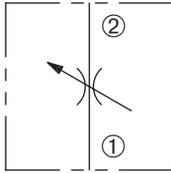


DNV-080

Adjustable,
Needle Valve

SERIES 8



DESCRIPTION

A cartridge valve designed to provide a variable flow restriction with positive shut-off.

OPERATION

The DNV-080 varies flow restriction by adjusting needle in or out and will shut off when fully closed. This valve will meter flow in either direction.

FEATURES and BENEFITS

- Zero leakage at shut-off.
- Aluminum knob.
- Fully adjustable.
- Industry common cavity.

SPECIFICATIONS

Operating Pressure: 3000 psi (207 bar)

Flow: See PRESSURE DROP VS. FLOW graph
Nominal flow 11 gpm (41.6 lpm)

Cv Flow Factor: (Full Open) .47

Internal Leakage: 0 drops/min at 3000 psi (207 bar) at shut-off.

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

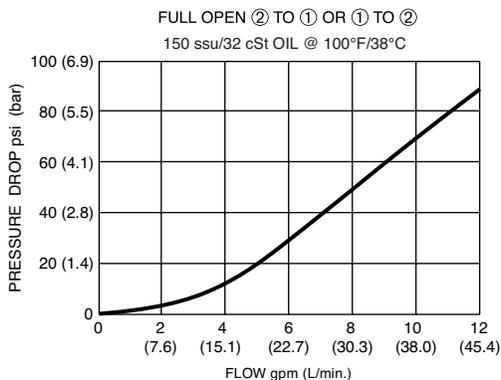
Fluids: Mineral-based fluids.

For other fluid compatibility, consult factory.

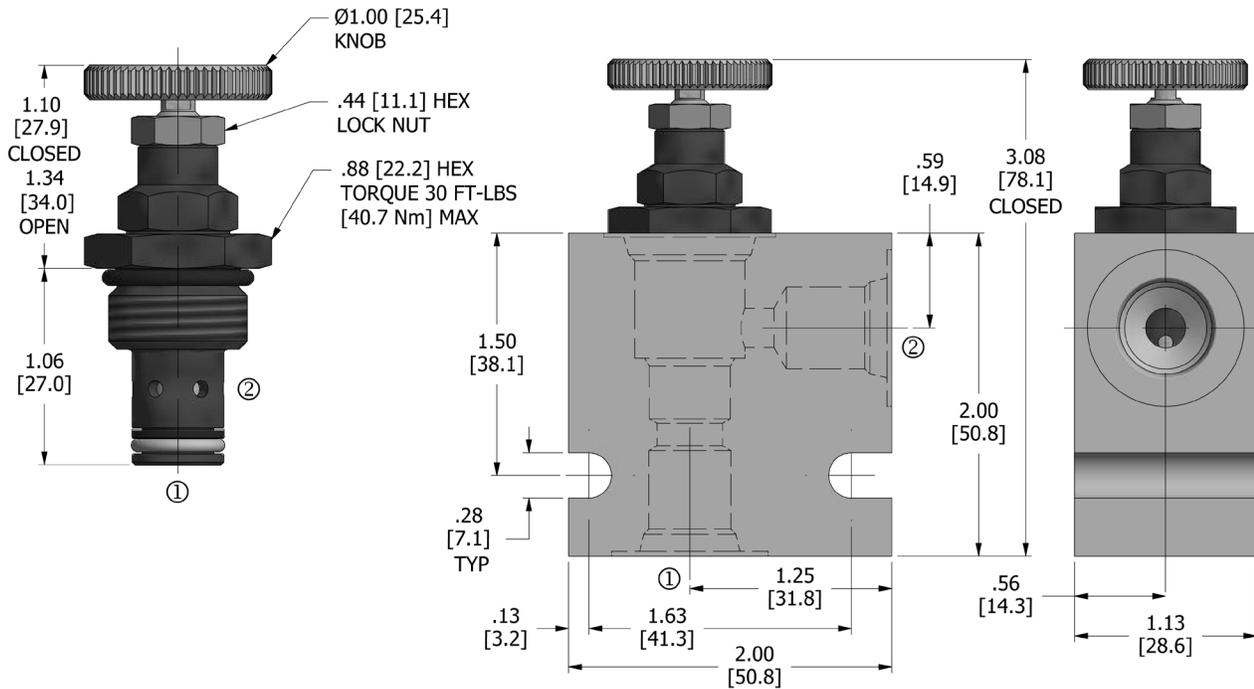
Cavity/Cavity Tool: 080-2, see page 11.08.2

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

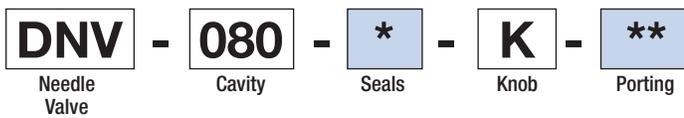
PRESSURE DROP VS. FLOW



DIMENSIONS Inches [Millimeters]



HOW TO ORDER



Seals		Seal Kit
N	Buna N	
V	Viton	

Porting [†]		In-Line Body w/o Cartridge
omit	Cartridge only	
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.