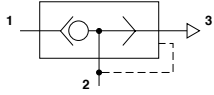


Enables air to be exhausted quickly from air reservoirs and cylinders.

Allows higher cylinder speeds to be achieved.

Simple, compact design and construction.

Very reliable in operation.



Technical data

Medium:

Compressed air, filtered, lubricated and non-lubricated

Operating pressure:

7 to 145 psi (0.5 to 10 bar) (T70)
 10 to 145 psi (0.7 to 10 bar) (S/511)
 10 to 100 psg (0.7 to 7 bar) (S/513, S/514)

Operating temperature:

-4°F to 176°F (-20°C to +80°C).
 Consult our Technical Service for use below 35°F (+2°C).

Materials

Body & cover: zinc alloy (T70*1800 & T70*2800, S/513), aluminum alloy (T70*3800 & T70*4800, S/511, S/514)
 Seals: nitrile (T70), polyurethane (S/51*)
 O-ring: nitrile
 Element: porous plastic (S/513, S/514)

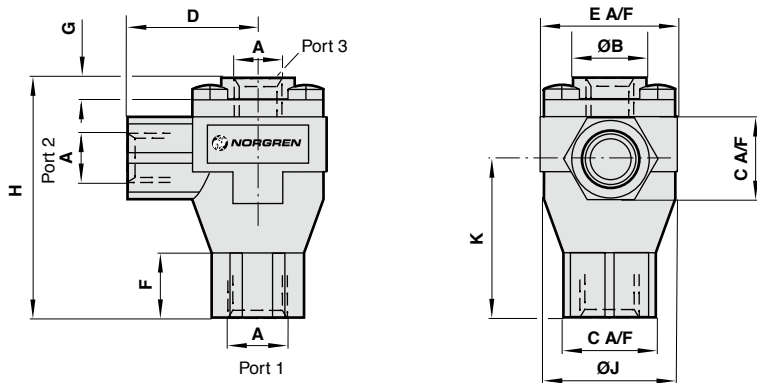
NPT	Model ISO G	Inlet port	Outlet port	Exhaust port	Cv Flow Factor Direction 1 - 2*	Cv Flow Factor Direction 2 - 3	Weight oz	Repair kit (seals only)
T70A1800	T70C1800	1/8	1/8	1/8	0.9	1.8	5.3	T70C1800K0
T70A2800	T70C2800	1/4	1/4	1/4	1.9	2.5	4.6	T70C2800K0
T70A3800	T70C3800	3/8	3/8	3/8	3.8	5.5	7.4	T70C3800K0
T70A4800	T70C4800	1/2	1/2	1/2	5.3	5.9	6.7	T70C4800K0

* Flow factor measured at 87 psi (6 bar) (inlet) guideline direction

** Alternative Cv shown for 14.5 psi (1 bar). For T70 Series, Cv approximately the same as at 6 bar. NPT threads per ANSI B1.20.1

Model	T70A1800 1/8	T70A2800	T70C2800	T70A3800	T70C3800	T70A4800	T70C4800	C/511*
A	NPT	T70C1800 G1/8	1/4 NPT	G1/4	3/8 NPT	1/2 NPT	G1/2	1/20 - 3/4
ØB	0.75	0.75	0.75	0.75	1.18	1.18	1.18	-
C A/F	0.75	0.75	0.75	0.75	1.18	1.18	1.18	-
D	1.10	1.10	1.10	1.10	1.57	1.57	1.57	2.0
E A/F	1.18	1.18	1.18	1.18	1.81	1.81	1.81	1.87
F	0.60	0.60	0.60	0.60	0.61	0.61	0.61	-
G	0.14	0.14	0.14	0.14	0.16	0.16	0.16	-
H	2.09	2.09	2.09	2.09	2.89	2.89	2.89	3.38
ØJ	1.14	1.14	1.14	1.14	1.81	1.81	1.81	-
K	1.40	1.40	1.40	1.40	1.89	1.89	1.89	2.72

* Note the shape of the C/511 is different. Consult our technical department for the exact specifications.



Typical Fill and Exhaust Times (seconds)

Model	Port size	Volume	Fill time	Exhaust time
T70A1800	1/8" NPT	150 cc	0.036	0.021
T70A2800	1/4" NPT	150 cc	0.023	0.017
T70A3800	3/8" NPT	1500 cc	0.110	0.080
T70A4800	1/2" NPT	15,000 cc	0.460	0.480
C/511	3/4" NPT	15,000 cc	0.480	0.250

Note: Fill time is 0 to 80 psig (0 to 5.5 bar), and exhaust time is 101 to 20 psig (7.0 to 1.4 bar)