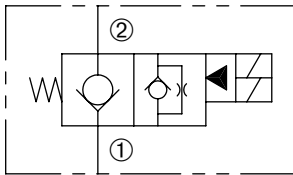


DDSV-080-2NCP

Normally-Closed, Two-Way, Two-Position,
Dual-Coil, Pilot-Operated Solenoid Valve

SERIES 8



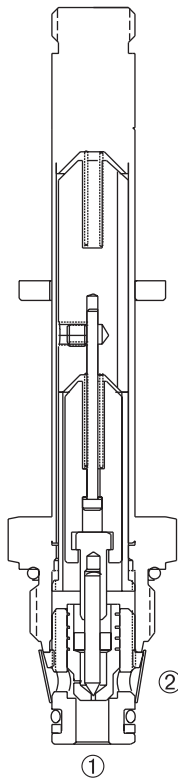
DESCRIPTION

A cartridge valve designed with positive shut off, low leakage, to be used in load holding applications where system requires redundant methods of operation.

OPERATION

When de-energized, the DDSV-080-2NCP acts as a check valve, allowing flow from ① to ②, while blocking flow from ② to ①.

When either the top primary or bottom redundant coil is energized, the poppet lifts to open the ② to ① flow path.



FEATURES and BENEFITS

- 4000 PSI rating (276 Bar).
- Continuous-duty solenoid.
- Efficient wet-armature construction.
- Hardened poppet and seat for long life.
- Cartridges are voltage interchangeable.
- Optional coil voltages and terminations.
- Filter screen standard.
- Low leak valve available.
- Industry common cavity.
- Compact size.

SPECIFICATIONS

Operating Pressure: 4000 PSI (276 Bar)

Flow: See PRESSURE DROP VS. FLOW graph.

Internal Leakage: 5 drops/min. max. at 4000 PSI (276 Bar)
Low leakage available-

Less than 2 drops/min. max. at 4000 PSI (276 Bar)

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

Coil Rating: [Continuous from 85% to 110% of rated voltage.](#)

Current Draw: 12 VDC is 1.3 amps.

Minimum Pull-In Voltage: 85% of rated voltage at 4000 PSI (276 Bar)

Response Time: 80% of final change of state with 100% voltage supplied at 100% of nominal flow rating.

Pull-In: 12 VDC 16 m. sec. **Drop-Out:** 12 VDC 18 m. sec.

Recommended Filtration: Critical Application – ISO 17/15/13

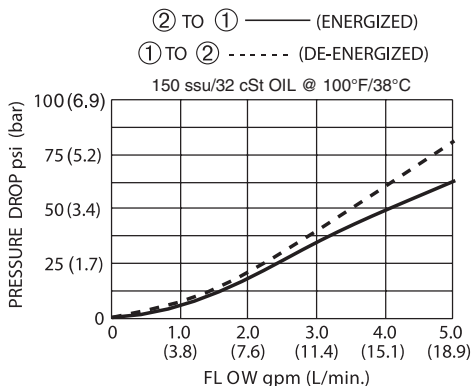
Non-Critical Application – ISO 20/18/14

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

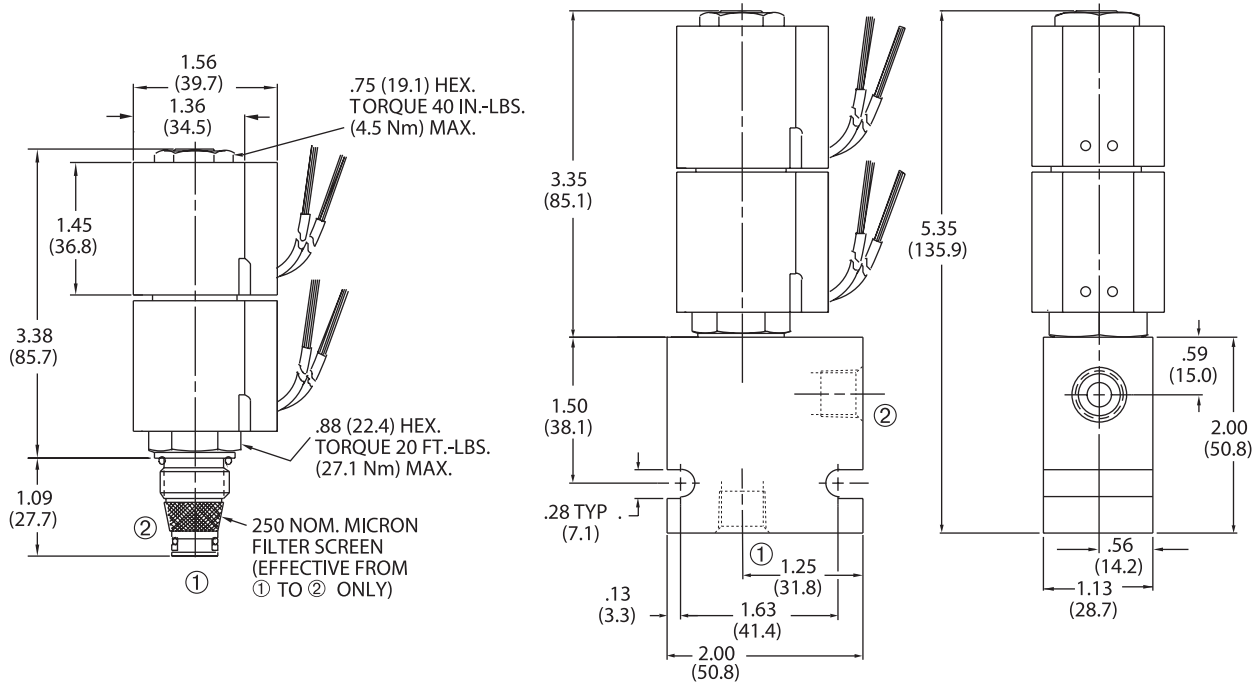
Cavity/Cavity Tool: [080-2, see page 11.08.2](#)

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

DDSV - 080 - 2 NC P - * - * - * - * - *

SOLENOID VALVE

CAVITY/SEAL

FLOW PATH

NORMALLY CLOSED

POPPET

SEALS
N = Buna N
V = Viton

M = Manual Override
(Omit for standard)

L = Low Leak Option
(Omit for standard)

D = DC
A = AC

PORTING

2N = 1/4 PTF

3N = 3/8 PTF

6T = SAE 6

8T = SAE 8

Omit for Cartridge Only

COIL CONNECTION

DE = Double Lead

SE = Single Lead

HS = Hirschmann®

CS = Conduit

BE = Double Spade

EE = Single Stud

UE = Deutsch

VOLTAGE

1 = 12 Volt

2 = 24 Volt

5 = 120 Volt

6 = 240 Volt

9 = 20 Volt

10 = 10 Volt

Omit coil for cartridge only with nut.

Other porting and coil options available – consult factory.