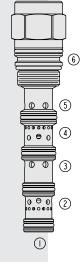
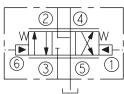
PE16-S67D Proportional, Pilot Operated



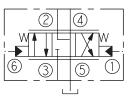


SYMBOLS

USASI:







PERFORMANCE (Cartridge Only) Shifted Position 2 to 5 ---- 3 to 2 ----3 to 4 ···· 4 to 5 ----Neutral Position Flow vs. Pilot Pressure 3 to 2, Port 6 Pilot - - - -2 to 5 and 4 to 5 32 cSt/150 ssu oil at 40°C 3 to 4. Port 1 Pilot -32 cSt/150 ssu oil at 40°C 24.1/350 24.1/350 32 cSt/150 ssu oil at 40°C 90.8/24 20.7/300 20.7/300 PRESSURE DROP bar/psi PRESSURE DROP bar/psi 75.8/20 17.2/250 17.2/250 60.6/16 FLOW Ipm/gpm 13.8/200 13.8/200 45.4/12 10.3/150 10.3/150 30.2/8 6.9/100 6.9/100 3 4/50 3.4/50 15.1/4 45.4 12 75.8 20 15.1 30.2 60.6 90.8 15.1 4 30.2 45.4 12 60.6 16 75.8 20 90.8 27.6 20.7 13.8 6.9 400 300 200 100 0 0 6.9 13.8 20.7 27.6 100 200 300 400 8 16 8 FLOW lpm/gpm FLOW lpm/gpm PILOT PRESSURE bar/psi

DESCRIPTION

A screw-in, cartridge-style, proportional, spring-centered, pilot-operated spool-type hydraulic directional valve.

OPERATION

When the **PE16-S67D** is in neutral position, inlet port ③ is blocked while ports @, ④ and ⑤ are connected to each other. With remote pilot signal at port ①, the valve's spool shifts proportionally to the applied pilot pressure to allow flow from ③ to ④ through a load such as a hydraulic cylinder or motor, and then from @ to ⑤ and to tank. On remote pilot signal at ⑥, the spool shifts proportionally to the applied pressure in the opposite direction, reversing the flow direction. **The spool is symmetrical, providing both meter-in and meter-out control.**

FEATURES

- Hardened spool and cage for long life.
- Cost-effective cavity.
- Excellent metering characteristics.
- Good linearity.

RATINGS

Maximum Operating Pressure: Port ③: 345 bar (5000 psi) Ports ② and ④: 240 bar (3500 psi)

Ports ① and ⑥: 27.6 bar (400 psi)

Internal Leakage: 197 ml/minute (12 cu. in./minute) at 207 bar (3000 psi) maximum

Temperature: -40 to 120°C with Buna N seals

Filtration: See page 9.010.1

Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt (50 to 2000 sus); See Temperature and Oil Viscosity, page 9.060.1

Installation: No restrictions; See page 9.020.1

Cavity: VC16-S6; See page 9.116.1

Cavity Tool: CT16-S6; See page 8.600.1

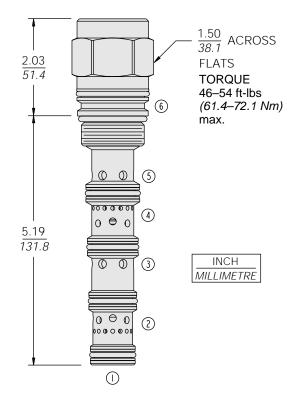
Seal Kit: SK16-S6X-BMMMM; See page 8.650.1



PE16-S67D

DIMENSIONS

U.S. Patent 6,554,014



MATERIALS

Cartridge: Weight: 0.76 kg. (1.68 lbs.) Steel with hardened work surfaces. Zinc-plated exposed surfaces. Buna N O-rings and polyester elastomer back-ups standard.

Test Body: Consult Factory

TO ORDER

