When the pilot signal is removed, these fittings ensure the safety of operators and protect the installation by cutting off the supply of compressed air in the circuit.

Ø metric:
4 to 12 mm

Technical Characteristics

- **Compatible Fluids:** compressed air
- **Working Pressure:** 1 to 10 bar
- **Working Temperature:** -20°C to +70°C
  -25°C to +70°C (metal version)

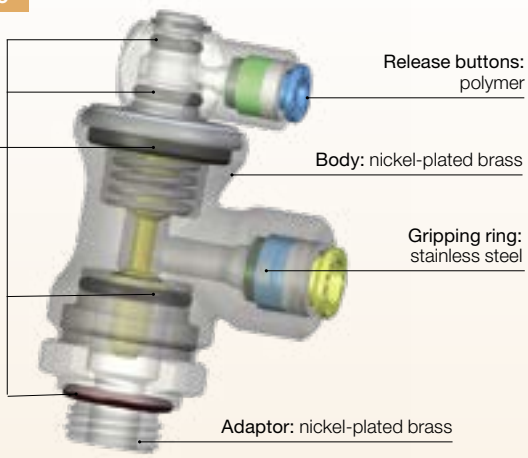
Connection	Supply Flow 6 bar	Pilot and depilot threshold depending on supply pressure					
			2 bar	4 bar	6 bar	8 bar	10 bar
ØD 6 and 8 mm, threads G1/8, G1/4, R1/8, R1/4	650Nl /min	Pilot Pressure	2.40	2.90	3.30	3.60	4.00
	650Nl /min	Depilot Pressure	1.50	1.80	2.15	2.40	2.80
ØD 10 and 12 mm, threads G3/8, G1/2, R3/8, R1/2	1600Nl /min	Pilot Pressure	2.70	3.20	3.50	3.80	4.10
	1600Nl /min	Depilot Pressure	1.40	1.80	2.10	2.40	2.70

Reliable performance is dependent upon the type of fluid conveyed and component materials being used.

Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

Component Materials

Silicone-free



Advantages

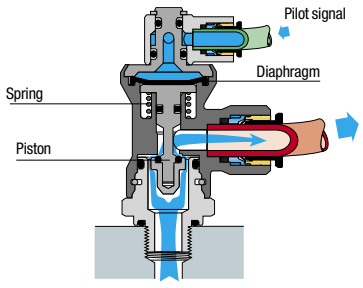
- Mounted in pairs on a cylinder
- Compact size to fit into any configuration
- Proven endurance according to the requirements of DI 2006/42/EC (B10d = 10 000 000 cycles at a frequency of 1Hz, according to ISO 19973)
- Can be rotated 360° during assembly
- Spark resistance, for welding applications

Regulations

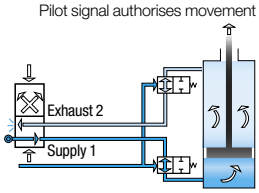
- **RoHS**
- **PED**
- **REACH**
- **B10d >110 millions of cycles**

Operation

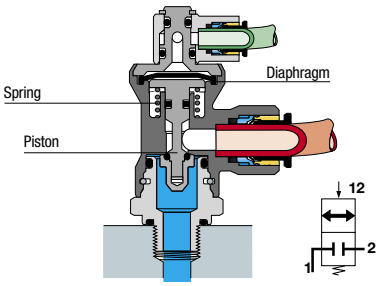
Cylinder in Operation (pilot signal active)



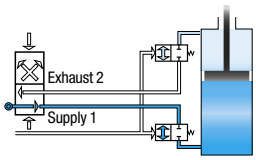
Pilot signal authorises movement



Cylinder Blocked (pilot signal removed)

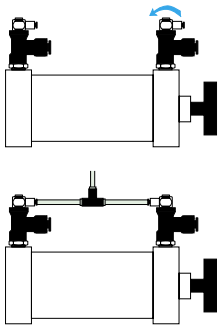


No signal blocks movement



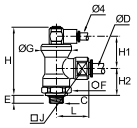
Installation

Mounted in pairs, blocking fittings are installed directly on the cylinder. Being fully orientable, they offer excellent flexibility in the design and installation of pneumatic circuits.



7880 Blocking Fitting, Male BSPP Thread

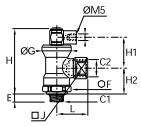
Nickel-plated brass, NBR



ØD	C		E	F	G	H	H1	H2	J	L	Kg
6	G1/8	**7880 06 10**	5.5	21	24	53	24.5	21	17	28	0.127
	G1/4	**7880 06 13**	6.5	21	24	53	24.5	21	17	28	0.130
8	G1/4	**7880 08 13**	6.5	21	24	53	24.5	21	17	28	0.124
	G3/8	**7880 08 17**	7.5	21	24	53	24.5	21	17	28	0.127
10	G3/8	**7880 10 17**	7.5	24	28	58	25	25	27	35	0.210
12	G1/2	**7880 12 21**	9	24	28	58	25	25	27	37.5	0.220

7881 Blocking Fitting, Male/Female BSPP Thread

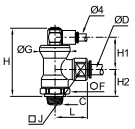
Nickel-plated brass, NBR



C1	C2		E	F	G	H	H1	H2	J	L	Kg
G1/8	G1/4	**7881 13 10**	5.5	21	24	53	24.5	21	17	25.5	0.119
G1/4	G1/4	**7881 13 13**	6.5	21	24	53	24.5	21	17	25.5	0.120
G3/8	G3/8	**7881 17 17**	7.5	24	28	58	25	25	27	34	0.208
G1/2	G1/2	**7881 21 21**	9	24	28	58	25	25	27	40	0.221

7885 Blocking Fitting, Male BSPT Thread

Nickel-plated brass, NBR

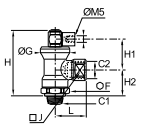


ØD	C		F	G	H	H1	H2	J	L	Kg
6	R1/8	**7885 06 10**	21	24	51.5	25	20	17	28	0.127
	R1/4	**7885 06 13**	21	24	51.5	25	20	17	28	0.131
8	R1/4	**7885 08 13**	21	24	51.5	25	20	17	28	0.126
	R3/8	**7885 08 17**	21	24	51.5	25	20	17	28	0.131
10	R3/8	**7885 10 17**	24	28	57	25	24	27	35	0.217
12	R1/2	**7885 12 21**	24	28	57	25	24	27	37.5	0.229

Pre-coated thread

7886 Blocking Fitting, Male/Female BSPT Thread

Nickel-plated brass, NBR

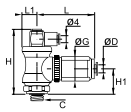


C1	C2		F	G	H	H1	H2	J	L	Kg
R1/8	R1/4	**7886 13 10**	21	24	51.5	25	20	17	26.5	0.121
R1/4	R1/4	**7886 13 13**	21	24	51.5	25	20	17	26.5	0.126
R3/8	R3/8	**7886 17 17**	24	28	57	25	24	27	34	0.225
R1/2	R1/2	**7886 21 21**	24	28	57	25	24	27	40	0.235

Pre-coated thread

7883 Blocker/Flow Regulator, Exhaust, Male BSPP Thread

Nickel-plated brass, technical polymer, NBR



ØD	C		G	H	H1	L	L max	L1	Kg
4	G1/8	**7883 04 10**	21.5	53	21	46.5	52	12	0.166
6	G1/8	**7883 06 10**	21.5	53	21	46.5	52	12	0.163
	G1/4	**7883 06 13**	21.5	53	21	46.5	52	12	0.166
8	G1/4	**7883 08 13**	27	57.5	24.5	54	60	14	0.252
	G3/8	**7883 08 17**	27	57.5	24.5	54	60	14	0.254

Combination of blocking and flow regulation functions
Working temperature: 0 to 70°C