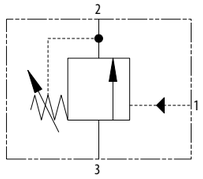
PSV2-8 - Pressure sequence valve

Spool, direct acting normally closed, internal drain
23 L/min (6 USgpm) • 210 bar (3000 psi)



Operation

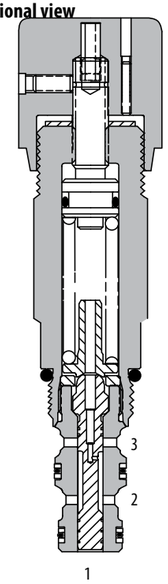
When a pre-set pilot pressure is reached the spool moves back against the spring opening the line between inlet and outlet.

When the pilot pressure falls the valve will return to its normal position.

Features

Cartridge design enabling speedy servicing when mounted in a body or in a composite manifold.

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)	210 bar (3000 psi)
Cartridge fatigue pressure (infinite life)	210 bar (3000 psi)
Sequence pressure ranges	13 – 3,4–90 bar (50–1300 psi)
	30 – 35–210 bar (500–3000 psi)
Rated flow	23 L/min (6 USgpm)
Reseat pressure	More than 90% of cracking pressure
Internal leakage	82 cm³/min. (5 in³/min) @ 210 bar (3000 psi)
Hysteresis	less than 3 bar (45 psi)
Temperature range	-40° to 120°C (-40° to 248°F)
Cavity	C–8–3
Fluids	All general purpose hydraulic fluids such as:
	MIL–H–5606, SAE 10, SAE 20, etc.
Filtration	Cleanliness Code 18/**16**/**13**
Standard housing materials	Aluminum
Weight cartridge only	0,21 kg (0.47 lbs)
Seal kits	02–160755 Buna–N
	02–160756 Viton®

Viton is a registered trademark of E.I. DuPont

Description

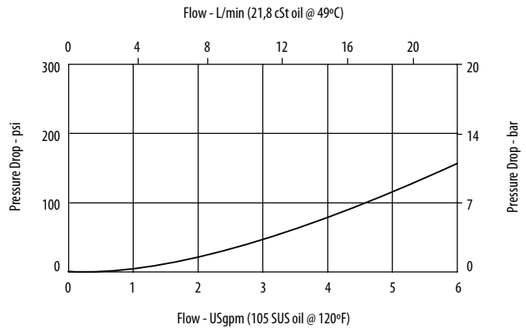
This valve provides a means of opening a pressure line when a predetermined pilot pressure is reached in a normally closed form.

The valve can be used in any pilot or small flow system as a remotely operated sequence valve.

Pressure drop curve

Port 3 to 2,
valve fully open

Cartridge only



Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.

PSV2-8 - Pressure sequence valve

Spool, direct acting normally closed, internal drain
23 L/min (6 USgpm) • 210 bar (3000 psi)

Model code

PSV2 – 8 (V) – * – (*) – ** – **/ ** – 00

1 2 3 4 5 6 7 8 9

1 Function

PSV2 - Pressure sequence

2 Size

8 - 8 size

3 Seal material

Blank - Buna-N
V - Viton®

4 Adjustment

C - Cap
K - Knob
S - Screw

5 Valve housing material

Omit for cartridge only

A - Aluminum
Maximum operating pressure 210 bar (3000 psi)

6 Port size

0 - Cartridge only

Code	Port size	Housing number
		Aluminum Fatigue rated
4T	SAE 4	02–160741
6T	SAE 6	02–160742
2G	1/4" BSPP	02–160739
3G	3/8" BSPP	02–160740

See section J for housing.

7 Sequence pressure range

Note: Code based on pressure in psi.
13 - 3,4-90 bar (50-1300 psi)
30 - 35-210 bar (500-3000 psi)

8 Pressure setting

Optional - Specify in 100 psi increments. If not specified, set at:

13 - 44 bar (650 psi)
30 - 100 bar (1500 psi)

9 Special features

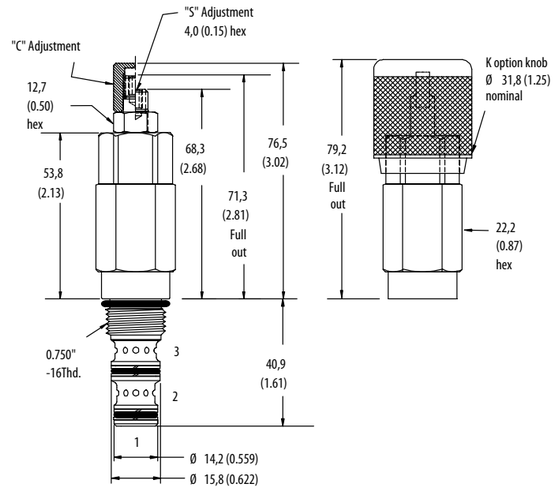
00 - None
(Only required if valve has special features, omitted if "00.")

Dimensions

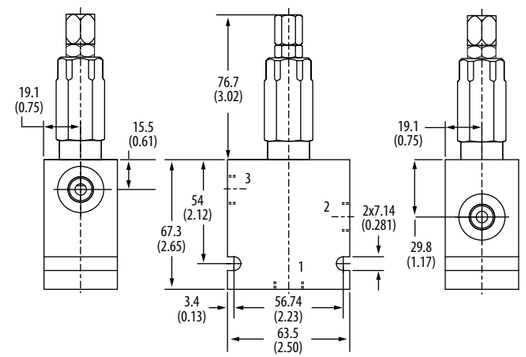
mm (inch)

Torque cartridge in aluminum or steel housing 34-41 Nm (25-30 ft. lbs)

Cartridge only



Installation drawing



Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.