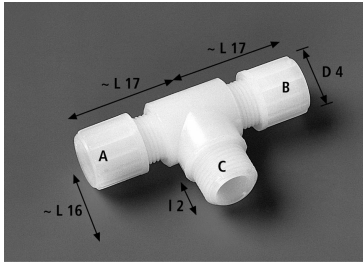
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A-B(DN)		C(NPT)	I5	~L19*	L20	ØD5
		3/8"	17.4	57		30
5/8"/3/4"						
16/20	18/20	1/2"	22.6	57		30
5/8"/3/4"						
16/20	18/20	3/4"	23.1	65		45
5/8"/3/4"						

\* for connections in inch add 2 mm per side

## T-connector for flexible tube (Series 1A) with male G-thread

# 1



Article-Nr	Connection A	Connection B	Connection C	Material
1A300MG0314PV	DN1/8"/1/4"	DN1/8"/1/4"	G1/4"	PVDF
1A300MG0514PV	DN1/6"/1/4"	DN1/6"/1/4"	G1/4"	PVDF
1A300MG0518PP	DN1/6"/1/4"	DN1/6"/1/4"	G1/8"	PP
1A300MG0518PV	DN1/6"/1/4"	DN1/6"/1/4"	G1/8"	PVDF
1A300MG1112PV	DN1/4"/3/8"	DN1/4"/3/8"	G1/2"	PVDF
1A300MG1514PAEP	DN3/8"/1/2"	DN3/8"/1/2"	G1/4"	PA/EPDM
1A300MG1514PV	DN3/8"/1/2"	DN3/8"/1/2"	G1/4"	PVDF
1A300MG4012PN	DN04/06DN04/06	G1/2"		PP-NATUR
1A300MG4012PP	DN04/06DN04/06	G1/2"		PP
1A300MG4012PV	DN04/06DN04/06	G1/2"		PVDF
1A300MG4014PAEP	DN04/06DN04/06	G1/4"		PA/EPDM
1A300MG4014PN	DN04/06DN04/06	G1/4"		PP-NATUR
1A300MG4014PNFP	DN04/06DN04/06	G1/4"		PP-NATUR/FPM
1A300MG4014PP	DN04/06DN04/06	G1/4"		PP
1A300MG4014PPFP	DN04/06DN04/06	G1/4"		PP/FPM
1A300MG4014PV	DN04/06DN04/06	G1/4"		PVDF
1A300MG4018PAEP	DN04/06DN04/06	G1/8"		PA/EPDM
1A300MG4018PAFP	DN04/06DN04/06	G1/8"		PA/FPM
1A300MG4018PN	DN04/06DN04/06	G1/8"		PP-NATUR
1A300MG4018PP	DN04/06DN04/06	G1/8"		PP
1A300MG4018PPFP	DN04/06DN04/06	G1/8"		PP/FPM
1A300MG4018PV	DN04/06DN04/06	G1/8"		PVDF
1A300MG4038PN	DN04/06DN04/06	G3/8"		PP-NATUR
1A300MG4038PP	DN04/06DN04/06	G3/8"		PP
1A300MG4038PV	DN04/06DN04/06	G3/8"		PVDF
1A300MG4212PP	DN05/08	DN05/08	G1/2"	PP
1A300MG4214PP	DN05/08	DN05/08	G1/4"	PP
1A300MG4214PV	DN05/08	DN05/08	G1/4"	PVDF
1A300MG4238PP	DN05/08	DN05/08	G3/8"	PP
1A300MG4312PN	DN06/08	DN06/08	G1/2"	PP-NATUR
1A300MG4312PP	DN06/08	DN06/08	G1/2"	PP
1A300MG4312PV	DN06/08	DN06/08	G1/2"	PVDF
1A300MG4314PN	DN06/08	DN06/08	G1/4"	PP-NATUR
1A300MG4314PP	DN06/08	DN06/08	G1/4"	PP
1A300MG4314PPEP	DN06/08	DN06/08	G1/4"	PP/EPDM
1A300MG4314PV	DN06/08	DN06/08	G1/4"	PVDF
1A300MG4318PN	DN06/08	DN06/08	G1/8"	PP-NATUR
1A300MG4318PP	DN06/08	DN06/08	G1/8"	PP
1A300MG4318PPFP	DN06/08	DN06/08	G1/8"	PP/FPM
1A300MG4318PV	DN06/08	DN06/08	G1/8"	PVDF
1A300MG4334PP	DN06/08	DN06/08	G3/4"	PP
1A300MG4338PN	DN06/08	DN06/08	G3/8"	PP-NATUR
1A300MG4338PP	DN06/08	DN06/08	G3/8"	PP
1A300MG4338PPFP	DN06/08	DN06/08	G3/8"	PP/FPM
1A300MG4338PV	DN06/08	DN06/08	G3/8"	PVDF
1A300MG434018PV	DN06/08	DN04/06	G1/8"	PVDF
1A300MG4412PP	DN06/10	DN06/10	G1/2"	PP
1A300MG4412PV	DN06/10	DN06/10	G1/2"	PVDF
1A300MG4414PP	DN06/10	DN06/10	G1/4"	PP
1A300MG4414PV	DN06/10	DN06/10	G1/4"	PVDF
1A300MG4418PP	DN06/10	DN06/10	G1/8"	PP
1A300MG4418PV	DN06/10	DN06/10	G1/8"	PVDF
1A300MG4438PP	DN06/10	DN06/10	G3/8"	PP
1A300MG4438PV	DN06/10	DN06/10	G3/8"	PVDF
1A300MG4512PN	DN08/10	DN08/10	G1/2"	PP-NATUR
1A300MG4512PP	DN08/10	DN08/10	G1/2"	PP
1A300MG4512PPEP	DN08/10	DN08/10	G1/2"	PP/EPDM
1A300MG4512PV	DN08/10	DN08/10	G1/2"	PVDF
1A300MG4514PN	DN08/10	DN08/10	G1/4"	PP-NATUR
1A300MG4514PP	DN08/10	DN08/10	G1/4"	PP
1A300MG4514PPFP	DN08/10	DN08/10	G1/4"	PP/FPM
1A300MG4514PV	DN08/10	DN08/10	G1/4"	PVDF

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Article-Nr	Connection A	Connection B	Connection C	Material
1A300MG4514PVFP	DN08/10	DN08/10	G1/4"	PVDF/FPM
1A300MG4518PAEP	DN08/10	DN08/10	G1/8"	PA/EPDM
1A300MG4518PN	DN08/10	DN08/10	G1/8"	PP-NATUR
1A300MG4518PP	DN08/10	DN08/10	G1/8"	PP
1A300MG4518PV	DN08/10	DN08/10	G1/8"	PVDF
1A300MG4538PN	DN08/10	DN08/10	G3/8"	PP-NATUR
1A300MG4538PP	DN08/10	DN08/10	G3/8"	PP
1A300MG4538PV	DN08/10	DN08/10	G3/8"	PVDF
1A300MG4612PP	DN08/12	DN08/12	G1/2"	PP
1A300MG4612PV	DN08/12	DN08/12	G1/2"	PVDF
1A300MG4614PN	DN08/12	DN08/12	G1/4"	PP-NATUR
1A300MG4614PP	DN08/12	DN08/12	G1/4"	PP
1A300MG4614PV	DN08/12	DN08/12	G1/4"	PVDF
1A300MG4618PP	DN08/12	DN08/12	G1/8"	PP
1A300MG4618PV	DN08/12	DN08/12	G1/8"	PVDF
1A300MG4638PP	DN08/12	DN08/12	G3/8"	PP
1A300MG4638PV	DN08/12	DN08/12	G3/8"	PVDF
1A300MG4712PN	DN09/12	DN09/12	G1/2"	PP-NATUR
1A300MG4712PP	DN09/12	DN09/12	G1/2"	PP
1A300MG4712PV	DN09/12	DN09/12	G1/2"	PVDF
1A300MG4714PN	DN09/12	DN09/12	G1/4"	PP-NATUR
1A300MG4714PP	DN09/12	DN09/12	G1/4"	PP
1A300MG4714PV	DN09/12	DN09/12	G1/4"	PVDF
1A300MG4718PP	DN09/12	DN09/12	G1/8"	PP
1A300MG4738PN	DN09/12	DN09/12	G3/8"	PP-NATUR
1A300MG4812PN	DN10/12	DN10/12	G1/2"	PP-NATUR
1A300MG4812PP	DN10/12	DN10/12	G1/2"	PP
1A300MG4812PV	DN10/12	DN10/12	G1/2"	PVDF
1A300MG4814PN	DN10/12	DN10/12	G1/4"	PP-NATUR
1A300MG4814PP	DN10/12	DN10/12	G1/4"	PP
1A300MG4814PV	DN10/12	DN10/12	G1/4"	PVDF
1A300MG4818PN	DN10/12	DN10/12	G1/8"	PP-NATUR
1A300MG4818PP	DN10/12	DN10/12	G1/8"	PP
1A300MG4818PV	DN10/12	DN10/12	G1/8"	PVDF
1A300MG4838PN	DN10/12	DN10/12	G3/8"	PP-NATUR
1A300MG4838PP	DN10/12	DN10/12	G3/8"	PP
1A300MG4838PV	DN10/12	DN10/12	G3/8"	PVDF
1A300MG4912PP	DN10/14, DN10/14	G1/2"		PP
1A300MG4912PV	DN10/14, DN10/14	G1/2"		PVDF
1A300MG4914PP	DN10/14	DN10/14	G1/4"	PP
1A300MG4914PV	DN10/14	DN10/14	G1/4"	PVDF
1A300MG4934PV	DN10/14	DN10/14	G3/4"	PVDF
1A300MG4938PP	DN10/14	DN10/14	G3/8"	PP
1A300MG4938PV	DN10/14	DN10/14	G3/8"	PVDF
1A300MG5112PP	DN12/14	DN12/14	G1/2"	PP
1A300MG5112PV	DN12/14	DN12/14	G1/2"	PVDF
1A300MG5114PP	DN12/14	DN12/14	G1/4"	PP
1A300MG5114PV	DN12/14	DN12/14	G1/4"	PVDF
1A300MG5138PP	DN12/14	DN12/14	G3/8"	PP
1A300MG5138PV	DN12/14	DN12/14	G3/8"	PVDF
1A300MG5212PP	DN12/16	DN12/16	G1/2"	PP
1A300MG5212PV	DN12/16	DN12/16	G1/2"	PVDF
1A300MG5214PP	DN12/16	DN12/16	G1/4"	PP
1A300MG5214PV	DN12/16	DN12/16	G1/4"	PVDF
1A300MG5238PP	DN12/16	DN12/16	G3/8"	PP
1A300MG5238PV	DN12/16	DN12/16	G3/8"	PVDF
1A300MG5312PN	DN14/16	DN14/16	G1/2"	PP-NATUR
1A300MG5312PP	DN14/16	DN14/16	G1/2"	PP
1A300MG5312PV	DN14/16	DN14/16	G1/2"	PVDF
1A300MG5314PP	DN14/16	DN14/16	G1/4"	PP
1A300MG5314PV	DN14/16	DN14/16	G1/4"	PVDF
1A300MG5338PP	DN14/16	DN14/16	G3/8"	PP

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Article-Nr	Connection A	Connection B	Connection C	Material
1A300MG5338PV	DN14/16	DN14/16	G3/8"	PVDF
1A300MG5512PV	DN16/18	DN16/18	G1/2"	PVDF
1A300MG5538PV	DN16/18	DN16/18	G3/8"	PVDF
1A300MG5612PP	DN16/20	DN16/20	G1/2"	PP
1A300MG5612PV	DN16/20	DN16/20	G1/2"	PVDF
1A300MG5614PP	DN16/20	DN16/20	G1/4"	PP
1A300MG5614PV	DN16/20	DN16/20	G1/4"	PVDF
1A300MG5712PP	DN18/20	DN18/20	G1/2"	PP
1A300MG5712PV	DN18/20	DN18/20	G1/2"	PVDF

Dimensions 1A300MG. . ., 1C300MG. . .

A-B(DN)			C(G)	I2	L16	~L17*	ØD4
4/6			1/8"	8	20	26	12
		1/6"/1/4"					
4/6			1/4"	12	27	27	15
		1/6"/1/4"					
4/6			3/8"	12	27	29	20
		1/6"/1/4"					
4/6			1/2"	14	34	32	25
		1/6"/1/4"					
5/8	6/8		1/8"	8	20	31	15
5/8	6/8		1/4"	12	27	31	15
5/8	6/8		3/8"	12	27	33	20
5/8	6/8		1/2"	14	34	36	25
6/9			1/8"	8			
6/9			1/4"	12			
6/9			3/8"	12			
6/9			1/2"	14			
6/10	8/10		1/8"	8	26	36	20
		1/4"/3/8"					
6/10	8/10		1/4"	12	30	36	20
		1/4"/3/8"					
6/10	8/10		3/8"	12	30	36	20
		1/4"/3/8"					
6/10	8/10		1/2"	14	34	39	25
		1/4"/3/8"					
8/12	9/12	10/12	1/8"	8	28	40	20
			3/8"/1/2"				
8/12	9/12	10/12	1/4"	12	32	40	20
			3/8"/1/2"				
8/12	9/12	10/12	3/8"	12	32	40	20
			3/8"/1/2"				
8/12	9/12	10/12	1/2"	14	34	43	25
			3/8"/1/2"				
8/12	9/12	10/12	3/4"	16	41	45	30
			3/8"/1/2"				
10/14	12/14		1/8"	8	30	48	25
10/14	12/14		1/4"	12	34	48	25
10/14	12/14		3/8"	12	34	48	25
10/14	12/14		1/2"	14	36	48	25
10/14	12/14		3/4"	16	41	50	30
12/16	14/16		1/4"	12	35	50	25
12/16	14/16		3/8"	12	35	50	25
12/16	14/16		1/2"	14	37	50	25
12/16	14/16		3/4"	16	41	52	30
14/18	16/18		1/4"	12	37	55	30
14/18	16/18		3/8"	12	37	55	30
14/18	16/18		1/2"	14	39	55	30
14/18	16/18		3/4"	16	41	55	30
16/20	18/20		1/4"	12	37	57	30
		5/8"/3/4"					
16/20	18/20		3/8"	12	37	57	30
		5/8"/3/4"					
16/20	18/20		1/2"	14	39	57	30
		5/8"/3/4"					

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# T-connector for flexible tube (Series 1A) with male G-thread

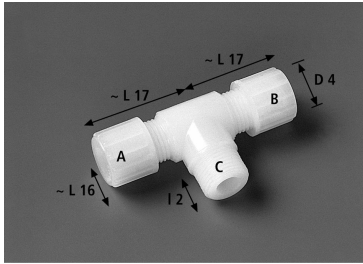
# 1

		A-B(DN)	C(G)	I2	L16	~L17*	ØD4
16/20	18/20	5/8"/3/4"	3/4"	16	41	57	30

\* for connections in inch add 2 mm per side

## T-connector for flexible tube (Series 1A) with male M-thread

# 1



Article-Nr	Connection A	Connection B	Connection C	Material
1A300MM4006PP	DN04/06	DN04/06	M06	PP
1A300MM4011PP	DN04/06	DN04/06	M10x1	PP
1A300MM4011PV	DN04/06	DN04/06	M10x1	PVDF
1A300MM4012PP	DN04/06	DN04/06	M10x1,5	PP
1A300MM4012PV	DN04/06	DN04/06	M10x1,5	PVDF
1A300MM4014PP	DN04/06	DN04/06	M12x1	PP
1A300MM4014PV	DN04/06	DN04/06	M12x1	PVDF
1A300MM4015PP	DN04/06	DN04/06	M12x1,5	PP
1A300MM4015PV	DN04/06	DN04/06	M12x1,5	PVDF
1A300MM4017PP	DN04/06	DN04/06	M14x1,5	PP
1A300MM4017PV	DN04/06	DN04/06	M14x1,5	PVDF
1A300MM4019PP	DN04/06	DN04/06	M16x1,5	PP
1A300MM4019PV	DN04/06	DN04/06	M16x1,5	PVDF
1A300MM4021PP	DN04/06	DN04/06	M18x1,5	PP
1A300MM4021PV	DN04/06	DN04/06	M18x1,5	PVDF
1A300MM4311PP	DN06/08	DN06/08	M10x1	PP
1A300MM4311PV	DN06/08	DN06/08	M10x1	PVDF
1A300MM4315PP	DN06/08	DN06/08	M12x1,5	PP
1A300MM4315PV	DN06/08	DN06/08	M12x1,5	PVDF
1A300MM4317PP	DN06/08	DN06/08	M14x1,5	PP
1A300MM4317PV	DN06/08	DN06/08	M14x1,5	PVDF
1A300MM4319PP	DN06/08	DN06/08	M16x1,5	PP
1A300MM4319PV	DN06/08	DN06/08	M16x1,5	PVDF
1A300MM4321PP	DN06/08	DN06/08	M18x1,5	PP
1A300MM4321PV	DN06/08	DN06/08	M18x1,5	PVDF
1A300MM4415PP	DN06/10	DN06/10	M12x1,5	PP
1A300MM4415PV	DN06/10	DN06/10	M12x1,5	PVDF
1A300MM4417PP	DN06/10	DN06/10	M14x1,5	PP
1A300MM4417PV	DN06/10	DN06/10	M14x1,5	PVDF
1A300MM4419PP	DN06/10	DN06/10	M16x1,5	PP
1A300MM4419PV	DN06/10	DN06/10	M16x1,5	PVDF
1A300MM4421PP	DN06/10	DN06/10	M18x1,5	PP
1A300MM4421PV	DN06/10	DN06/10	M18x1,5	PVDF
1A300MM4515PP	DN08/10	DN08/10	M12x1,5	PP
1A300MM4515PV	DN08/10	DN08/10	M12x1,5	PVDF
1A300MM4517PP	DN08/10	DN08/10	M14x1,5	PP
1A300MM4517PV	DN08/10	DN08/10	M14x1,5	PVDF
1A300MM4519PP	DN08/10	DN08/10	M16x1,5	PP
1A300MM4519PV	DN08/10	DN08/10	M16x1,5	PVDF
1A300MM4521PP	DN08/10	DN08/10	M18x1,5	PP
1A300MM4521PV	DN08/10	DN08/10	M18x1,5	PVDF
1A300MM4615PP	DN08/12	DN08/12	M12x1,5	PP
1A300MM4615PV	DN08/12	DN08/12	M12x1,5	PVDF
1A300MM4617PP	DN08/12	DN08/12	M14x1,5	PP
1A300MM4617PV	DN08/12	DN08/12	M14x1,5	PVDF
1A300MM4619PP	DN08/12	DN08/12	M16x1,5	PP
1A300MM4619PV	DN08/12	DN08/12	M16x1,5	PVDF
1A300MM4621PP	DN08/12	DN08/12	M18x1,5	PP
1A300MM4621PV	DN08/12	DN08/12	M18x1,5	PVDF
1A300MM4812PP	DN10/12	DN10/12	M10x1,5	PP
1A300MM4812PV	DN10/12	DN10/12	M10x1,5	PVDF
1A300MM4814PP	DN10/12	DN10/12	M12x1	PP
1A300MM4814PV	DN10/12	DN10/12	M12x1	PVDF
1A300MM4815PP	DN10/12	DN10/12	M12x1,5	PP
1A300MM4815PV	DN10/12	DN10/12	M12x1,5	PVDF
1A300MM4817PP	DN10/12	DN10/12	M14x1,5	PP
1A300MM4817PV	DN10/12	DN10/12	M14x1,5	PVDF
1A300MM4819PP	DN10/12	DN10/12	M16x1,5	PP
1A300MM4819PV	DN10/12	DN10/12	M16x1,5	PVDF
1A300MM4821PP	DN10/12	DN10/12	M18x1,5	PP
1A300MM4821PV	DN10/12	DN10/12	M18x1,5	PVDF
1A300MM4915PP	DN10/14	DN10/14	M12x1,5	PP

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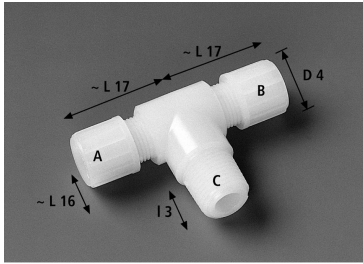
Article-Nr	Connection A	Connection B	Connection C	Material
1A300MM4915PV	DN10/14	DN10/14	M12x1,5	PVDF
1A300MM4917PP	DN10/14	DN10/14	M14x1,5	PP
1A300MM4917PV	DN10/14	DN10/14	M14x1,5	PVDF
1A300MM4919PP	DN10/14	DN10/14	M16x1,5	PP
1A300MM4919PV	DN10/14	DN10/14	M16x1,5	PVDF
1A300MM4921PP	DN10/14	DN10/14	M18x1,5	PP
1A300MM4921PV	DN10/14	DN10/14	M18x1,5	PVDF
1A300MM5117PP	DN12/14	DN12/14	M14x1,5	PP
1A300MM5117PV	DN12/14	DN12/14	M14x1,5	PVDF
1A300MM5119PP	DN12/14	DN12/14	M16x1,5	PP
1A300MM5119PV	DN12/14	DN12/14	M16x1,5	PVDF
1A300MM5121PP	DN12/14	DN12/14	M18x1,5	PP
1A300MM5121PV	DN12/14	DN12/14	M18x1,5	PVDF

Dimensions 1A300MM ...,1C300MM ...

A-B(DN)		C(M)	l2	L16	~L17	ØD4
4/6		10x1	8	12	26	12
4/6		10x1,5	8	12	26	12
4/6		12x1,5	12	15	27	15
4/6		14x1,5	12	15	27	15
4/6		16x1,5	12	15	29	20
4/6		18x1,5	12	15	29	20
5/8	6/8	10x1	8	15	31	15
5/8	6/8	10x1,5	8	15	31	15
5/8	6/8	12x1,5	12	15	31	15
5/8	6/8	14x1,5	12	15	31	15
5/8	6/8	16x1,5	12	15	33	20
5/8	6/8	18x1,5	12	15	33	20
6/9		10x1	8			
6/9		10x1,5	8			
6/9		12x1,5	12			
6/9		14x1,5	12			
6/9		16x1,5	12			
6/9		18x1,5	12			
6/10	8/10	10x1	8	17	36	20
6/10	8/10	10x1,5	8	17	36	20
6/10	8/10	12x1,5	12	17	36	20
6/10	8/10	14x1,5	12	17	36	20
6/10	8/10	16x1,5	12	17	36	20
6/10	8/10	18x1,5	12	17	36	20
8/12	9/12 10/12	12x1,5	12	19	40	20
8/12	9/12 10/12	14x1,5	12	19	40	20
8/12	9/12 10/12	16x1,5	12	19	40	20
8/12	9/12 10/12	18x1,5	12	19	40	20
10/14	12/14	12x1,5	12	21	48	25
10/14	12/14	14x1,5	12	21	48	25
10/14	12/14	16x1,5	12	21	48	25
10/14	12/14	18x1,5	12	21	48	25
12/16	14/16	14x1,5	12	23	50	25
12/16	14/16	16x1,5	12	23	50	25
12/16	14/16	18x1,5	12	23	50	25
14/18	16/18	18x1,5	12	25	55	30
14/18	16/18	20x1,5	14	25	55	30
14/18	16/18	22x1,5	14	25	55	30
14/18	16/18	24x1,5	16	25	55	30
16/20	18/20	20x1,5	14	25	57	30
16/20	18/20	22x1,5	14	25	57	30
16/20	18/20	24x1,5	16	25	57	30

## T-connector for flexible tube (Series 1A) with male NPT-thread

# 1



Article-Nr	Connection A	Connection B	Connection C	Material
1A300MN0318PV	DN1/8"/1/4"	DN1/8"/1/4"	NPT1/8"	PVDF
1A300MN0514PP	DN1/6"/1/4"	DN1/6"/1/4"	NPT1/4"	PP
1A300MN0518PV	DN1/6"/1/4"	DN1/6"/1/4"	NPT1/8"	PVDF
1A300MN0538PV	DN1/6"/1/4"	DN1/6"/1/4"	NPT3/8"	PVDF
1A300MN1112PP	DN1/4"/3/8"	DN1/4"/3/8"	NPT1/2"	PP
1A300MN1114PP	DN1/4"/3/8"	DN1/4"/3/8"	NPT1/4"	PP
1A300MN1512PP	DN3/8"/1/2"	DN3/8"/1/2"	NPT1/2"	PP
1A300MN4012PP	DN04/06	DN04/06	NPT1/2"	PP
1A300MN4012PV	DN04/06	DN04/06	NPT1/2"	PVDF
1A300MN4014PP	DN04/06	DN04/06	NPT1/4"	PP
1A300MN4014PV	DN04/06	DN04/06	NPT1/4"	PVDF
1A300MN4018PN	DN04/06	DN04/06	NPT1/8"	PP-NATUR
1A300MN4018PP	DN04/06	DN04/06	NPT1/8"	PP
1A300MN4018PV	DN04/06	DN04/06	NPT1/8"	PVDF
1A300MN4038PN	DN04/06	DN04/06	NPT3/8"	PP-NATUR
1A300MN4038PP	DN04/06	DN04/06	NPT3/8"	PP
1A300MN4038PV	DN04/06	DN04/06	NPT3/8"	PVDF
1A300MN4312PP	DN06/08	DN06/08	NPT1/2"	PP
1A300MN4312PV	DN06/08	DN06/08	NPT1/2"	PVDF
1A300MN4314PP	DN06/08	DN06/08	NPT1/4"	PP
1A300MN4314PV	DN06/08	DN06/08	NPT1/4"	PVDF
1A300MN4318PP	DN06/08	DN06/08	NPT1/8"	PP
1A300MN4318PV	DN06/08	DN06/08	NPT1/8"	PVDF
1A300MN4338PP	DN06/08	DN06/08	NPT3/8"	PP
1A300MN4338PV	DN06/08	DN06/08	NPT3/8"	PVDF
1A300MN4412PP	DN06/10	DN06/10	NPT1/2"	PP
1A300MN4412PV	DN06/10	DN06/10	NPT1/2"	PVDF
1A300MN4414PP	DN06/10	DN06/10	NPT1/4"	PP
1A300MN4414PV	DN06/10	DN06/10	NPT1/4"	PVDF
1A300MN4418PP	DN06/10	DN06/10	NPT1/8"	PP
1A300MN4418PV	DN06/10	DN06/10	NPT1/8"	PVDF
1A300MN4438PP	DN06/10	DN06/10	NPT3/8"	PP
1A300MN4438PV	DN06/10	DN06/10	NPT3/8"	PVDF
1A300MN4512PP	DN08/10	DN08/10	NPT1/2"	PP
1A300MN4512PV	DN08/10	DN08/10	NPT1/2"	PVDF
1A300MN4514PP	DN08/10	DN08/10	NPT1/4"	PP
1A300MN4514PV	DN08/10	DN08/10	NPT1/4"	PVDF
1A300MN4518PP	DN08/10	DN08/10	NPT1/8"	PP
1A300MN4518PV	DN08/10	DN08/10	NPT1/8"	PVDF
1A300MN4538PN	DN08/10	DN08/10	NPT3/8"	PP-NATUR
1A300MN4538PP	DN08/10	DN08/10	NPT3/8"	PP
1A300MN4538PV	DN08/10	DN08/10	NPT3/8"	PVDF
1A300MN4612PP	DN08/12	DN08/12	NPT1/2"	PP
1A300MN4612PV	DN08/12	DN08/12	NPT1/2"	PVDF
1A300MN4614PP	DN08/12	DN08/12	NPT1/4"	PP
1A300MN4614PV	DN08/12	DN08/12	NPT1/4"	PVDF
1A300MN4618PP	DN08/12	DN08/12	NPT1/8"	PP
1A300MN4618PV	DN08/12	DN08/12	NPT1/8"	PVDF
1A300MN4638PP	DN08/12	DN08/12	NPT3/8"	PP
1A300MN4638PV	DN08/12	DN08/12	NPT3/8"	PVDF
1A300MN4712PP	DN09/12	DN09/12	NPT1/2"	PP
1A300MN4738PV	DN09/12	DN09/12	NPT3/8"	PVDF
1A300MN4812PP	DN10/12	DN10/12	NPT1/2"	PP
1A300MN4812PV	DN10/12	DN10/12	NPT1/2"	PVDF
1A300MN4814PP	DN10/12	DN10/12	NPT1/4"	PP
1A300MN4814PV	DN10/12	DN10/12	NPT1/4"	PVDF
1A300MN4818PP	DN10/12	DN10/12	NPT1/8"	PP
1A300MN4818PV	DN10/12	DN10/12	NPT1/8"	PVDF
1A300MN4838PP	DN10/12	DN10/12	NPT3/8"	PP
1A300MN4838PV	DN10/12	DN10/12	NPT3/8"	PVDF
1A300MN4912PP	DN10/14	DN10/14	NPT1/2"	PP
1A300MN4912PV	DN10/14	DN10/14	NPT1/2"	PVDF

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Article-Nr	Connection A	Connection B	Connection C	Material
1A300MN4914PP	DN10/14	DN10/14	NPT1/4"	PP
1A300MN4914PV	DN10/14	DN10/14	NPT1/4"	PVDF
1A300MN4918PP	DN10/14	DN10/14	NPT1/8"	PP
1A300MN4918PV	DN10/14	DN10/14	NPT1/8"	PVDF
1A300MN4938PP	DN10/14	DN10/14	NPT3/8"	PP
1A300MN4938PV	DN10/14	DN10/14	NPT3/8"	PVDF
1A300MN5112PP	DN12/14	DN12/14	NPT1/2"	PP
1A300MN5112PV	DN12/14	DN12/14	NPT1/2"	PVDF
1A300MN5114PP	DN12/14	DN12/14	NPT1/4"	PP
1A300MN5114PV	DN12/14	DN12/14	NPT1/4"	PVDF
1A300MN5138PP	DN12/14	DN12/14	NPT3/8"	PP
1A300MN5138PV	DN12/14	DN12/14	NPT3/8"	PVDF
1A300MN5212PP	DN12/16	DN12/16	NPT1/2"	PP
1A300MN5212PV	DN12/16	DN12/16	NPT1/2"	PVDF
1A300MN5214PP	DN12/16	DN12/16	NPT1/4"	PP
1A300MN5214PV	DN12/16	DN12/16	NPT1/4"	PVDF
1A300MN5238PP	DN12/16	DN12/16	NPT3/8"	PP
1A300MN5238PV	DN12/16	DN12/16	NPT3/8"	PVDF
1A300MN5312PP	DN14/16	DN14/16	NPT1/2"	PP
1A300MN5312PV	DN14/16	DN14/16	NPT1/2"	PVDF
1A300MN5314PP	DN14/16	DN14/16	NPT1/4"	PP
1A300MN5314PV	DN14/16	DN14/16	NPT1/4"	PVDF
1A300MN5338PP	DN14/16	DN14/16	NPT3/8"	PP
1A300MN5338PV	DN14/16	DN14/16	NPT3/8"	PVDF

Dimensions 1A300MN...1C300MN...

A-B(DN)		C(NPT)	l3	L16	~L17*	ØD4
4/6		1/8"	10	12	26	12
	1/6"/1/4"	1/4"	15	15	27	15
4/6		3/8"	15.3	15	29	20
	1/6"/1/4"	1/2"	20	20	32	25
5/8	6/8	1/8"	10	15	31	15
5/8	6/8	1/4"	15	15	31	15
5/8	6/8	3/8"	15.3	15	33	20
5/8	6/8	1/2"	20	20	36	25
6/9		1/8"	10			
6/9		1/4"	15			
6/9		3/8"	15.3			
6/9		1/2"	20			
6/10	8/10	1/8"	10	18	36	20
	1/4"/3/8"	1/4"	15	18	36	20
6/10	8/10	3/8"	15.3	18	36	20
	1/4"/3/8"	1/2"	20	20	39	25
8/12	9/12 10/12	1/4"	15	20	40	20
	3/8"/1/2"	3/8"	15.3	20	40	20
8/12	9/12 10/12	1/2"	20	20	43	25
	3/8"/1/2"	3/4"	20	20	45	30
10/14	12/14	1/4"	15	22	48	25
10/14	12/14	3/8"	15.3	22	48	25
10/14	12/14	1/2"	20	22	48	25
10/14	12/14	3/4"	20	22	50	30
12/16	14/16	3/8"	15.3	23	50	25

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**T-connector for flexible tube (Series 1A) with male NPT-thread**

**1**

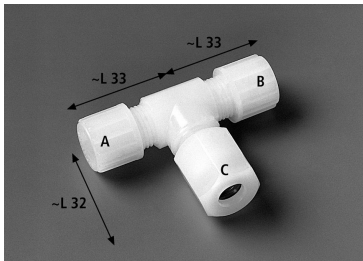
	A-B(DN)	C(NPT)	I3	L16	~L17*	ØD4
12/16	14/16	1/2"	20	23	50	25
12/16	14/16	3/4"	20	23	52	30
14/18	16/18	1/2"	20	25	55	30
14/18	16/18	3/4"	20	25	55	30
		1/4"	15	25	57	30
		5/8"/3/4"				
		3/8"	15.3	25	57	30
		5/8"/3/4"				
16/20	18/20	1/2"	20	25	57	30
		5/8"/3/4"				
16/20	18/20	3/4"	20	25	57	30
		5/8"/3/4"				

\* for connections in inch add 2 mm per side



## T-union for flexible tube (Series 1A) with connection for pipe (Series 2N)

# 1



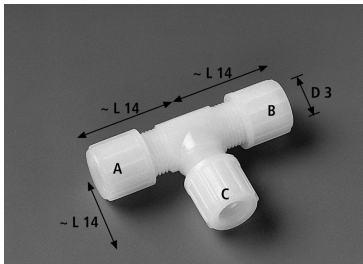
Article-Nr	Connection A	Connection B	Connection C	Material
1A300P20PV	DN5/8"/3/4"	DN5/8"/3/4"	D3/4"	PVDF
1A300P403840PV	DN04/06	D04	DN04/06	PVDF
1A300P404003PV	DN04/06	DN04/06	D1/8"	PVDF
1A300P404038PP	DN04/06	DN04/06	D04	PP
1A300P404038PV	DN04/06	DN04/06	D04	PVDF
1A300P404043PP	DN04/06	DN04/06	D08	PP
1A300P404043PV	DN04/06	DN04/06	D08	PVDF
1A300P404045PP	DN04/06	DN04/06	D10	PP
1A300P404045PV	DN04/06	DN04/06	D10	PVDF
1A300P40PP	DN04/06	DN04/06	D06	PP
1A300P40PV	DN04/06	DN04/06	D06	PVDF
1A300P434303PV	DN06/08	DN06/08	D1/8"	PVDF
1A300P434338PV	DN06/08	DN06/08	D04	PVDF
1A300P434345PP	DN06/08	DN06/08	D10	PP
1A300P43PV	DN06/08	DN06/08	D08	PVDF
1A300P444445PV	DN06/10	DN06/10	D10	PVDF
1A300P454538PP	DN08/10	DN08/10	D04	PP
1A300P454548PP	DN08/10	DN08/10	D12	PP
1A300P45PP	DN08/10	DN08/10	D10	PP
1A300P45PV	DN08/10	DN08/10	D10	PVDF
1A300P48PP	DN10/12	DN10/12	D12	PP
1A300P48PV	DN10/12	DN10/12	D12	PVDF

### Dimensions 1A300P... , 1C300P...

A-B(DN)		C(D)		~L32	~L33*	
4/6		1/6"-1/4"	6	1/4"	39	27
5/8	6/8		8		39	31
6/9						
6/10	8/10	1/4"-3/8"	10	3/8"	42	36
8/12	9/12	10/12	12	1/2"	45	40
10/14	12/14		14		48	48
12/16	14/16		16		52	50
14/18	16/18		18	3/4"	59	55
16/20	18/20	5/8"-3/4"	20		59	57

\* for connections in inch add 2 mm per side

## T-union for flexible tube on all ends (Series 1A)



Article-Nr	Connection A	Connection B	Connection C	Material
1A300T03PP	DN1/8"/1/4"	DN1/8"/1/4"	DN1/8"/1/4"	PP
1A300T03PV	DN1/8"/1/4"	DN1/8"/1/4"	DN1/8"/1/4"	PVDF
1A300T05PP	DN1/6"/1/4"	DN1/6"/1/4"	DN1/6"/1/4"	PP
1A300T05PV	DN1/6"/1/4"	DN1/6"/1/4"	DN1/6"/1/4"	PVDF
1A300T06PV	DN3/16"/1/4"	DN3/16"/1/4"	DN3/16"/1/4"	PVDF
1A300T11PP	DN1/4"/3/8"	DN1/4"/3/8"	DN1/4"/3/8"	PP
1A300T11PV	DN1/4"/3/8"	DN1/4"/3/8"	DN1/4"/3/8"	PVDF
1A300T15PP	DN3/8"/1/2"	DN3/8"/1/2"	DN3/8"/1/2"	PP
1A300T15PV	DN3/8"/1/2"	DN3/8"/1/2"	DN3/8"/1/2"	PVDF
1A300T20PP	DN5/8"/3/4"	DN5/8"/3/4"	DN5/8"/3/4"	PP
1A300T20PV	DN5/8"/3/4"	DN5/8"/3/4"	DN5/8"/3/4"	PVDF
1A300T404005PV	DN04/06	DN04/06	DN1/6"/1/4"	PVDF
1A300T404043PP	DN04/06	DN04/06	DN06/08	PP
1A300T404043PV	DN04/06	DN04/06	DN06/08	PVDF
1A300T404045PP	DN04/06	DN04/06	DN08/10	PP
1A300T404045PV	DN04/06	DN04/06	DN08/10	PVDF
1A300T404046PV	DN04/06	DN04/06	DN08/12	PVDF
1A300T404048PP	DN04/06	DN04/06	DN10/12	PP
1A300T404048PV	DN04/06	DN04/06	DN10/12	PVDF
1A300T40PN	DN04/06	DN04/06	DN04/06	PP-NATUR
1A300T40PP	DN04/06	DN04/06	DN04/06	PP
1A300T40PV	DN04/06	DN04/06	DN04/06	PVDF
1A300T42PN	DN05/08	DN05/08	DN05/08	PP-NATUR
1A300T42PP	DN05/08	DN05/08	DN05/08	PP
1A300T42PV	DN05/08	DN05/08	DN05/08	PVDF
1A300T434040PP	DN06/08	DN04/06	DN04/06	PP
1A300T434040PV	DN06/08	DN04/06	DN04/06	PVDF
1A300T434043PP	DN06/08	DN04/06	DN06/08	PP
1A300T434043PV	DN06/08	DN04/06	DN06/08	PVDF
1A300T434045PV	DN06/08	DN04/06	DN08/10	PVDF
1A300T434303PP	DN06/08	DN06/08	DN1/8"/1/4"	PP
1A300T434305PP	DN06/08	DN06/08	DN1/6"/1/4"	PP
1A300T434340PN	DN06/08	DN06/08	DN04/06	PP-NATUR
1A300T434340PP	DN06/08	DN06/08	DN04/06	PP
1A300T434340PV	DN06/08	DN06/08	DN04/06	PVDF
1A300T434345PN	DN06/08	DN06/08	DN08/10	PP-NATUR
1A300T434345PP	DN06/08	DN06/08	DN08/10	PP
1A300T434345PV	DN06/08	DN06/08	DN08/10	PVDF
1A300T434348PP	DN06/08	DN06/08	DN10/12	PP
1A300T434348PV	DN06/08	DN06/08	DN10/12	PVDF
1A300T435143PV	DN08/10	DN12/14	DN08/10	PVDF
1A300T43PN	DN06/08	DN06/08	DN06/08	PP-NATUR
1A300T43PP	DN06/08	DN06/08	DN06/08	PP
1A300T43PV	DN06/08	DN06/08	DN06/08	PVDF
1A300T444440PP	DN06/10	DN06/10	DN04/06	PP
1A300T444440PV	DN06/10	DN06/10	DN04/06	PVDF
1A300T444445PP	DN06/10	DN06/10	DN08/10	PP
1A300T44PP	DN06/10	DN06/10	DN06/10	PP
1A300T44PV	DN06/10	DN06/10	DN06/10	PVDF
1A300T454040PP	DN08/10	DN04/06	DN04/06	PP
1A300T454040PV	DN08/10	DN04/06	DN04/06	PVDF
1A300T454045PP	DN08/10	DN04/06	DN08/10	PP
1A300T454045PV	DN08/10	DN04/06	DN08/10	PVDF
1A300T454340PP	DN08/10	DN06/08	DN04/06	PP
1A300T454340PV	DN08/10	DN06/08	DN04/06	PVDF
1A300T454343PP	DN08/10	DN06/08	DN06/08	PP
1A300T454345PP	DN08/10	DN06/08	DN08/10	PP
1A300T454345PV	DN08/10	DN06/08	DN08/10	PVDF
1A300T454505PV	DN08/10	DN08/10	DN1/6"/1/4"	PVDF
1A300T454540PP	DN08/10	DN08/10	DN04/06	PP
1A300T454540PV	DN08/10	DN08/10	DN04/06	PVDF
1A300T454543PV	DN08/10	DN08/10	DN06/08	PVDF

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Article-Nr	Connection A	Connection B	Connection C	Material
1A300T454548PN	DN08/10	DN08/10	DN10/12	PP-NATUR
1A300T454548PP	DN08/10	DN08/10	DN10/12	PP
1A300T454548PV	DN08/10	DN08/10	DN10/12	PVDF
1A300T454551PV	DN08/10	DN08/10	DN12/14	PVDF
1A300T454552PV	DN08/10	DN08/10	DN12/16	PVDF
1A300T45PN	DN08/10	DN08/10	DN08/10	PP-NATUR
1A300T45PP	DN08/10	DN08/10	DN08/10	PP
1A300T45PV	DN08/10	DN08/10	DN08/10	PVDF
1A300T464040PP	DN08/12	DN04/06	DN04/06	PP
1A300T464040PV	DN08/12	DN04/06	DN04/06	PVDF
1A300T464046PP	DN08/12	DN04/06	DN08/12	PP
1A300T464046PV	DN08/12	DN04/06	DN08/12	PVDF
1A300T464640PP	DN08/12	DN08/12	DN04/06	PP
1A300T464640PV	DN08/12	DN08/12	DN04/06	PVDF
1A300T464643PV	DN08/12	DN08/12	DN06/08	PVDF
1A300T464644PP	DN08/12	DN08/12	DN06/10	PP
1A300T46PP	DN08/12	DN08/12	DN08/12	PP
1A300T46PV	DN08/12	DN08/12	DN08/12	PVDF
1A300T474740PV	DN09/12	DN09/12	DN04/06	PVDF
1A300T47PN	DN09/12	DN09/12	DN09/12	PP-NATUR
1A300T47PP	DN09/12	DN09/12	DN09/12	PP
1A300T47PV	DN09/12	DN09/12	DN09/12	PVDF
1A300T484040PP	DN10/12	DN04/06	DN04/06	PP
1A300T484040PV	DN10/12	DN04/06	DN04/06	PVDF
1A300T484048PP	DN10/12	DN04/06	DN10/12	PP
1A300T484340PV	DN10/12	DN06/08	DN04/06	PVDF
1A300T484343PP	DN10/12	DN06/08	DN06/08	PP
1A300T484343PV	DN10/12	DN06/08	DN06/08	PVDF
1A300T484348PP	DN10/12	DN06/08	DN10/12	PP
1A300T484348PV	DN10/12	DN06/08	DN10/12	PVDF
1A300T484545PV	DN10/12	DN08/10	DN08/10	PVDF
1A300T484815PV	DN10/12	DN10/12	DN3/8"/1/2"	PVDF
1A300T484840PN	DN10/12	DN10/12	DN04/06	PP-NATUR
1A300T484840PP	DN10/12	DN10/12	DN04/06	PP
1A300T484840PV	DN10/12	DN10/12	DN04/06	PVDF
1A300T484843PN	DN10/12	DN10/12	DN06/08	PP-NATUR
1A300T484843PP	DN10/12	DN10/12	DN06/08	PP
1A300T484843PV	DN10/12	DN10/12	DN06/08	PVDF
1A300T484845PN	DN10/12	DN10/12	DN08/10	PP-NATUR
1A300T484845PP	DN10/12	DN10/12	DN08/10	PP
1A300T484845PV	DN10/12	DN10/12	DN08/10	PVDF
1A300T48PN	DN10/12	DN10/12	DN10/12	PP-NATUR
1A300T48PP	DN10/12	DN10/12	DN10/12	PP
1A300T48PV	DN10/12	DN10/12	DN10/12	PVDF
1A300T48PVEL	DN10/12	DN10/12	DN10/12	PVDF LEITFÄHIG
1A300T494940PP	DN10/14	DN10/14	DN04/06	PP
1A300T494940PV	DN10/14	DN10/14	DN04/06	PVDF
1A300T494943PV	DN10/14	DN10/14	DN06/08	PVDF
1A300T494946PP	DN10/14	DN10/14	DN08/12	PP
1A300T494946PV	DN10/14	DN10/14	DN08/12	PVDF
1A300T49PP	DN10/14	DN10/14	DN10/14	PP
1A300T49PV	DN10/14	DN10/14	DN10/14	PVDF
1A300T514040PP	DN12/14	DN04/06	DN04/06	PP
1A300T514040PV	DN12/14	DN04/06	DN04/06	PVDF
1A300T514343PP	DN12/14	DN06/08	DN06/08	PP
1A300T514545PV	DN12/14	DN08/10	DN08/10	PVDF
1A300T514551PP	DN12/14	DN08/10	DN12/14	PP
1A300T514551PV	DN12/14	DN08/10	DN12/14	PVDF
1A300T514848PP	DN12/14	DN10/12	DN10/12	PP
1A300T515140PN	DN12/14	DN12/14	DN04/06	PP-NATUR
1A300T515140PP	DN12/14	DN12/14	DN04/06	PP

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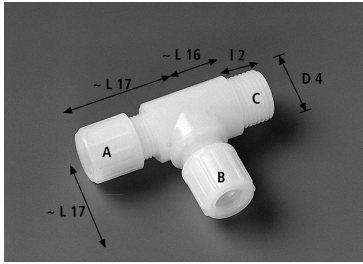
Article-Nr	Connection A	Connection B	Connection C	Material
1A300T515140PV	DN12/14	DN12/14	DN04/06	PVDF
1A300T515143PP	DN12/14	DN12/14	DN06/08	PP
1A300T515145PP	DN12/14	DN12/14	DN08/10	PP
1A300T51PN	DN12/14	DN12/14	DN12/14	PP-NATUR
1A300T51PP	DN12/14	DN12/14	DN12/14	PP
1A300T51PV	DN12/14	DN12/14	DN12/14	PVDF
1A300T524052PV	DN12/16	DN04/06	DN12/16	PVDF
1A300T524848PV	DN12/16	DN10/12	DN10/12	PVDF
1A300T525240PP	DN12/16	DN12/16	DN04/06	PP
1A300T525246PP	DN12/16	DN12/16	DN08/12	PP
1A300T525246PV	DN12/16	DN12/16	DN08/12	PVDF
1A300T52PP	DN12/16	DN12/16	DN12/16	PP
1A300T52PV	DN12/16	DN12/16	DN12/16	PVDF
1A300T534040PV	DN14/16	DN04/06	DN04/06	PVDF
1A300T534848PP	DN14/16	DN10/12	DN10/12	PP
1A300T534848PV	DN14/16	DN10/12	DN10/12	PVDF
1A300T535343PP	DN14/16	DN14/16	DN06/08	PP
1A300T535343PV	DN14/16	DN14/16	DN06/08	PVDF
1A300T535345PV	DN14/16	DN14/16	DN08/10	PVDF
1A300T535348PP	DN14/16	DN14/16	DN10/12	PP
1A300T535357PV	DN14/16	DN14/16	DN18/20	PVDF
1A300T53PP	DN14/16	DN14/16	DN14/16	PP
1A300T53PV	DN14/16	DN14/16	DN14/16	PVDF
1A300T54PP	DN14/18	DN14/18	DN14/18	PP
1A300T54PV	DN14/18	DN14/18	DN14/18	PVDF
1A300T55PP	DN16/18	DN16/18	DN16/18	PP
1A300T55PV	DN16/18	DN16/18	DN16/18	PVDF
1A300T565643PP	DN16/20	DN16/20	DN08/12	PP
1A300T565643PV	DN16/20	DN16/20	DN08/12	PVDF
1A300T565649PV	DN16/20	DN16/20	DN10/14	PVDF
1A300T56PP	DN16/20	DN16/20	DN16/20	PP
1A300T56PV	DN16/20	DN16/20	DN16/20	PVDF
1A300T575353PV	DN18/20	DN14/16	DN14/16	PVDF
1A300T57PP	DN18/20	DN18/20	DN18/20	PP
1A300T57PV	DN18/20	DN18/20	DN18/20	PVDF

Dimensions 1A300T... , 1C300T...

	A-B-C(DN)		~L14*	ØD3
4/6		1/6"-1/4"	26	12
5/8**	6/8		31	15
6/9				
6/10	8/10	1/4"-3/8"	36	20
8/12	9/12	10/12	43	20
10/14	12/14		48	25
12/16	14/16		50	25
14/18	16/18		55	30
16/20	18/20	5/8"-3/4"	59	32

\* for connections in inch add 2 mm per side

T-connector for flexible tube (Series 1A) with male G-thread, asymmetrical



Article-Nr	Connection A	Connection B	Connection C	Material
1A310MG0314PV	DN1/8"/1/4"	DN1/8"/1/4"	G1/4"	PVDF
1A310MG1112PP	DN1/4"/3/8"	DN1/4"/3/8"	G1/2"	PP
1A310MG1512PP	DN3/8"/1/2"	DN3/8"/1/2"	G1/2"	PP
1A310MG4012PP	DN04/06	DN04/06	G1/2"	PP
1A310MG4012PV	DN04/06	DN04/06	G1/2"	PVDF
1A310MG401418PV	DN04/06	G1/4"	G1/8"	PVDF
1A310MG4014PP	DN04/06	DN04/06	G1/4"	PP
1A310MG4014PPFP	DN04/06	DN04/06	G1/4"	PP/FPM
1A310MG4014PV	DN04/06	DN04/06	G1/4"	PVDF
1A310MG4014PVFP	DN04/06	DN04/06	G1/4"	PVDF/FPM
1A310MG401818PV	DN04/06	G1/8"	G1/8"	PVDF
1A310MG4018PP	DN04/06	DN04/06	G1/8"	PP
1A310MG4018PPFP	DN04/06	DN04/06	G1/8"	PP/FPM
1A310MG4018PV	DN04/06	DN04/06	G1/8"	PVDF
1A310MG4038PN	DN04/06	DN04/06	G3/8"	PP-NATUR
1A310MG4038PP	DN04/06	DN04/06	G3/8"	PP
1A310MG4038PPFP	DN04/06	DN04/06	G3/8"	PP/FPM
1A310MG4038PV	DN04/06	DN04/06	G3/8"	PVDF
1A310MG404314PV	DN04/06	DN06/08	G1/4"	PVDF
1A310MG404414PP	DN04/06	DN06/10	G1/4"	PP
1A310MG4212PP	DN05/08	DN05/08	G1/2"	PP
1A310MG4214PV	DN05/08	DN05/08	G1/4"	PVDF
1A310MG4312PP	DN06/08	DN06/08	G1/2"	PP
1A310MG4312PV	DN06/08	DN06/08	G1/2"	PVDF
1A310MG4314PP	DN06/08	DN06/08	G1/4"	PP
1A310MG4314PV	DN06/08	DN06/08	G1/4"	PVDF
1A310MG4318PP	DN06/08	DN06/08	G1/8"	PP
1A310MG4318PV	DN06/08	DN06/08	G1/8"	PVDF
1A310MG4338PP	DN06/08	DN06/08	G3/8"	PP
1A310MG4338PV	DN06/08	DN06/08	G3/8"	PVDF
1A310MG434012PV	DN06/08	DN04/06	G1/2"	PVDF
1A310MG434018PV	DN06/08	DN04/06	G1/8"	PVDF
1A310MG4412PP	DN06/10	DN06/10	G1/2"	PP
1A310MG4412PV	DN06/10	DN06/10	G1/2"	PVDF
1A310MG4414PP	DN06/10	DN06/10	G1/4"	PP
1A310MG4414PV	DN06/10	DN06/10	G1/4"	PVDF
1A310MG4418PP	DN06/10	DN06/10	G1/8"	PP
1A310MG4418PV	DN06/10	DN06/10	G1/8"	PVDF
1A310MG4438PP	DN06/10	DN06/10	G3/8"	PP
1A310MG4438PV	DN06/10	DN06/10	G3/8"	PVDF
1A310MG4512PP	DN08/10	DN08/10	G1/2"	PP
1A310MG4512PPEP	DN08/10	DN08/10	G1/2"	PP/EPDM
1A310MG4512PV	DN08/10	DN08/10	G1/2"	PVDF
1A310MG4514PP	DN08/10	DN08/10	G1/4"	PP
1A310MG4514PV	DN08/10	DN08/10	G1/4"	PVDF
1A310MG4514PVFP	DN08/10	DN08/10	G1/4"	PVDF/FPM
1A310MG4518PP	DN08/10	DN08/10	G1/8"	PP
1A310MG4518PV	DN08/10	DN08/10	G1/8"	PVDF
1A310MG4538PP	DN08/10	DN08/10	G3/8"	PP
1A310MG4538PV	DN08/10	DN08/10	G3/8"	PVDF
1A310MG454012PP	DN08/10	DN04/06	G1/2"	PP
1A310MG454014PV	DN08/10	DN04/06	G1/4"	PVDF
1A310MG4612PP	DN08/12	DN08/12	G1/2"	PP
1A310MG4612PV	DN08/12	DN08/12	G1/2"	PVDF
1A310MG4614PP	DN08/12	DN08/12	G1/4"	PP
1A310MG4614PV	DN08/12	DN08/12	G1/4"	PVDF
1A310MG4618PP	DN08/12	DN08/12	G1/8"	PP
1A310MG4618PV	DN08/12	DN08/12	G1/8"	PVDF
1A310MG4638PP	DN08/12	DN08/12	G3/8"	PP
1A310MG4638PV	DN08/12	DN08/12	G3/8"	PVDF
1A310MG4712PP	DN09/12	DN09/12	G1/2"	PP
1A310MG4812PP	DN10/12	DN10/12	G1/2"	PP

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Article-Nr	Connection A	Connection B	Connection C	Material
1A310MG4812PV	DN10/12	DN10/12	G1/2"	PVDF
1A310MG4814PP	DN10/12	DN10/12	G1/4"	PP
1A310MG4814PV	DN10/12	DN10/12	G1/4"	PVDF
1A310MG4818PP	DN10/12	DN10/12	G1/8"	PP
1A310MG4818PV	DN10/12	DN10/12	G1/8"	PVDF
1A310MG4838PP	DN10/12	DN10/12	G3/8"	PP
1A310MG4838PPFP	DN10/12	DN10/12	G3/8"	PP/FPM
1A310MG4838PV	DN10/12	DN10/12	G3/8"	PVDF
1A310MG4912PP	DN10/14	DN10/14	G1/2"	PP
1A310MG4912PV	DN10/14	DN10/14	G1/2"	PVDF
1A310MG4914PP	DN10/14	DN10/14	G1/4"	PP
1A310MG4914PV	DN10/14	DN10/14	G1/4"	PVDF
1A310MG4938PP	DN10/14	DN10/14	G3/8"	PP
1A310MG4938PV	DN10/14	DN10/14	G3/8"	PVDF
1A310MG5112PP	DN12/14	DN12/14	G1/2"	PP
1A310MG5112PV	DN12/14	DN12/14	G1/2"	PVDF
1A310MG5114PP	DN12/14	DN12/14	G1/4"	PP
1A310MG5114PV	DN12/14	DN12/14	G1/4"	PVDF
1A310MG5138PP	DN12/14	DN12/14	G3/8"	PP
1A310MG5138PV	DN12/14	DN12/14	G3/8"	PVDF
1A310MG5212PP	DN12/16	DN12/16	G1/2"	PP
1A310MG5212PV	DN12/16	DN12/16	G1/2"	PVDF
1A310MG5214PP	DN12/16	DN12/16	G1/4"	PP
1A310MG5214PV	DN12/16	DN12/16	G1/4"	PVDF
1A310MG5238PP	DN12/16	DN12/16	G3/8"	PP
1A310MG5238PV	DN12/16	DN12/16	G3/8"	PVDF
1A310MG5312PV	DN14/16	DN14/16	G1/2"	PVDF
1A310MG534812PV	DN14/16	DN10/12	G1/2"	PVDF
1A310MG5538PV	DN16/18	DN16/18	G3/8"	PVDF
1A310MG5612PV	DN16/20	DN16/20	G1/2"	PVDF
1A310MG5634PV	DN16/20	DN16/20	G3/4"	PVDF

Dimensions 1A310MG... , 1C310MG...

	A-B(DN)	C(G)	l2	L16	~L17*	ØD4
4/6		1/8"	8	12	26	12
	1/6"/1/4"					
4/6		1/4"	12	15	27	15
	1/6"/1/4"					
4/6		3/8"	12	15	29	20
	1/6"/1/4"					
4/6		1/2"	14	20	32	25
	1/6"/1/4"					
5/8	6/8	1/8"	8	12	31	15
5/8	6/8	1/4"	12	15	31	15
5/8	6/8	3/8"	12	15	33	20
5/8	6/8	1/2"	14	20	36	25
6/9		1/8"	8			
6/9		1/4"	12			
6/9		3/8"	12			
6/9		1/2"	14			
6/10	8/10	1/8"	8	18	36	20
	1/4"/3/8"					
6/10	8/10	1/4"	12	18	36	20
	1/4"/3/8"					
6/10	8/10	3/8"	12	18	36	20
	1/4"/3/8"					
6/10	8/10	1/2"	14	20	39	25
	1/4"/3/8"					
8/12	9/12 10/12	1/4"	12	20	40	20
	3/8"/1/2"					
8/12	9/12 10/12	3/8"	12	20	40	20
	3/8"/1/2"					
8/12	9/12 10/12	1/2"	14	20	43	25
	3/8"/1/2"					

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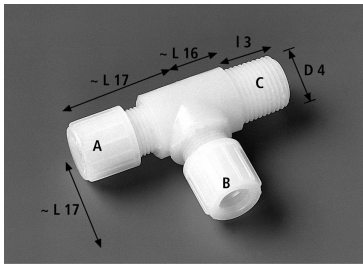
T-connector for flexible tube (Series 1A) with male G-thread, asymmetrical

1

		A-B(DN)	C(G)	I2	L16	~L17*	ØD4
8/12	9/12	10/12	3/4"	16	20	45	30
		3/8"/1/2"					
10/14	12/14		1/4"	12	22	48	25
10/14	12/14		3/8"	12	22	48	25
10/14	12/14		1/2"	14	22	48	25
10/14	12/14		3/4"	16	22	50	30
12/16	14/16		3/8"	12	23	50	25
12/16	14/16		1/2"	14	23	50	25
12/16	14/16		3/4"	16	23	52	30
14/18	16/18		1/2"	14	25	55	30
14/18	16/18		3/4"	16	25	55	30
			1/4"	12	25	57	30
		5/8"/3/4"					
			3/8"	12	25	57	30
		5/8"/3/4"					
16/20	18/20		1/2"	14	25	57	30
		5/8"/3/4"					
16/20	18/20		3/4"	16	25	57	30
		5/8"/3/4"					

\* for connections in inch add 2 mm per side

T-connector for flexible tube (Series 1A) with male NPT-thread, asymmetrical



Article-Nr	Connection A	Connection B	Connection C	Material
1A310MN0314PV	DN1/8"/1/4"	DN1/8"/1/4"	NPT1/4"	PVDF
1A310MN0514PP	DN1/6"/1/4"	DN1/6"/1/4"	NPT1/4"	PP
1A310MN0514PV	DN1/6"/1/4"	DN1/6"/1/4"	NPT1/4"	PVDF
1A310MN0518PP	DN1/6"/1/4"	DN1/6"/1/4"	NPT1/8"	PP
1A310MN0518PV	DN1/6"/1/4"	DN1/6"/1/4"	NPT1/8"	PVDF
1A310MN1114PP	DN1/4"/3/8"	DN1/4"/3/8"	NPT1/4"	PP
1A310MN1114PV	DN1/4"/3/8"	DN1/4"/3/8"	NPT1/4"	PVDF
1A310MN1118PP	DN1/4"/3/8"	DN1/4"/3/8"	NPT1/8"	PP
1A310MN1118PV	DN1/4"/3/8"	DN1/4"/3/8"	NPT1/8"	PVDF
1A310MN1512PV	DN3/8"/1/2"	DN3/8"/1/2"	NPT1/2"	PVDF
1A310MN1514PP	DN3/8"/1/2"	DN3/8"/1/2"	NPT1/4"	PP
1A310MN1514PV	DN3/8"/1/2"	DN3/8"/1/2"	NPT1/4"	PVDF
1A310MN1518PP	DN3/8"/1/2"	DN3/8"/1/2"	NPT1/8"	PP
1A310MN1518PV	DN3/8"/1/2"	DN3/8"/1/2"	NPT1/8"	PVDF
1A310MN4012PP	DN04/06	DN04/06	NPT1/2"	PP
1A310MN4012PV	DN04/06	DN04/06	NPT1/2"	PVDF
1A310MN4014PP	DN04/06	DN04/06	NPT1/4"	PP
1A310MN4014PV	DN04/06	DN04/06	NPT1/4"	PVDF
1A310MN4018PP	DN04/06	DN04/06	NPT1/8"	PP
1A310MN4018PV	DN04/06	DN04/06	NPT1/8"	PVDF
1A310MN4038PN	DN04/06	DN04/06	NPT3/8"	PP-NATUR
1A310MN4038PP	DN04/06	DN04/06	NPT3/8"	PP
1A310MN4038PV	DN04/06	DN04/06	NPT3/8"	PVDF
1A310MN404318PV	DN04/06	DN06/08	NPT1/8"	PVDF
1A310MN4312PP	DN06/08	DN06/08	NPT1/2"	PP
1A310MN4312PV	DN06/08	DN06/08	NPT1/2"	PVDF
1A310MN4314PP	DN06/08	DN06/08	NPT1/4"	PP
1A310MN4314PV	DN06/08	DN06/08	NPT1/4"	PVDF
1A310MN4318PP	DN06/08	DN06/08	NPT1/8"	PP
1A310MN4318PV	DN06/08	DN06/08	NPT1/8"	PVDF
1A310MN4338PP	DN06/08	DN06/08	NPT3/8"	PP
1A310MN4338PV	DN06/08	DN06/08	NPT3/8"	PVDF
1A310MN4412PP	DN06/10	DN06/10	NPT1/2"	PP
1A310MN4412PV	DN06/10	DN06/10	NPT1/2"	PVDF
1A310MN4414PP	DN06/10	DN06/10	NPT1/4"	PP
1A310MN4414PV	DN06/10	DN06/10	NPT1/4"	PVDF
1A310MN4418PP	DN06/10	DN06/10	NPT1/8"	PP
1A310MN4418PV	DN06/10	DN06/10	NPT1/8"	PVDF
1A310MN4438PP	DN06/10	DN06/10	NPT3/8"	PP
1A310MN4438PV	DN06/10	DN06/10	NPT3/8"	PVDF
1A310MN4512PP	DN08/10	DN08/10	NPT1/2"	PP
1A310MN4512PV	DN08/10	DN08/10	NPT1/2"	PVDF
1A310MN4514PP	DN08/10	DN08/10	NPT1/4"	PP
1A310MN4514PV	DN08/10	DN08/10	NPT1/4"	PVDF
1A310MN4518PP	DN08/10	DN08/10	NPT1/8"	PP
1A310MN4518PV	DN08/10	DN08/10	NPT1/8"	PVDF
1A310MN4538PP	DN08/10	DN08/10	NPT3/8"	PP
1A310MN4538PV	DN08/10	DN08/10	NPT3/8"	PVDF
1A310MN4612PP	DN08/12	DN08/12	NPT1/2"	PP
1A310MN4612PV	DN08/12	DN08/12	NPT1/2"	PVDF
1A310MN4614PP	DN08/12	DN08/12	NPT1/4"	PP
1A310MN4614PV	DN08/12	DN08/12	NPT1/4"	PVDF
1A310MN4618PP	DN08/12	DN08/12	NPT1/8"	PP
1A310MN4618PV	DN08/12	DN08/12	NPT1/8"	PVDF
1A310MN4638PP	DN08/12	DN08/12	NPT3/8"	PP
1A310MN4638PV	DN08/12	DN08/12	NPT3/8"	PVDF
1A310MN4812PP	DN10/12	DN10/12	NPT1/2"	PP
1A310MN4812PV	DN10/12	DN10/12	NPT1/2"	PVDF
1A310MN4814PP	DN10/12	DN10/12	NPT1/4"	PP
1A310MN4814PV	DN10/12	DN10/12	NPT1/4"	PVDF
1A310MN4818PP	DN10/12	DN10/12	NPT1/8"	PP
1A310MN4818PV	DN10/12	DN10/12	NPT1/8"	PVDF

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Article-Nr	Connection A	Connection B	Connection C	Material
1A310MN4838PP	DN10/12	DN10/12	NPT3/8"	PP
1A310MN4838PV	DN10/12	DN10/12	NPT3/8"	PVDF
1A310MN4912PP	DN10/14	DN10/14	NPT1/2"	PP
1A310MN4912PV	DN10/14	DN10/14	NPT1/2"	PVDF
1A310MN4914PP	DN10/14	DN10/14	NPT1/4"	PP
1A310MN4914PV	DN10/14	DN10/14	NPT1/4"	PVDF
1A310MN4938PP	DN10/14	DN10/14	NPT3/8"	PP
1A310MN4938PV	DN10/14	DN10/14	NPT3/8"	PVDF
1A310MN5112PP	DN12/14	DN12/14	NPT1/2"	PP
1A310MN5112PV	DN12/14	DN12/14	NPT1/2"	PVDF
1A310MN5114PP	DN12/14	DN12/14	NPT1/4"	PP
1A310MN5114PV	DN12/14	DN12/14	NPT1/4"	PVDF
1A310MN5138PP	DN12/14	DN12/14	NPT3/8"	PP
1A310MN5138PV	DN12/14	DN12/14	NPT3/8"	PVDF
1A310MN5212PP	DN12/16	DN12/16	NPT1/2"	PP
1A310MN5212PV	DN12/16	DN12/16	NPT1/2"	PVDF
1A310MN5214PP	DN12/16	DN12/16	NPT1/4"	PP
1A310MN5214PV	DN12/16	DN12/16	NPT1/4"	PVDF
1A310MN5238PP	DN12/16	DN12/16	NPT3/8"	PP
1A310MN5238PV	DN12/16	DN12/16	NPT3/8"	PVDF

Dimensions 1A310MN... ,1C310MN...

A-B(DN)			C(NPT)	I3	L16	~L17*	ØD4
4/6			1/8"	10	12	26	12
		1/6"/1/4"					
4/6			1/4"	15	15	27	15
		1/6"/1/4"					
4/6			3/8"	15.3	15	29	20
		1/6"/1/4"					
4/6			1/2"	20	20	32	25
		1/6"/1/4"					
5/8	6/8		1/8"	10	15	31	15
5/8	6/8		1/4"	15	15	31	15
5/8	6/8		3/8"	15.3	15	33	20
5/8	6/8		1/2"	20	20	36	25
6/9			1/8"	10			
6/9			1/4"	15			
6/9			3/8"	15.3			
6/9			1/2"	20			
6/10	8/10		1/8"	10	18	36	20
		1/4"/3/8"					
6/10	8/10		1/4"	15	18	36	20
		1/4"/3/8"					
6/10	8/10		3/8"	15.3	18	36	20
		1/4"/3/8"					
6/10	8/10		1/2"	20	20	39	25
		1/4"/3/8"					
8/12	9/12	10/12	1/4"	15	20	40	20
		3/8"/1/2"					
8/12	9/12	10/12	3/8"	15.3	20	40	20
		3/8"/1/2"					
8/12	9/12	10/12	1/2"	20	20	43	25
		3/8"/1/2"					
8/12	9/12	10/12	3/4"	20	20	45	30
		3/8"/1/2"					
10/14	12/14		1/4"	15	22	48	25
10/14	12/14		3/8"	15.3	22	48	25
10/14	12/14		1/2"	20	22	48	25
10/14	12/14		3/4"	20	22	50	30
12/16	14/16		3/8"	15.3	23	50	25
12/16	14/16		1/2"	20	23	50	25
12/16	14/16		3/4"	20	23	52	30
14/18	16/18		1/2"	20	25	55	30
14/18	16/18		3/4"	20	25	55	30

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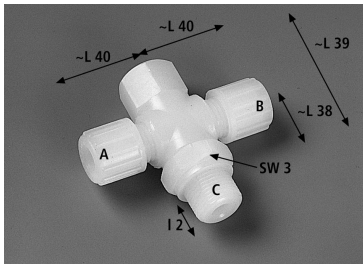
**T-connector for flexible tube (Series 1A) with male NPT-thread, asymmetrical**

A-B(DN)		C(NPT)	I3	L16	~L17*	ØD4
5/8"/3/4"		1/4"	15	25	57	30
5/8"/3/4"		3/8"	15.3	25	57	30
16/20	18/20	1/2"	20	25	57	30
16/20	18/20	3/4"	20	25	57	30
5/8"/3/4"						

\* for connections in inch add 2 mm per side

## T-swivel connector for flexible tube (Series 1A) with male G-thread

# 1



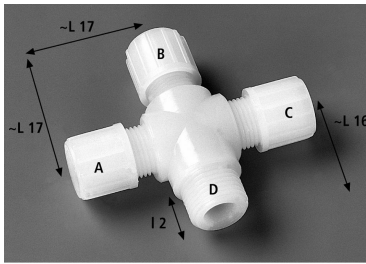
Article-Nr	Connection A	Connection B	Connection C	Material
1A350MG4014PPFP	DN04/06	DN04/06	G1/4"	PP/FPM
1A350MG4038PPFP	DN04/06	DN04/06	G3/8"	PP/FPM
1A350MG4314PPFP	DN06/08	DN06/08	G1/4"	PP
1A350MG4814PPEP	DN10/12	DN10/12	G1/4"	PP/EPDM
1A350MG4838PPFP	DN10/12	DN10/12	G3/8"	PP/FPM

### Dimensions 1A350MG... , 1C350MG...

A(DN)	B(DN)	C(G)	I2	L38	~L39	~L40	SW3
4/6	4/6	1/8"	8	19.5	44.5	29	17
		1/4"	12	20	45	29	19
		3/8"	12	20.5	45.5	29	22
6/8	6/8	1/8"	8	19.5	44.5	33	17
		1/4"	12	20	45	33	19
		1/2"	14	23	48	33	27
6/10	6/10	1/8"	8	19.5	44.5	36	17
		1/4"	12	20	45	36	19
		1/2"	14	23	48	36	27
8/10	8/10	1/8"	8	19.5	44.5	36	17
		1/4"	12	20	45	36	19
		1/2"	14	23	48	36	27
8/12	8/12	1/4"	12	20	45	40	19
		3/8"	12	20.5	45.5	40	22
		1/2"	14	23	48	40	27
10/12	10/12	1/4"	12	20	45	40	19
		3/8"	12	20.5	45.5	40	22
		1/2"	14	23	48	40	27

## Cross connector for flexible tube (Series 1A) with male G-thread

# 1



Article-Nr	Connection A	Connection B	Connection C Connection D	Material
1A400MG4012PP	DN04/06	DN04/06	DN04/06 G1/2"	PP
1A400MG4012PV	DN04/06	DN04/06	DN04/06 G1/2"	PVDF
1A400MG4014PP	DN04/06	DN04/06	DN04/06 G1/4"	PP
1A400MG4014PPFP	DN04/06	DN04/06	DN04/06 G1/4"	PP/FPM
1A400MG4014PV	DN04/06	DN04/06	DN04/06 G1/4"	PVDF
1A400MG4018PP	DN04/06	DN04/06	DN04/06 G1/8"	PP
1A400MG4018PV	DN04/06	DN04/06	DN04/06 G1/8"	PVDF
1A400MG4038PP	DN04/06	DN04/06	DN04/06 G3/8"	PP
1A400MG4038PV	DN04/06	DN04/06	DN04/06 G3/8"	PVDF
1A400MG40404314PP	DN04/06	DN04/06	DN06/08 G1/4"	PP
1A400MG4312PP	DN06/08	DN06/08	DN06/08 G1/2"	PP
1A400MG4312PV	DN06/08	DN06/08	DN06/08 G1/2"	PVDF
1A400MG4314PP	DN06/08	DN06/08	DN06/08 G1/4"	PP
1A400MG4314PV	DN06/08	DN06/08	DN06/08 G1/4"	PVDF
1A400MG4318PP	DN06/08	DN06/08	DN06/08 G1/8"	PP
1A400MG4318PV	DN06/08	DN06/08	DN06/08 G1/8"	PVDF
1A400MG4338PP	DN06/08	DN06/08	DN06/08 G3/8"	PP
1A400MG4338PV	DN06/08	DN06/08	DN06/08 G3/8"	PVDF
1A400MG4412PP	DN06/10	DN06/10	DN06/10 G1/2"	PP
1A400MG4412PV	DN06/10	DN06/10	DN06/10 G1/2"	PVDF
1A400MG4414PP	DN06/10	DN06/10	DN06/10 G1/4"	PP
1A400MG4414PV	DN06/10	DN06/10	DN06/10 G1/4"	PVDF
1A400MG4418PP	DN06/10	DN06/10	DN06/10 G1/8"	PP
1A400MG4418PV	DN06/10	DN06/10	DN06/10 G1/8"	PVDF
1A400MG4438PP	DN06/10	DN06/10	DN06/10 G3/8"	PP
1A400MG4438PV	DN06/10	DN06/10	DN06/10 G3/8"	PVDF
1A400MG4512PP	DN08/10	DN08/10	DN08/10 G1/2"	PP
1A400MG4512PV	DN08/10	DN08/10	DN08/10 G1/2"	PVDF
1A400MG4514PP	DN08/10	DN08/10	DN08/10 G1/4"	PP
1A400MG4514PV	DN08/10	DN08/10	DN08/10 G1/4"	PVDF
1A400MG4518PP	DN08/10	DN08/10	DN08/10 G1/8"	PP
1A400MG4518PV	DN08/10	DN08/10	DN08/10 G1/8"	PVDF
1A400MG4538PP	DN08/10	DN08/10	DN08/10 G3/8"	PP
1A400MG4538PV	DN08/10	DN08/10	DN08/10 G3/8"	PVDF
1A400MG4612PP	DN08/12	DN08/12	DN08/12 G1/2"	PP

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Article-Nr	Connection A	Connection B	Connection C Connection D	Material
1A400MG4612PV	DN08/12	DN08/12	DN08/12 G1/2"	PVDF
1A400MG4614PP	DN08/12	DN08/12	DN08/12 G1/4"	PP
1A400MG4614PV	DN08/12	DN08/12	DN08/12 G1/4"	PVDF
1A400MG4618PP	DN08/12	DN08/12	DN08/12 G1/8"	PP
1A400MG4618PV	DN08/12	DN08/12	DN08/12 G1/8"	PVDF
1A400MG4638PP	DN08/12	DN08/12	DN08/12 G3/8"	PP
1A400MG4638PV	DN08/12	DN08/12	DN08/12 G3/8"	PVDF
1A400MG4812PP	DN10/12	DN10/12	DN10/12 G1/2"	PP
1A400MG4812PV	DN10/12	DN10/12	DN10/12 G1/2"	PVDF
1A400MG4814PP	DN10/12	DN10/12	DN10/12 G1/4"	PP
1A400MG4814PV	DN10/12	DN10/12	DN10/12 G1/4"	PVDF
1A400MG4838PN	DN10/12	DN10/12	DN10/12 G3/8"	PP-NATUR
1A400MG4838PP	DN10/12	DN10/12	DN10/12 G3/8"	PP
1A400MG4838PV	DN10/12	DN10/12	DN10/12 G3/8"	PVDF
1A400MG4912PP	DN10/14	DN10/14	DN10/14 G1/2"	PP
1A400MG4912PV	DN10/14	DN10/14	DN10/14 G1/2"	PVDF
1A400MG4914PP	DN10/14	DN10/14	DN10/14 G1/4"	PP
1A400MG4914PV	DN10/14	DN10/14	DN10/14 G1/4"	PVDF
1A400MG4938PP	DN10/14	DN10/14	DN10/14 G3/8"	PP
1A400MG4938PV	DN10/14	DN10/14	DN10/14 G3/8"	PVDF
1A400MG5112PP	DN12/14	DN12/14	DN12/14 G1/2"	PP
1A400MG5112PV	DN12/14	DN12/14	DN12/14 G1/2"	PVDF
1A400MG5138PP	DN12/14	DN12/14	DN12/14 G3/8"	PP
1A400MG5138PV	DN12/14	DN12/14	DN12/14 G3/8"	PVDF

Dimensions 1A400MG...1C400MG...

A(DN)	B(DN)	C(DN)	D(G)	l2	~L16	~L17
4/6	4/6	4/6	1/8"	8	20	26
4/6	4/6	4/6	1/4"	12	27	29
4/6	4/6	4/6	3/8"	12	27	29
4/6	4/6	4/6	1/2"	14	34	32
6/8	6/8	6/8	1/8"	8	20	33
6/8	6/8	6/8	1/4"	12	27	33
6/8	6/8	6/8	3/8"	12	27	33
6/8	6/8	6/8	1/2"	14	34	36
6/10	6/10	6/10	1/8"	8	26	36
6/10	6/10	6/10	1/4"	12	30	36
6/10	6/10	6/10	3/8"	12	30	36
6/10	6/10	6/10	1/2"	14	34	39
8/10	8/10	8/10	1/4"	12	30	36
8/10	8/10	8/10	3/8"	12	30	36
8/10	8/10	8/10	1/2"	14	34	39
8/12	8/12	8/12	1/4"	12	32	40

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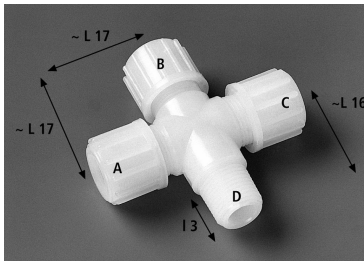
## Cross connector for flexible tube (Series 1A) with male G-thread

# 1

A(DN)	B(DN)	C(DN)	D(G)	l2	~L16	~L17
8/12	8/12	8/12	3/8"	12	32	40
8/12	8/12	8/12	1/2"	14	34	43
10/12	10/12	10/12	1/4"	12	32	40
10/12	10/12	10/12	3/8"	12	32	40
10/12	10/12	10/12	1/2"	14	34	43
10/14	10/14	10/14	3/8"	12	34	48
10/14	10/14	10/14	1/2"	14	36	48
12/14	12/14	12/14	3/8"	12	34	48
12/14	12/14	12/14	1/2"	14	36	48

## Cross connector for flexible tube (Series 1A) with male NPT-thread

# 1



Article-Nr	Connection A	Connection B	Connection C Connection D	Material
1A400MN4012PP	DN04/06, DN04/06	DN04/06	NPT1/2"	PP
1A400MN4012PV	DN04/06, DN04/06	DN04/06	NPT1/2"	PVDF
1A400MN4014PP	DN04/06, DN04/06	DN04/06	NPT1/4"	PP
1A400MN4014PV	DN04/06, DN04/06	DN04/06	NPT1/4"	PVDF
1A400MN4018PP	DN04/06, DN04/06	DN04/06	NPT1/8"	PP
1A400MN4018PV	DN04/06, DN04/06	DN04/06	NPT1/8"	PVDF
1A400MN4038PP	DN04/06, DN04/06	DN04/06	NPT3/8"	PP
1A400MN4038PV	DN04/06, DN04/06	DN04/06	NPT3/8"	PVDF
1A400MN4312PP	DN06/08	DN06/08	DN06/08 NPT1/2"	PP
1A400MN4312PV	DN06/08	DN06/08	DN06/08 NPT1/2"	PVDF
1A400MN4314PP	DN06/08	DN06/08	DN06/08 NPT1/4"	PP
1A400MN4314PV	DN06/08	DN06/08	DN06/08 NPT1/4"	PVDF
1A400MN4318PP	DN06/08	DN06/08	DN06/08 NPT1/8"	PP
1A400MN4318PV	DN06/08	DN06/08	DN06/08 NPT1/8"	PVDF
1A400MN4338PP	DN06/08	DN06/08	DN06/08 NPT3/8"	PP
1A400MN4338PV	DN06/08	DN06/08	DN06/08 NPT3/8"	PVDF
1A400MN4412PP	DN06/10	DN06/10	DN06/10 NPT1/2"	PP
1A400MN4412PV	DN06/10	DN06/10	DN06/10 NPT1/2"	PVDF
1A400MN4414PP	DN06/10	DN06/10	DN06/10 NPT1/4"	PP
1A400MN4414PV	DN06/10	DN06/10	DN06/10 NPT1/4"	PVDF
1A400MN4418PP	DN06/10	DN06/10	DN06/10 NPT1/8"	PP
1A400MN4418PV	DN06/10	DN06/10	DN06/10 NPT1/8"	PVDF
1A400MN4438PP	DN06/10	DN06/10	DN06/10 NPT3/8"	PP
1A400MN4438PV	DN06/10	DN06/10	DN06/10 NPT3/8"	PVDF
1A400MN4512PP	DN08/10	DN08/10	DN08/10 NPT1/2"	PP
1A400MN4512PV	DN08/10	DN08/10	DN08/10 NPT1/2"	PVDF
1A400MN4514PP	DN08/10	DN08/10	DN08/10 NPT1/4"	PP
1A400MN4514PV	DN08/10	DN08/10	DN08/10 NPT1/4"	PVDF
1A400MN4518PP	DN08/10	DN08/10	DN08/10 NPT1/8"	PP
1A400MN4518PV	DN08/10	DN08/10	DN08/10 NPT1/8"	PVDF
1A400MN4538PP	DN08/10	DN08/10	DN08/10 NPT3/8"	PP
1A400MN4538PV	DN08/10	DN08/10	DN08/10 NPT3/8"	PVDF
1A400MN4612PP	DN08/12	DN08/12	DN08/12 NPT1/2"	PP
1A400MN4612PV	DN08/12	DN08/12	DN08/12 NPT1/2"	PVDF
1A400MN4614PP	DN08/12	DN08/12	DN08/12 NPT1/4"	PP
1A400MN4614PV	DN08/12	DN08/12	DN08/12 NPT1/4"	PVDF
1A400MN4618PP	DN08/12	DN08/12	DN08/12 NPT1/8"	PP
1A400MN4618PV	DN08/12	DN08/12	DN08/12 NPT1/8"	PVDF

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Article-Nr	Connection A	Connection B	Connection C Connection D	Material
1A400MN4638PP	DN08/12	DN08/12	DN08/12 NPT3/8"	PP
1A400MN4638PV	DN08/12	DN08/12	DN08/12 NPT3/8"	PVDF
1A400MN4812PP	DN10/12	DN10/12	DN10/12 NPT1/2"	PP
1A400MN4812PV	DN10/12	DN10/12	DN10/12 NPT1/2"	PVDF
1A400MN4814PP	DN10/12	DN10/12	DN10/12 NPT1/4"	PP
1A400MN4814PV	DN10/12	DN10/12	DN10/12 NPT1/4"	PVDF
1A400MN4838PP	DN10/12	DN10/12	DN10/12 NPT3/8"	PP
1A400MN4838PV	DN10/12	DN10/12	DN10/12 NPT3/8"	PVDF
1A400MN4912PP	DN10/14	DN10/14	DN10/14 NPT1/2"	PP
1A400MN4912PV	DN10/14	DN10/14	DN10/14 NPT1/2"	PVDF
1A400MN4914PP	DN10/14	DN10/14	DN10/14 NPT1/4"	PP
1A400MN4914PV	DN10/14	DN10/14	DN10/14 NPT1/4"	PVDF
1A400MN4938PP	DN10/14	DN10/14	DN10/14 NPT3/8"	PP
1A400MN4938PV	DN10/14	DN10/14	DN10/14 NPT3/8"	PVDF
1A400MN5112PP	DN12/14	DN12/14	DN12/14 NPT1/2"	PP
1A400MN5112PV	DN12/14	DN12/14	DN12/14 NPT1/2"	PVDF
1A400MN5138PP	DN12/14	DN12/14	DN12/14 NPT3/8"	PP
1A400MN5138PV	DN12/14	DN12/14	DN12/14 NPT3/8"	PVDF

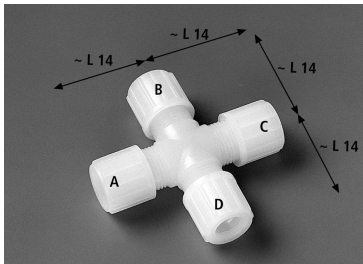
Dimensions 1A400MN... , 1C400MN...

A(DN)	B(DN)	C(DN)	D(NPT)	l3	~L16	~L17
4/6	4/6	4/6	1/8"	10	22	26
4/6	4/6	4/6	1/4"	15	30	29
4/6	4/6	4/6	3/8"	15,3	30	29
4/6	4/6	4/6	1/2"	20	40	32
6/8	6/8	6/8	1/8"	10	25	33
6/8	6/8	6/8	1/4"	15	30	33
6/8	6/8	6/8	3/8"	15,3	30	33
6/8	6/8	6/8	1/2"	20	40	36
6/10	6/10	6/10	1/8"	10	28	36
6/10	6/10	6/10	1/4"	15	33	36
6/10	6/10	6/10	3/8"	15,3	33	36
6/10	6/10	6/10	1/2"	20	40	39
8/10	8/10	8/10	1/4"	15	33	36
8/10	8/10	8/10	3/8"	15,3	33	36
8/10	8/10	8/10	1/2"	20	40	39
8/12	8/12	8/12	1/4"	15	35	40
8/12	8/12	8/12	3/8"	15,3	35	40
8/12	8/12	8/12	1/2"	20	40	43
10/12	10/12	10/12	1/4"	15	35	40
10/12	10/12	10/12	3/8"	15,3	35	40
10/12	10/12	10/12	1/2"	20	40	43
10/14	10/14	10/14	3/8"	15,3	37	48
10/14	10/14	10/14	1/2"	20	42	48
12/14	12/14	12/14	3/8"	15,3	37	48
12/14	12/14	12/14	1/2"	20	42	48



## Cross union for flexible tube on all ends (Series 1A)

# 1



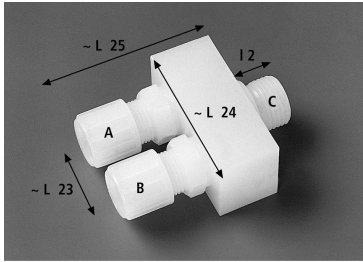
Article-Nr	Connection A	Connection B	Connection C Connection D	Material
1A400T0610PV	DN1/4"	DN1/4"	DN1/4" DN1/4"	PVDF
1A400T1103PP	DN3/8"	DN3/8"	DN1/4" DN1/4"	PP
1A400T11PP	DN3/8"	DN3/8"	DN3/8" DN3/8"	PP
1A400T1511PP	DN1/2"	DN1/2"	DN3/8" DN3/8"	PP
1A400T15PP	DN1/2"	DN1/2"	DN1/2" DN1/2"	PP
1A400T40PP	DN04/06	DN04/06	DN04/06 DN04/06	PP
1A400T40PV	DN04/06	DN04/06	DN04/06 DN04/06	PVDF
1A400T43434040PV	DN06/08	DN06/08	DN04/06 DN04/06	PVDF
1A400T43PP	DN06/08	DN06/08	DN06/08 DN06/08	PP
1A400T43PV	DN06/08	DN06/08	DN06/08 DN06/08	PVDF
1A400T44PP	DN06/10	DN06/10	DN06/10 DN06/10	PP
1A400T44PV	DN06/10	DN06/10	DN06/10 DN06/10	PVDF
1A400T45434543PN	DN08/10	DN06/08	DN08/10 DN06/08	PP-NATUR
1A400T45PP	DN08/10	DN08/10	DN08/10 DN08/10	PP
1A400T45PV	DN08/10	DN08/10	DN08/10 DN08/10	PVDF
1A400T46PP	DN08/12	DN08/12	DN08/12 DN08/12	PP
1A400T46PV	DN08/12	DN08/12	DN08/12 DN08/12	PVDF
1A400T48454845PP	DN10/12	DN08/10	DN10/12 DN08/10	PP
1A400T48PP	DN10/12	DN10/12	DN10/12 DN10/12	PP
1A400T48PV	DN10/12	DN10/12	DN10/12 DN10/12	PVDF
1A400T49PP	DN10/14	DN10/14	DN10/14 DN10/14	PP
1A400T49PV	DN10/14	DN10/14	DN10/14 DN10/14	PVDF
1A400T51PP	DN12/14	DN12/14	DN12/14 DN12/14	PP
1A400T51PV	DN12/14	DN12/14	DN12/14 DN12/14	PVDF
1A400T52PP	DN12/16	DN12/16	DN12/16 DN12/16	PP
1A400T52PV	DN12/16	DN12/16	DN12/16 DN12/16	PVDF
1A400T53PP	DN14/16	DN14/16	DN14/16 DN14/16	PP
1A400T53PV	DN14/16	DN14/16	DN14/16 DN14/16	PVDF

### Dimensions 1A400T... , 1C400T...

A(DN)	B(DN)	C(DN)	D(DN)	~L14
4/6	4/6	4/6	4/6	25
6/8	6/8	6/8	6/8	33
6/10	6/10	6/10	6/10	36
8/10	8/10	8/10	8/10	36
8/12	8/12	8/12	8/12	43
10/12	10/12	10/12	10/12	43
10/14	10/14	10/14	10/14	48
12/14	12/14	12/14	12/14	48

## Fork connector for flexible tube (Series 1A) with male G-thread

# 1



Article-Nr	Connection A	Connection B	Connection C	Material
1A500MG4012PP	DN04/06	DN04/06	G1/2"	PP
1A500MG4012PV	DN04/06	DN04/06	G1/2"	PVDF
1A500MG4014PP	DN04/06	DN04/06	G1/4"	PP
1A500MG4014PV	DN04/06	DN04/06	G1/4"	PVDF
1A500MG4018PP	DN04/06	DN04/06	G1/8"	PP
1A500MG4018PV	DN04/06	DN04/06	G1/8"	PVDF
1A500MG4038PP	DN04/06	DN04/06	G3/8"	PP
1A500MG4038PV	DN04/06	DN04/06	G3/8"	PVDF
1A500MG4212PV	DN05/08	DN05/08	G1/2"	PVDF
1A500MG4312PP	DN06/08	DN06/08	G1/2"	PP
1A500MG4312PPEP	DN06/08	DN06/08	G1/2"	PP/EPDM
1A500MG4312PV	DN06/08	DN06/08	G1/2"	PVDF
1A500MG4314PP	DN06/08	DN06/08	G1/4"	PP
1A500MG4314PV	DN06/08	DN06/08	G1/4"	PVDF
1A500MG4318PP	DN06/08	DN06/08	G1/8"	PP
1A500MG4318PV	DN06/08	DN06/08	G1/8"	PVDF
1A500MG4338PP	DN06/08	DN06/08	G3/8"	PP
1A500MG4338PV	DN06/08	DN06/08	G3/8"	PVDF
1A500MG4412PP	DN06/10	DN06/10	G1/2"	PP
1A500MG4412PV	DN06/10	DN06/10	G1/2"	PVDF
1A500MG4414PAEP	DN06/10	DN06/10	G1/4"	PA/EPDM
1A500MG4414PP	DN06/10	DN06/10	G1/4"	PP
1A500MG4414PV	DN06/10	DN06/10	G1/4"	PVDF
1A500MG4418PP	DN06/10	DN06/10	G1/8"	PP
1A500MG4418PV	DN06/10	DN06/10	G1/8"	PVDF
1A500MG4438PP	DN06/10	DN06/10	G3/8"	PP
1A500MG4438PV	DN06/10	DN06/10	G3/8"	PVDF
1A500MG4512PP	DN08/10	DN08/10	G1/2"	PP
1A500MG4512PV	DN08/10	DN08/10	G1/2"	PVDF
1A500MG4514PP	DN08/10	DN08/10	G1/4"	PP
1A500MG4514PV	DN08/10	DN08/10	G1/4"	PVDF
1A500MG4518PP	DN08/10	DN08/10	G1/8"	PP
1A500MG4518PV	DN08/10	DN08/10	G1/8"	PVDF
1A500MG4538PP	DN08/10	DN08/10	G3/8"	PP
1A500MG4538PV	DN08/10	DN08/10	G3/8"	PVDF
1A500MG4612PP	DN08/12	DN08/12	G1/2"	PP
1A500MG4612PV	DN08/12	DN08/12	G1/2"	PVDF
1A500MG4614PP	DN08/12	DN08/12	G1/4"	PP
1A500MG4614PV	DN08/12	DN08/12	G1/4"	PVDF
1A500MG4638PP	DN08/12	DN08/12	G3/8"	PP
1A500MG4638PV	DN08/12	DN08/12	G3/8"	PVDF
1A500MG4712PV	DN09/12	DN09/12	G1/2"	PVDF
1A500MG4812PP	DN10/12	DN10/12	G1/2"	PP
1A500MG4812PV	DN10/12	DN10/12	G1/2"	PVDF
1A500MG4814PP	DN10/12	DN10/12	G1/4"	PP
1A500MG4814PV	DN10/12	DN10/12	G1/4"	PVDF
1A500MG4838PP	DN10/12	DN10/12	G3/8"	PP
1A500MG4838PV	DN10/12	DN10/12	G3/8"	PVDF
1A500MG4912PP	DN10/14	DN10/14	G1/2"	PP
1A500MG4912PV	DN10/14	DN10/14	G1/2"	PVDF
1A500MG4914PP	DN10/14	DN10/14	G1/4"	PP
1A500MG4938PP	DN10/14	DN10/14	G3/8"	PP
1A500MG4938PV	DN10/14	DN10/14	G3/8"	PVDF
1A500MG5112PP	DN12/14	DN12/14	G1/2"	PP
1A500MG5112PV	DN12/14	DN12/14	G1/2"	PVDF
1A500MG5138PP	DN12/14	DN12/14	G3/8"	PP
1A500MG5138PV	DN12/14	DN12/14	G3/8"	PVDF
1A500MG5214PP	DN12/16	DN12/16	G1/4"	PP

### Dimensions 1A500MG . . . , 1C500MG . . .

A-B(DN)	C(G)	l2	L23	~L24	~L25
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## Fork connector for flexible tube (Series 1A) with male G-thread

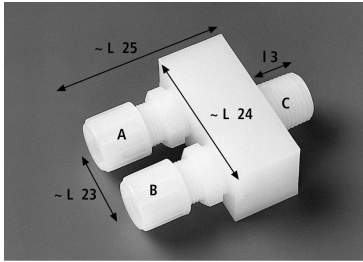
# 1

A-B(DN)		C(G)	l2	L23	~L24	~L25
4/6	1/6"/1/4"	1/8"	8	20	40	43
4/6	1/6"/1/4"	1/4"	12	20	40	43
4/6	1/6"/1/4"	3/8"	12	20	40	43
4/6	1/6"/1/4"	1/2"	14	20	40	43
6/8		1/8"	8	25	50	54.5
6/8		1/4"	12	25	50	54.5
6/8		3/8"	12	25	50	54.5
6/8		1/2"	14	25	50	54.5
6/10	8/10 1/4"/3/8"	1/4"	12	25	50	58.5
6/10	8/10 1/4"/3/8"	3/8"	12	25	50	58.5
6/10	8/10 1/4"/3/8"	1/2"	14	25	50	58.5
8/12	10/12 3/8"/1/2"	1/4"	12	28	63	63
8/12	10/12 3/8"/1/2"	3/8"	12	28	63	63
8/12	10/12 3/8"/1/2"	1/2"	14	28	63	63
10/14	12/14	1/4"	12	32	65	72
10/14	12/14	3/8"	12	32	65	72
10/14	12/14	1/2"	14	32	65	72

\* for connections in inch add 2 mm per side

# Fork connector for flexible tube (Series 1A) with male NPT-thread

# 1



Article-Nr	Connection A	Connection B	Connection C	Material
1A500MN0512PP	DN1/6"/1/4"	DN1/6"/1/4"	NPT1/2"	PP
1A500MN4012PP	DN04/06	DN04/06	NPT1/2"	PP
1A500MN4012PV	DN04/06	DN04/06	NPT1/2"	PVDF
1A500MN4014PP	DN04/06	DN04/06	NPT1/4"	PP
1A500MN4014PV	DN04/06	DN04/06	NPT1/4"	PVDF
1A500MN4018PP	DN04/06	DN04/06	NPT1/8"	PP
1A500MN4018PV	DN04/06	DN04/06	NPT1/8"	PVDF
1A500MN4038PP	DN04/06	DN04/06	NPT3/8"	PP
1A500MN4038PV	DN04/06	DN04/06	NPT3/8"	PVDF
1A500MN4312PP	DN06/08	DN06/08	NPT1/2"	PP
1A500MN4312PV	DN06/08	DN06/08	NPT1/2"	PVDF
1A500MN4314PP	DN06/08	DN06/08	NPT1/4"	PP
1A500MN4314PV	DN06/08	DN06/08	NPT1/4"	PVDF
1A500MN4318PP	DN06/08	DN06/08	NPT1/8"	PP
1A500MN4318PV	DN06/08	DN06/08	NPT1/8"	PVDF
1A500MN4338PP	DN06/08	DN06/08	NPT3/8"	PP
1A500MN4338PV	DN06/08	DN06/08	NPT3/8"	PVDF
1A500MN4412PP	DN06/10	DN06/10	NPT1/2"	PP
1A500MN4412PV	DN06/10	DN06/10	NPT1/2"	PVDF
1A500MN4418PP	DN06/10	DN06/10	NPT1/8"	PP
1A500MN4418PV	DN06/10	DN06/10	NPT1/8"	PVDF
1A500MN4438PP	DN06/10	DN06/10	NPT3/8"	PP
1A500MN4438PV	DN06/10	DN06/10	NPT3/8"	PVDF
1A500MN4512PP	DN08/10	DN08/10	NPT1/2"	PP
1A500MN4512PV	DN08/10	DN08/10	NPT1/2"	PVDF
1A500MN4514PP	DN08/10	DN08/10	NPT1/4"	PP
1A500MN4514PV	DN08/10	DN08/10	NPT1/4"	PVDF
1A500MN4518PP	DN08/10	DN08/10	NPT1/8"	PP
1A500MN4518PV	DN08/10	DN08/10	NPT1/8"	PVDF
1A500MN4538PP	DN08/10	DN08/10	NPT3/8"	PP
1A500MN4538PV	DN08/10	DN08/10	NPT3/8"	PVDF
1A500MN4612PP	DN08/12	DN08/12	NPT1/2"	PP
1A500MN4612PV	DN08/12	DN08/12	NPT1/2"	PVDF
1A500MN4614PP	DN08/12	DN08/12	NPT1/4"	PP
1A500MN4614PV	DN08/12	DN08/12	NPT1/4"	PVDF
1A500MN4638PP	DN08/12	DN08/12	NPT3/8"	PP
1A500MN4638PV	DN08/12	DN08/12	NPT3/8"	PVDF
1A500MN4812PP	DN10/12	DN10/12	NPT1/2"	PP
1A500MN4812PV	DN10/12	DN10/12	NPT1/2"	PVDF
1A500MN4814PP	DN10/12	DN10/12	NPT1/4"	PP
1A500MN4814PV	DN10/12	DN10/12	NPT1/4"	PVDF
1A500MN4838PP	DN10/12	DN10/12	NPT3/8"	PP
1A500MN4838PV	DN10/12	DN10/12	NPT3/8"	PVDF

### Dimensions 1A500MN... , 1C500MN...

A-B(DN)		C(NPT)	l3	L23	L24	~L25*
4/6	1/6"/1/4"	1/8"	10	20	40	43
4/6	1/6"/1/4"	1/4"	15	20	40	43
4/6	1/6"/1/4"	3/8"	15.3	20	40	43
4/6	1/6"/1/4"	1/2"	20	20	40	43
6/8		1/8"	10	25	50	54.5
6/8		1/4"	15	25	50	54.5
6/8		3/8"	15.3	25	50	54.5
6/8		1/2"	20	25	50	54.5
6/10		1/8"	10	25	50	58.5
6/10	8/10	1/4"/3/8"	15	25	50	58.5
6/10	8/10	1/4"/3/8"	15.3	25	50	58.5
6/10	8/10	1/4"/3/8"	20	25	50	58.5
8/12	10/12	3/8"/1/2"	15	28	63	63
8/12	10/12	3/8"/1/2"	15.3	28	63	63
8/12	10/12	3/8"/1/2"	20	28	65	63

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## Fork connector for flexible tube (Series 1A) with male NPT-thread

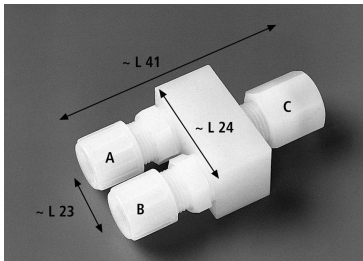
# 1

	A-B(DN)	C(NPT)	l3	L23	L24	~L25*
10/14	12/14	1/4"	15	32	65	72
10/14	12/14	3/8"	15.3	32	65	72
10/14	12/14	1/2"	20	32	65	72

\* for connections in inch add 2 mm per side

## Fork union for flexible tube (Series 1A) with connection for pipe (Series 2N)

# 1



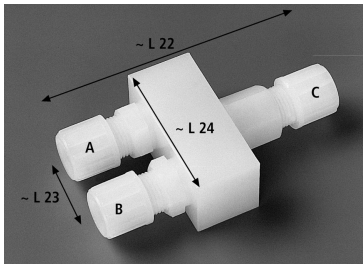
Article-Nr	Connection A	Connection B	Connection C	Material
1A500P40PP	DN04/06	DN04/06	D06	PP
1A500P40PV	DN04/06	DN04/06	D06	PVDF
1A500P4345PP	DN06/08	DN06/08	D10	PP
1A500P43PP	DN06/08	DN06/08	D08	PP
1A500P43PV	DN06/08	DN06/08	D08	PVDF
1A500P44PP	DN06/10	DN06/10	D10	PP
1A500P4657PV	DN08/12	DN08/12	D20	PVDF
1A500P48PP	DN10/12	DN10/12	D12	PP
1A500P4945PP	DN10/14	DN10/14	D10	PP
1A500P51PP	DN12/14	DN12/14	D14	PP

### Dimensions 1A500P... , 1C500P...

	A-B(DN)	C(D)	L23	L24	~L41
4/6		6	20	35	68.5
6/8		8	25	45	81
6/10	8/10	10	25	45	88
8/12	10/12	12	28	53	95.5
10/14	12/14	14	30	55	103.5

## Fork union for flexible tube on all ends (Series 1A)

# 1



Article-Nr	Connection A	Connection B	Connection C	Material
1A500T05PP	DN1/6"/1/4"	DN1/6"/1/4"	DN1/6"/1/4"	PP
1A500T05PV	DN1/6"/1/4"	DN1/6"/1/4"	DN1/6"/1/4"	PVDF
1A500T404043PP	DN04/06	DN04/06	DN06/08	PP
1A500T404043PV	DN04/06	DN04/06	DN06/08	PVDF
1A500T404045PP	DN04/06	DN04/06	DN08/10	PP
1A500T404046PV	DN04/06	DN04/06	DN08/12	PVDF
1A500T404048PV	DN04/06	DN04/06	DN10/12	PVDF
1A500T4043PV	DN04/06	DN04/06	DN06/08	PVDF
1A500T40PP	DN04/06	DN04/06	DN04/06	PP
1A500T40PV	DN04/06	DN04/06	DN04/06	PVDF
1A500T434040PP	DN06/08	DN04/06	DN04/06	PP
1A500T434040PV	DN06/08	DN04/06	DN04/06	PVDF
1A500T434340PP	DN06/08	DN06/08	DN04/06	PP
1A500T434345PP	DN06/08	DN06/08	DN08/10	PP
1A500T434345PV	DN06/08	DN06/08	DN08/10	PVDF
1A500T43PP	DN06/08	DN06/08	DN06/08	PP
1A500T43PV	DN06/08	DN06/08	DN06/08	PVDF
1A500T44PP	DN06/10	DN06/10	DN06/10	PP
1A500T44PV	DN06/10	DN06/10	DN06/10	PVDF
1A500T454540PP	DN08/10	DN08/10	DN04/06	PP
1A500T45PP	DN08/10	DN08/10	DN08/10	PP
1A500T45PV	DN08/10	DN08/10	DN08/10	PVDF
1A500T464649PP	DN08/12	DN08/12	DN10/14	PP
1A500T46PP	DN08/12	DN08/12	DN08/12	PP
1A500T46PV	DN08/12	DN08/12	DN08/12	PVDF
1A500T48PP	DN10/12	DN10/12	DN10/12	PP
1A500T48PV	DN10/12	DN10/12	DN10/12	PVDF
1A500T49PP	DN10/14	DN10/14	DN10/14	PP
1A500T49PV	DN10/14	DN10/14	DN10/14	PVDF
1A500T51PP	DN12/14	DN12/14	DN12/14	PP
1A500T51PV	DN12/14	DN12/14	DN12/14	PVDF
1A500T555551PV	DN16/18	DN16/18	DN12/14	PVDF

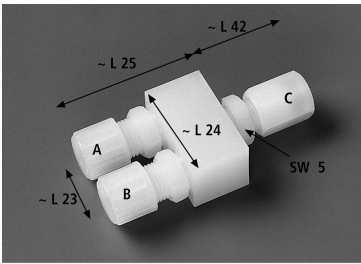
### Dimensions 1A500T... , 1C500T...

A-B-C(DN)	~L22	L23	L24	
4/6	1/6"-1/4"	65.5	20	40
6/8		82	25	50
6/10	8/10	89	25	50
8/12	10/12	98	28	63
10/14	12/14	112	32	65

\* for connections in inch add 2 mm per side

## Fork bulkhead connector for flexible tube (Series 1A) with connection for pipe (Series 2N)

# 1



Article-Nr	Connection A	Connection B	Connection C	Material
1A501P40PP	DN04/06	DN04/06	D06	PP
1A501P40PV	DN04/06	DN04/06	D06	PVDF
1A501P43PP	DN06/08	DN06/08	D08	PP
1A501P45PP	DN08/10	DN08/10	D10	PP

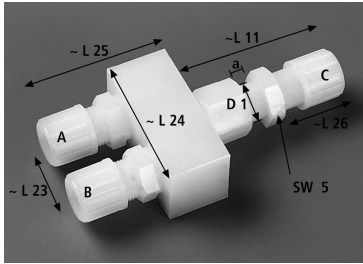
### Dimensions 1A501P... , 1C501P...

A(DN)	B(DN)	C(D)	L23	L24	~L25	~L42	SW5
4/6	4/6	6	20	40	43	42	17
6/8	6/8	8	25	50	54.5	42	19
8/10	8/10	10	25	50	58.5	47	22
8/12	8/12	12	28	63	63	53	24
10/12	10/12	12	28	63	63	53	24
10/14	10/14	14	32	65	72	57	27
12/14	12/14	14	32	65	72	57	27



## Fork bulkhead union for flexible tube on all ends (Series 1A)

# 1



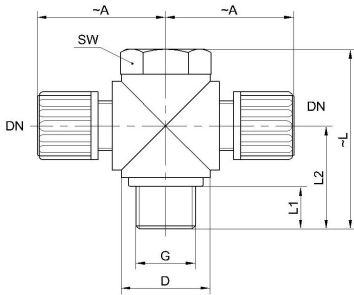
Article-Nr	Connection A	Connection B	Connection C	Material
1A501T404043PP	DN04/06	DN04/06	DN06/08	PP
1A501T40PP	DN04/06	DN04/06	DN04/06	PP
1A501T40PV	DN04/06	DN04/06	DN04/06	PVDF
1A501T42PP	DN05/08	DN05/08	DN05/08	PP
1A501T434040PP	DN06/08	DN04/06	DN04/06	PP
1A501T43PP	DN06/08	DN06/08	DN06/08	PP
1A501T43PV	DN06/08	DN06/08	DN06/08	PVDF
1A501T44PP	DN06/10	DN06/10	DN06/10	PP
1A501T44PV	DN06/10	DN06/10	DN06/10	PVDF
1A501T45PP	DN08/10	DN08/10	DN08/10	PP
1A501T45PV	DN08/10	DN08/10	DN08/10	PVDF
1A501T46PP	DN08/12	DN08/12	DN08/12	PP
1A501T46PV	DN08/12	DN08/12	DN08/12	PVDF
1A501T47PP	DN09/12	DN09/12	DN09/12	PP
1A501T48PP	DN10/12	DN10/12	DN10/12	PP
1A501T48PV	DN10/12	DN10/12	DN10/12	PVDF
1A501T49PP	DN10/14	DN10/14	DN10/14	PP
1A501T49PV	DN10/14	DN10/14	DN10/14	PVDF
1A501T51PP	DN12/14	DN12/14	DN12/14	PP
1A501T53PP	DN14/16	DN14/16	DN14/16	PP

### Dimensions 1A501T... , 1C501T...

A(DN)	B(DN)	C(DN)	~L11	L23	~L24	~L25	~L26	SW 5	ØD1	a
4/6	4/6	4/6	45	20	40	43	17	14	10.5	9
6/8	6/8	6/8	51	25	50	54.5	21	19	14.5	9
6/10	6/10	6/10	56	25	50	58.5	24	22	16.5	10
8/10	8/10	8/10	56	25	50	58.5	24	22	16.5	10
8/12	8/12	8/12	68	28	63	63	28	24	18.5	12
10/12			68	28	63	63	28	24	18.5	12
	10/12	10/12								
10/14			76	32	65	72	33	27	20.5	14
	10/14	10/14								
12/14			76	32	65	72	33	27	20.5	14
	12/14	12/14								

## T-swivel connector (COMPACT) for flexible tube (Series 1A) with male G-thread

# 1



Article-Nr	Connection A	Connection B	Connection C	Material
1A370MG4014PPEP	DN04/06	DN04/06	G1/4"	PP/EPDM
1A370MG4014PVFP	DN04/06	DN04/06	G1/4"	PVDF/FPM
1A370MG4812PPFP	DN10/12	DN10/12	G1/2"	PP/FPM
1A370MG4812PVFP	DN10/12	DN10/12	G1/2"	PVDF/FPM

Technical data 1A270... , 1C270... , 1A370... , 1C370...

Pressure stage	PN 10
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Materials 1A270... , 1C270... , 1A370... , 1C370...

Body	PP	PVDF
Banjo screw	PP	PVDF
O-ring*	FPM	FPM