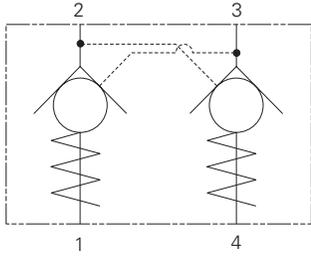


DPC2-8 - Check Valve

Dual, pilot-to-open, poppet type
19 L/min (5 USgpm) • 240 bar (3500 psi)



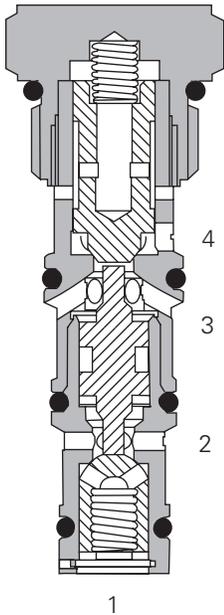
Operation

The valve allows flow from port 2 to port 1 or from port 3 to port 4 when the spring bias is overcome. Flow is blocked from ports 4 to 3 and from 1 to 2 until pilot pressure is applied to ports 2 and 3 respectively.

Features

Hardened and ground poppets to give minimal internal leakage and long life.

Sectional View



Performance Data

Ratings and Specifications

Performance data is typical with fluid at 21,8 cSt (105 SUS) and 49°C (120°F)

Typical application pressure (all ports)	240 bar (3500 psi)
Cartridge fatigue pressure (infinite life)	240 bar (3500 psi)
Rated inlet flow	19 L/min (5 USgpm)
Pilot ratio	3:1
Maximum internal leakage Ports 2 to 3 and 3 to 2: Ports 4 to 3 and 1 to 2:	140 cc/min. (8.5 in ³ /min.) @ 240 bar (3500 psi) 5 drops/min. @ 240 bar (3500 psi)
Free flow cracking pressure @ 1 L/min (0.25 USgpm)	1,72 bar (25 psi)
Temperature range	-40° to 120° C (-40° to 248° F)
Cavity	C-8-4
Fluids	All general purpose hydraulic fluids such as MIL - H-5606, SAE 10, SAE 20, etc.
Filtration	Cleanliness code 18/16/13
Standard housing material	Aluminum or steel
Weight, cartridge only	0,08 kg (0.18 lbs.)
Seal kit	02-370387 Urethane

Description

This is a dual pilot-to-open check valve ideal for stabilizer cylinders fitting directly into the cylinder reducing pipework to a minimum.

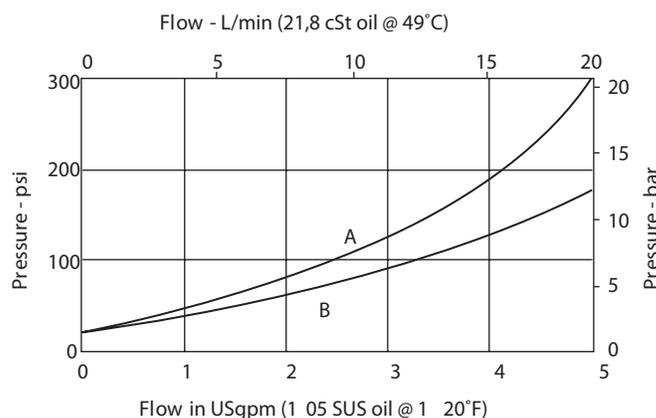


WARNING

Do not use Pilot-to-Open Check

Valves in load holding applications where either overrunning loads are possible or load release speed is critical. Failure to observe these guidelines may result in bodily injury or damage to equipment.

Pressure Drop

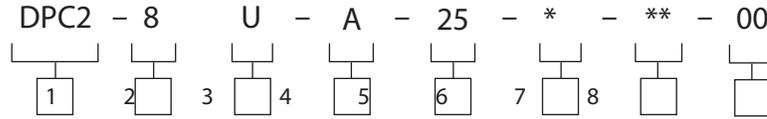


A – Port 2 to Port 1
B – Port 3 to Port 4

DPC2-8 - Check Valve

Dual, pilot-to-open, poppet type
19 L/min (5 USgpm) • 240 bar (3500 psi)

Model Code



1 Function
DPC2 - Dual pilot operated check

2 Size
8 - 8 size

3 Seal Material
U - Urethane

4 Pilot Leakage
A - Standard

5 Crack Pressure
25 - 1,7 bar (25 psi)

6 Body
Omit for cartridge only
A - Aluminum
S - Steel

7 Port Size

Code	Port Size	Housing Number	
		Aluminum Fatigue Rated	Steel Fatigue Rated
0	Cartridge only		
2G	1/4" BSPP	02-160747	02-160753
3G	3/8" BSPP	02-160748	02-160754
4T	SAE 4	02-160749	02-160751
6T	SAE 6	02-160750	02-160752

See section J for housing.

8 Special Features

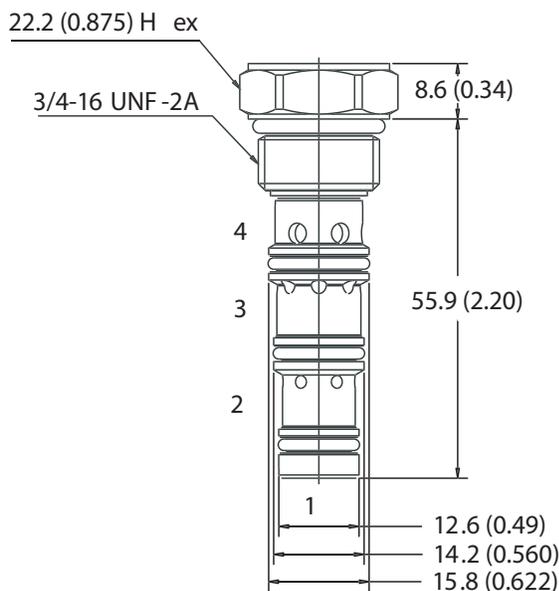
00 - None
(Only required if valve has special features, omitted if "00")

Dimensions

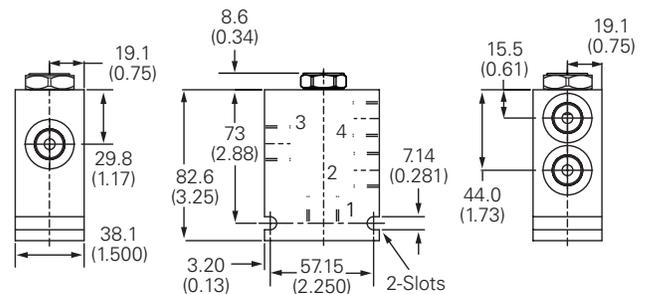
mm (inch)

Note: Torque cartridge in Aluminum or Steel housing to 34-41 Nm (25-30 ft. lbs).

Cartridge Only
Basic Code
4SK140



Installation Drawing (Steel)



WARNING

Aluminum housings can be used for pressures up to 210 bar (3000 psi). Steel housings must be used for operating pressures above 210 bar (3000 psi).