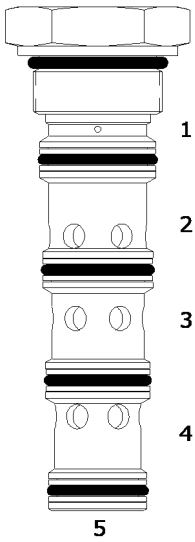


SO-PTT PILOT TO SHIFT, 3 WAY VALVE, CLOSED TRANSITION

DESCRIPTION

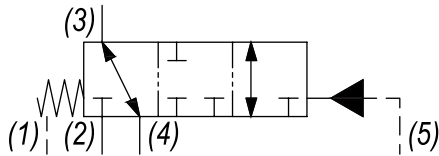
16 size, 1 5/16 -12 thread, "SIXTEEN" series, pilot to shift, 3 way valve, closed transition.

OPERATION

In neutral the SO-PTT 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 all ports are closed. 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

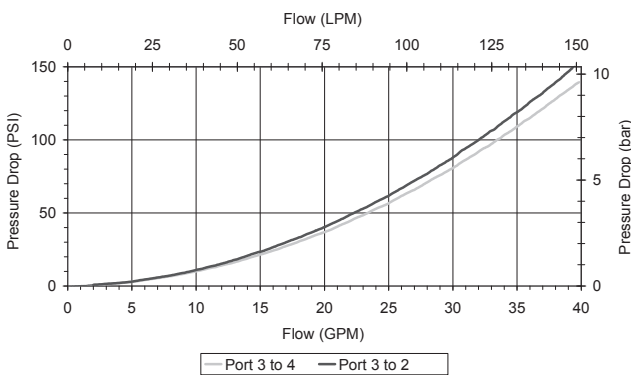
- Hardened parts for long life.
- Industry common cavity.

HYDRAULIC SYMBOL


A rate limiting orifice less than .060" diameter is recommended at port (5).

PERFORMANCE

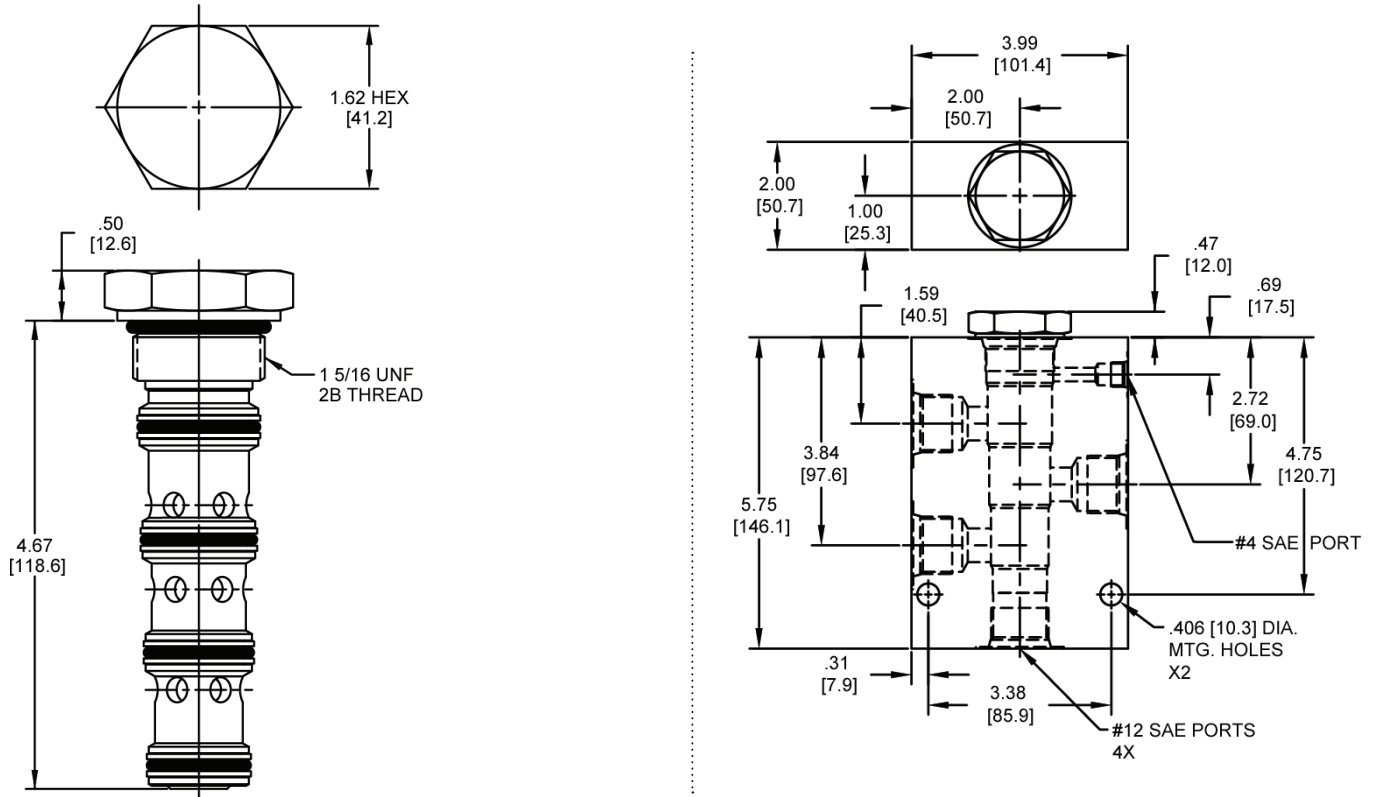
Actual Test Data (Cartridge Only)


VALVE SPECIFICATIONS

| | |
|------------------------------------|---------------------------------|
| Nominal Flow | 40 GPM (151 LTR/M) |
| Rated Operating Pressure | 3500 PSI (241 bar) |
| Typical Internal Leakage (150 SSU) | 10 cu in/min (164 ml/min) |
| Viscosity Range | 36 to 3000 SSU (3 to 647 cSt) |
| Filtration | ISO 18/16/13 |
| Media Operating Temp. Range | -40° to 250°F (-40° to 120°C) |
| Weight | 1.08 lbs (.49 kg) |
| Operating Fluid Media | General Purpose Hydraulic Fluid |
| Cartridge Torque Requirements | 90 ft-lbs (122 Nm) |
| Cavity | SIXTEEN 5W SHORT |
| Cavity Form Tool (Finishing) | 40500020 |
| Seal Kit | 21191410 |

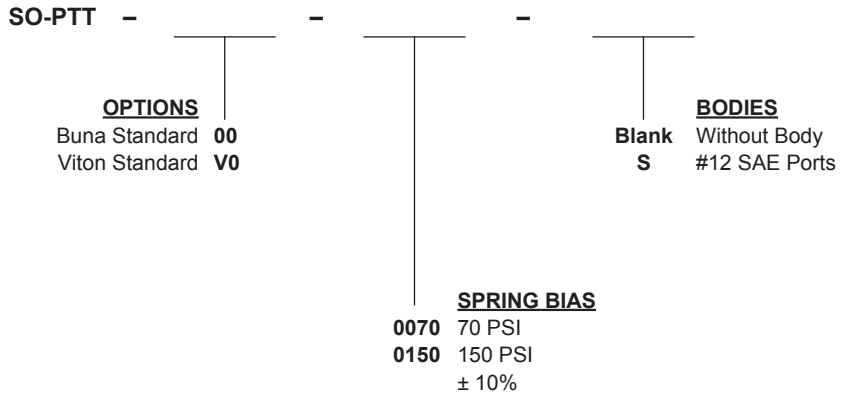
WARNING: the specifications/application data shown in our catalogs and data sheets are intended only as a general guide for the product described (herein). Any specific application should not be undertaken without independent study, evaluation, and testing for suitability.

DIMENSIONS



Body Weight: 3.76 lbs (1.62 kg)

ORDERING INFORMATION



W-51 / 12-2022

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