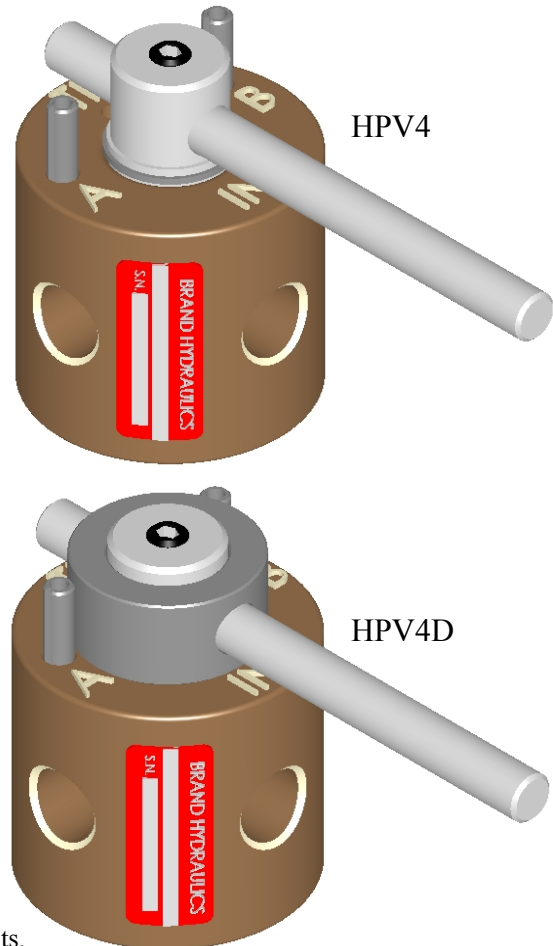
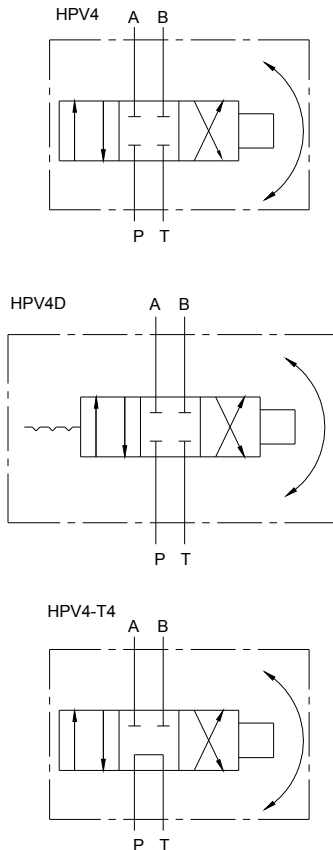


4 – WAY DIRECTIONAL CONTROL VALVE

“HPV4”



FEATURES:

- **SMALL AND COMPACT** to fit your design requirements.
- **CROSS HOLES IN SPOOL** reduce torque required to rotate the spool.
- **PRECISION GROUND IOSSO PLATED SPOOL** that assures long life.
- **OPTIONAL # 4 SAE PORTING** for a better seal between the body and the fitting.
- **OPTIONAL T4 SPOOL** allows customer to send oil from P to T in the neutral position.
- **OPTIONAL THREE-POSITION DETENT** to hold the spool in either active position or neutral.

SPECIFICATIONS:

- **Rated 0-5 gpm (0-19 lpm).**
- **Rated for 6000 psi (414 bar).**
- **Weighs 1.25 lbs. (0.6 kg).**
- **Standard port size 1/4" NPT all.**
- **30 in lbs (3.4 Nm) to turn HPV4 spool @ 3000 psi (207 bar).**
- **15 degrees of rotation before work ports open to pressure or tank.**
- **30 – Micron filtration recommended.**

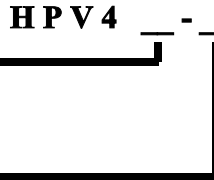
MATERIALS:

- **Durabar Gray Cast Iron Body**
- **Buna N O’Rings**
- **IOSSO Plated Steel Spool**

HPV4 – GENERAL INFORMATION:

The Brand, HPV4 directional control valves are small and compact. The HPV4's were designed primarily for use with hand pumps and other low flow applications where size weight and appearance are important. Three-position detent (D) holds the spool in neutral or either active position. Closed center (standard) blocks all ports when in neutral. Tandem center (T4) sends oil from P to T when in the neutral position. The T4 spool should not be used for flows of 4 gpm and greater because the pressure drop increases significantly.

HPV4 – CREATING MODEL CODES FOR HPV4'S:



SPOOL ACTION:
 Omit – Standard o-ring friction
 D – Three position detent

SPOOL TYPE:
 Omit – Closed center 4-way spool
 T4 – Tandem center 4-way spool

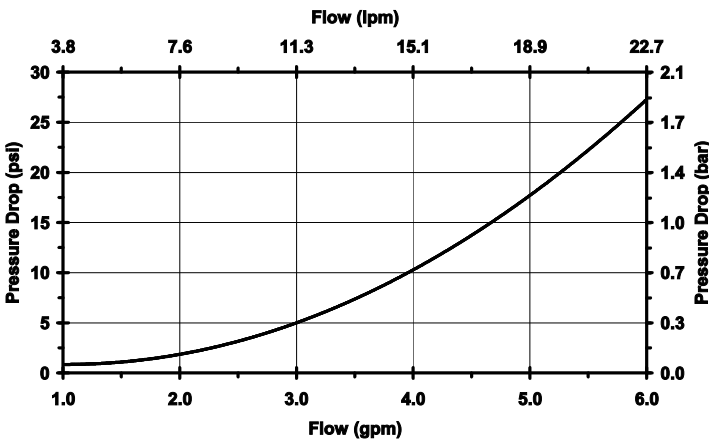
PORT SIZE:
 Omit – 1/4" NPT all ports
 4SAE - #4SAE (7/16-20) all ports

HPV4 – COMPLETE LIST OF OPTIONS AND ACCESSORIES:

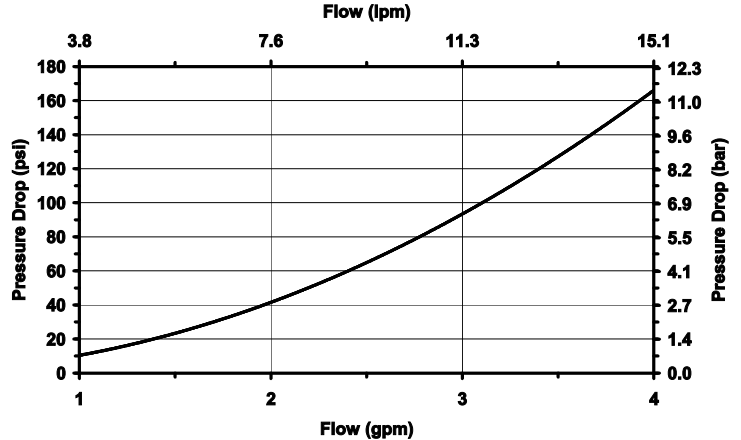
- HPV-3D..... Three-position friction detent kit.
- HPV4-K..... Seal kit for HPV4.

HPV4 – FLOW AND PRESSURE INFO:

Pressure Drop vs. Flow for P to A or B



Pressure Drop vs. Flow for T4 Spool



DIMENSIONAL DATA: inches & [millimeters]

