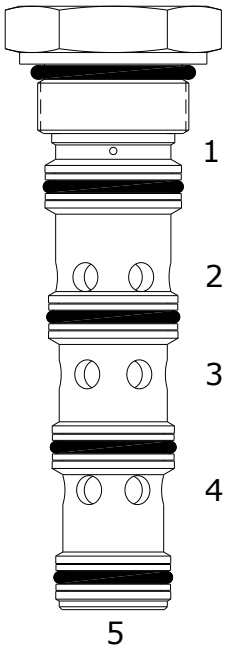
HSO-PTS PILOT TO SHIFT, 3 WAY VALVE, OPEN TRANSITION



DESCRIPTION

"High pressure" 16 size, 1 5/16 -12 thread, "Sixteen" series, pilot to shift, 3 way valve, open transition.

OPERATION

In neutral the HSO-PTS allows flow between ports (3) and (4), port (2) is blocked.

With application of a remote pilot signal at (5), the valve's spool shifts to allow flow between ports (2) and (3), while port (4) is blocked. During transition ports (2), (3), and (4) are open

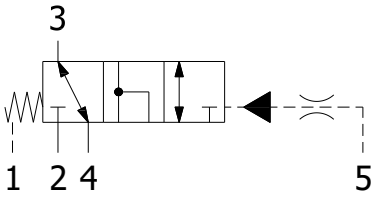
The spring chamber is vented to the tank through port (1). The vented spring chamber allows the valve to be fully pressurized at ports (2), (3), and (4) without affecting required pilot pressure.

Pressure at (1) will affect required pilot pressure.

FEATURES

- Hardened parts for long life.
- Industry common cavity.

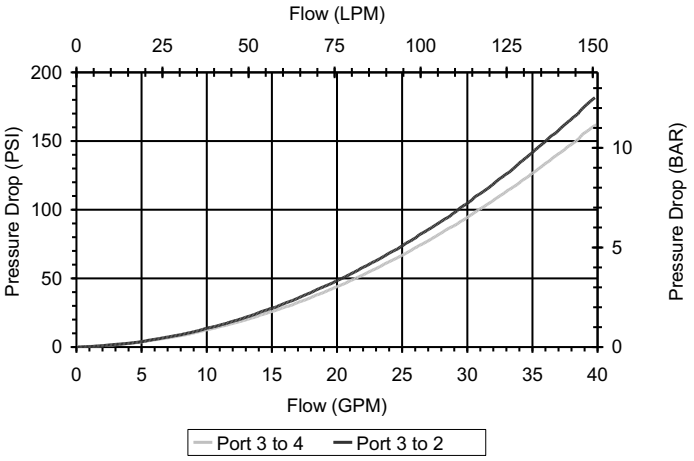
HYDRAULIC SYMBOL



Do not use orifice disk under cartridge valve.

PERFORMANCE

Actual Test Data (Cartridge Only)



VALVE SPECIFICATIONS

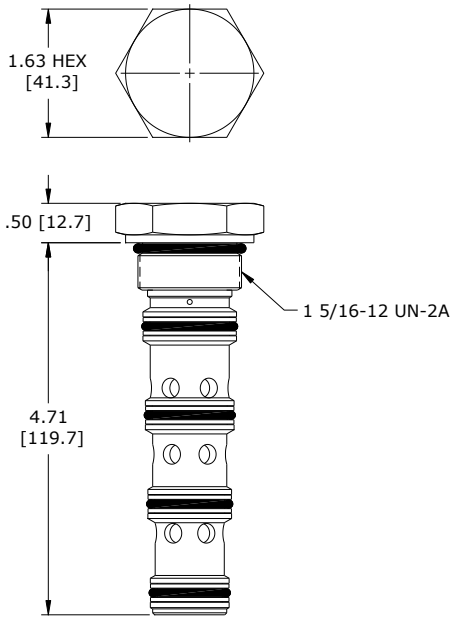
Nominal Flow	35 GPM (132 LPM)
Rated Operating Pressure	4200 PSI (290 bar)
Typical Nominal Leakage (150 SSU)	30 cu in/min (0.5 l/min)
Viscosity Range	36 to 3000 SSU (3 to 647 cSt)
Filtration	ISO 18/16/13
Media Operating Temperature Range	-40° to 250° F (-40° to 120° C)
Weight	1.11 lbs. (0.50 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	90 ft-lbs (122 Nm)
Cavity	SIXTEEN 5W SHORT
Cavity Form Tool (Finishing)	40500038
Seal Kit	21191410

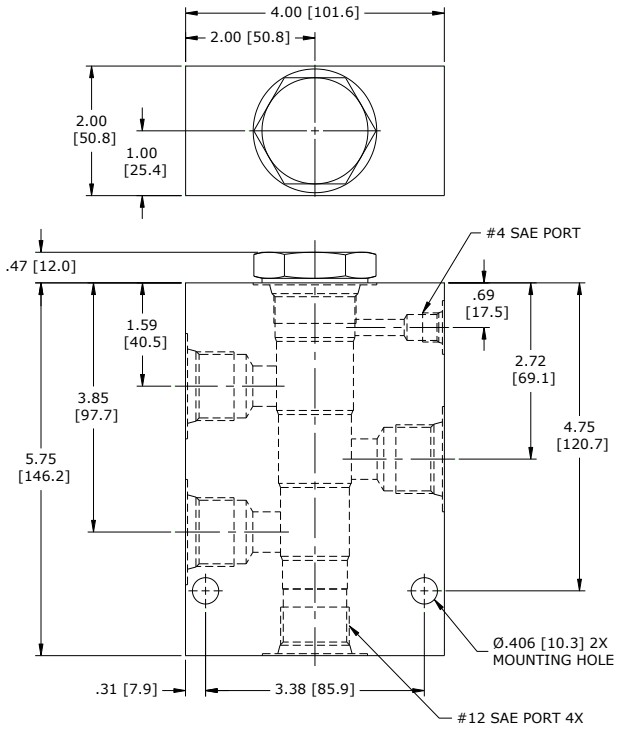
Delta Power Company

4484 Boeing Drive Rockford, IL 61109 • USA • Phone +1 (815) 397-6628 • Fax +1 (815) 397-2526

mail: delta@delta-power.com • **www.delta-power.com**

DIMENSIONS





BODY WEIGHT: 3.76 Lbs./ 1.62 Kg.

ORDERING INFORMATION

HSO-PTS - ____ - ____ - ____

OPTIONS

Buna Standard	**00**
Viton Standard	**V0**

SPRING BIAS

0070	70 PSI
0150	150 PSI
	☛10%

BODIES

Blank	Without Body
S	#12 SAE Ports

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