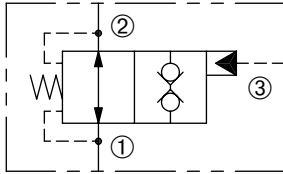


# DPOD-100-2NOP

Pilot To Close, Poppet-Type,  
Directional Control Valve

## SERIES 10

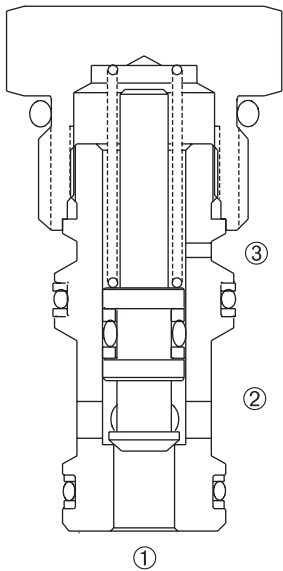


### DESCRIPTION

A cartridge valve designed to allow free flow in both directions. The valve can be piloted to block flow in both directions. This valve can be used as a load holding or blocking valve.

### OPERATION

Pressure at ① or ② overcomes the spring-bias poppet and allows free flow between ② and ① or ① to ②. When required the pilot pressure is achieved at ③, the poppet is held closed to block flow between ② and ① and ① and ②. The pilot area ratio port ③ to ① is 2.0 to 1 and the area ratio port ③ to ② is 2.8 to 1.



### FEATURES and BENEFITS

- Hardened poppet and sleeve for long life and low leakage.
- Industry common cavity.
- Compact size.

### SPECIFICATIONS

**Operating Pressure:** 3000 PSI (207 Bar)

**Flow:** See PRESSURE DROP VS. FLOW graph.

**Internal Leakage:** 5 drops/min. max. at 3000 PSI (207 Bar)

**Crack Pressure:** 65 PSI (45 Bar) at port 1 (biased spring).  
85 PSI (58.6 Bar) at port 2 (biased spring).

**Pilot Pressure:** 125 PSI (8.6 Bar)

**Pilot Ratio:** ③ to ① is 2.0 to 1 and ③ to ② is 2.8 to 1.

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

**Recommended Filtration:** ISO 17/15/13

Non-Critical Application – ISO 20/18/14

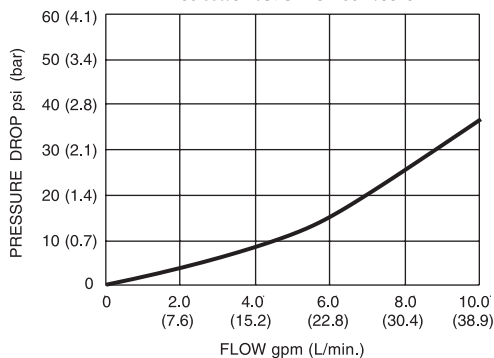
**Fluids:** Mineral-based fluids. For other fluid compatibility, consult factory.

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

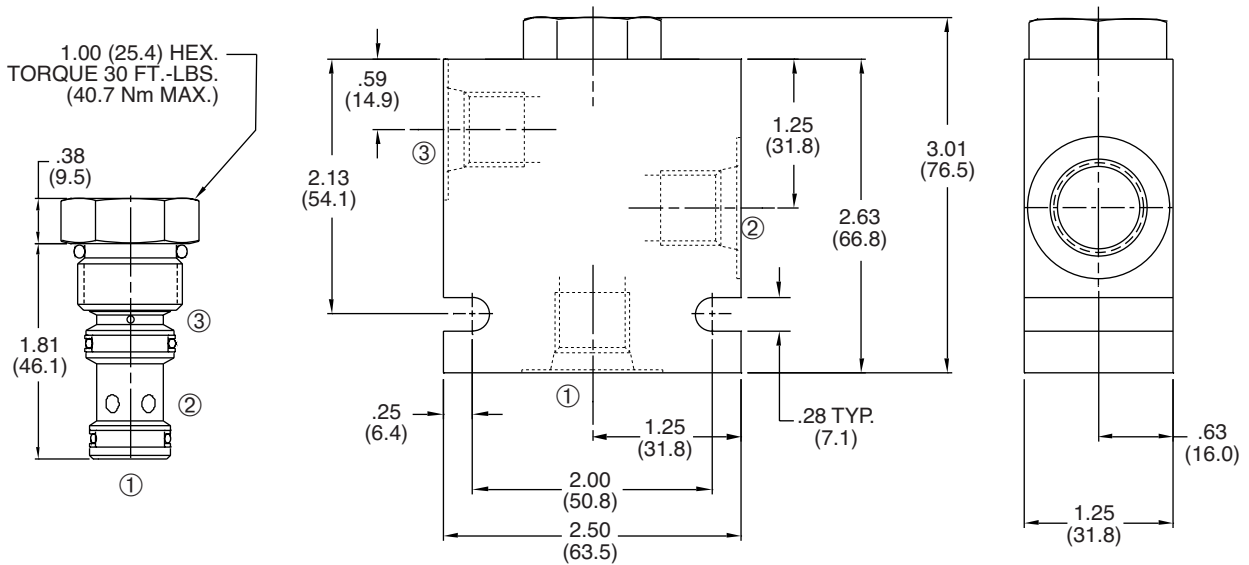
**Body Material:** Anodized 6061T6 aluminum alloy rated at 3000 PSI (207 Bar).

### PRESSURE DROP VS. FLOW

PORT ② TO ① OR ① TO ②  
150 ssu/32 cSt OIL @ 100°F/38°C



## INSTALLATION DIMENSIONS



( ) Parentheses = Millimeters

## HOW TO ORDER

