In-line, non-return valves
M5, 1/8 to 1/2 inch
Metric, BSPP, BSPT or NPT

Permit free flow of air in one direction only

Simple, reliable design

Light weight

Silicone free

Low cracking pressure

O-ring in the parallel threads T56 series

Technical data

Medium:
Compressed air, filtered, lubricated and non-lubricated

Operation:
Non-return valve

Mounting:
Line mounted

Port sizes:
Metric, BSPP, BSPT or NPT

Operating pressure:
0,1 to 10 bar

Operating temperature:
-20 to +80°C
(consult our Technical Service for use below +2°C)

Materials:

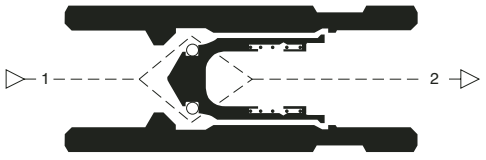
Body: aluminium (T55), brass (T56)
'O' ring: silicone free nitrile
Valve: POM
Spring: stainless steel

Ordering information

See page 2

Alternative models

T51, 52 & 53	Inline push-in non-return valves (plastic)
T520	Heavy duty non-return valves (brass)



General Information

T55

Symbol	Type Metric	BSPP	BSPT	NPT	Port size	Freeflow/flow factor C*1)	Cv	Cracking pressure (bar)
	T55M0500				M5	0.8	0.19	0.05
		T55C1800	T55B1800	T55A1800	1⁄8 inch	2.4	0.59	0.05
		T55C2800	T55B2800	T55A2800	1⁄4 inch	5.5	1.35	0.05
		T55C3800	T55B3800	T55A3800	3⁄8 inch	9.0	2.20	0.05
		T55C4800	T55B4800	T55A4800	1⁄2 inch	15.0	3.70	0.05

T56

Symbol	Type Metric	BSPP	BSPT	NPT	Port size	Free flow/flow factor C*1)	Cv	Cracking pressure (bar)
	T56M0500				M5	0.55	0.19	0.05
		T56C1800	T56B1800	T56A1800	1⁄8 inch	2.4	0.59	0.05
		T56C2800	T56B2800	T56A2800	1⁄4 inch	5.0	1.23	0.05

C*1): measured in dm^3/(s.bar)

Options selector

T5★★★★★★

	Substitute
Female/female ports	**5**
Male/female ports	**6**

Thread	Substitute
Metric	**M**
BSPP	**C**
BSPT	**B**
NPT	**A**

Port size	Substitute
M5	**0500**
1/8 inch	**1800**
1/4 inch	**2800**
3/8 inch	**3800**
1/2 inch	**4800**

Ordering example

Non-return valve, female/female threading 1/8 BSPP
Quote: **T55C1800**

Non-return valve, female/female threading 1/8 NPT
Quote: **T55A1800**

Warning

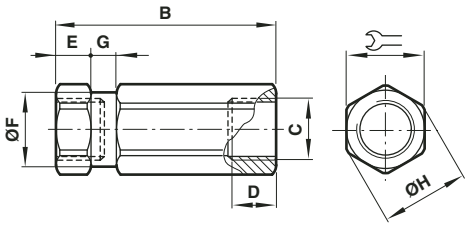
These products are intended for use in industrial systems only. Do not use these products where values can exceed those listed under '**Technical Data**'.

Before using these products specified for non-industrial applications, life-support systems, or other applications not within published specifications, consult **NORGREN**.
Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.
System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.
System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.

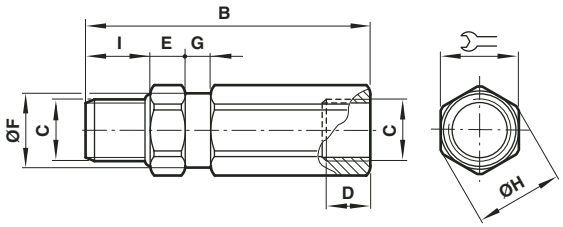
Basic dimensions

T55



Model	⌲	B	C	D	E	ØF	G	ØH	Weight
T55M0500	11	27,5	M5	5	4	10,5	3	12	0,010 kg
T55A1800	14	42,5	1/8 NPT	7	7	13,5	4	15	0,015 kg
T55A2800	17	54	1/4 NPT	10	8	16,5	5	18,5	0,025 kg
T55A3800	24	63	3/8 NPT	13,5	9	23,5	7	26	0,060 kg
T55A4800	27	77	1/2 NPT	13,5	12	26,5	10	30	0,080 kg
T55B1800	14	42,5	R 1/8	7,5	7	13,5	4	15	0,015 kg
T55B2800	17	54	R 1/4	11	8	16,5	5	18,5	0,025 kg
T55B3800	24	63	R 3/8	11,5	9	23,5	7	26	0,060 kg
T55B4800	27	77	R 1/2	15	12	26,5	10	30	0,080 kg
T55C1800	14	42,5	G 1/8	7	7	13,5	4	15	0,015 kg
T55C2800	17	54	G 1/4	10,5	8	16,5	5	18,5	0,025 kg
T55C3800	24	63	G 3/8	12	9	23,5	7	26	0,060 kg
T55C4800	27	77	G 1/2	15	12	26,5	10	30	0,080 kg

T56



Model	⌲	B	C	D	E	ØF	G	ØH	I	Weight
T56M0500	11	31,5	M5	5	4	10,5	3	12	4,5	0,018 kg
T56A1800	14	49	1/8 NPT	7	4,5	13,5	4	15	9,5	0,045 kg
T56A2800	17	62,5	1/4 NPT	10	5	16,5	5	18,5	14,5	0,072 kg
T56B1800	14	49	R 1/8	7,5	4,5	13,5	4	15	9,5	0,045 kg
T56B2800	17	59	R 1/4	11	5	16,5	5	18,5	11	0,072 kg
T56C1800	14	45	G 1/8	7	4,5	13,5	4	15	5,5	0,045 kg
T56C2800	17	56	G 1/4	10,5	5	16,5	5	18,5	8	0,072 kg