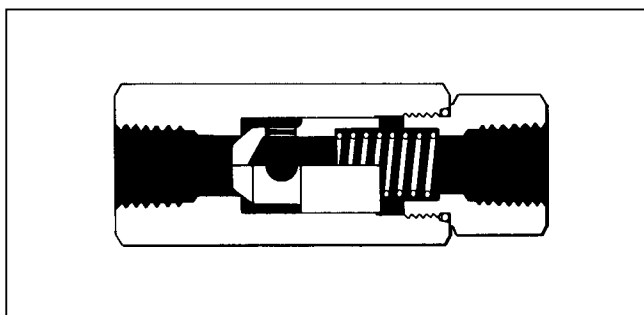
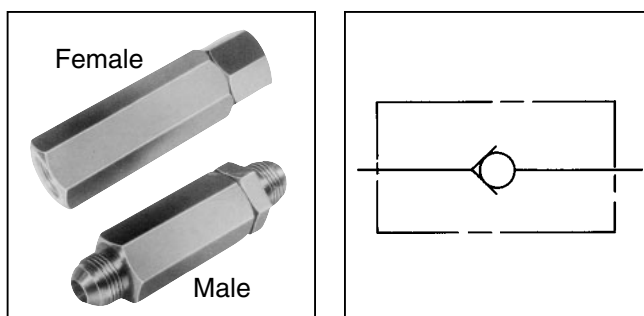


General Description

Series CLS inline check valves are designed to provide free flow in one direction and a positive check in the opposite direction. They are available with a variety of port types and sizes and may be mounted in any position.

Specifications

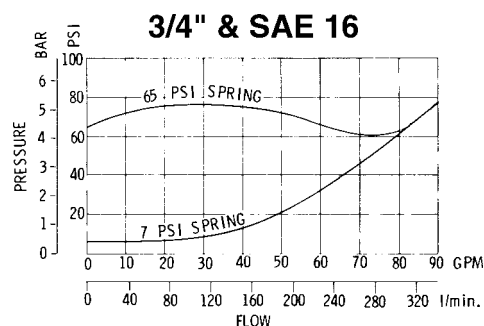
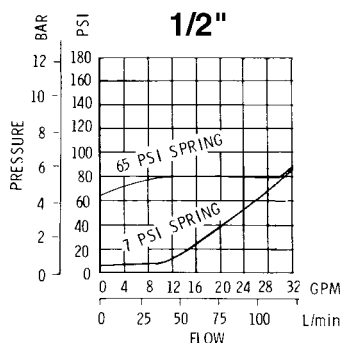
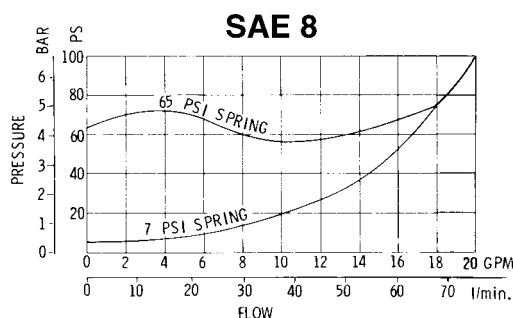
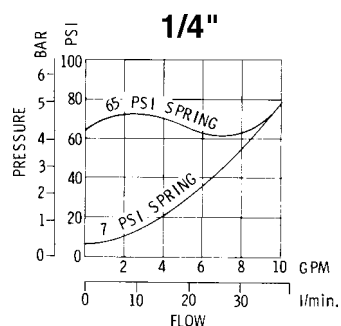
Maximum Operating Pressure	207 Bar (3000 PSI)
Flow Rating	Consult pressure drop data
Fluid Recommended	Premium grade hydraulic fluid with viscosity of 10cSt (60 SUS) to 216 cSt (1000 SUS) at operating temperature.
Operating Temperature	Under normal conditions of continuous operation, fluid temperature should not exceed -82°C (180° F). In no instance should the temperature exceed 93°C (200°F).
Material	All steel
Mounting	Not restricted



Features

- Up to 3000 PSI (207 Bar)
- 1/4", 1/2", 3/4" NPTF
- #8, #12, #16 SAE

Performance Curves



Ordering Information

CLS

Check Valve

Port Size

Code	Size
25	1/4" NPTF
50	1/2" NPT
75	3/4" NPT
08	SAE 8
12	SAE 12
16	SAE 16

NOTE: NPT ports not available on Male type valves.

Port Type

Code	Type
1	NPT
2	SAE

Spring Rate

Code	Size
7	7 PSI
45	45 PSI
65	65 PSI

Type

Code	Type
M	Male
F	Female

Weight (approx.)

1/4"

1/2"

3/4"

SAE 8

SAE 12

SAE 16

0.50 lbs. [0,23 kg]

1.00 lbs. [0,45 kg]

2.88 lbs. [1,30 kg]

1.00 lbs. [0,45 kg]

2.80 lbs. [1,27 kg]

3.00 lbs. [1,36 kg]

Dimensions

Millimeter equivalents for inch dimensions are shown in (**)

B

A

C

D

E

F

G

VALVE SIZE NPT & FEMALE SAE	A	B	C
1/4"	3.30 (83.8)	0.88 (22.3)	0.75 (19.1)
SAE 8	3.66 (92.9)	1.00 (25.4)	0.88 (22.3)
1/2" & SAE 10	4.50 (114.3)	1.38 (35.0)	1.25 (31.7)
3/4" & SAE 12	5.22 (132.6)	1.75 (44.4)	1.50 (38.1)

VALVE SIZE MALE TUBE	D	E	F	G
SAE 12	5.30 (134.6)	3.58 (90.9)	0.86 (21.8)	1.75 (44.4)
SAE 16	5.36 (136.1)	3.54 (89.9)	0.91 (23.1)	1.75 (44.4)

