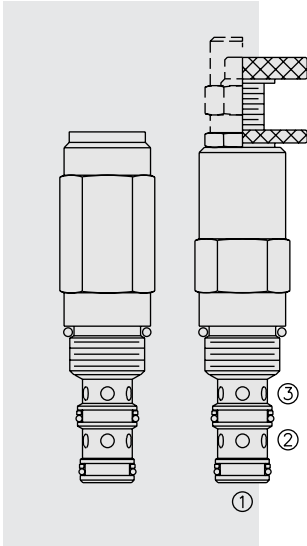


PS10-34 Sequence, Internal Pilot & Drain



DESCRIPTION

A screw-in, cartridge-style, direct-acting, spool-type, hydraulic sequence valve with internal pilot and spring chamber drain.

OPERATION

In its steady state, the **PS10-34** blocks flow from ① to ②, with the spring chamber drained at ③.

On attainment of a predetermined pressure at ①, the cartridge shifts to open ① to ②. Note that back-pressure on ③ adds to the spring setting value.

FEATURES

- Adjustments cannot be backed out of the valve.
- Adjustments prohibit springs from going solid.
- Optional spring ranges to 117.2 bar (1700 psi).
- Hardened spool and cage for long life.
- Industry common cavity.

RATINGS

Operating Pressure: to 207 bar (3000 psi)

Sequence Pressure Max.: to 117 bar (1700 psi)

Flow: See Performance Chart

Internal Leakage: 82 cc/minute (5 cu. in./minute) max. to 85% of nominal setting

Standard Spring Ranges:

6.9 to 48.3 bar (100 to 700 psi);

20.7 to 117.2 bar (300 to 1700 psi)

Temperature: -40 to 120°C with standard Buna 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

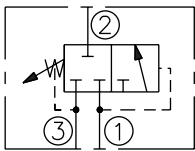
Cavity: VC10-3; See page 9.110.1

Cavity Tool: CT10-3XX; See page 8.600.1

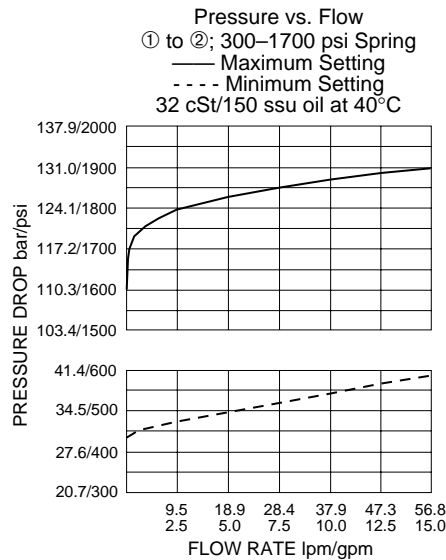
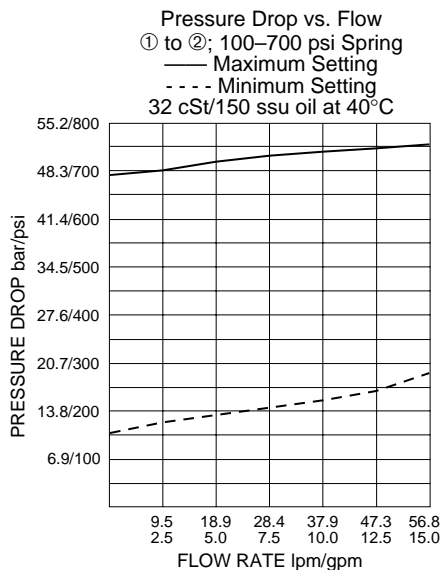
Seal Kit: SK10-3X-BM; See page 8.650.1

SYMBOLS

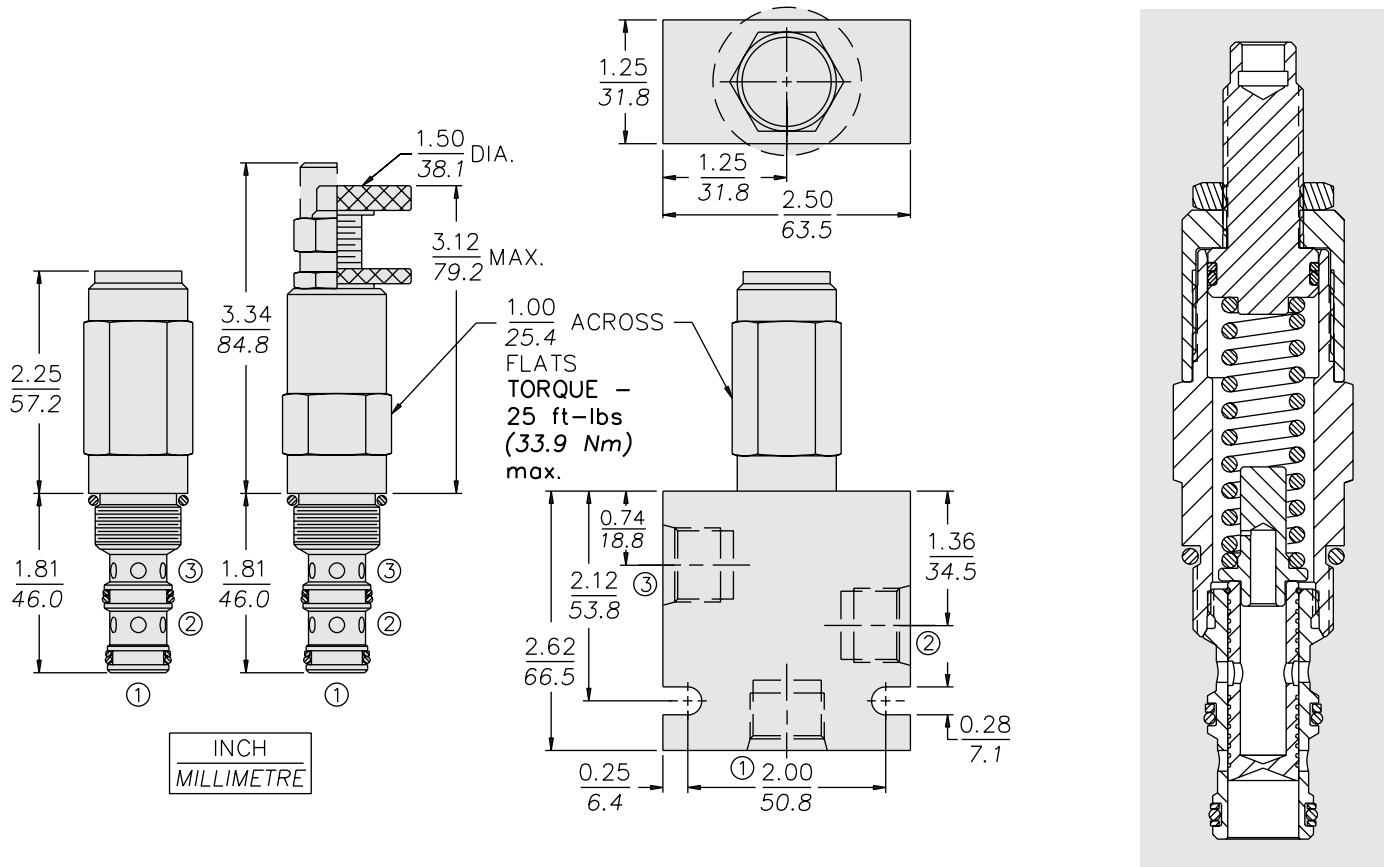
USASI/ISO:



PERFORMANCE (Cartridge Only)



DIMENSIONS

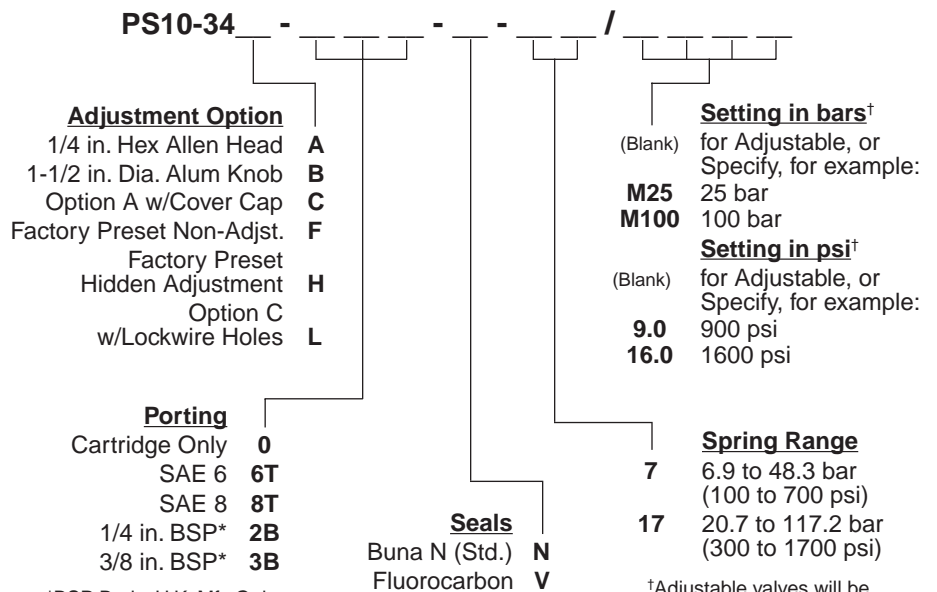


MATERIALS

Cartridge: Weight: 0.27 kg. (0.60 lbs.)
 Steel with hardened work surfaces.
 Zinc-plated exposed surfaces.
 Buna N O-rings and polyester elastomer back-ups standard.
 Anodized aluminum knobs and caps.

Standard Ported Body: Weight: 0.36 kg. (0.80 lbs.)
 Anodized high-strength 6061 T6 aluminum alloy, rated to 240 bar (3500 psi).
 Ductile iron bodies available; dimensions may differ.
 See page 8.010.1

TO ORDER



*BSP Body; U.K. Mfr. Only

[†]Adjustable valves will be preset to approx. 50% of spring max. potential.