Technical Information

General Description

Series 6C check valves provide free flow in one direction and dependable shut-off in the reverse direction.

Operation

When pressure going through the valve is increased to the cracking level, the valve opens. When the pressure is reduced to below the cracking level, the valve closes.

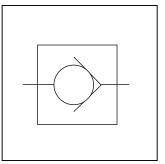
Features

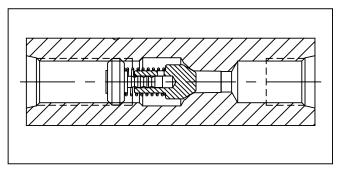
- Meets ISO 6149 standards.
- Hard metric dimensions.
- Reliable leak-free performance straight thread port with O-Ring sealing.
- Global interchangeablility.

Specifications

Maximum Operating Pressure	345 Bar (5000 PSI)				
Maximum Flow	M12 x 1.5 11 LPM (3 GPM) M16 x 1.5 19 LPM (5 GPM) M18 x 1.5 30 LPM (8 GPM) M22 x 1.5 57 LPM (15 GPM) M27 x 2.0 95 LPM (25 GPM) M33 x 2.0 151 LPM (40 GPM) M42 x 2.0 265 LPM (70 GPM) M48 x 2.0 379 LPM (100 GPM)				
Cracking Pressure	Standard: 0.3 Bar (5 PSI) Optional: 0.1 Bar (1 PSI) 4.5 Bar (65 PSI)				
Material	Body ASTM 12L14 Carbon Steel Poppet ASTM 416 Stainless Steel Retainer ASTM 416 Stainless Steel Spring ASTM 316 Stainless Steel				
Seals	Standard: Nitrile Optional: Fluorocarbon				



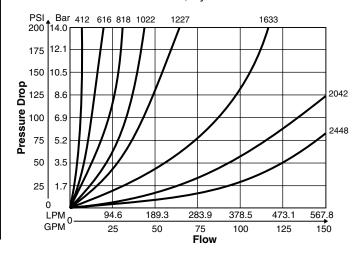




Performance Curves

Controlled Flow vs. Pressure Drop

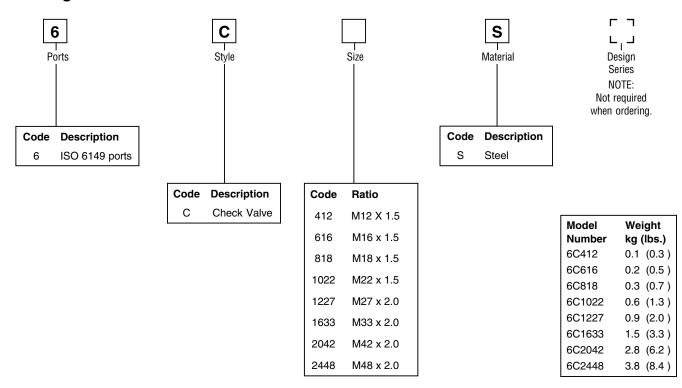
Free Flow 0.3 Bar (5 PSI) Cracking 100 SSU, Hydraulic Oil





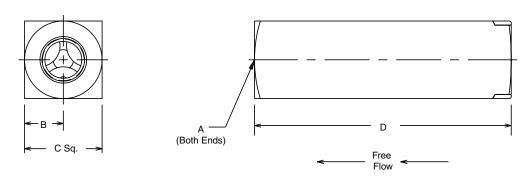
Technical Information

Ordering Information



Dimensions

Inch equivalents for millimeter dimensions are shown in (**)



Model Number	Weight kg (lbs.)	A	В	С	D
6C412	0.1 (0.3)	M12 x 1.5	10.4 (0.41)	20.6 (0.81)	68.3 (2.69)
6C616	0.2 (0.5)	M16 x 1.5	12.7 (0.50)	25.4 (1.00)	79.2 (3.12)
6C818	0.3 (0.7)	M18 x 1.5	14.2 (0.56)	28.4 (1.12)	88.9 (3.50)
6C1022	0.6 (1.3)	M22 x 1.5	15.7 (0.62)	31.8 (1.25)	101.6 (4.00)
6C1227	0.9 (2.0)	M27 x 2.0	19.1 (0.75)	38.1 (1.50)	117.3 (4.62)
6C1633	1.5 (3.3)	M33 x 2.0	22.4 (0.88)	44.5 (1.75)	127.0 (5.00)
6C2042	2.8 (6.2)	M42 x 2.0	28.7 (1.13)	57.2 (2.25)	132.8 (5.23)
6C2448	3.8 (8.4)	M48 x 2.0	35.1 (1.38)	69.9 (2.75)	143.0 (5.63)

2502-F1.p65, dd

