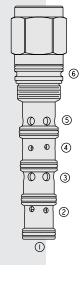
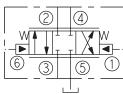
#### PE42-S67C **Proportional**, Pilot Operated



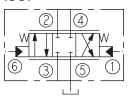


# SYMBOLS

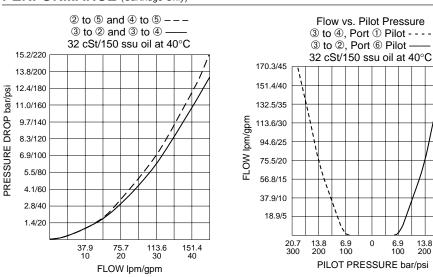
#### **USASI:**







### PERFORMANCE (Cartridge Only)



## DESCRIPTION

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

### **OPERATION**

When the PE42-S67C is in neutral position all ports are blocked. When the remote pilot signal at ① exceeds the force of the bias spring, the 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 from 2 to 5 and to tank. When the pilot signal at 6 exceeds the force of the bias spring the spool shifts proportionally to the applied force to allow flow from 3 to 2 and from 4 to 5. When the pilot signal is less than the force of the bias spring, the spool will return to the center position. The valve's spool is symmetrical, providing 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)

Flow: 0-170 lpm (0-45 gpm): See Performance Chart

Internal Leakage: 590 cc/minute (36 cu. in./minute) at 207 bar (3000 psi)

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: VC42-S6; See page 9.142.1

Cavity Tool: CT42-S6; See page 8.600.1

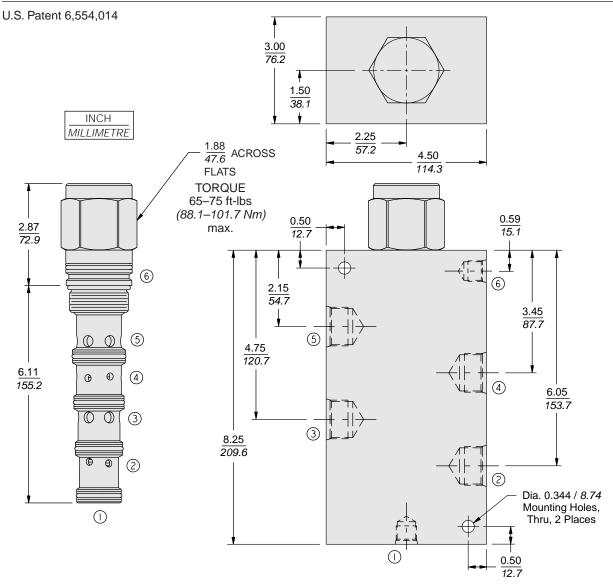
Seal Kit: SK42-S6X-BMMMM; See page 8.650.1

0

6.9 100 13.8 200 20.7 300

# PE42-S67C

#### DIMENSIONS



#### 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.

Ported Body: Ductile Iron, Rated to 345 bar (5000 psi). See page 8.042.1

#### **TO ORDER**

