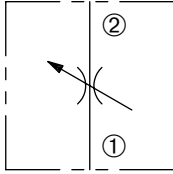


# DNV-080

Adjustable,  
Needle Valve

## SERIES 8

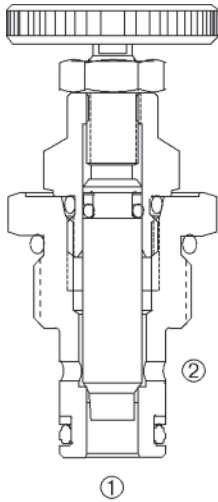


### DESCRIPTION

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.
- Full range of adjustments.
- Industry common cavity.
- Compact size.

### SPECIFICATIONS

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

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

Nominal flow 11 GPM (41.6 L/min).

**Cv Flow Factor:** (Full Open) .47

**Internal Leakage:** 0 drops/min. 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

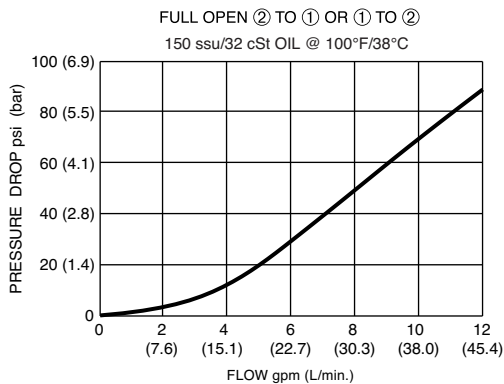
**Fluids:** Mineral-based fluids.

For other fluid compatibility, consult factory.

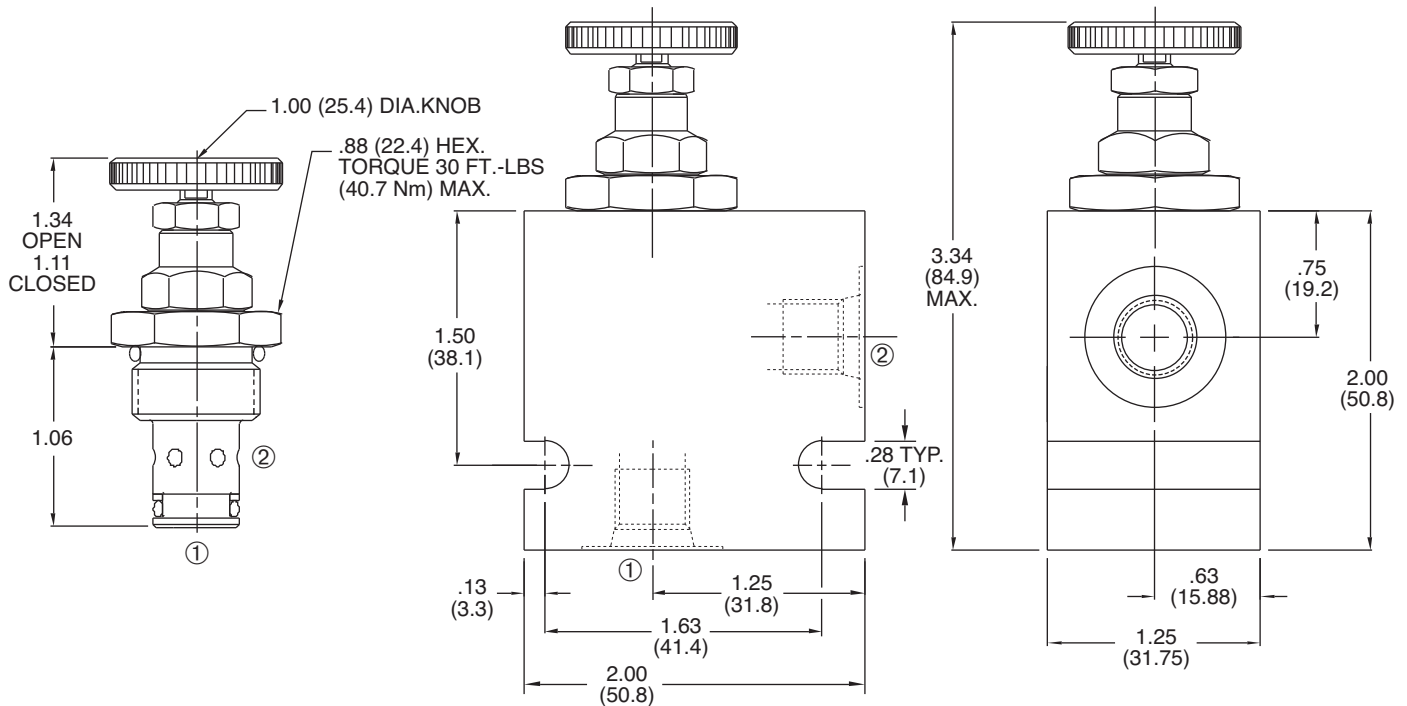
**Cavity/Cavity Tool:** 080-2, see page 11.08.2

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

### PRESSURE DROP VS. FLOW



**INSTALLATION DIMENSIONS**



( ) Parentheses = Millimeters

**HOW TO ORDER**

**DNV - 080 - \* - K - \*\***

NEEDLE VALVE

CAVITY/SEAL

SEALS

N = Buna N

V = Viton

K = Knob

PORTING

4T = SAE 4

6T = SAE 6

Omit for Cartridge Only.