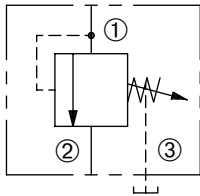


DPS-100

Adjustable, Direct-Acting
Externally-Drained Sequence Valve

SERIES 10

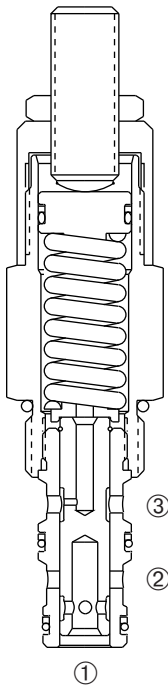


DESCRIPTION

An adjustable, direct-acting spool cartridge valve designed to direct oil to a circuit when a predetermined pressure has been reached.

OPERATION

The DPS-100 in the steady state blocks flow at ① and ② with spring chamber ③ drained. When the preset pressure at ① is achieved, the spool shifts to allow flow from ① to ②.



FEATURES and BENEFITS

- Variety of pressure ranges.
- Hardened precision spool and sleeve for long life.
- Hidden adjustment (tamper resistant) option.
- Aluminum knob and disc nut option.
- Adjustment may be locked in place.
- Industry common cavity.
- Compact size.

SPECIFICATIONS

Operating Pressure: 3000 PSI (207 Bar)

Flow: See PRESSURE DROP VS. FLOW graph.

Internal Leakage: 5 in.³/min. (82 cc/min.) max. at 3000 PSI (207 Bar)

Spring Range: 50 PSI to 200 PSI (3 to 14 Bar)

Preset: 150 PSI (10 Bar)

100 PSI to 900 PSI (7 to 62 Bar)

Preset: 450 PSI (31 Bar)

700 PSI to 2400 PSI (48 to 166 Bar)

Preset: 1800 PSI (124 Bar)

Temperature: -30°F to +250°F (-35°C to +120°C)

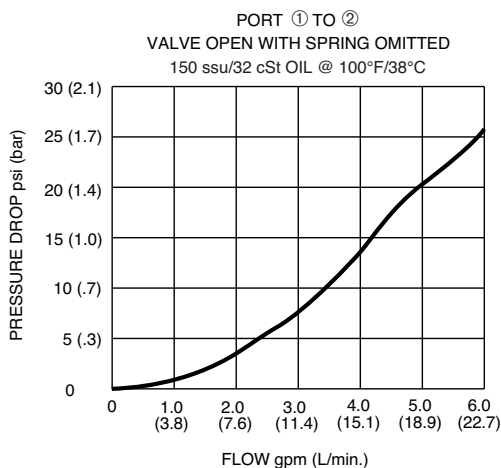
Recommended Filtration: ISO 20/18/14

Fluids: Mineral-based fluids. For other fluid compatibility, consult factory.

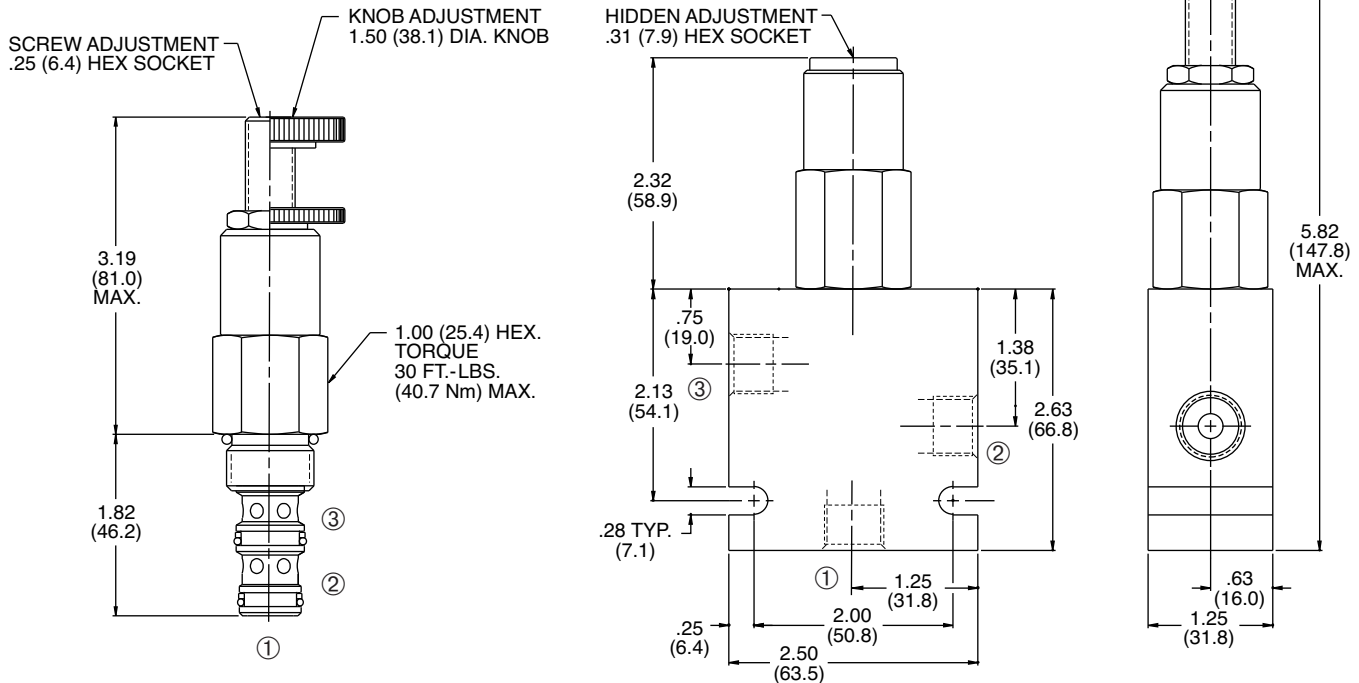
Cavity/Cavity Tool: 100-3, see page 11.10.3

In-Line Body Material: Anodized 6061T6 aluminum
alloy rated at 3000 PSI (207 Bar).

PRESSURE DROP VS. FLOW



INSTALLATION DIMENSIONS



() Parentheses = Millimeters

HOW TO ORDER

