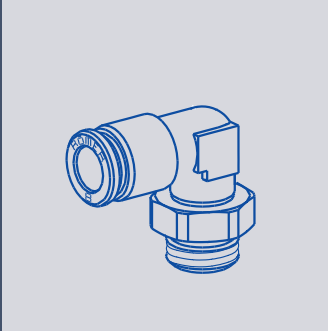
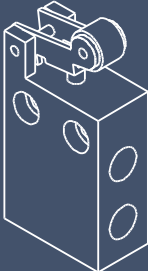


Fittings



2008

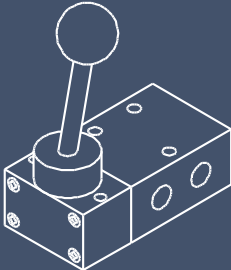
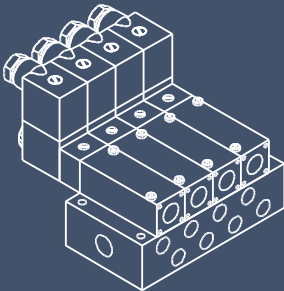
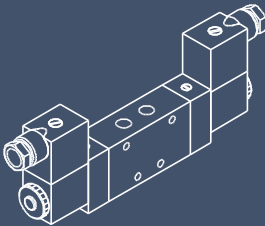


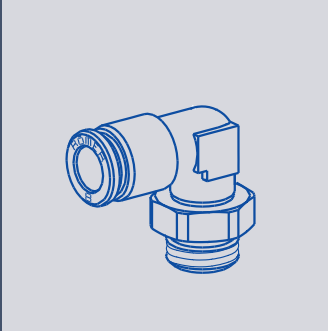
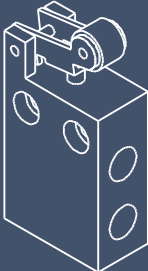
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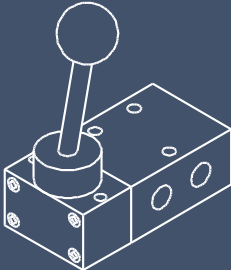
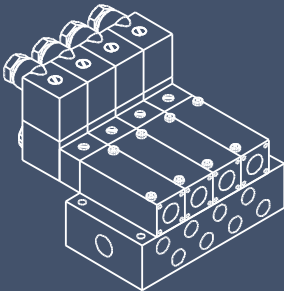
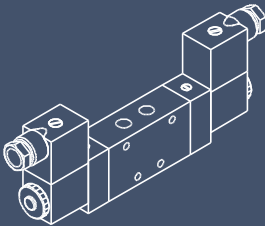
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Fittings

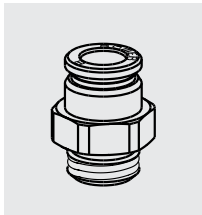


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Push-in fittings



Straight male adaptor

Cylindrical

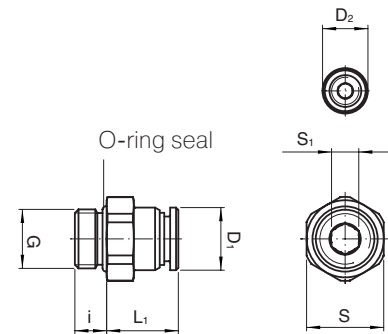
Material: brass, nickel plated

Seals: NBR

Temperature range: -20°C ... +80°C

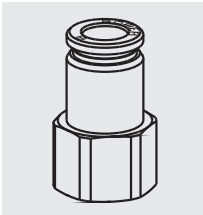
Maximum pressure: 20 bar

Stainless steel (AISI 316) with FPM seal on request.



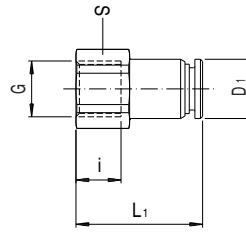
Hose-Ø	Port size G	L1	i	D1	D2	S1	S	Type
4	M 5	16,5	3,5	8		2,5	8	951M-4-M5
4	M 7	15	4,5	8	10	3		951M-4-M7-I
4	G 1/8"	14	5	10		3	13	951M-4-1/8
6	M 5	17,5	3,5	10		2,5	10	951M-6-M5
6	M 7	17	4,5	10	10	3		951M-6-M7-I
6	G 1/8"	15	5	12		4	13	951M-6-1/8
6	G 1/4"	14,5	7	12		4	17	951M-6-1/4
6	G 3/8"	12	8	12		4	19	951M-6-3/8
8	G 1/8"	20	5	14		5	14	951M-8-1/8
8	G 1/4"	16	7	14		6	17	951M-8-1/4
8	G 3/8"	16	8	14		6	19	951M-8-3/8
10	G 1/4"	22	7	16,5		7	17	951M-10-1/4
10	G 3/8"	17,5	8	16,5		8	19	951M-10-3/8
10	G 1/2"	15,5	9	16,5		8	24	951M-10-1/2
12	G 1/4"	25	7	20		7	22	951M-12-1/4
12	G 3/8"	19,5	8	20		10	22	951M-12-3/8
12	G 1/2"	18,5	9	20		10	24	951M-12-1/2
14	G 3/8"	25,5	8	22		10	22	951M-14-3/8
14	G 1/2"	19,5	9	22		12	24	951M-14-1/2
16	G 3/8"	26,5	8	24		10	24	951M-16-3/8
16	G 1/2"	19,5	9	24		12	24	951M-16-1/2
22	G 1/2"	32	9	32			32	951M-22-1/2
22	G 3/4"	31	11	32			32	951M-22-3/4

Other version, conical, self-sealing to be fasted using a hex set on request.

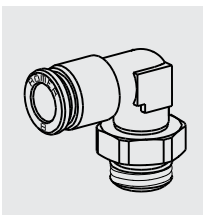


Straight female adaptor

Cylindrical
Material: brass, nickel plated
Seals: NBR
Temperature range: -20°C ...+80°C
Maximum pressure: 20 bar

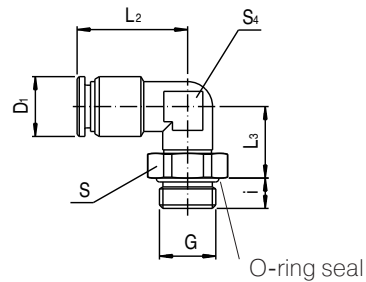


Hose-∅	Port size G	L1	i	D1	S	Type
4	G 1/8"	23,5	8	10	13	946M-4-1/8
6	G 1/8"	25	8	12	13	946M-6-1/8
6	G 1/4"	27,5	10,5	12	17	946M-6-1/4
8	G 1/8"	27	8	14	14	946M-8-1/8
8	G 1/4"	29,5	10,5	14	17	946M-8-1/4
8	G 3/8"	30,5	11,5	14	19	946M-8-3/8
10	G 1/4"	32	10,5	16,5	17	946M-10-1/4
10	G 3/8"	33	11,5	16,5	19	946M-10-3/8
10	G 1/2"	36,5	15	16,5	24	946M-10-1/2



Elbow male adaptor, swivel

Cylindrical
Material: brass, nickel plated
Seals: NBR
Temperature range: -20°C ...+80°C
Maximum pressure: 16 bar

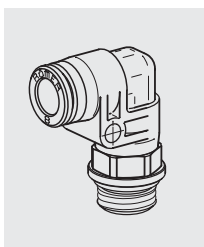


Stainless steel (AISI 316) with FPM seal on request.

Hose-∅	Port size G	L2	L3	i	D1	S4	S	Type
4	G 1/8"	20,5	13,5	5	10	9	13	930M-4-1/8
4	G 1/4"	22	15,5	7	10	10	17	930M-4-1/4
6	G 1/8"	22	13,5	5	12	9	13	930M-6-1/8
6	G 1/4"	23,5	15,5	7	12	10	17	930M-6-1/4
8	G 1/8"	25,5	16	5	14	12	13	930M-8-1/8
8	G 1/4"	27,5	17,5	7	14	13	17	930M-8-1/4
8	G 3/8"	27,5	19,5	8	14	13	19	930M-8-3/8
10	G 1/4"	29,5	17,5	7	16,5	13	17	930M-10-1/4
10	G 3/8"	29,5	19,5	8	16,5	13	19	930M-10-3/8
12	G 3/8"	32	19,5	8	20	17	19	930M-12-3/8
12	G 1/2"	32	21,5	9	20	17	24	930M-12-1/2

Conical version on request.

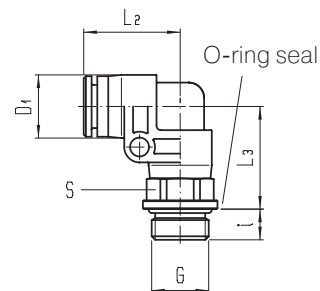
Push-in fittings



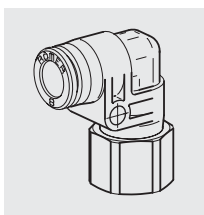
Elbow male adaptor, swivel

Cylindrical
Material: POM, brass, nickel plated
Seals: NBR
Temperature range: -20°C ... +60°C
Maximum pressure: 10 bar

PVDF material with FPM seal on request.

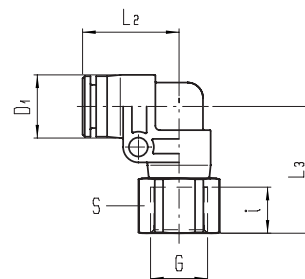


Hose-Ø	Port size G	L2	L3	i	D1	S	Type
4	M 5	17	9	3,5	8	8	930P-4-M5
4	G 1/8"	18,5	20,5	5	12,5	12	930P-4-1/8
4	G 1/4"	18,5	20,5	7	12,5	12	930P-4-1/4
6	M 5	18	10	3,5	10	8	930P-6-M5
6	G 1/8"	19	20,5	5	12,5	12	930P-6-1/8
6	G 1/4"	19	20,5	7	12,5	12	930P-6-1/4
8	G 1/8"	22	22	5	14,5	14	930P-8-1/8
8	G 1/4"	22	23,5	7	14,5	14	930P-8-1/4
8	G 3/8"	22	24	8	14,5	14	930P-8-3/8
10	G 1/4"	26	25,5	7	17	17	930P-10-1/4
10	G 3/8"	26	27	8	17	17	930P-10-3/8
12	G 3/8"	31	30,5	8	23	22	930P-12-3/8
12	G 1/2"	31	31	9	23	24	930P-12-1/2
14	G 1/2"	31	31	9	23	24	930P-14-1/2
16	G 3/8"	32	32	8	25	24	930P-16-3/8
16	G 1/2"	32	32	9	25	24	930P-16-1/2
22	G 1/2"	40	41	9	34	32	930P-22-1/2
22	G 3/4"	40	40	11	34	32	930P-22-3/4

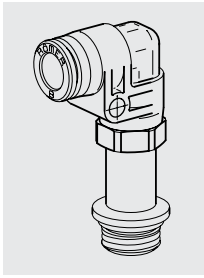


Elbow female adaptor, swivel

Cylindrical
Material: POM, brass, nickel plated
Seals: NBR
Temperature range: -20°C ... +60°C
Maximum pressure: 10 bar

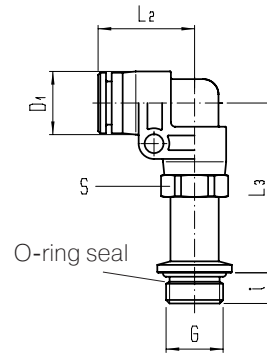


Hose-Ø	Port size G	L2	L3	i	D1	S	Type
4	G 1/8"	18,5	24	8	12,5	13	979P-4-1/8
4	G 1/4"	18,5	26,5	10,5	12,5	17	979P-4-1/4
6	G 1/8"	19	24	8	12,5	13	979P-6-1/8
6	G 1/4"	19	26,5	10,5	12,5	17	979P-6-1/4
8	G 1/8"	22	26,5	8	14,5	14	979P-8-1/8
8	G 1/4"	22	29	10,5	14,5	17	979P-8-1/4

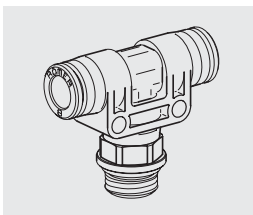


Elbow male adaptor, swivel, long

Cylindrical, long
 Material: POM, brass, nickel plated
 Seals: NBR
 Temperature range: -20°C ...+60°C
 Maximum pressure: 10 bar



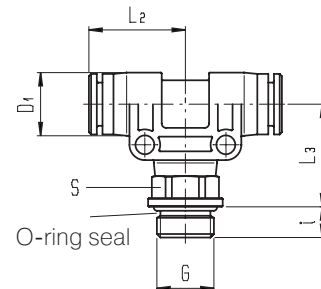
Hose-Ø	Port size G	L2	L3	i	D1	S	Type
4	G 1/8"	18,5	34	5	12,5	12	980P-4-1/8
4	G 1/4"	18,5	34,5	7	12,5	12	980P-4-1/4
6	G 1/8"	19	34	5	12,5	12	980P-6-1/8
6	G 1/4"	19	34,5	7	12,5	12	980P-6-1/4
8	G 1/8"	22	37,5	5	14,5	14	980P-8-1/8
8	G 1/4"	22	39	7	14,5	14	980P-8-1/4
8	G 3/8"	22	39,5	8	14,5	14	980P-8-3/8
10	G 1/4"	26	12,5	7	17	17	980P-10-1/4
10	G 3/8"	26	15,5	8	17	17	980P-10-3/8



T male adaptor, swivel

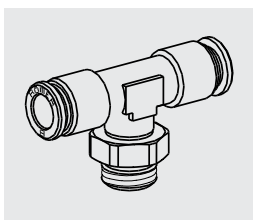
Cylindrical
 Material: POM, brass, nickel plated
 Seals: NBR
 Temperature range: -20°C ...+60°C
 Maximum pressure: 10 bar

PVDF material with FPM seals on request.



Hose-Ø	Port size G	L2	L3	i	D1	S	Type
4	G 1/8"	18,5	20,5	5	12,5	12	921P-4-1/8
4	G 1/4"	18,5	20,5	7	12,5	12	921P-4-1/4
6	G 1/8"	19	20,5	5	12,5	12	921P-6-1/8
6	G 1/4"	19	20,5	7	12,5	12	921P-6-1/4
8	G 1/8"	22	22	5	14,5	14	921P-8-1/8
8	G 1/4"	22	23,5	7	14,5	14	921P-8-1/4
8	G 3/8"	22	24	8	14,5	14	921P-8-3/8
10	G 1/4"	26	25,5	7	17	17	921P-10-1/4
10	G 3/8"	26	27	8	17	17	921P-10-3/8
12	G 3/8"	31	30,5	8	23	22	921P-12-3/8
12	G 1/2"	31	31	9	23	24	921P-12-1/2
14	G 1/2"	31	31	9	23	24	921P-14-1/2
16	G 3/8"	32	32	8	25	24	921P-16-3/8
16	G 1/2"	32	32	9	25	24	921P-16-1/2
22	G 1/2"	40	41	9	34	32	921P-22-1/2
22	G 3/4"	40	40	11	34	32	921P-22-3/4

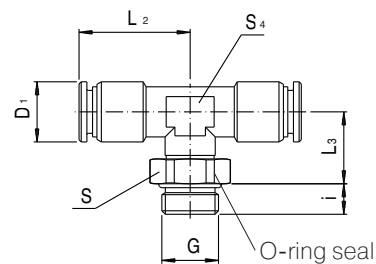
Push-in fittings



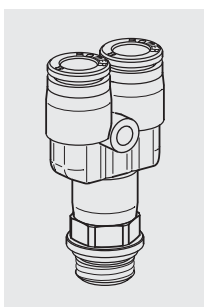
T male adaptor, swivel

Cylindrical
Material: brass, nickel plated
Seals: NBR
Temperature range: -20°C ...+80°C
Maximum pressure: 16 bar

Stainless steel (AISI 316) with FPM seals on request.



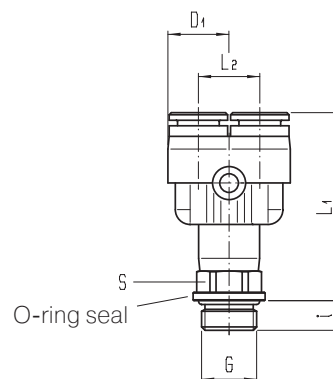
Hose-Ø	Port size G	L2	L3	i	D1	S4	S	Type
4	G 1/8"	20,5	13,5	5	10	9	13	921M-4-1/8
4	G 1/4"	22	15,5	7	10	10	17	921M-4-1/4
6	G 1/8"	22	13,5	5	12	9	13	921M-6-1/8
6	G 1/4"	23,5	15,5	7	12	10	17	921M-6-1/4
8	G 1/8"	25,5	16	5	14	12	13	921M-8-1/8
8	G 1/4"	27,5	17,5	7	14	13	17	921M-8-1/4
8	G 3/8"	27,5	19,5	8	14	13	19	921M-8-3/8
10	G 1/4"	29,5	17,5	7	16,5	13	17	921M-10-1/4
10	G 3/8"	29,5	19,5	8	16,5	13	19	921M-10-3/8
12	G 3/8"	32	19,5	8	20	17	19	921M-12-3/8



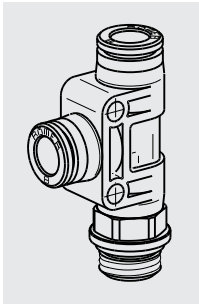
Y male adaptor, swivel

Cylindrical
Material: POM, brass, nickel plated
Seals: NBR
Temperature range: -20°C ...+60°C
Maximum pressure: 10 bar

PVDF material with FPM seals on request.



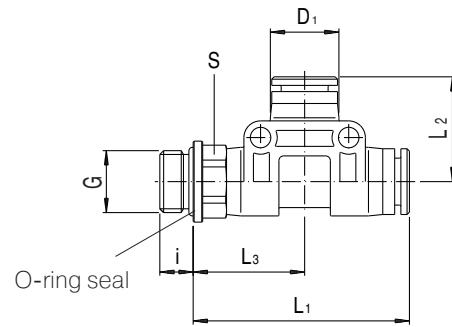
Hose-Ø	Port size G	L1	L2	i	D1	S	Type
4	G 1/8"	39	12,5	5	12,5	12	992P-4-1/8
4	G 1/4"	39	12,5	7	12,5	12	992P-4-1/4
6	G 1/8"	39,5	12,5	5	12,5	12	992P-6-1/8
6	G 1/4"	39,5	12,5	7	12,5	12	992P-6-1/4
8	G 1/8"	43	14,5	5	14,5	14	992P-8-1/8
8	G 1/4"	44,5	14,5	7	14,5	14	992P-8-1/4
8	G 3/8"	45	14,5	8	14,5	14	992P-8-3/8
10	G 1/4"	48,5	17	7	17	17	992P-10-1/4
10	G 3/8"	50	17	8	17	17	992P-10-3/8
12	G 3/8"	55	20,5	8	21	22	992P-12-3/8
12	G 1/2"	55,5	20,5	9	21	24	992P-12-1/2



L male adaptor with off-set leg, swivel

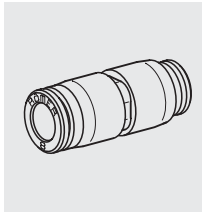
Cylindrical
 Material: POM, brass, nickel plated
 Seals: NBR
 Temperature range: -20°C ...+60°C
 Maximum pressure: 10 bar

PVDF material with FPM seals on request.



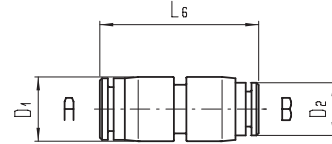
Hose-Ø	Port size G	L1	L2	L3	i	D1	S	Type
4	G 1/8"	39	18,5	20,5	5	12,5	12	922P-4-1/8
4	G 1/4"	39	18,5	20,5	7	12,5	12	922P-4-1/4
6	G 1/8"	39,5	19	20,5	5	12,5	12	922P-6-1/8
6	G 1/4"	39,5	19	20,5	7	12,5	12	922P-6-1/4
8	G 1/8"	44	22	22	5	14,5	14	922P-8-1/8
8	G 1/4"	45,5	22	23,5	7	14,5	14	922P-8-1/4
8	G 3/8"	46	22	24	8	14,5	14	922P-8-3/8
10	G 1/4"	51,5	26	25,5	7	17	17	922P-10-1/4
10	G 3/8"	53	26	27	8	17	17	922P-10-3/8
12	G 3/8"	61,5	31	30,5	8	23	22	922P-12-3/8
12	G 1/2"	62	31	31	9	23	24	922P-12-1/2
14	G 1/2"	62	31	31	9	23	24	922P-14-1/2
16	G 3/8"	64	32	32	8	25	24	922P-16-3/8
16	G 1/2"	64	32	32	9	25	24	922P-16-1/2
22	G 1/2"	81	40	41	9	34	32	922P-22-1/2
22	G 3/4"	80	40	40	11	34	32	922P-22-3/4

Push-in fittings



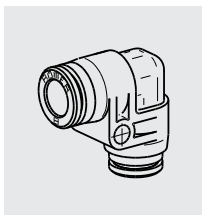
Straight connector

Material: POM
 Seals: NBR
 Temperature range: -20°C ...+60°C
 Maximum pressure: 10 bar



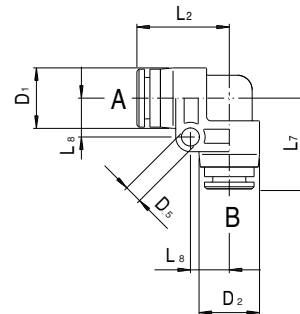
PVDF material with FPM seals on request.
 Nickel plated brass version on request.

Hose-Ø A	Hose-Ø B	L6	D1	D2	Type
4	4	31	12,5	12,5	958P-4
6	4	31,5	12,5	12,5	958P-6-4
6	6	32	12,5	12,5	958P-6
8	4	35,5	14,5	14,5	958P-8-4
8	6	35,5	14,5	14,5	958P-8-6
8	8	36	14,5	14,5	958P-8
10	6	40	17	17	958P-10-6
10	8	40,5	17	17	958P-10-8
10	10	41	17	17	958P-10
12	10	46	23	23	958P-12-10
12	12	46	23	23	958P-12
14	12	46	23	23	958P-14-12
14	14	46	23	23	958P-14
16	12	47	25	25	958P-16-12
16	14	47	25	25	958P-16-14
16	16	47	25	25	958P-16
22	22	57	34	34	958P-22



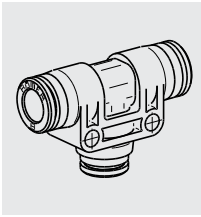
Elbow connector

Material: POM
 Seals: NBR
 Temperature range: -20°C ...+60°C
 Maximum pressure: 10 bar



PVDF material with FPM seals on request.
 Nickel plated brass version or stainless steel (AISI 316) with FPM seal on request.

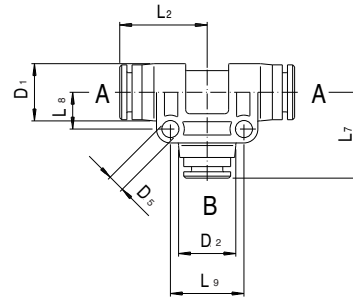
Hose-Ø A	Hose-Ø B	L2	L7	L8	D1	D2	D5	Type
4	4	18,5	18,5	8,3	12,5	12,5	4,3	955P-4
6	4	19	18,5	8,3	12,5	12,5	4,3	955P-6-4
6	6	19	19	8,3	12,5	12,5	4,3	955P-6
8	6	22	21,5	9,3	14,5	14,5	4,3	955P-8-6
8	8	22	22	9,3	14,5	14,5	4,3	955P-8
10	6	26	25	12	17	17	4,3	955P-10-6
10	8	26	25,5	12	17	17	4,3	955P-10-8
10	10	26	26	12	17	17	4,3	955P-10
12	12	31	31	12	23	23	4,3	955P-12
14	14	31	31	12	23	23	4,3	955P-14
16	16	32	32	12	25	25	4,3	955P-16
22	22	40	40	16	34	34	5,4	955P-22



T - connector

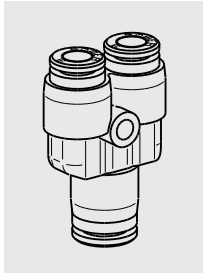
Material: POM
 Seals: NBR
 Temperature range: -20°C ...+60°C
 Maximum pressure: 10 bar

PVDF material with FPM seals on request.
 Nickel plated brass version or stainless steel (AISI 316) with FPM seal on request.



Hose-Ø A	Hose-Ø B	L2	L7	L8	L9	D1	D2	D5	Type
4	4	18,5	18,5	8,3	16,5	12,5	12,5	4,3	954P-4
4	6	18,5	19	8,3	16,5	12,5	12,5	4,3	954P-4-6
6	4	19	18,5	8,3	16,5	12,5	12,5	4,3	954P-6-4
6	6	19	19	8,3	16,5	12,5	12,5	4,3	954P-6
6	8	21,5	22	9,3	18,5	14,5	14,5	4,3	954P-6-8
8	6	22	21,5	9,3	18,5	14,5	14,5	4,3	954P-8-6
8	8	22	22	9,3	18,5	14,5	14,5	4,3	954P-8
8	10	25,5	26	12	24	17	17	4,3	954P-8-10
10	6	26	25	12	24	17	17	4,3	954P-10-6
10	8	26	25,5	12	24	17	17	4,3	954P-10-8
10	10	26	26	12	24	17	17	4,3	954P-10
10	12	31	31	12	24	23	23	4,3	954P-10-12
12	10	31	31	12	24	23	23	4,3	954P-12-10
12	12	31	31	12	24	23	23	4,3	954P-12
14	14	31	31	12	24	23	23	4,3	954P-14
16	16	32	32	12	24	25	25	4,3	954P-16
22	16	40	39,5	16	32	34	34	5,4	954P-22-16
22	22	40	40	16	32	34	34	5,4	954P-22

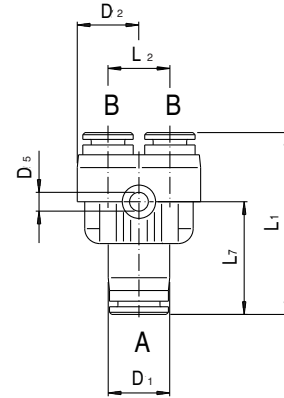
Push-in fittings



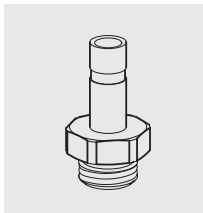
Y - connector

Material: POM
Seals: NBR
Temperature range: -20°C ...+60°C
Maximum pressure: 10 bar

PVDF material with FPM seals on request.



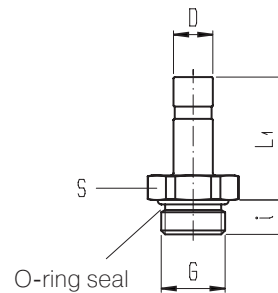
Hose-Ø A	Hose-Ø B	L1	L2	L7	D1	D2	D5	Type
4	4	37	12,5	22,5	12,5	12,5	3,3	982P-4
6	4	37,5	12,5	23	12,5	12,5	3,3	982P-6-4
6	6	38	12,5	23	12,5	12,5	3,3	982P-6
8	4	42,5	14,5	26,5	14,5	14,5	3,3	982P-8-4
8	6	43	14,5	26,5	14,5	14,5	4,3	982P-8-6
8	8	43	14,5	26,5	14,5	14,5	4,3	982P-8
10	8	48,5	17	31	17	17	4,3	982P-10-8
10	10	49	17	31	17	17	4,3	982P-10
12	8	54,5	20,5	35,5	23	23	4,3	982P-12-8
12	10	54,5	20,5	35,5	23	23	4,3	982P-12-10
12	12	54,5	20,5	35,5	23	23	4,3	982P-12



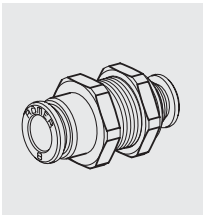
Stem Adaptor

Cylindrical
Material: brass
Seals: NBR
Temperature range: -20°C ...+80°C
Maximum pressure: 20 bar

Stainless steel (AISI 316) with FPM
O-ring on request.



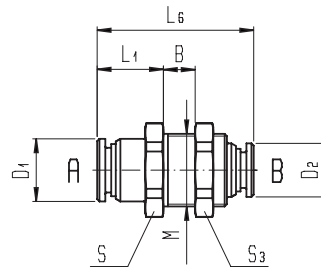
Connector D	Port size G	L1	i	S	Type
6	G 1/8"	22,5	5	13	908M-6-1/8
6	G 1/4"	23	7	17	908M-6-1/4
8	G 1/4"	25	7	17	908M-8-1/4
10	G 1/4"	29	7	17	908M-10-1/4
10	G 3/8"	29	8	19	908M-10-3/8
12	G 3/8"	31	8	19	908M-12-3/8
12	G 1/2"	31,5	9	24	908M-12-1/2
14	G 1/2"	32	9	24	908M-14-1/2
16	G 1/2"	32,5	9	24	908M-16-1/2



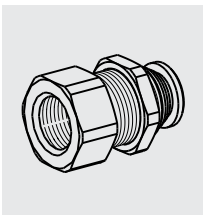
Bulkhead connector

Material: brass, nickel plated
 Seals: NBR
 Temperature range: -20°C ...+80°C
 Maximum pressure: 20 bar

POM material on request.
 PVDF material on request.

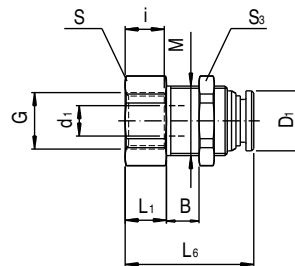


Hose-Ø A	Hose-Ø B	M	B	L1	L6	D1	D2	S1	S3	Type
4	4	M12x1	1-10	11	30	10	10	14	17	959M-4
6	4	M14x1	1-10	12,5	31,5	12	10	17	17	959M-6-4
6	6	M14x1	1-10	13,5	32,5	12	12	17	17	959M-6
8	6	M16x1	1-10	14,5	34,5	14	12	19	19	959M-8-6
8	8	M16x1	1-10	16,5	36,5	14	14	19	19	959M-8
10	8	M20x1	1-10	19	39	16,5	14	22	24	959M-10-8
10	10	M20x1	1-10	20,5	42	16,5	16,5	22	24	959M-10
12	12	M22x1,5	1-10	22	45,5	20	20	24	27	959M-12
14	14	M24x1,5	1-10	23	46,5	22	22	27	27	959M-14



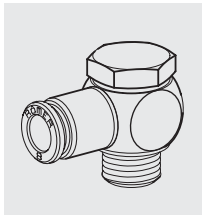
Bulkhead adaptor

Material: brass, nickel plated
 Seals: NBR
 Temperature range: -20°C ...+80°C
 Maximum pressure: 20 bar



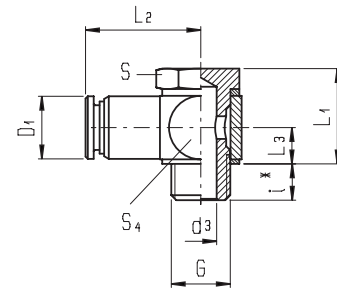
Hose-Ø	Port size G	M	B	L1	I	L6	d1	D1	S	S3	Type
4	G 1/8"	M12x1	1-9	6,5	8	25	3	10	14	17	945M-4-1/8
6	G 1/8"	M14x1	1-9	6,5	8	25,5	5	12	17	17	945M-6-1/8
6	G 1/4"	M14x1	1-9	12	10,5	31	5	12	17	17	945M-6-1/4
8	G 1/8"	M16x1	1-9	7	8	27	7	14	19	19	945M-8-1/8
8	G 1/4"	M16x1	1-9	9,5	10,5	29,5	7	14	19	19	945M-8-1/4
10	G 1/4"	M20x1	1-9	11	10,5	32	9	16,5	22	24	945M-10-1/4
10	G 3/8"	M20x1	1-9	12	11,5	33	9	16,5	22	24	945M-10-3/8
22	G 3/4"	M33x1,5	1-9	18	18	48	20	32	36	41	945M-22-3/4

Push-in fittings

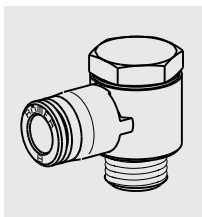


Elbow male adaptor, turn-able

Cylindrical
Material: brass, nickel plated
Seals: NBR, PA
Temperature range: -20°C ...+80°C
Maximum pressure: 20 bar

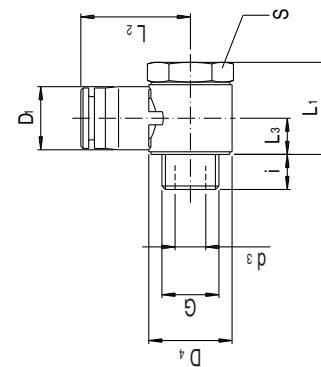


Hose-Ø	Port size G	L1	i	L2	L3	d3	D1	S4	S	Type
4	M 5	14	4	17	5,3	2	8	9	8	952M-4-M5N
4	G 1/8"	20	6,5	20,5	8	5	10	14	14	952M-4-1/8N
6	M 5	15	4	18,5	5,8	2	10	10	8	952M-6-M5N
6	G 1/8"	20	6,5	21,5	8	5	12	14	14	952M-6-1/8N
6	G 1/4"	21	8	23,5	8	7	12	18	17	952M-6-1/4N
8	G 1/8"	20	6,5	23,5	8	5	14	14	14	952M-8-1/8N
8	G 1/4"	21	8	25,5	8	7	14	18	17	952M-8-1/4N

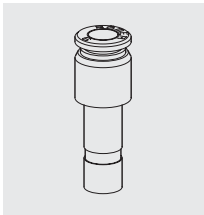


Elbow male adaptor, turn-able

Cylindrical
Material: POM, brass, nickel plated
Seals: NBR
Temperature range: -20°C ...+60°C
Maximum pressure: 10 bar



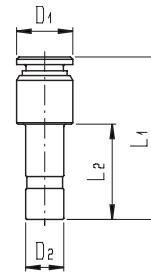
Hose-Ø	Port size G	L1	i	L2	L3	d3	D1	D4	S	Type
4	M 5	14	4	17	5,3	2	8	9	8	952P-4-M5
4	G 1/8"	20	6,5	22	8	5	14,5	15	14	952P-4-1/8
6	M 5	14	4	18	5,3	2	10	9	8	952P-6-M5
6	G 1/8"	20	6,5	22,5	8	5	14,5	15	14	952P-6-1/8
6	G 1/4"	21	8	24,5	8	7	14,5	19	17	952P-6-1/4
8	G 1/8"	20	6,5	23	8	5	14,5	15	14	952P-8-1/8
8	G 1/4"	21	8	25	8	7	14,5	19	17	952P-8-1/4
8	G 3/8"	26,5	9	28,5	11	9,5	17	22,5	19	952P-8-3/8
10	G 1/4"	25	8	27,5	10	7	17	19	17	952P-10-1/4
10	G 3/8"	26,5	9	29	11	9,5	17	22,5	19	952P-10-3/8
10	G 1/2"	27	9	29	11	12	21	27	27	952P-10-1/2
12	G 3/8"	26,5	9	31	11	9,5	21	22,5	19	952P-12-3/8
12	G 1/2"	27	10	33	11	12	21	27	27	952P-12-1/2
14	G 1/2"	31,5	10	34	13	12	25	27	27	952P-14-1/2
16	G 1/2"	31,5	10	34	13	12	25	27	27	952P-16-1/2



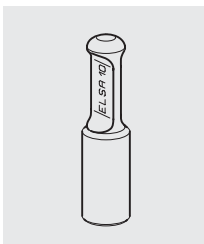
Reducer

Material: brass, nickel plated
 Temperature range: -20°C ...+80°C
 Maximum pressure: 20 bar

* approximately when assembled into a push-in fitting.

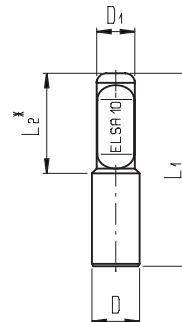


Hose-Ø	Connector D2	l	L1	L5	D1	Type
4	6	18	31,5	17	10	947M-4-D6
6	8	20	34	18,5	12	947M-6-D8
6	10	24	38	20	12	947M-6-D10
8	10	24	39	21	14	947M-8-D10
8	12	26	41	21,5	14	947M-8-D12
8	14	26,5	40	19,5	14	947M-8-D14
10	12	26	42,5	23	16,5	947M-10-D12
10	14	26,5	43	22,5	16,5	947M-10-D14
12	14	26,5	50	29,5	20	947M-12-D14



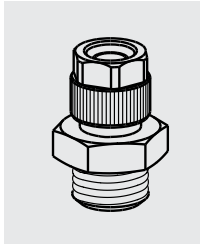
Plug

Material: POM



Diameter	L1	L2	D1	Type
4	31,5	16,5	6	971P-4
6	34,5	19,5	8	971P-6
8	37,5	20	8	971P-8
10	40,5	21	8	971P-10
12	44	22	8	971P-12
14	44,5	23	8	971P-14
16	45	24	8	971P-16

Push-on fittings



Straight male adaptor

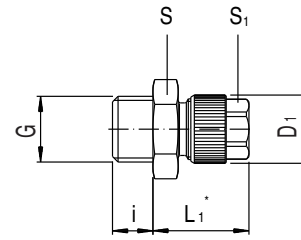
Cylindrical

Material: brass, nickel plated

Minimum Temp.: -40°C

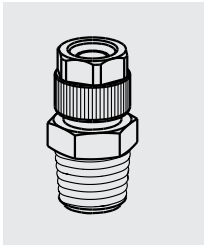
Maximum pressure: 25 bar

Stainless steel (AISI 316) on request.



* L1 = approximate dimension

Hose-Ø	Port size G	L1	i	D1	S1	S	Type
4,3/3	M5	14,5	4	8	7	8	151M-4,3/3-M5
4,3/3	G 1/8"	15,5	6	8	7	13	151M-4,3/3-1/8
5/3	M5	14,5	4	8	7	8	151M-5/3-M5
5/3	M6	14,5	5	8	7	8	151M-5/3-M6
5/3	G 1/8"	15,5	6	8	7	13	151M-5/3-1/8
6/4	M5	15,5	4	9	8	8	151M-6/4-M5
6/4	M6	15,5	5	9	8	8	151M-6/4-M6
6/4	G 1/8"	18,5	6	11,5	10	13	151M-6/4-1/8
6/4	G 1/4"	19	8	11,5	10	17	151M-6/4-1/4
6/4	G 3/8"	19	9	11,5	10	19	151M-6/4-3/8
6/4	G 1/2"	19,5	10	11,5	10	24	151M-6/4-1/2
8/6	G 1/8"	18,5	6	13,5	12	13	151M-8/6-1/8
8/6	G 1/4"	19	8	13,5	12	17	151M-8/6-1/4
8/6	G 3/8"	19	9	13,5	12	19	151M-8/6-3/8
8/6	G 1/2"	19,5	10	13,5	12	24	151M-8/6-1/2
10/8	G 1/8"	20	6	15,5	13	14	151M-10/8-1/8
10/8	G 1/4"	20,5	8	15,5	13	17	151M-10/8-1/4
10/8	G 3/8"	20,5	9	15,5	13	19	151M-10/8-3/8
10/8	G 1/2"	21	10	15,5	13	24	151M-10/8-1/2
12/9	G 1/4"	22	8	17,5	15	17	151M-12/9-1/4
12/9	G 3/8"	22	9	17,5	15	19	151M-12/9-3/8
12/10	G 3/8"	22	9	17,5	15	19	151M-12/10-3/8
12/10	G 1/2"	22,5	10	17,5	15	24	151M-12/10-1/2



Straight male adaptor

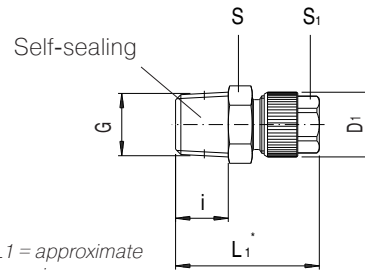
Conical, self sealing

Material: brass, nickel plated

Minimum Temp.: -40°C

Maximum pressure: 25 bar

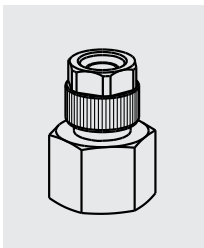
Stainless steel (AISI 316) on request.



* L1 = approximate dimension

Hose-Ø	Port size G	L1	i	D1	S1	S	Type
6/4	1/8" K	26	8	11,5	10	12	151M-6/4-D1/8K
6/4	1/4" K	30	11	11,5	10	14	151M-6/4-D1/4K
8/6	1/8" K	26	8	13,5	12	12	151M-8/6-D1/8K
8/6	1/4" K	30	11	13,5	12	14	151M-8/6-D1/4K
8/6	3/8" K	31	12	13,5	12	17	151M-8/6-D3/8K
10/8	1/4" K	32	11	15,5	13	14	151M-10/8-D1/4K

Kérésre, öntömítő anyag nélkül is szállítható.



Straight female adaptor

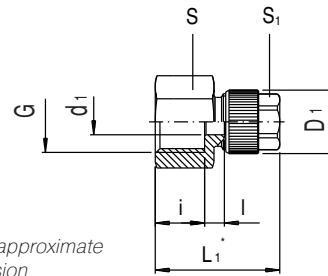
Cylindrical

Material: brass, nickel plated

Minimum Temp.: -40°C

Maximum pressure: 25 bar

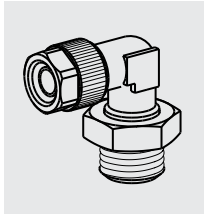
Stainless steel (AISI 316) on request.



* L1 = approximate dimension

Hose-Ø	Port size G	L1	i	l	d1	D1	S1	S	Type
4,3/3	G 1/8"	21	8		2,3	8	7	13	146M-4,3/3-1/8
5/3	G 1/8"	21	8		2,3	8	7	13	146M-5/3-1/8
6/4	G 1/8"	24	8		5,5	11,5	10	13	146M-6/4-1/8
6/4	G 1/4"	26,5	10,5	7	5,5	11,5	10	17	146M-6/4-1/4
8/6	G 1/8"	24	8	7	5,5	13,5	12	13	146M-8/6-1/8
8/6	G 1/4"	26,5	10,5	7	5,5	13,5	12	17	146M-8/6-1/4
8/6	G 3/8"	27,5	11,5	7	6,5	13,5	12	19	146M-8/6-3/8
8/6	G 1/2"	31,5	15	7	6,5	13,5	12	24	146M-8/6-1/2
10/8	G 1/4"	28	10,5		7	15,5	13	17	146M-10/8-1/4
10/8	G 3/8"	29	11,5		7	15,5	13	19	146M-10/8-3/8
10/8	G 1/2"	33	15		7	15,5	13	24	146M-10/8-1/2
12/9	G 3/8"	31	11,5		7,5	17,5	15	19	146M-12/9-3/8

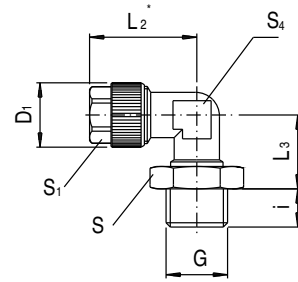
Push-on fittings



Elbow male adaptor, swivel

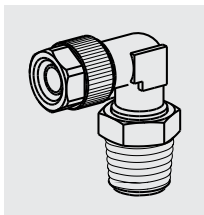
Cylindrical
Material: brass, nickel plated
Seals: NBR
Temperature range: -20°C ... +80°C
Maximum pressure: 12 bar

Stainless steel (AISI 316) with FPM seals on request.



* L2 = approximate dimension

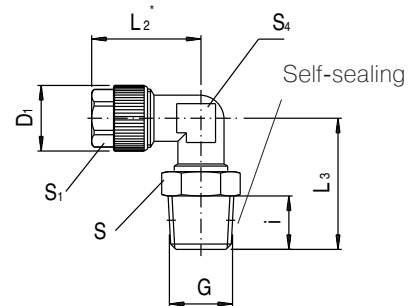
Hose-Ø	Port size G	L2	L3	i	D1	S1	S4	S	Type
6/4	G 1/8"	22,5	14,5	6	11,5	10	10	13	130M-6/4-1/8
6/4	G 1/4"	22,5	14,5	8	11,5	10	10	17	130M-6/4-1/4
8/6	G 1/8"	22,5	14,5	6	13,5	12	10	13	130M-8/6-1/8
8/6	G 1/4"	22,5	14,5	8	13,5	12	10	17	130M-8/6-1/4
10/8	G 1/4"	23,5	14,5	8	13,5	13	10	17	130M-10/8-1/4



Elbow male adaptor, swivel

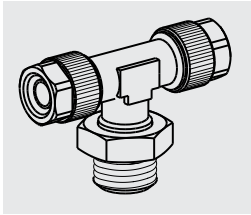
Conical, self sealing
Material: brass, nickel plated
Seals: NBR
Temperature range: -20°C ... +80°C
Maximum pressure: 12 bar

Stainless steel (AISI 316) with FPM seals on request.



* L2 = approximate dimension

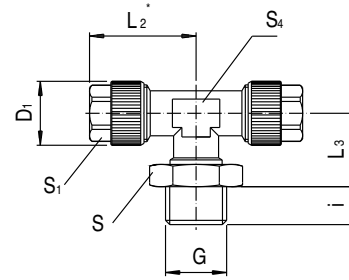
Hose-Ø	Port size G	L2	L3	i	D1	S1	S4	S	Type
6/4	1/8" K	22,5	22,5	7,5	11,5	10	10	13	130M-6/4-D1/8K
6/4	1/4" K	22,5	22,5	11	11,5	10	10	14	130M-6/4-D1/4K
8/6	1/8" K	22,5	22,5	7,5	13,5	12	10	13	130M-8/6-D1/8K
8/6	1/4" K	22,5	22,5	11	13,5	12	10	14	130M-8/6-D1/4K
10/8	1/4" K	23,5	25,5	11	15,5	13	10	14	130M-10/8-D1/4K



T male adaptor, swivel

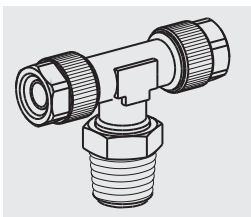
Cylindrical
Material: brass, nickel plated
Seals: NBR
Temperature range: -20°C ... +80°C
Maximum pressure: 12 bar

Stainless steel (AISI 316) with FPM seals on request.



* L2 = approximate dimension

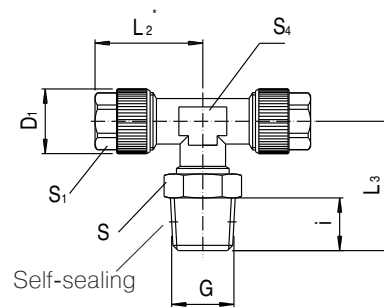
Hose-Ø	Port size G	L2	L3	i	D1	S1	S4	S	Type
6/4	G 1/8"	22,5	14,5	6	11,5	10	10	13	121M-6/4-1/8
6/4	G 1/4"	22,5	14,5	8	11,5	10	10	17	121M-6/4-1/4
8/6	G 1/8"	22,5	14,5	6	13,5	12	10	13	121M-8/6-1/8
8/6	G 1/4"	22,5	14,5	8	13,5	12	10	17	121M-8/6-1/4
10/8	G 1/4"	24	14,5	8	15,5	13	10	17	121M-10/8-1/4



T male adaptor, swivel

Conical, self sealing
Material: brass, nickel plated
Seals: NBR
Temperature range: -20°C ... +80°C
Maximum pressure: 12 bar

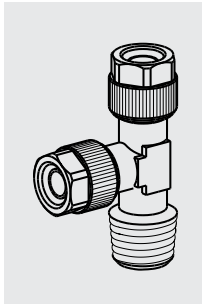
Stainless steel (AISI 316) with FPM seals on request.



* L2 = approximate dimension

Hose-Ø	Port size G	L2	L3	i	D1	S1	S4	S	Type
6/4	1/8" K	22,5	21,5	7,5	11,5	10	10	13	121M-6/4-D1/8K
6/4	1/4" K	22,5	25,5	11	11,5	10	10	14	121M-6/4-D1/4K
8/6	1/8" K	22,5	21,5	7,5	13,5	12	10	13	121M-8/6-D1/8K
8/6	1/4" K	22,5	25,5	11	13,5	12	10	14	121M-8/6-D1/4K
10/8	1/4" K	24	25,5	11	15,5	13	10	14	121M-10/8-D1/4K

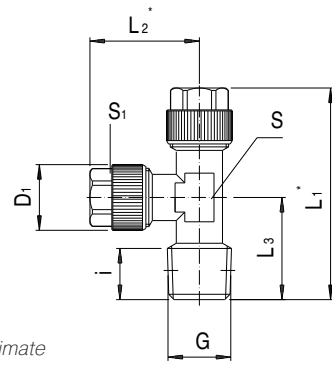
Push-on fittings



L male adaptor with off-set leg

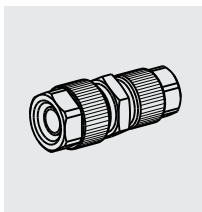
Conical
Material: brass, nickel plated
Minimum Temp.: -40°C
Maximum pressure: 25 bar

Stainless steel (AISI 316) on request.



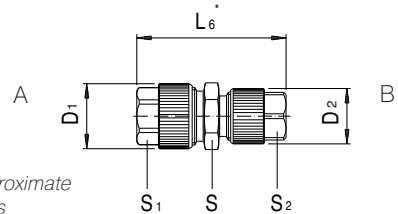
* L1 and L2 = approximate dimensions

Hose-Ø	Port size G	L1	L2	L3	i	D1	S1	S	Type
4,3/3	1/8" K	35	18	17	7,5	8	7	8	142M-4,3/3-1/8K
5/3	1/8" K	35	18	17	7,5	8	7	8	142M-5/3-1/8K
6/4	1/8" K	38,5	21,5	17	7,5	11,5	10	8	142M-6/4-1/8K
6/4	1/4" K	43,5	22,5	21	10,5	11,5	10	10	142M-6/4-1/4K
8/6	1/8" K	38,5	21,5	17	7,5	13,5	12	8	142M-8/6-1/8K
8/6	1/4" K	43,5	22,5	21	10,5	13,5	12	10	142M-8/6-1/4K
10/8	1/8" K	41	24	17	7,5	15,5	13	10	142M-10/8-1/8K
10/8	1/4" K	45	24	21	10,5	15,5	13	10	142M-10/8-1/4K
10/8	3/8" K	54	29	25	11,5	15,5	13	13	142M-10/8-3/8K
12/10	3/8" K	54	29	25	11,5	17,5	15	13	142M-12/10-3/8K



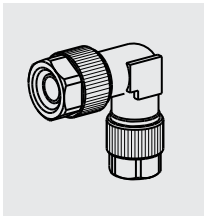
Straight connector

Material: brass, nickel plated
Minimum Temp.: -40°C
Maximum pressure: 25 bar



* L6 = approximate dimensions

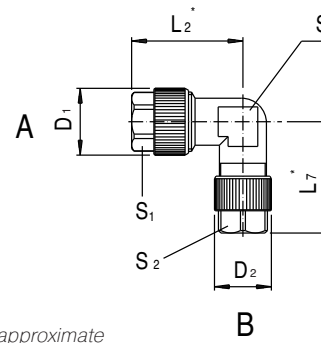
Hose-Ø A	Hose-Ø B	L6	D1	S1	D2	S2	S	Type
4,3/3	4,3/3	25	8	7	8	7	8	158M-4,3/3
5/3	4,3/3	25	8	7	8	7	8	158M-5/3-4,3/3
5/3	5/3	25	8	7	8	7	8	158M-5/3
6/4	4,3/3	29	11,5	10	8	8	12	158M-6/4-4,3/3
6/4	5/3	29	11,5	10	8	8	12	158M-6/4-5/3
6/4	6/4	31	11,5	10	11,5	10	12	158M-6/4
8/6	6/4	31	13,5	12	11,5	10	12	158M-8/6-6/4
8/6	8/6	31	13,5	12	13,5	12	12	158M-8/6
10/8	6/4	34	15,5	13	11,5	10	14	158M-10/8-6/4
10/8	8/6	34	15,5	13	13,5	12	14	158M-10/8-8/6
10/8	10/8	35	15,5	13	15,5	13	14	158M-10/8
12/10	12/10	38	17,5	15	17,5	15	17	158M-12/10



Elbow connector

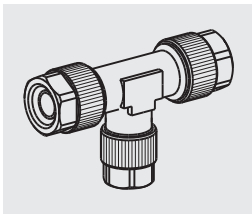
Material: brass, nickel plated
 Minimum Temp.: -40°C
 Maximum pressure: 25 bar

Stainless steel (AISI 316) on request.



* L₂ and L₇ = approximate dimensions

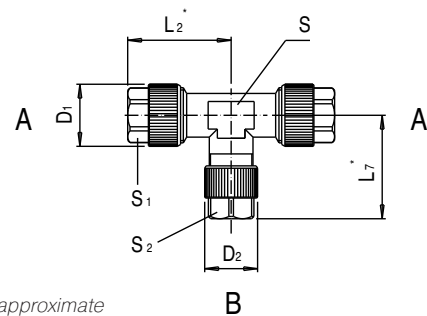
Hose-Ø A	Hose-Ø B	L ₂	L ₇	D ₁	S ₁	D ₂	S ₂	S	Type
4,3/3	4,3/3	18	18	8	7	8	7	8	155M-4,3/3
5/3	4,3/3	18	18	8	7	8	7	8	155M-5/3-4,3/3
5/3	5/3	18	18	8	7	8	7	8	155M-5/3
6/4	6/4	21,5	21,5	11,5	10	11,5	10	8	155M-6/4
8/6	6/4	22,5	22,5	13,5	12	11,5	10	10	155M-8/6-6/4
8/6	8/6	22,5	22,5	13,5	12	13,5	12	10	155M-8/6
10/8	10/8	24	24	15,5	13	15,5	13	10	155M-10/8
12/10	12/10	29	29	17,5	15	17,5	15	13	155M-12/10



T connector

Material: brass, nickel plated
 Minimum Temp.: -40°C
 Maximum pressure: 25 bar

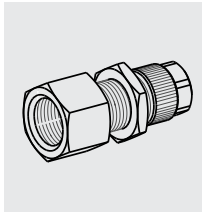
Stainless steel (AISI 316) on request.



* L₂ and L₇ = approximate dimensions

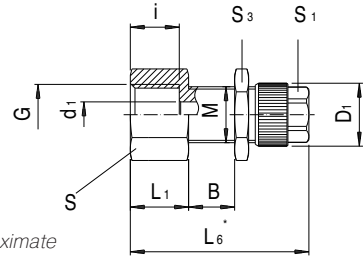
Hose-Ø A	Hose-Ø B	L ₂	L ₇	D ₁	S ₁	D ₂	S ₂	S	Type
4,3/3	4,3/3	18	18	8	7	8	7	8	154M-4,3/3
5/3	4,3/3	18	18	8	7	8	7	8	154M-5/3-4,3/3
5/3	5/3	18	18	8	7	8	7	8	154M-5/3
6/4	6/4	21,5	21,5	11,5	10	11,5	10	8	154M-6/4
8/6	6/4	21,5	21,5	13,5	12	11,5	10	8	154M-8/6-6/4
8/6	8/6	21,5	21,5	13,5	12	13,5	12	8	154M-8/6
10/8	6/4	24	23	15,5	13	11,5	10	10	154M-10/8-6/4
10/8	8/6	24	23	15,5	13	13,5	12	10	154M-10/8-8/6
10/8	10/8	24	24	15,5	13	15,5	13	10	154M-10/8
12/9	12/9	29	29	17,5	15	17,5	15	13	154M-12/9
12/10	12/10	29	29	17,5	15	17,5	15	13	154M-12/10

Push-on fittings



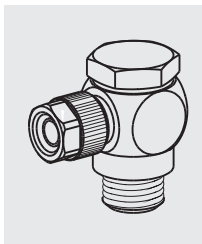
Bulkhead adaptor

Material: brass, nickel plated
 Minimum Temp.: -40°C
 Maximum pressure: 25 bar



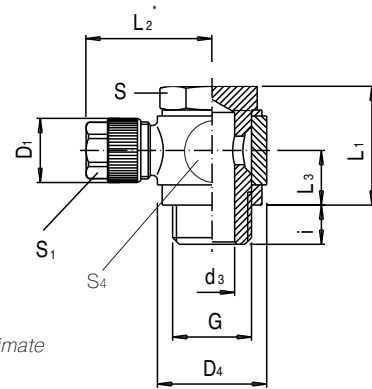
* L6 = approximate dimension

Hose-Ø	Port size G	M	B	L1	L6	i	d1	D1	S1	S3	S	Type
4,3/3	M5	M7x0,75	1-9	7	28	5	2,2	8	7	10	8	145M-4,3/3-M5
5/3	M5	M7x0,75	1-9	7	28	5	2,2	8	7	10	8	145M-5/3-M5
6/4	G 1/8"	M10x1	1-9	10	35,8	8	3,3	11,5	10	13	13	145M-6/4-1/8
8/6	G 1/4"	M12x1	1-9	12,5	38,3	10,5	5,5	13,5	12	17	17	145M-8/6-1/4
10/8	G 1/4"	M14x1	1-9	12,5	40,3	10,5	7	15,5	13	17	17	145M-10/8-1/4
12/9	G 3/8"	M16x1	1-9	13,5	42,3	11,5	7,6	17,5	15	19	19	145M-12/9-3/8



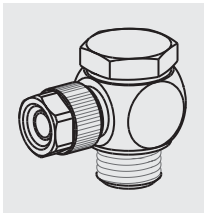
Elbow male adaptor, turn-able

Cylindrical, long
 Material: brass, nickel plated
 Seals: NBR, PA
 Minimum Temp.: -40°C
 Maximum pressure: 25 bar



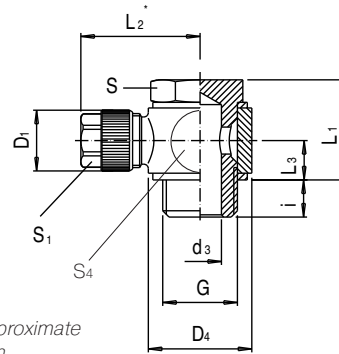
* L2 = approximate dimension

Hose-Ø	Port size G	i	L1	L2	L3	D1	S1	D4	S4	S	Type
4,3/3	G 1/8"	6,5	24	18	11,5	8	7		14	14	156M-4,3/3S-1/8N
5/3	G 1/8"	6,5	24	18	11,5	8	7		14	14	156M-5/3S-1/8N
6/4	G 1/8"	6,5	24	21	11,5	11,5	10		14	14	156M-6/4S-1/8N
6/4	G 1/4"	8	24,5	23	11,5	11,5	10		18	17	156M-6/4S-1/4N
6/4	G 3/8"	9	25	26,5	11,5	11,5	10	21		19	156M-6/4-3/8N
6/4	G 1/2"	10	25	29	11,5	11,5	10	26		27	156M-6/4-1/2N
8/6	G 1/8"	6,5	24	21	11,5	13,5	12		14	14	156M-8/6S-1/8N
8/6	G 1/4"	8	24,5	23	11,5	13,5	12		18	17	156M-8/6S-1/4N
8/6	G 3/8"	9	25	26,5	11,5	13,5	12	21		19	156M-8/6-3/8N
8/6	G 1/2"	10	25	29	11,5	13,5	12	26		27	156M-8/6-1/2N
10/8	G 1/8"	6,5	24	22,5	11,5	15,5	13		14	14	156M-10/8S-1/8N
10/8	G 1/4"	8	24,5	24,5	11,5	15,5	13		18	17	156M-10/8S-1/4N
10/8	G 3/8"	9	25	28	11,5	15,5	13	21		19	156M-10/8-3/8N
10/8	G 1/2"	10	25	30,5	11,5	15,5	13	26		27	156M-10/8-1/2N
12/9	G 3/8"	9	25	29,5	11,5	17,5	15	21		19	156M-12/9-3/8N
12/10	G 3/8"	9	25	29,5	11,5	17,5	15	21		19	156M-12/10-3/8N
12/10	G 1/2"	10	25	32	11,5	17,5	15	26		27	156M-12/10-1/2N



Elbow male adaptor, turn-able

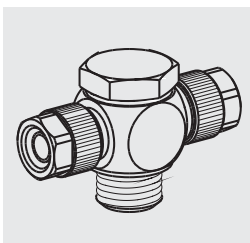
Cylindrical, short
Material: brass, nickel plated
Seals: A: Aluminium
N: PA
MinimumTemp.: -40°C
Maximum pressure: 25 bar



* L2 = approximate dimension

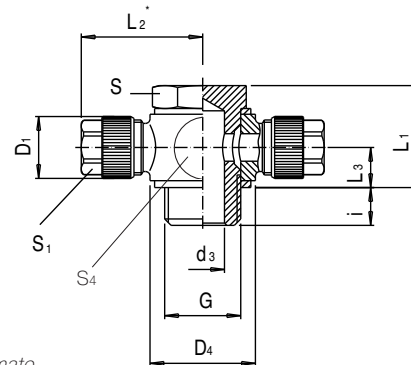
If requested with Aluminium seal, please replace the **N** in the type-number with an **A**.

Hose-Ø	Port size G	i	L1	L2	L3	D1	S1	D4	S4	S	Type
4,3/3	M 5	4	14	15,5	5	8	7		9	8	152M-4,3/3S-M5N
4,3/3	G 1/8"	6,5	20	18	8	8	7		14	14	152M-4,3/3S-1/8N
5/3	M 5	4	14	15,5	5	8	7		9	8	152M-5/3S-M5N
5/3	G 1/8"	6,5	20	18	8	8	7		14	14	152M-5/3S-1/8N
6/4	M 5	4	14	16,5	5	9	8		9	8	152M-6/4S-M5N
6/4	G 1/8"	6,5	20	21	8	11,5	10		14	14	152M-6/4S-1/8N
6/4	G 1/4"	8	21	23	8	11,5	10		18	17	152M-6/4S-1/4N
6/4	G 3/8"	9	21,5	26,5	8	11,5	10	21		19	152M-6/4-3/8N
6/4	G 1/2"	10	21,5	29	8	11,5	10	26		27	152M-6/4-1/2N
8/6	G 1/8"	6,5	20	21	8	13,5	12		14	14	152M-8/6S-1/8N
8/6	G 1/4"	8	21	23	8	13,5	12		18	17	152M-8/6S-1/4N
8/6	G 3/8"	9	21,5	26,5	8	13,5	12	21		19	152M-8/6-3/8N
8/6	G 1/2"	10	21,5	29	8	13,5	12	26		27	152M-8/6-1/2N



T male adaptor, turn-able

Cylindrical, short
Material: brass, nickel plated
Seals: A: Aluminium
N: PA
MinimumTemp.: -40°C
Maximum pressure: 25 bar

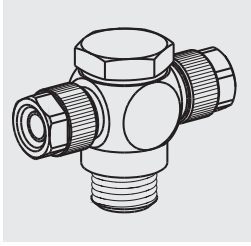


* L2 = approximate dimension

If requested with Aluminium seal, please replace the **N** in the type-number with an **A**.

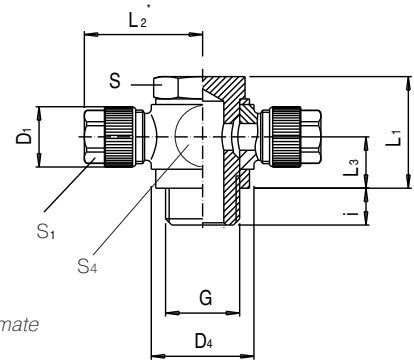
Hose-Ø	Port size G	i	L1	L2	L3	D1	S1	D4	S4	S	Type
4,3/3	M 5	4	14	15,5	5	8	7		9	8	153M-4,3/3S-M5N
4,3/3	G 1/8"	6,5	20	18	8	8	7		14	14	153M-4,3/3S-1/8N
5/3	M 5	4	14	15,5	5	8	7		9	8	153M-5/3S-M5N
5/3	G 1/8"	6,5	20	19	8	8	7		14	14	153M-5/3S-1/8N
6/4	M 5	4	14	16,5	5	9	8		9	8	153M-6/4S-M5N
6/4	G 1/8"	6,5	20	21	8	11,5	10		14	14	153M-6/4S-1/8N
6/4	G 1/4"	8	21	23	8	11,5	10		18	17	153M-6/4S-1/4N
6/4	G 3/8"	9	21,5	26,5	8	11,5	10	21		19	153M-6/4-3/8N
6/4	G 1/2"	10	21,5	29	8	11,5	10	26		27	153M-6/4-1/2N
8/6	G 1/8"	6,5	20	21	8	13,5	12		14	14	153M-8/6S-1/8N
8/6	G 1/4"	8	21	23	8	13,5	12		18	17	153M-8/6S-1/4N
8/6	G 3/8"	9	21,5	26,5	8	13,5	12	21		19	153M-8/6-3/8N
8/6	G 1/2"	10	21,5	29	8	13,5	12	26		27	153M-8/6-1/2N

Push-on fittings

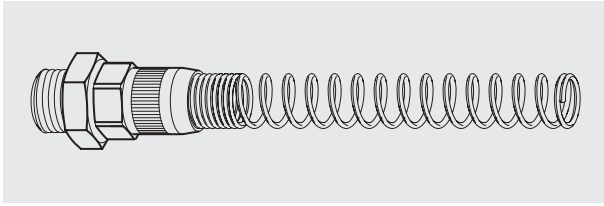


T male adaptor, turn-able

Cylindrical, long
Material: brass, nickel plated
Seals: PA
Minimum Temp.: -40°C
Maximum pressure: 25 bar

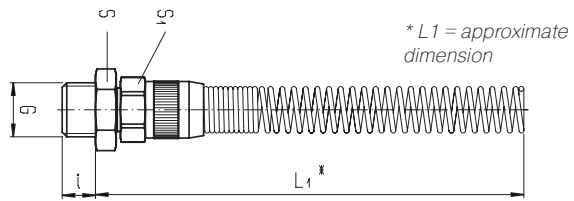


Hose-Ø	Port size G	i	L1	L2	L3	D1	S1	D4	S4	S	Type
4,3/3	G 1/8"	6,5	24	18	11,5	8	7		14	14	157M-4,3/3S-1/8N
5/3	G 1/8"	6,5	24	18	11,5	8	7		14	14	157M-5/3S-1/8N
6/4	G 1/8"	6,5	24	21	11,5	11,5	10		14	14	157M-6/4S-1/8N
6/4	G 1/4"	8	24,5	23	11,5	11,5	10		18	17	157M-6/4S-1/4N
6/4	G 3/8"	9	25	26,5	11,5	11,5	10	21		19	157M-6/4-3/8N
6/4	G 1/2"	10	25	29	11,5	11,5	10	26		27	157M-6/4-1/2N
8/6	G 1/8"	6,5	24	21	11,5	13,5	12		14	14	157M-8/6S-1/8N
8/6	G 1/4"	8	24,5	23	11,5	13,5	12		18	17	157M-8/6S-1/4N
8/6	G 3/8"	9	25	26,5	11,5	13,5	12	21		19	157M-8/6-3/8N
8/6	G 1/2"	10	25	29	11,5	13,5	12	26		27	157M-8/6-1/2N
10/8	G 1/8"	6,5	24	22,5	11,5	15,5	13		14	14	157M-10/8S-1/8N
10/8	G 1/4"	8	24,5	24,5	11,5	15,5	13		18	17	157M-10/8S-1/4N
10/8	G 3/8"	9	25	28	11,5	15,5	13	21		19	157M-10/8-3/8N
10/8	G 1/2"	10	25	30,5	11,5	15,5	13	26		27	157M-10/8-1/2N



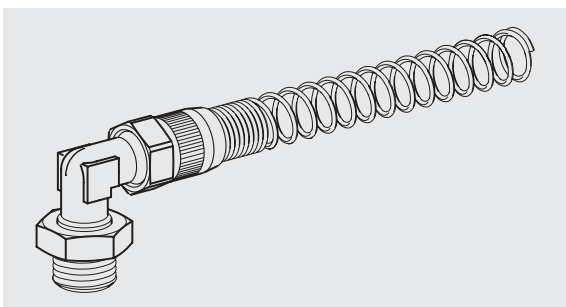
Straight male adaptor with spring

Cylindrical
Material: brass, nickel plated
Minimum Temp.: -40°C
Maximum pressure: 25 bar



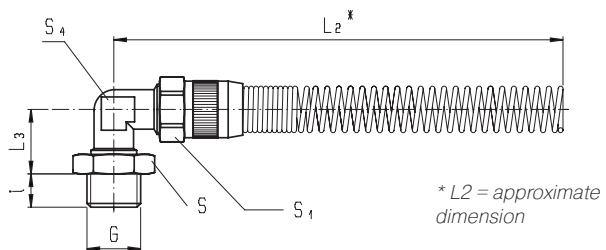
Swivel or conical versions on request,

Hose-Ø	Port size G	i	L1	S1	S	Type
6/4	G 1/8"	6	102	12	13	151M-6/4KS-1/8
6/4	G 1/4"	8	103	12	17	151M-6/4KS-1/4
6/4	G 3/8"	9	103	12	19	151M-6/4KS-3/8
6/4	G 1/2"	10	103	12	24	151M-6/4KS-1/2
8/6	G 1/8"	6	103	14	13	151M-8/6KS-1/8
8/6	G 1/4"	8	103	14	17	151M-8/6KS-1/4
8/6	G 3/8"	9	104	14	19	151M-8/6KS-3/8
8/6	G 1/2"	10	104	14	24	151M-8/6KS-1/2
10/8	G 1/8"	6	104	16	14	151M-10/8KS-1/8
10/8	G 1/4"	8	104	16	17	151M-10/8KS-1/4
10/8	G 3/8"	9	104	16	19	151M-10/8KS-3/8
10/8	G 1/2"	10	105	16	24	151M-10/8KS-1/2
12/9	G 1/4"	8	104	19	17	151M-12/9KS-1/4
12/9	G 3/8"	9	104	19	19	151M-12/9KS-3/8
12/10	G 3/8"	9	104	19	24	151M-12/10KS-3/8
12/10	G 1/2"	10	105	19	24	151M-12/10KS-1/2



Elbow male adaptor with spring, swivel

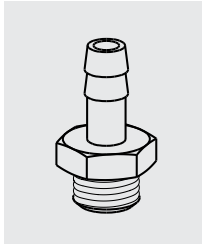
Cylindrical
Material: brass, nickel plated
Seals: NBR
Temperature range: -20°C ... +80°C
Maximum pressure: 12 bar



Conical versions on request.

Hose-Ø	Port size G	i	L2	L3	S1	S4	S	Type
6/4	G 1/8"	6	107	14,5	12	10	13	130M-6/4KS-1/8
6/4	G 1/4"	8	107	14,5	12	10	17	130M-6/4KS-1/4
8/6	G 1/8"	6	108	14,5	14	10	13	130M-8/6KS-1/8
8/6	G 1/4"	8	108	14,5	14	10	17	130M-8/6KS-1/4
10/8	G 1/4"	8	107	14,5	16	10	17	130M-10/8KS-1/4

Accessories



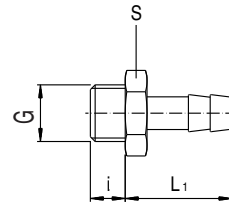
Straight male adaptor, push-on, barbed

Cylindrical

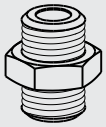
Material: brass, nickel plated

Temperature range: -40°C ... +120°C

Maximum pressure: 50 bar



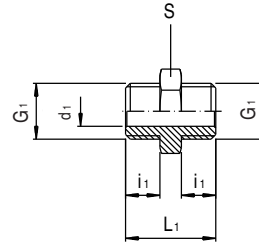
Hose-Ø (inner)	Port size G	L1	i	S	Type
1,6-2	M 5	12	4	8	260M-2-M5
2,7-3	M 5	12	4	8	260M-3-M5
3,5-4	M 5	20	4	8	260M-4-M5
5-6	G 1/8"	25	6	13	260M-7-1/8
5-6	G 1/4"	26,5	8	16	260M-7-1/4
6-7	G 1/8"	25	6	13	260M-8-1/8
6-7	G 1/4"	26,5	8	16	260M-8-1/4
7-8	G 1/8"	25	6	13	260M-9-1/8
7-8	G 1/4"	26,5	8	16	260M-9-1/4
7-8	G 3/8"	26,5	9	16	260M-9-3/8
9-10	G 1/4"	24,5	8	17	260M-10-1/4
10-11	G 1/4"	26,5	8	16	260M-12-1/4
10-11	G 3/8"	26,5	9	19	260M-12-3/8
10-11	G 1/2"	29,5	10	24	260M-12-1/2
12-13	G 1/4"	24,5	8	17	260M-14-1/4
12-13	G 3/8"	24,5	9	19	260M-14-3/8
12-13	G 1/2"	25	10	24	260M-14-1/2
15-16	G 3/8"	30,5	9	19	260M-17-3/8
15-16	G 1/2"	31,5	10	24	260M-17-1/2
18-19	G 1/2"	29,5	10	24	260M-20-1/2



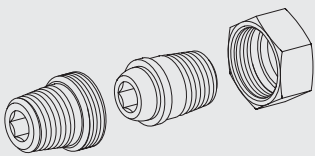
Nipple

Cylindrical
Material: brass, nickel plated
Temperature range: -40°C ...+120°C
Maximum pressure: 50 bar

Conical versions on request.



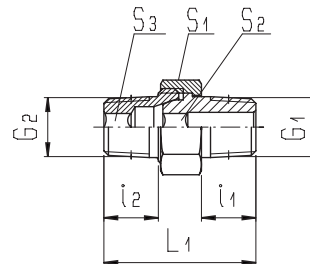
Port size G	L1	i1	d1	S	Type
M5	11,5	4	2	8	250M-M5
G 1/8"	16,5	6	5	13	250M-1/8
G 1/4"	21	8	7	17	250M-1/4
G 3/8"	23	9	10	19	250M-3/8
G 1/2"	25,5	10	13	24	250M-1/2



Nipple, 3-piece

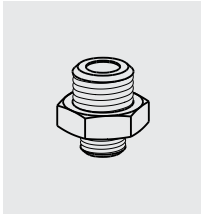
Conical
Material: brass, nickel plated
Temperature range: -40°C ...+120°C
Maximum pressure: 16 bar

Non nickel plated version with NBR
O-ring-seal inside on request.



Port size G1	Port size G2	L1	i1	i2	S1	S2	S3	Type
1/8" K	1/8" K	27	9	9	15	5	5	230M-1/8K
1/4" K	1/4" K	33,5	12	12	19	6	6	230M-1/4K
3/8" K	3/8" K	36,5	13	13	22	8	8	230M-3/8K
1/2" K	1/2" K	44	16	16	27	12	12	230M-1/2K
3/4" K	3/4" K	52,5	16,5	16,5	36	14	14	230M-3/4K

Accessories



Reducing Nipple, male-male

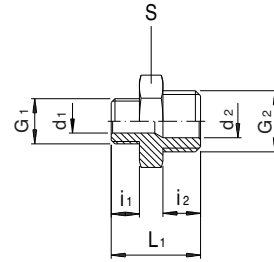
Cylindrical

Material: brass, nickel plated

Temperature range: -40°C ... +120°C

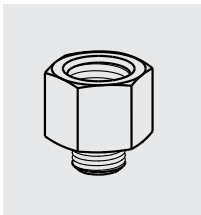
Maximum pressure: 50 bar

Conical versions on request.



Port size G1	Port size G2	L1	i1	d1	i2	d2	S	Type
M 5	G 1/8"	14,5	4	2	6	5	14	251M-M5-1/8
G 1/8"	G 1/4"	19	6	5	8	7	17	251M-1/8-1/4
G 1/8"	G 3/8"	20	6	5	9	9,5	19	251M-1/8-3/8
G 1/8"	G 1/2"	21,5	6	5	10	13	24	251M-1/8-1/2
G 1/4"	G 3/8"	22	8	7	9	10	19	251M-1/4-3/8
G 1/4"	G 1/2"	23,5	8	7	10	13	24	251M-1/4-1/2
G 3/8"	G 1/2"	24,5	9	10	10	14	24	251M-3/8-1/2
G 1/2"	G 3/4"	27,5	10	14	12	18	30	251M-1/2-3/4

Dimensions might vary.



Reducer, female-male

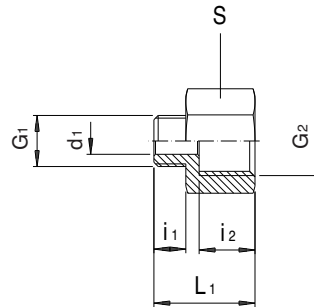
Cylindrical

Material: brass, nickel plated

Temperature range: -40°C ... +120°C

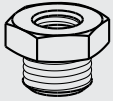
Maximum pressure: 50 bar

Conical versions and orientating versions on request.



Port size G1	Port size G2	L1	i1	d1	i2	S	Type
M 5	M 5	11	4	2	5	8	252M-M5-M5
M 5	G 1/8"	14,5	4	2	8	14	252M-M5-1/8
G 1/8"	G 1/8"	17	6	6	8	14	252M-1/8-1/8
G 1/8"	G 1/4"	20,5	6	6	10,5	17	252M-1/8-1/4
G 1/8"	G 3/8"	21,5	6	6	11,5	22	252M-1/8-3/8
G 1/8"	G 1/2"	24	6	6	15	24	252M-1/8-1/2
G 1/4"	G 1/4"	22,5	8	8	10,5	17	252M-1/4-1/4
G 1/4"	G 3/8"	23,5	8	8	11,5	22	252M-1/4-3/8
G 1/4"	G 1/2"	26,5	8	8	15	26	252M-1/4-1/2
G 3/8"	G 3/8"	24,5	9	12	11,5	22	252M-3/8-3/8
G 3/8"	G 1/2"	27,5	9	12	15	26	252M-3/8-1/2
G 1/2"	G 1/2"	28,5	10	14	15	26	252M-1/2-1/2

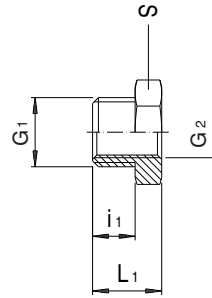
Dimensions might vary.



Reducer male-female

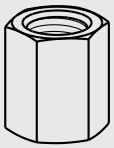
Cylindrical
Material: brass, nickel plated
Temperature range: -40°C ...+120°C
Maximum pressure: 50 bar

Conical versions on request.



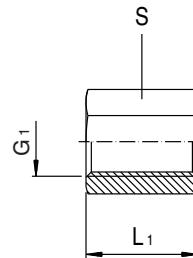
Port size G1	Port size G2	L1	i1	S	Type
G 1/8"	M 5	10,5	6	14	253M-1/8-M5
G 1/4"	G 1/8"	13	8	17	253M-1/4-1/8
G 3/8"	G 1/8"	14	9	19	253M-3/8-1/8
G 1/2"	G 1/8"	15,5	10	24	253M-1/2-1/8
G 3/8"	G 1/4"	14	9	19	253M-3/8-1/4
G 1/2"	G 1/4"	15,5	10	24	253M-1/2-1/4
G 1/2"	G 3/8"	15,5	10	24	253M-1/2-3/8
G 3/4"	G 1/2"	17,5	12	30	253M-3/4-1/2

Dimensions might vary.



Socket, female

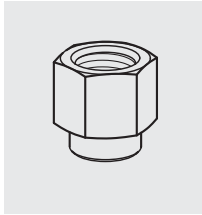
Cylindrical
Material: brass, nickel plated
Temperature range: -40°C ...+120°C
Maximum pressure: 50 bar



Port size G1	L1	S	Type
M 5	11	8	254M-M5
G 1/8"	15	14	254M-1/8
G 1/4"	22	17	254M-1/4
G 3/8"	24	22	254M-3/8
G 1/2"	30	26	254M-1/2
G 3/4"	32	32	254M-3/4

Dimensions might vary.

Accessories



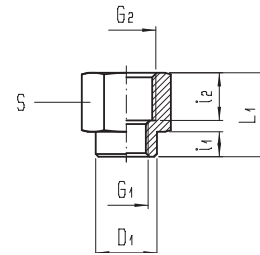
Reducer female-female

Cylindrical

Material: brass, nickel plated

Temperature range: -40°C ...+120°C

Maximum pressure: 50 bar



Port size G1	Port size G2	i1	i2	L1	D1	S	Type
M 5	G 1/8"	5	8	13	8	14	255M-M5-1/8
G 1/8"	G 1/4"	8	10,5	19	13,5	17	255M-1/8-1/4
G 1/8"	G 3/8"	8	11,5	20	13,5	22	255M-1/8-3/8
G 1/8"	G 1/2"	8	15	24	13,5	24	255M-1/8-1/2
G 1/4"	G 3/8"	10,5	11,5	23	17	22	255M-1/4-3/8
G 1/4"	G 1/2"	10,5	15	25	17	24	255M-1/4-1/2
G 3/8"	G 1/2"	11,5	15	27,5	21	24	255M-3/8-1/2
G 1/2"	G 3/4"	12,5	16,5	30	26	30	255M-1/2-3/4

Dimensions might vary.



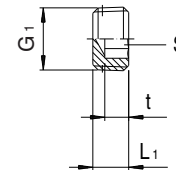
Plug

Conical

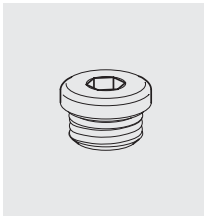
Material: brass

Temperature range: -40°C ...+120°C

Maximum pressure: 50 bar



Csatlakozás G1	L1	t	S	Típuszám
1/8" K	7.5	5	5	257U-1/8K
1/4" K	10	7	6	257U-1/4K
3/8" K	11	7	8	257U-3/8K
1/2" K	13	8	10	257U-1/2K



Male plug with O-ring seal

Cylindrical

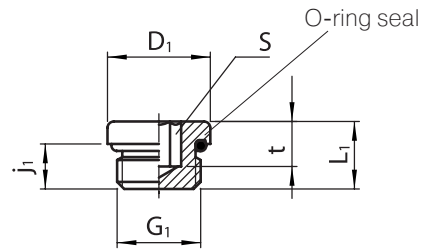
Material: brass, nickel plated

Seal: NBR

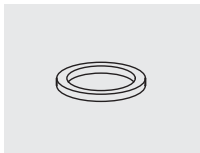
Temperature range: -20°C ...+80°C

Maximum pressure: 50 bar

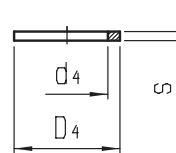
Long version (DIN 908) without seal in brass or steel on request.



Port size G1	i1	L1	D1	S	Type
M 5	4	6	8	2	262M-M5
G 1/8"	6	8,5	14	5	262M-1/8
G 1/4"	8	11	17	6	262M-1/4
G 3/8"	9	12,5	20	8	262M-3/8
G 1/2"	10	13,5	25	10	262M-1/2

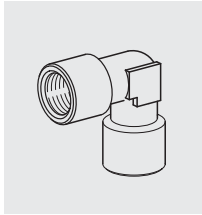


Sealing ring



Port size	Material	Max. Temperature	D4	d4	s	Type
M 5	PVC	70°C	8	5,1	1	269N-M5x1,0
G 1/8" + M 10	PVC	70°C	14	10	1,5	269N-1/8x1,5
G 1/4"	PVC	70°C	17,5	13,5	1,5	269N-1/4x1,5
G 3/8"	PVC	70°C	21	16,7	1,5	269N-3/8x1,5
G 1/2"	PVC	70°C	26	21,3	1,5	269N-1/2x1,5
G 1/8" + M 10	Fiber	90°C	14	10	1,5	264V-1/8x1,5
G 1/4"	Fiber	90°C	17,5	13,5	1,5	264V-1/4x1,5
G 3/8"	Fiber	90°C	21	16,7	1,5	264V-3/8x1,5
G 1/2"	Fiber	90°C	25	21,3	1,5	264V-1/2x1,5
M 5	Alu	120°C	7,5	5,1	0,5	265A-M5x0,5
M 5	Alu	120°C	7,5	5,1	1	265A-M5x1,0
M 5	Alu	120°C	8	5,1	1,5	265A-M5x1,5
G 1/8" + M 10	Alu	120°C	14	10,3	1,5	265A-1/8x1,5
G 1/4"	Alu	120°C	17,5	13,5	1,5	265A-1/4x1,5
G 3/8"	Alu	120°C	21	16,7	1,5	265A-3/8x1,5
G 1/2"	Alu	120°C	25	21,3	1,5	265A-1/2x1,5
G 3/4"	Alu	120°C	32	27,2	1,5	265A-3/4x1,5

Airline Adaptors



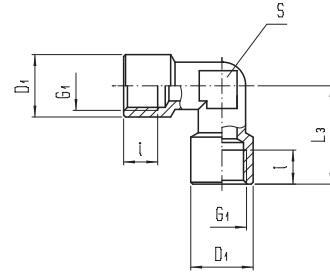
Elbow, female

Cylindrical

Material: brass, nickel plated

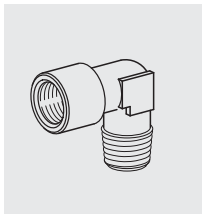
Temperature range: -40°C ...+120°C

Maximum pressure: 50 bar



Port size G1	i	L3	D1	S	Type
G 1/8"	8,5	21	14	11	201M-1/8
G 1/4"	11	25,5	17	13	201M-1/4
G 3/8"	11,5	28	21	17	201M-3/8
G 1/2"	15	32	26,5	20	201M-1/2
G 3/4"	16,5	36,5	32	27	201M-3/4
G 1"	19	45	39	30	201M-1

Dimensions might vary.



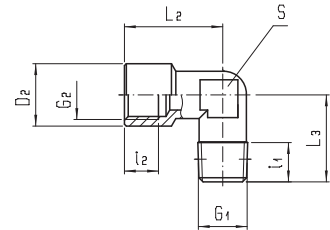
Elbow, female-male

Conical - Cylindrical

Material: brass, nickel plated

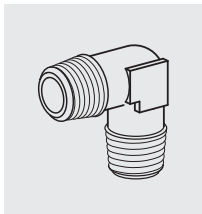
Temperature range: -40°C ...+120°C

Maximum pressure: 50 bar



Port size G1	Port size G2	i1	i2	L2	L3	D2	S	Type
1/8" K	G 1/8"	7,5	8,5	21	18,5	14	11	202M-1/8K-1/8
1/4" K	G 1/4"	11	11	25,5	24	17	13	202M-1/4K-1/4
3/8" K	G 3/8"	11,5	12	28	27	21	17	202M-3/8K-3/8
1/2" K	G 1/2"	14	15	32	29,5	26,5	20	202M-1/2K-1/2
3/4" K	G 3/4"	14,5	16,5	36,5	32	32	27	202M-3/4K-3/4
1" K	G 1"	16	19	45	39	39	30	202M-1K-1

Dimensions might vary.



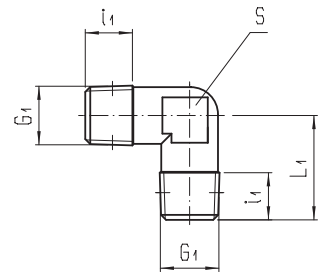
Elbow, male

Conical

Material: brass, nickel plated

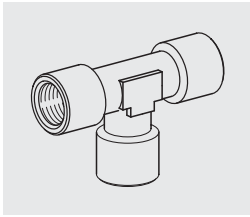
Temperature range: -40°C ...+120°C

Maximum pressure: 50 bar



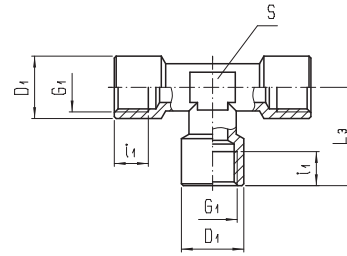
Port size G1	i1	L1	S	Type
1/8" K	7,5	18	11	204M-1/8K
1/4" K	11	24	13	204M-1/4K
3/8" K	12	27	17	204M-3/8K
1/2" K	14	29,5	20	204M-1/2K
3/4" K	14,5	32	27	204M-3/4K
1" K	16,8	39	30	204M-1K

Dimensions might vary.



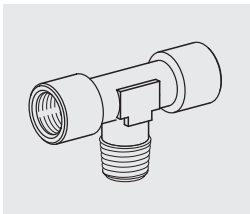
T, female

Cylindrical
Material: brass, nickel plated
Temperature range: -40°C ...+120°C
Maximum pressure: 50 bar



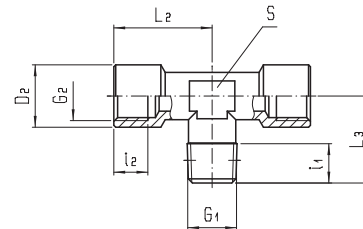
Port size G1	i1	L3	D1	S	Type
G 1/8"	8,5	19,5	14	12	200M-1/8
G 1/4"	11	24,5	17	13	200M-1/4
G 3/8"	12	27	21	16	200M-3/8
G 1/2"	15	32	26,5	20	200M-1/2
G 3/4"	16,5	36,5	32	27	200M-3/4
G 1"	19	45	39	30	200M-1

Dimensions might vary.



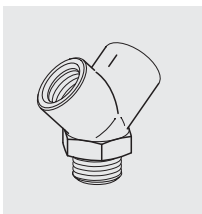
T, male- female-female

Conical - Cylindrical - Cylindrical,
Material: brass, nickel plated
Temperature range: -40°C ...+120°C
Maximum pressure: 50 bar



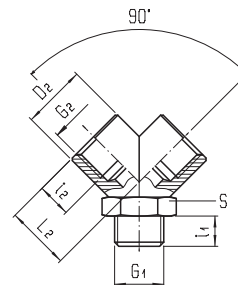
Port size G1	Port size G2	i1	i2	L2	L3	D2	S	Type
1/8" K	G 1/8"	8	8,5	19,5	17,5	14	12	206M-1/8K-1/8
1/4" K	G 1/4"	11	11	24,5	23	17	13	206M-1/4K-1/4
3/8" K	G 3/8"	11,5	12	27	25,5	21	16	206M-3/8K-3/8
1/2" K	G 1/2"	14	15	32	29	26,5	20	206M-1/2K-1/2
3/4" K	G 3/4"	14,5	16,5	36,5	32	32	27	206M-3/4K-3/4
1" K	G 1"	16,8	19	45	39	39	30	206M-1K-1

Dimensions might vary.



Y, male-female-female

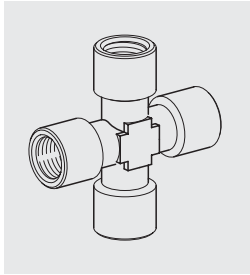
Conical - Cylindrical - Cylindrical
Material: brass, nickel plated
Temperature range: -40°C ...+120°C
Maximum pressure: 50 bar



Port size G1	Port size G2	i1	i2	L2	D2	S	Type
1/8" K	G 1/8"	9	8	15	14	14	216M-1/8K-1/8
1/4" K	G 1/4"	11	11	17	17	17	216M-1/4K-1/4
3/8" K	G 3/8"	12,5	11,5	18	21	22	216M-3/8K-3/8
1/2" K	G 1/2"	16,5	14	25	26,5	26	216M-1/2K-1/2

Dimensions might vary.

Airline Adaptors



Cross, female

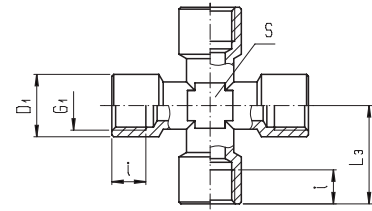
Cylindrical

Material:

brass, nickel plated

Temperature range: -40°C ...+120°C

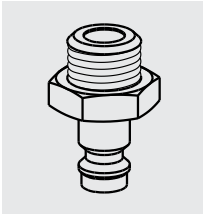
Maximum pressure: 50 bar



Port size G1	i1	L3	D1	S	Type
G 1/8"	8,5	19,5	14	11	203M-1/8
G 1/4"	11	25	17	13	203M-1/4
G 3/8"	12	28	21	17	203M-3/8
G 1/2"	15	32	26,5	20	203M-1/2

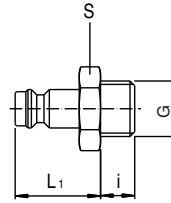
Dimensions might vary.

*This is only a selection of Airline Adaptors.
Numerous other version are available on request.*



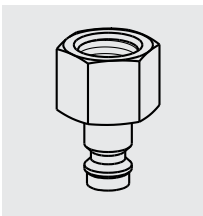
Straight plug, male

Cylindrical
Material: brass, nickel plated
Temperature range: -20°C ...+80°C
Maximum pressure: 16 bar



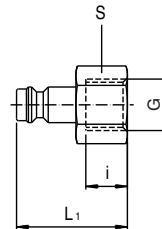
Orifice	Port-size G	i	L1	S	Type
5	G 1/8"	6	18,5	13	515M-1/8
5	G 1/4"	8	19	17	515M-1/4
8	G 1/4"	8	25	17	518M-1/4
8	G 3/8"	9	25	19	518M-3/8
8	G 1/2"	10	25,5	24	518M-1/2

S 24 = octagonal



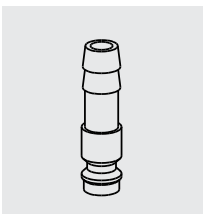
Straight plug, female

Cylindrical
Material: brass, nickel plated
Temperature range: -20°C ...+80°C
Maximum pressure: 16 bar



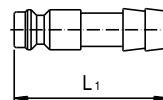
Orifice	Port-size G	i	L1	S	Type
5	G 1/8"	8	24	13	535M-1/8
5	G 1/4"	10,5	27	17	535M-1/4
8	G 1/4"	10,5	33	17	538M-1/4
8	G 3/8"	11,5	34	19	538M-3/8
8	G 1/2"	15	38	24	538M-1/2

S 24 = octagonal



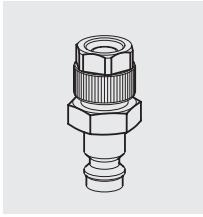
Straight plug, push-on, barbed

Material: brass, nickel plated
Temperature range: -20°C ...+80°C
Maximum pressure: 16 bar



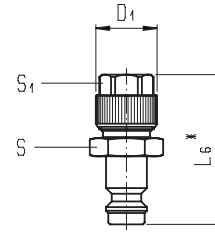
Orifice	Hose-Ø (inner)	L1	Type
5	4 - 5	33,5	565M-6
5	7 - 8	33,5	565M-9
8	4 - 5	39,5	568M-6
8	7 - 8	39,5	568M-9
8	10 - 11	39,5	568M-12
8	12 - 13	39,5	568M-14

Automatic Quick couplings



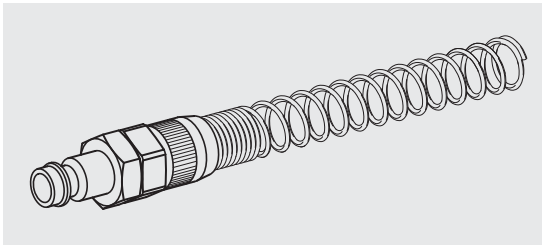
Straight plug, push-on

Material: brass, nickel plated
 Temperature range: -20°C ...+80°C
 Maximum pressure: 16 bar



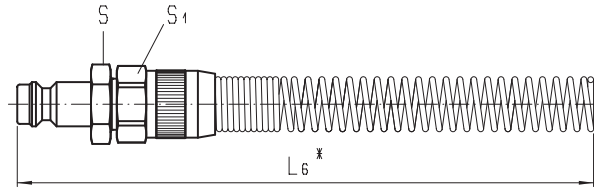
* approximate

Orifice	Hose-Ø	L6	D1	S1	S	Type
5	6/4	33	11,5	10	12	545M-6/4
5	8/6	33	13,5	12	14	545M-8/6
8	8/6	39	13,5	12	14	548M-8/6
8	10/8	40,5	15,5	13	14	548M-10/8



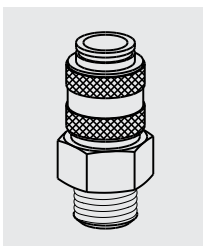
Straight plug, push-on with spiral

Material: brass, nickel plated
 Temperature range: -20°C ...+80°C
 Maximum pressure: 16 bar



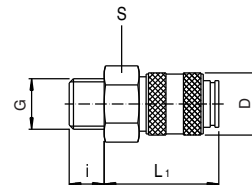
* approximate

Orifice	Hose-Ø	L6	S1	S	Type
5	6/4	118	12	12	585M-6/4
5	8/6	119	14	14	585M-8/6
8	8/6	125	14	14	588M-8/6
8	10/8	125	16	14	588M-10/8

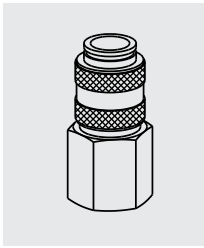


Straight socket, male

Cylindrical
 Material: brass, nickel plated
 Temperature range: -20°C ...+80°C
 Maximum pressure: 16 bar

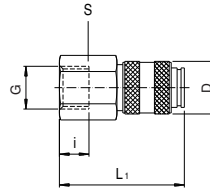


Orifice	Port size G	i	L1	D	S	Typew
5	G 1/8"	7	30	17	14	551M-1/8
5	G 1/4"	9	29	17	17	551M-1/4
8	G 1/4"	9	31	27	22	581M-1/4
8	G 3/8"	10	31	27	22	581M-3/8
8	G 1/2"	10	31	27	24	581M-1/2

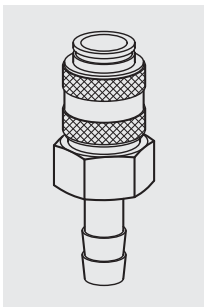


Straight socket, female

Cylindrical
Material: brass, nickel plated
Temperature range: -20°C ...+80°C
Maximum pressure: 16 bar

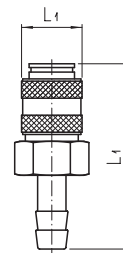


Orifice	Port size G	i	L1	D	S	Type
5	G 1/8"	9	37	17	14	553M-1/8
5	G 1/4"	9	38	17	17	553M-1/4
8	G 1/4"	9	41	27	22	583M-1/4
8	G 3/8"	9	41	27	22	583M-3/8
8	G 1/2"	10	41	27	24	583M-1/2

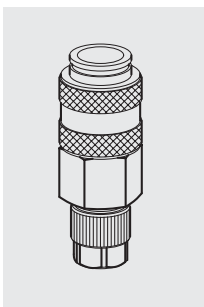


Straight socket, push-on, barbed

Material: brass, nickel plated
Temperature range: -20°C ...+80°C
Maximum pressure: 16 bar

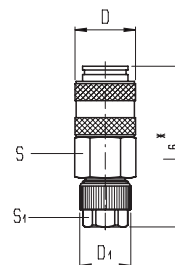


Orifice	Hose-Ø (inner)	L1	D	Type
8	4 - 5	55	27	586M-6
8	7 - 8	55	27	586M-9
8	12 - 13	55	27	586M-14



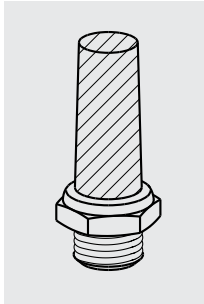
Straight socket, push-on

Material: brass, nickel plated
Temperature range: -20°C ...+80°C
Maximum pressure: 16 bar



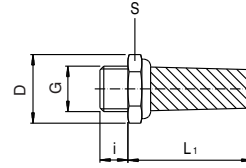
Orifice	Hose-Ø	L6	D	D1	S1	S	Type
5	6/4	44,5	17	11,5	10	14	554M-6/4
5	8/6	44,5	17	13,5	12	14	554M-8/6

Silencers



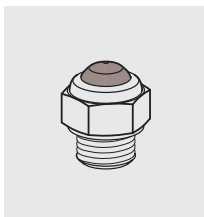
Silencer, long

Cylindrical
Material: sintered bronze
Temperature range: -40°C ...+130°C
Maximum pressure: 10 bar



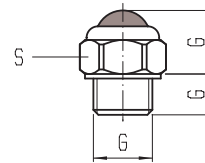
Port size G	L1	i	D	S	Type
M 5	14	4	8	7	293U-M5
G 1/8"	21	6	16	13	293U-1/8
G 1/4"	27	8	19,5	17	293U-1/4
G 3/8"	34	8	25	19	293U-3/8
G 1/2"	58	10	31	24	293U-1/2
G 3/4"	65	15	37	32	293U-3/4
G 1"	68	12	44	36	293U-1

Dimensions might vary.



Silencer, short

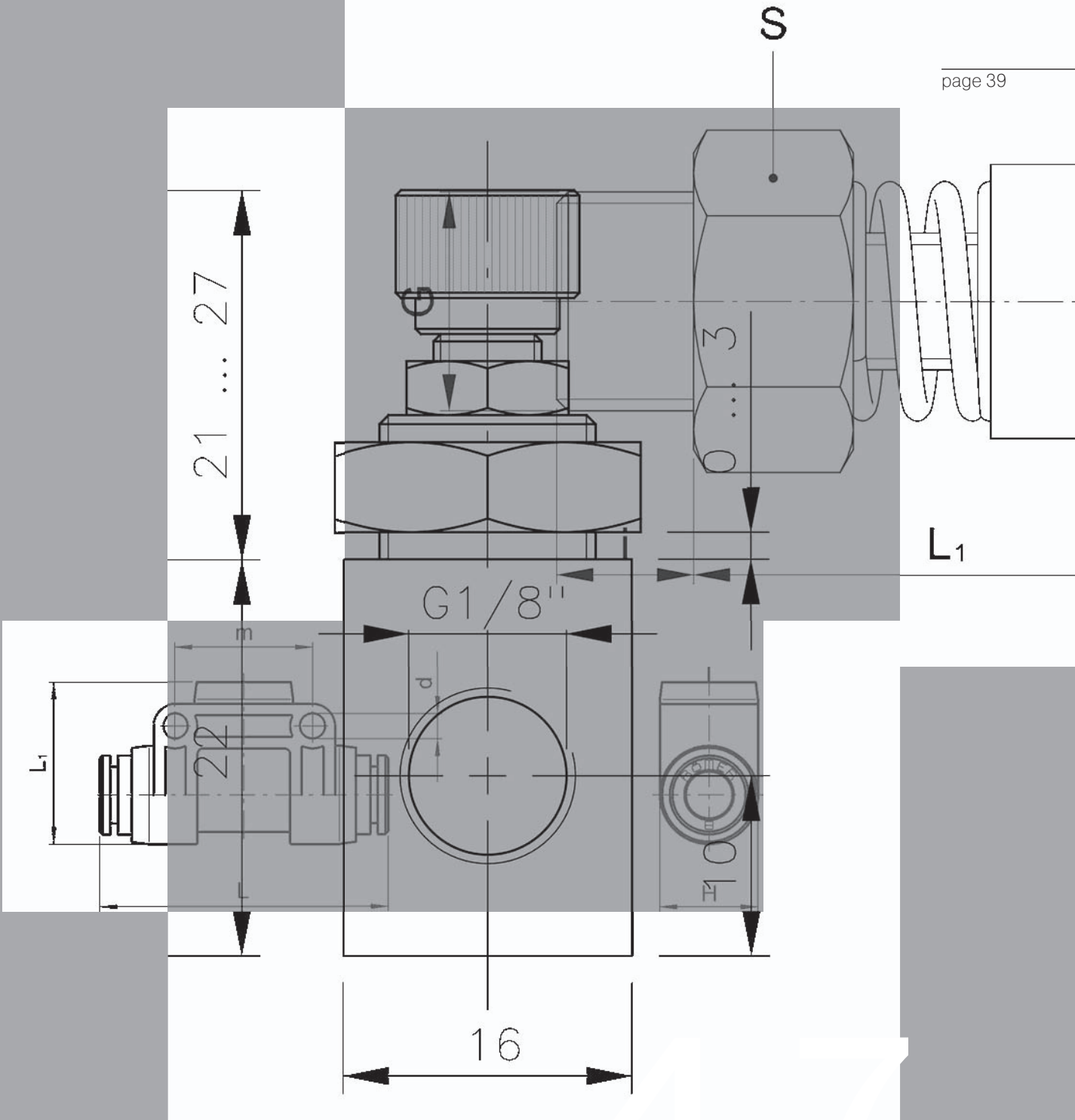
Cylindrical
Material: brass, sintered bronze
Temperature range: -40°C ...+130°C
Maximum pressure: 10 bar



Port size G	L1	i	S	Type
G 1/8"	8,5	6	13	290U-1/8
G 1/4"	11	8	16	290U-1/4
G 3/8"	11,5	8	19	290U-3/8
G 1/2"	14,5	9	24	290U-1/2
G 3/4"	15,5	10	30	290U-3/4

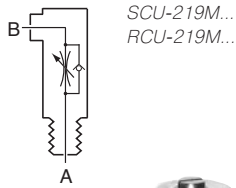
Dimensions might vary.

*Other types of silencers are available on request.
Flow-control silencers are displayed on page 4.7.4.*

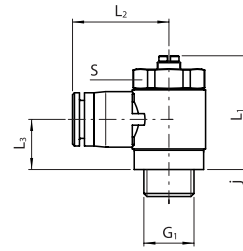


Function Fittings

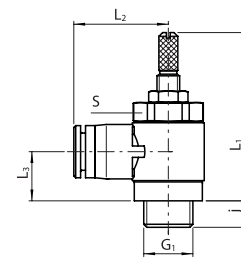
Function Fittings



SCU-219M...
RCU-219M...



SCU...



RCU...

SCU.../RCU
Exhaust-Air flow control
(one-directional, cylinder-side)

SCU operated with a screw-driver
RCU operated manually

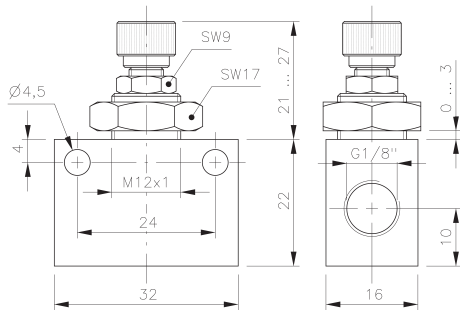
Material valve: brass, nickel plated
Material fitting: POM
Pressure range: 0,2 ... 10 bar
Temperature range: -10°C ...+80°C

Other versions to be ordered in same dimensions:

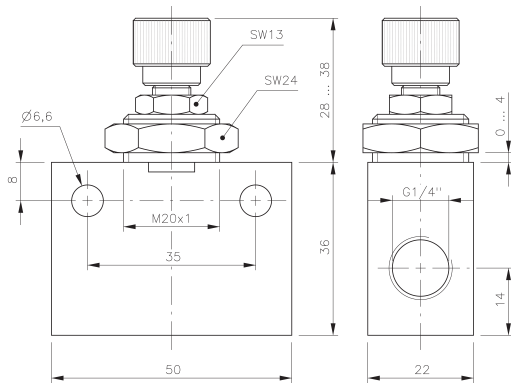
SUC /RUC one-directional, valve-side
SCO/RCO bi-directional

Other versions especially other hose connection (push-on, screw-in) are available on request.

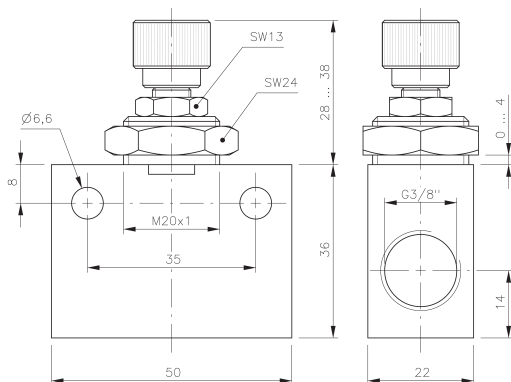
Type	Orifice	Air flow	Port size	Hose-Ø	i	L1max	L2	L3	S
SCU-219M-M5N-4P	1,5	0 - 70 l/min	M 5	4	4	21,5	17,5	7,5	8
SCU-219M-M5N-6P	1,5	0 - 70 l/min	M 5	6	4	21,5	18,5	7,5	8
SCU-219M-1/8N-4P	2,5	0 - 280 l/min	G 1/8"	4	5	30	22	12	14
SCU-219M-1/8N-6P	2,5	0 - 280 l/min	G 1/8"	6	5	30	22,5	12	14
SCU-219M-1/8N-8P	2,5	0 - 280 l/min	G 1/8"	8	5	30	23	12	14
SCU-219M-1/4N-6P	4,5	0 - 400 l/min	G 1/4"	6	6,5	32	24,5	13	17
SCU-219M-1/4N-8P	4,5	0 - 400 l/min	G 1/4"	8	6,5	32	25	13	17
SCU-219M-3/8N-10P-A	6,5	0 - 1000 l/min	G 3/8"	10	8,5	34	30,5		20
SCU-219M-3/8N-12P-A	6,5	0 - 1000 l/min	G 3/8"	12	8,5	34	32,5		20
SCU-219M-1/2N-12P-A	7	0 - 1250 l/min	G 1/2"	12	10	37	35		24
RCU-219M-M5-4P-A	1,5	0 - 70 l/min	M 5	4	5,5	37,5	19,5		8
RCU-219M-M5-6P-A	1,5	0 - 70 l/min	M 5	6	5,5	37,5	21		8
RCU-219M-1/8N-4P	2,5	0 - 280 l/min	G 1/8"	4	5	44	22	12	14
RCU-219M-1/8N-6P	2,5	0 - 280 l/min	G 1/8"	6	5	44	22,5	12	14
RCU-219M-1/8N-8P	2,5	0 - 280 l/min	G 1/8"	8	5	44	23	12	14
RCU-219M-1/4N-6P	4,5	0 - 400 l/min	G 1/4"	6	6,5	47	24,5	13	17
RCU-219M-1/4N-8P	4,5	0 - 400 l/min	G 1/4"	8	6,5	47	25	13	17
RCU-219M-3/8N-10P-A	6,5	0 - 1000 l/min	G 3/8"	10	8,5	56,5	30,5		20
RCU-219M-3/8N-12P-A	6,5	0 - 1000 l/min	G 3/8"	12	8,5	56,5	32,5		20
RCU-219M-1/2N-12P-A	7	0 - 1250 l/min	G 1/2"	12	10	59	35		24



DR 501/D 501



DR 801/D 801



DR 101/D 101



Block form flow regulator.

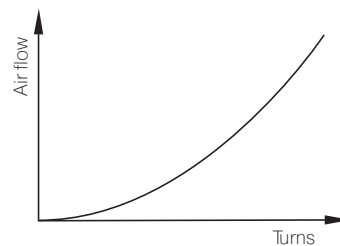
Type DR: uni-directional block form flow regulator. Air streaming in the direction of the throttle can be regulated by turning the spindle. In the opposite direction air streams unthrottled.

Type D: bi-directional flow regulator. Air is regulated in both directions.

The throttle can be adjusted very precisely along the entire regulation range.

Adjustment can be locked.

Suitable for wall and panel mounting.
Nut is included.

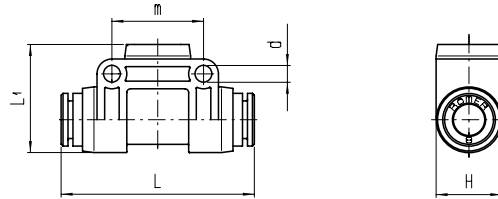


Model	Port size	Air flow	Airflow in opposite direction	Operating press.	Weight
D_501	G 1/8"	450 l/min	450 l/min	0,5 - 10 bar	0,04 kg
D_801	G 1/4"	1150 l/min	1150 l/min	0,5 - 10 bar	0,13 kg
D_101	G 3/8"	1450 l/min	1450 l/min	0,5 - 10 bar	0,13 kg

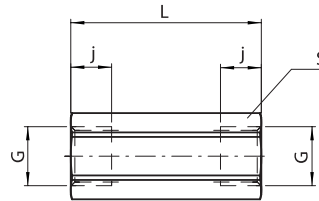
Function Fittings



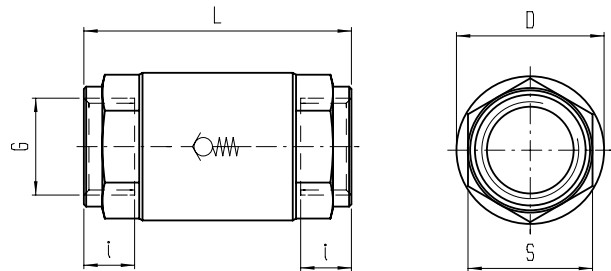
VNR-958...
VNR-133...
VSR-333...



VNR-958...



VNR-133...



VSR-333...

VNR 958 _ _ _
Non-return valve
popped check valve

Material valve: POM
Pressure range: 0,2 ... 10 bar
Temperature range: -10°C ... +60°C
Use: Compressed air only

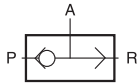
VNR-133 _ _ _
Non-return valve
ball check valve

Material valve: brass, nickel plated
Pressure range: 0,2 ... 16 bar
Temperature range: -10°C ... +90°C
Use: Neutral medium

VSR-333 _ _ _
Non-return valve
popped check valve

Material valve: brass, nickel plated
Pressure range: 0,2 ... 16 bar
Temperature range: -10°C ... +90°C
Use: Neutral medium

Type	Orifice	Air flow	Hose-Ø	Port-size	i	L	L1	H	m	d	S/D
VNR-958 P45-4	4,5	max. 330 l/min	4			49	28,5	17	24	4	
VNR-958 P45-6	4,5	max. 330 l/min	6			50	28,5	17	24	4	
VNR-958 P45-8	4,5	max. 330 l/min	8			50,5	28,5	17	24	4	
VNR-133-M40-1/8B	4	Kv. 0,5 m3/h		G 1/8"	8	35					13
VNR-133-M60-1/4B	6	Kv. 0,9 m3/h		G 1/4"	9	44					17
VSR-333-3/8	10			G 3/8"	11	50					19
VSR-333-1/2	15			G 1/2"	13	55					23
VSR-333-3/4	20			G 3/4"	14	62					29
VSR-333-1	25			G 1"	17	72					35

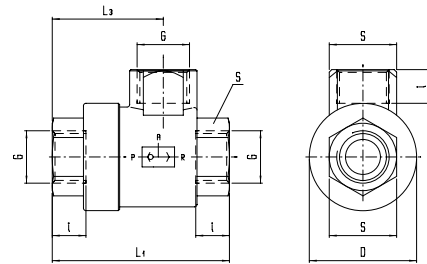


SEA... **SEA** ___
Quick exhaust valve



Material valve: brass, nickel plated, NBR
 Pressure range: 0,3 ... 10 bar
 Temperature range: -18°C ... +70°C
 Use: Compressed air only

On request: Block-form flow regulators made from aluminium, port size G1/8", G1/4", G1/2".



SEA...

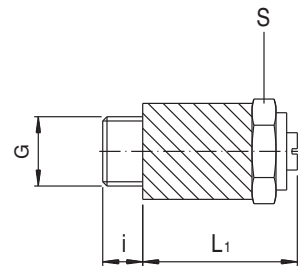
Type	Air flow	Port size	L1	S	D
SEA-M5-A	110 l/min	M 5	25	17	24
SEA-G1/8-A	680 l/min	G 1/8"	42	15	29
SEA-G1/4-A	1200 l/min	G 1/4"	54	19	34
SEA-G3/8-A	2300 l/min	G 3/8"	60,5	22	40
SEA-G1/2-A	3500 l/min	G 1/2"	72	26	45
SEA-G3/4-A	4000 l/min	G 3/4"	88	32	50



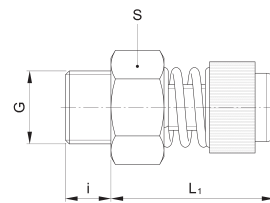
SSC-219M...
SVE... **SSC** ___
SVE ___
Flow control silencer



Material valve: brass,
 Material silencer: sintered bronze
 Pressure range: 0 ... 12 bar
 Temperature range: -10°C ... +80°C
 Use: Compressed air only



SSC...



SVE...

Type	Orifice	Air flow	Port size	i	L1	S
SSC-219M-1/8	2,5	max.320 l/min	G 1/8"	5	30	14
SSC-219M-1/4	4,5	max.650 l/min	G 1/4"	7,5	31	17
SVE-1/8-C			G 1/8"	6	22	
SVE-1/4-C			G 1/4"	8	24	
SVE-3/8-C			G 3/8"	10	28	
SVE-1/2-C			G 1/2"	11	29	
SVE-3/8-C			G 3/8"	12	37	

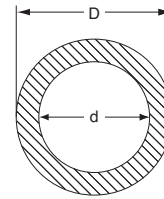
Pneumatic tube



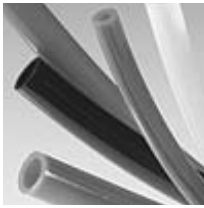
PUR Tube

Material: PUR (Polyurthane)
 Temperature range: -35°C ...+65°C
 Standard length: 50 m

Other colours or dimensions on request.



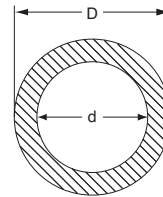
Tube diameter		Pressure range [bar]			Colour	Type
D	d	-35°C...+20°C	+40°C	+60°C		
4	2	21	16	13	black	CPU 4/2 F
4	2	21	16	13	blue	CPU 4/2 K
4	2	21	16	13	white	CPU 4/2 N
4	2,5	15	11	9	black	CPU 4/2,5 F
4	2,5	15	11	9	blue	CPU 4/2,5 K
4	2,5	15	11	9	white	CPU 4/2,5 N
5	3	16	12	10	black	CPU 5/3 F
5	3	16	12	10	blue	CPU 5/3 K
5	3	16	12	10	white	CPU 5/3 N
6	4	14	11	9	black	CPU 6/4 F
6	4	14	11	9	blue	CPU 6/4 K
6	4	14	11	9	white	CPU 6/4 N
8	6	12	9	7	black	CPU 8/6 F
8	6	12	9	7	blue	CPU 8/6 K
8	6	12	9	7	white	CPU 8/6 N
10	8	9	7	6	black	CPU 10/8 F
10	8	9	7	6	blue	CPU 10/8 K
10	8	9	7	6	white	CPU 10/8 N
12	9	10	8	6	black	CPU 12/9 F
12	9	10	8	6	blue	CPU 12/9 K
12	9	10	8	6	white	CPU 12/9 N
14	11	8	6	5	black	CPU 14/11 F
14	11	8	6	5	blue	CPU 14/11 K
14	11	8	6	5	white	CPU 14/11 N



PA Tube

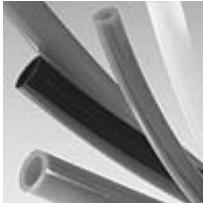
Material: PA (Poliamide)
 Temperature range: -60°C ...+100°C
 Standard length: 50 m

Other colours or dimensions on request.



Tube diameter		Pressure range [bar]			Colour	Type
D	d	-60°C...+23°C	+40°C	+80°C		
4	2	44	33	21	black	CPA 4/2 F
4	2	44	33	21	blue	CPA 4/2 K
4	2	44	33	21	white	CPA 4/2 N
4	2,5	31	23	15	black	CPA 4/2,5 F
4	2,5	31	23	15	blue	CPA 4/2,5 K
4	2,5	31	23	15	white	CPA 4/2,5 N
5	3	34	25	16	black	CPA 5/3 F
5	3	34	25	16	blue	CPA 5/3 K
5	3	34	25	16	white	CPA 5/3 N
6	4	27	20	13	black	CPA 6/4 F
6	4	27	20	13	blue	CPA 6/4 K
6	4	27	20	13	white	CPA 6/4 N
8	6	19	14	9	black	CPA 8/6 F
8	6	19	14	9	blue	CPA 8/6 K
8	6	19	14	9	white	CPA 8/6 N
10	8	15	11	7	black	CPA 10/8 F
10	8	15	11	7	blue	CPA 10/8 K
10	8	15	11	7	white	CPA 10/8 N
12	9	19	14	9	black	CPA 12/9 F
12	9	19	14	9	blue	CPA 12/9 K
12	9	19	14	9	white	CPA 12/9 N
12	10	12	9	6	black	CPA 12/10 F
12	10	12	9	6	blue	CPA 12/10 K
12	10	12	9	6	white	CPA 12/10 N
14	11	16	12	8	black	CPA 14/11 F
14	11	16	12	8	blue	CPA 14/11 K
14	11	16	12	8	white	CPA 14/11 N
16	13	14	10	7	black	CPA 16/13 F
16	13	14	10	7	blue	CPA 16/13 K
16	13	14	10	7	white	CPA 16/13 N
22	18	13	10	6	black	CPA 22/18 F
22	18	13	10	6	blue	CPA 22/18 K
22	18	13	10	6	white	CPA 22/18 N

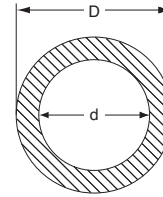
Pneumatic tube



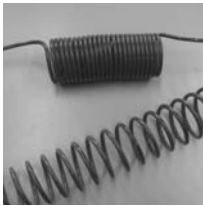
PTFE Tube

Material: PTFE
 Temperature range: -200°C ...+260°C
 Standard length: 50 m

Other dimensions on request.



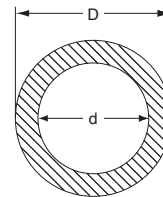
Tube diameter		Pressure range [bar]			Colour	Type
D	d	...+20°C	+75°C	+150°C		
4	2	20	15	11	white	CPT 4/2 N
5	3	15	12	8	white	CPT 5/3 N
6	4	12	9	6	white	CPT 6/4 N
8	6	9	7	5	white	CPT 8/6 N
10	8	7	5	4	white	CPT 10/8 N
12	10	6	5	3	white	CPT 12/10 N



Spiral Tube

Material: PA
 Temperature range: -60°C ...+160°C
 Standard length: L = 5 m and 7,5 m

Other dimensions on request.



Tube diameter		L [m]	Pressure range [bar]			Colour	Type
D	d		-60°C...+23°C	+40°C	+80°C		
6	4	5	27	20	13	blue	SPA 6/4-5m
8	6	5	19	14	9	blue	SPA 8/6-5m
10	8	5	15	11	7	blue	SPA 10/8-5m
12	9	5	19	14	9	blue	SPA 12/9-5m
6	4	7,5	27	20	13	blue	SPA 6/4-7,5m
8	6	7,5	19	14	9	blue	SPA 8/6-7,5m
10	8	7,5	15	11	7	blue	SPA 10/8-7,5m
12	9	7,5	19	14	9	blue	SPA 12/9-7,5m

Hafner-Pneumatik Krämer KG
Stammheimer Straße 10

D-70806 Kornwestheim

Phone +49 - 71 54 - 82 72 60
Fax +49 - 71 54 - 82 72 68

info@hafner-pneumatik.de
www.hafner-pneumatik.de

Hafner Pneumatika Kft.
Püski út 3.

H-9228 Halászi

Phone +36 - 96 - 57 30 12
Fax +36 - 96 - 21 06 15

ertekezesites@hafner-pneumatika.com
www.hafner-pneumatika.com