

DMR2-080

Normally-Closed, Cartridge Mechanically-Operated Valve

DESCRIPTION

A mechanically-operated cartridge valve designed with positive shut off to be used in load-holding applications.

OPERATION

The DMR-080 blocks flow in both directions. When the plunger is actuated, the poppet opens, allowing flow in either direction.

The force required to depress the plunger is the summation of:

Pressure psi at ① x .066

Pressure psi at ② x .011

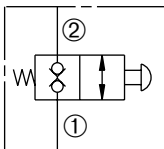
8-lb. spring constant

Note: Omit pressure at ① if no pressure exists.

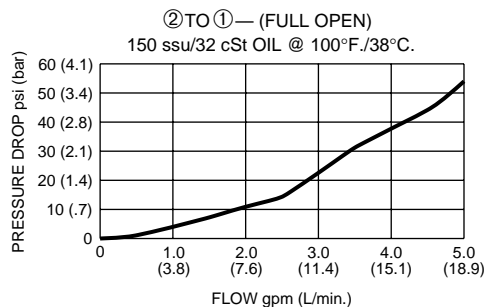
Omit pressure at ② if no pressure exists.

SYMBOL

USASI / ISO



PRESSURE DROP VS. FLOW



FEATURES and BENEFITS

- Hardened poppet and seat for long life.
- Zero leakage.
- Externally threaded for connecting a manual operator.
- Filter screen standard.
- Industry common cavity.
- Compact size.

SPECIFICATIONS

Operating Pressure: 3000 PSI (207 Bar)

Flow: See PRESSURE DROP VS. FLOW graph.

Internal Leakage: 2 drops/min. max. at 3000 PSI (207 Bar)

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

Actuation Force: Force (lbs.) = $(P① \times .066) + (P② \times .011) + 8$

Recommended Filtration: Critical Application – ISO 16/12

Non-Critical Application – ISO 19/15

Fluids: Mineral-based fluids.

For other fluid compatibility, consult factory.

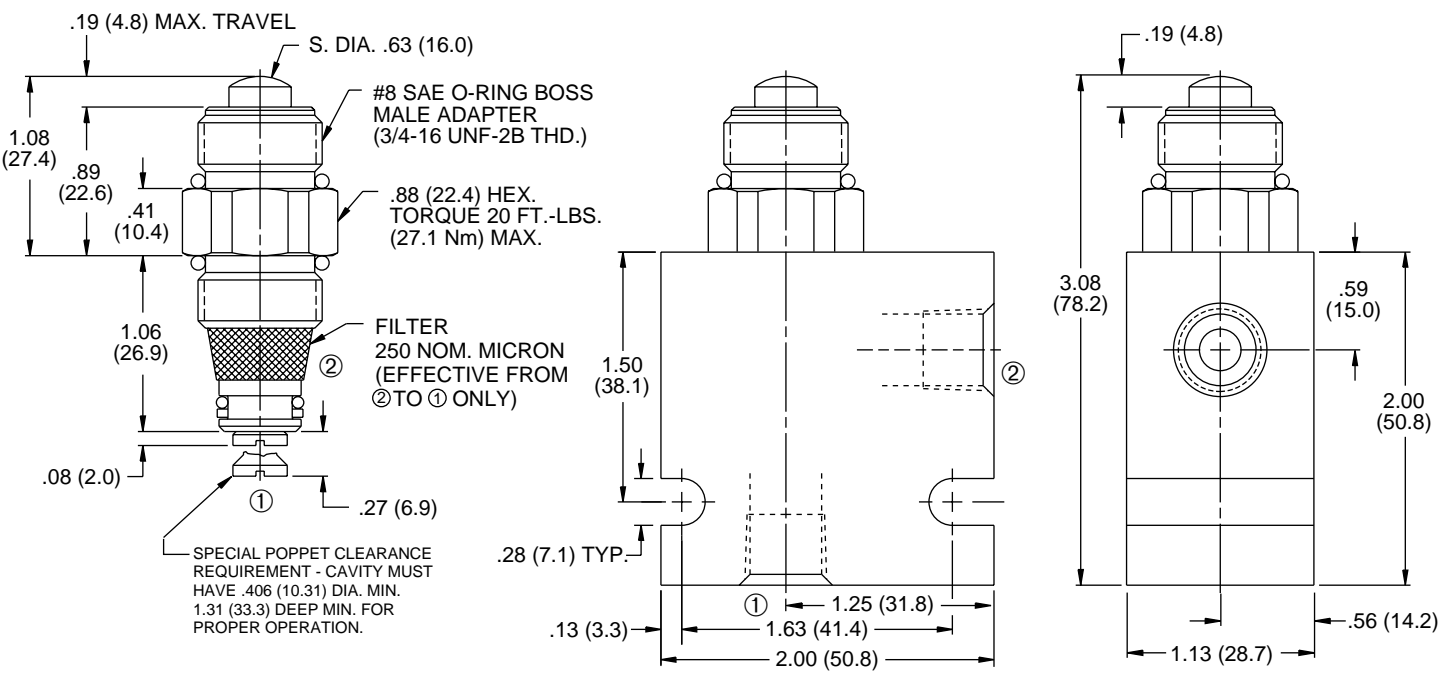
Cavity: 080-2, see page 0.20

Cavity Tool: See page 0.20

Body Material: Anodized 6061T6 aluminum

alloy rated at 3000 PSI (207 Bar).

INSTALLATION DIMENSIONS



() Parentheses = Millimeters

HOW TO ORDER

