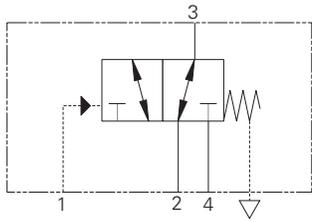


PTS1-10 - Pilot to Shift Valve

Pilot operated, directional control valve
 30 L/min (7.9 USgpm) • 210 bar (3000 psi)



Operation

This valve allows flow between ports 2 and 3 while blocking port 4 until sufficient pressure has been applied to port 1 and the spring bias is overcome.

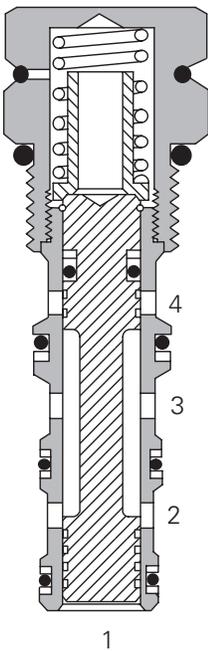
At this time, flow is directed between port 3 and port 4 while blocking port 2. During the cross-over transition, all ports are blocked. The spring chamber for this valve is externally vented to atmosphere.

Features

Hardened, ground and honed sleeve and spool for low internal leakage.

Sectional View

D



Performance Data

Ratings and Specifications

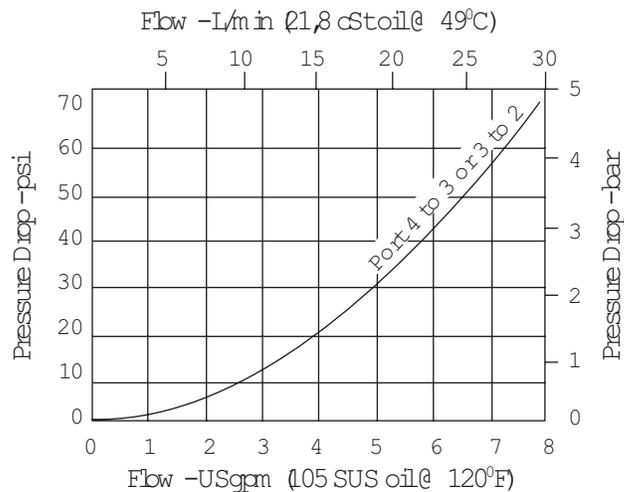
Performance data is typical with fluid at 21,8cST (105 SUS) and 49°C (120°F). 16/13 Viton is a registered trademark of E.I. DuPont.

Description

This is a 3-way 2 position, pilot operated directional control valve ideal for selecting a function when the pilot pressure is applied or removed.

Pressure Drop Curves

Cartridge only

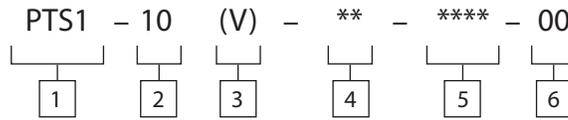


Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.

PTS1-10 - Pilot to Shift Valve

Pilot operated, directional control valve
30 L/min (7.9 USgpm) • 210 bar (3000 psi)

Model Code



1 Function
PTS1 - Pilot to shift valve

2 Size
10 - 10 size

3 Seal Material
Blank - Buna-N
V - Viton®

4 Port Size
0 - Cartridge only

Code	Port Size	Housing Number	
		Aluminium Light Duty	Aluminium Fatigue Rated
3B	3/8" BSPP	02-179705	
6T	SAE 6	566161	
2G	1/4" BSPP	-	876709
3G	3/8" BSPP	-	876715
6H	SAE 6	-	876708
8H	SAE 8	-	876713

See section J for housing details.

5 Pilot to Shift (Nominal)
40 - 2,75 bar (40 psi)
80 - 5,5 bar (80 psi)
160 - 11,0 bar (160 psi)

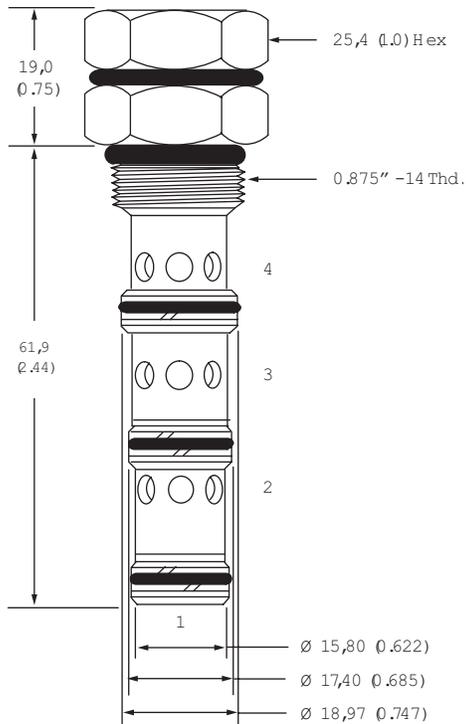
6 Special Features
00 - None
(Only required if valve has special features, omitted if "00.")

Dimensions

mm (inch)

Torque cartridge in aluminum housing
47-54 Nm (35-40 ft lbs)

Cartridge Only



Installation Drawing

