

Non-Return Valves T55, T56 Series

In-Line, Non-Return Valves
M5, 1/8", 1/4", 3/8, 1/2" ISO G, ISO R, NPT

- Permits free flow of air in one direction only
- Simple, reliable design
- Light weight
- Silicone free
- Low cracking pressure
- T56 male connections have an O-ring in parallel threads



Technical Data

Medium:

Compressed air, filtered, lubricated and non-lubricated

Operation:

Non-return valve

Mounting:

Line mounted

Port Sizes:

Metric	ISO G	ISO Rc	NPT
M5 T55M0500	G1/8 T55C1800	Rc1/8 T55B1800	1/8 NPT T55A1800
	G1/4 T55C2800	Rc1/4 T55B2800	1/4 NPT T55A2800
	G3/8 T55C3800	Rc3/8 T55B3800	3/8 NPT T55A3800
	G1/2 T55C4800	Rc1/2 T55B4800	1/2 NPT T55A4800
	G3/4 TS/523		3/4 NPT TC/523
	G1 TS/524		1 NPT TC/524

*High temperature viton seals

Operating Pressure:

1.5 - 145 psi (0.1 - 10 bar)

5 - 230 psi (0.3 - 16 bar)

Operating Temperature:

0°* to 300°F (-20°* to +150°C)

*Consult our Technical Service for use below 35°F (2°C). For high temperature applications (300°F [150°C] Max) TM, TC/520 Series version should be ordered

Materials

T55: Aluminum body (T55), brass (T56), silicone free nitrile rubber 'O' ring, POM valve, stainless steel spring.

TC/TS: Brass body, aluminum valve

High temp viton seals

Ordering Information

To order, quote model number from table on page FIT-3-17, e.g. C/521 for the 1/4 NPT model

Alternative Models

T51 Series in-line push-in non-return valves, see page FIT-3-14

ISO Symbol

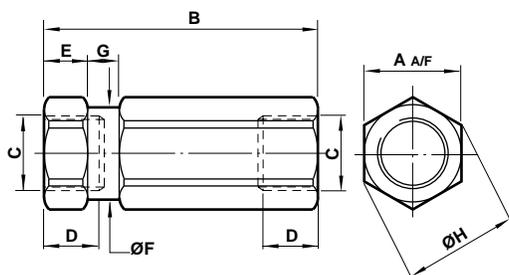




T55 Series

Port Size	Flow Factor Cv**	Flow Factor C*	Cracking pressure (bar)	oz (kg)	Model Metric	BSPB	BSPT	NPT
M5	0.19	0.8	0.73 (0.05)	0.35 (0.010)		T55M0500	T55B1800	T55A1800
1/8	0.59	2.4	0.73 (0.05)	0.53 (0.015)		T55C1800	T55B2800	T55A2800
1/4	1.35	5.5	0.73 (0.05)	0.88 (0.025)		T55C2800	T55B3800	T55A3800
3/8	2.20	9.0	0.73 (0.05)	2.12 (0.060)		T55C3800	T55B4800	T55A4800
1/2	3.70	15.0	0.73 (0.05)	2.82 (0.080)		T55C4800		

* C measured in dm³/(s.bar) ** Cv measured in US gal/min.



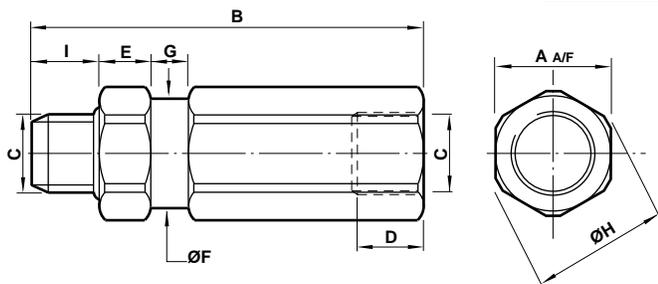
Model	A	B	C	D	E	F	G	H
T55M0500	.43 (11)	1.08 (27.5)	(M5)	.20 (5)	.16 (4)	.42 (10.7)	.12 (3)	.47 (12)
T55A1800	.55 (14)	1.67 (42.5)	(1/8)	-	.28 (7)	.54 (13.7)	.16 (4)	.59 (15)
T55B1800	.55 (14)	1.67 (42.5)	(1/8)	-	.28 (7)	.54 (13.7)	.16 (4)	.59 (15)
T55C1800	.55 (14)	1.67 (42.5)	(1/8)	.28 (7)	.28 (7)	.54 (13.7)	.16 (4)	.59 (15)
T55A2800	.67 (17)	2.13 (54)	(1/4)	-	.31 (8)	.66 (16.7)	.20 (5)	.73 (18.5)
T55B2800	.67 (17)	2.13 (54)	(1/4)	-	.31 (8)	.66 (16.7)	.20 (5)	.73 (18.5)
T55C2800	.67 (17)	2.13 (54)	(1/4)	.41 (10.5)	.31 (8)	.66 (16.7)	.20 (5)	.73 (18.5)
T55A3800	.94 (24)	2.48 (63)	(3/8)	-	.35 (9)	.93 (23.7)	.28 (7)	1.02 (26)
T55B3800	.94 (24)	2.48 (63)	(3/8)	-	.35 (9)	.93 (23.7)	.28 (7)	1.02 (26)
T55C3800	.94 (24)	2.48 (63)	(3/8)	.47 (12)	.35 (9)	.93 (23.7)	.28 (7)	1.02 (26)
T55A4800	1.06 (27)	3.03 (77)	(1/2)	-	.47 (12)	1.05 (26.7)	.39 (10)	1.18 (30)
T55B4800	1.06 (27)	3.03 (77)	(1/2)	-	.47 (12)	1.05 (26.7)	.39 (10)	1.18 (30)
T55C4800	1.06 (27)	3.03 (77)	(1/2)	.59 (15)	.47 (12)	1.05 (26.7)	.39 (10)	1.18 (30)

* Available only with collet tube connection

T56 Series

Port Size	Flow Factor Cv**	Flow Factor C*	Cracking pressure (bar)	oz (kg)	Model Metric	BSPB	BSPT	NPT
M5	0.19	0.55	0.73 (0.05)	0.64 (0.018)	T56M0500			
1/8	0.59	2.4	0.73 (0.05)	1.59 (0.045)		T56C1800	T56B1800	T56A1800
1/4	1.23	5.0	0.73 (0.05)	2.82 (0.080)		T56C2800	T56B2800	T56A2800

* C measured in dm³/(s.bar) ** Cv measured in US gal/min.



Model	A	B	C	D	F	G	H	I
T56M0500	.43 (11)	1.25 (31.8)	(M5)	.20 (5)	.42 (10.7)	.12 (3)	.47 (12)	.17 (4.3)
T56A1800	.55 (14)	1.93 (49)	(1/8)	(-)	.54 (13.7)	.16 (4)	.59 (15)	.37 (9.5)
T56B1800	.55 (14)	1.93 (49)	(1/8)	(-)	.54 (13.7)	.16 (4)	.59 (15)	.37 (9.5)
T56C1800	.55 (14)	1.77 (45)	(1/8)	.28 (7)	.54 (13.7)	.16 (4)	.59 (15)	.22 (5.5)
T56A2800	.67 (17)	2.46 (62.5)	(1/4)	(-)	.66 (16.7)	.20 (5)	.73 (18.5)	.56 (14.3)
T56B2800	.67 (17)	2.32 (59)	(1/4)	(-)	.66 (16.7)	.20 (5)	.73 (18.5)	.43 (11)
T56C2800	.67 (17)	2.21 (56.2)	(1/4)	.41 (10.5)	.66 (16.7)	.20 (5)	.73 (18.5)	.31 (8)