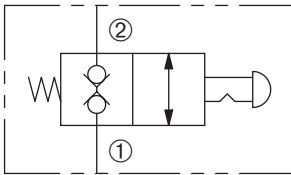


DMO-080-2NCSP

Normally Closed, Bi-Directional
Manual-Operated Valve

SERIES 8



DESCRIPTION

A manually-operated cartridge valve designed with positive shut off, low leakage and blocking in both directions, to be used in load holding applications.

OPERATION

In the closed position flow is blocked in both directions.

Opening is achieved by pushing down on knob, turning in a counterclockwise direction and releasing into a detented open position allowing flow from either ① to ② or ② to ①.

To return to the normally closed position, push down on knob, turn clockwise and release.



FEATURES and BENEFITS

- Hardened poppet and seat for long life and low leakage.
- Low leak valve available.
- Positive detent open.
- Industry common cavity.

SPECIFICATIONS

Operating Pressure: 3000 psi (207 bar)

Flow: See PRESSURE DROP VS. FLOW graph.
Nominal Flow 5 gpm (18.9 lpm)

Internal Leakage: 5 drops/min max. at 3000 psi (207 bar)
Low leakage available-

Less than 2 drops/min max. at 3000 psi (207 bar)

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

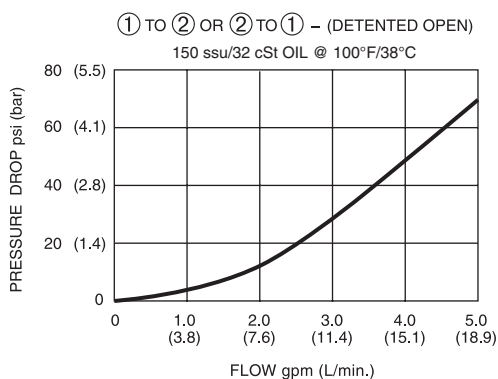
Recommended Filtration: Critical Application – ISO 17/15/13
Non-Critical Application – ISO 20/18/14

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

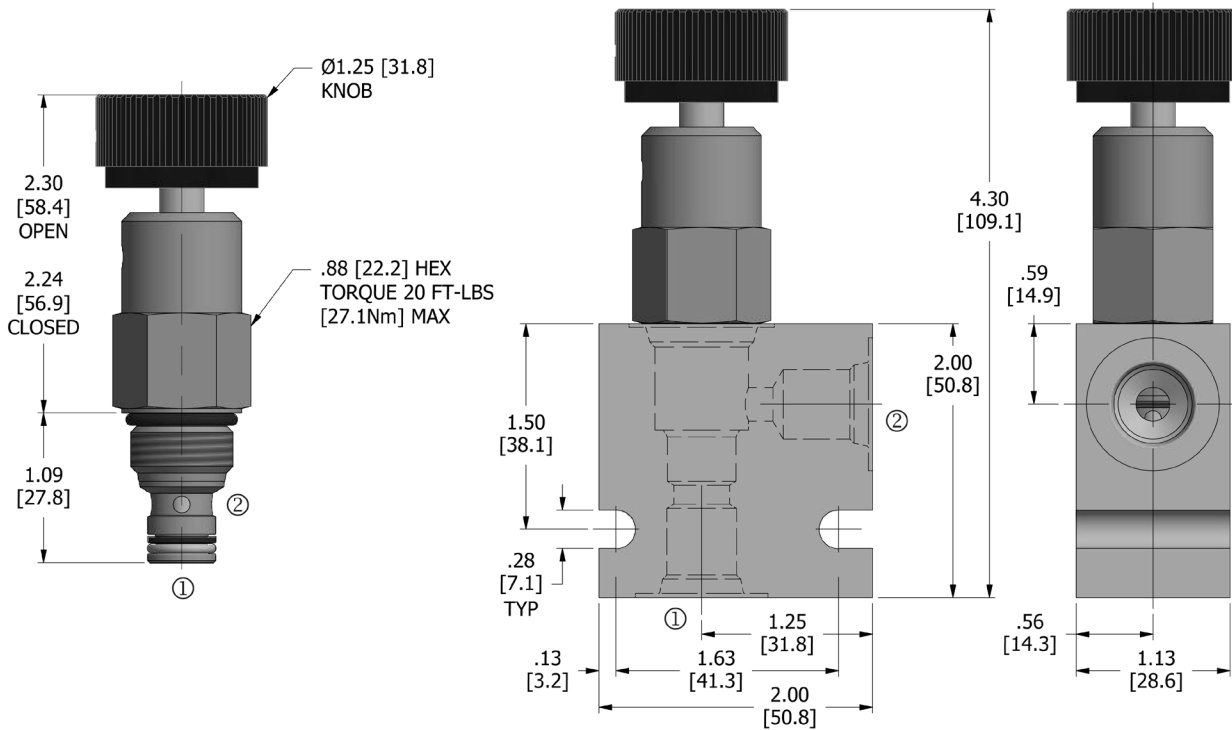
Cavity/Cavity Tool: 080-2, see page 11.08.2

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

PRESSURE DROP VS. FLOW



DIMENSIONS Inches [Millimeters]



HOW TO ORDER



Seals		Seal Kit
N	Buna N	
V	Viton	

Low Leak	
omit	Standard leakage
L	Low leakage

Porting [†]		In-Line Body w/o Cartridge
omit	Cartridge only	
2N	1/4 PTF	B-080-2-2N
3N	3/8 PTF	B-080-2-3N
4T	SAE 4	B-080-2-4T
6T	SAE 6	B-080-2-6T

[†] Other options available – consult factory

Valve and In-Line Body are supplied individually and need to be assembled. For a completed assembly consult the factory.

All variations may not be configurable. Minimum order quantities may be required on other models. Contact Deltrol Fluid Products for complete details.