1.7

30SD08-26 TYPE

Solenoid Directional Valve

Rated pressure (bar / psi)	207 / 3000
Peak flow (L/min / gpm)	1.89 / 0.5 (See performance chart)

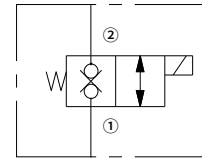
Features

- Continuous-duty rated coil
- Efficient wet-armature construction
- Cartridges are voltage interchangeable
- Optional waterproof E-Coils rated up to IP69K
- Industry common cavity
- Hardened parts for long life and low leakage

Contents

Description	02
Operation	02
Ordering code	02
Materials	02
Technical data	03
Performance	03
Dimensions	04

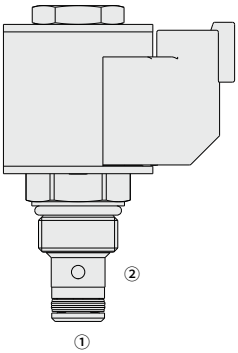
Symbol



01

Description

A solenoid-operated, 2-way, normally closed, direct-acting, needle-type, screw-in hydraulic cartridge valve, designed to function as a blocking or load-holding device for low flow circuits.



Operation

When de-energized, the30SD08-26 blocks flow in both directions, to pressure rating.
If pressure on ① exceeds the rating, flow may pass from ① to ② .
When energized, the needle point lifts to open the valve bidirectionally. Port ② is the recommended load-holding port.

Ordering Code

30SD08-26 □ - □ - □ - □□ □□

Option:
None Blank

Cartridge Only 0

Seals:
Buna N (Std.) N
Polyurethane P
Fluorocarbon V

E-Coil:
Less Coil 00
10VDC 10
12VDC 12
20VDC 20
24VDC 24

Termination (VDC) E-Coil:
Deutsch DT04-2P (IP69K Rated)) ER
Lead wires (2) (IP69K Rated) EL

Materials

Cartridge:
Weight: 0.11 kg; Steel with hardened work surfaces. Zinc-plated exposed surfaces; Buna N (Std.) seal.

Standard Ported Body:
Anodized high-strength aluminum alloy, rated to 240 bar; Ductile iron and steel bodies available; Dimensions may differ, consult factory.

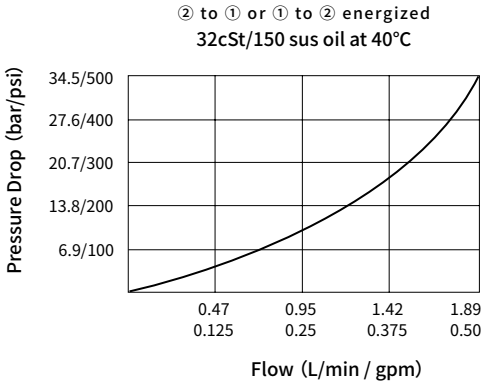
Standard Coil: Consult factory.

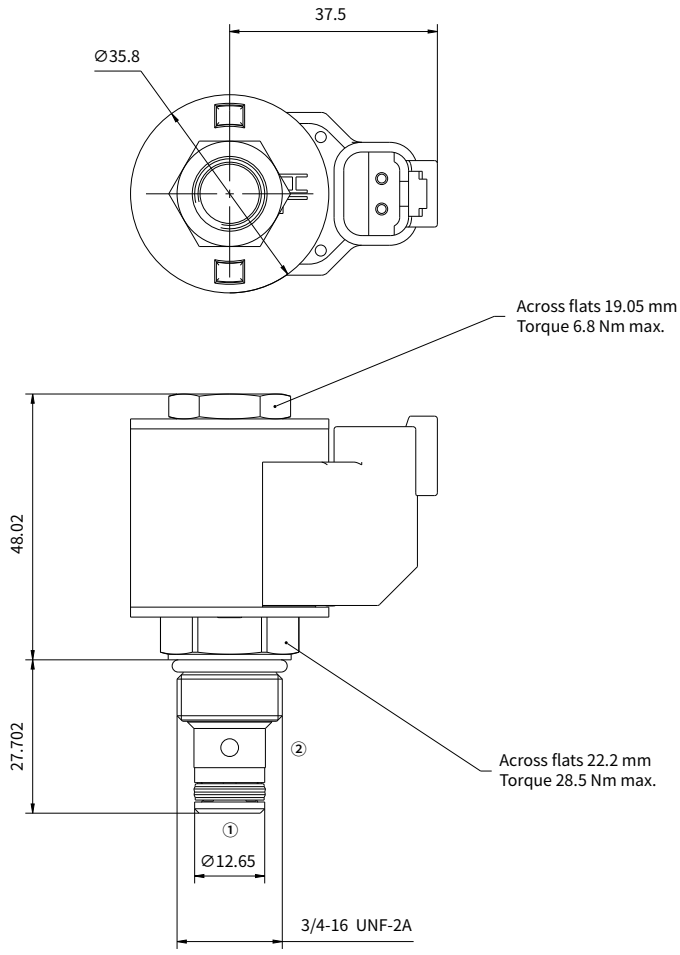
E-Coil:
Weight: 0.14 kg; Perfect wound, fully encapsulated with rugged external metal shell; Rated up to IP69K with Deutsch sockets.

Technical Data

Rated pressure	207 bar (3000 psi)
Peak flow	See performance chart
Effective orifice size	0.81 mm (0.032 in.)
Internal leakage	⩽ 3 drops/min @207 bar
Coil duty rating	Continuous from 85% to 115% of nominal voltage
Initial coil current draw at 20°C	1.4 A at 12VDC; 0.7 A at 24VDC
Minimum pull-in voltage	85% of nominal at 207 bar
Cavity	VC08-2
Fluid	Mineral-based or synthetics with lubricating properties
Viscosity range	7.4 to 420 mm^2/s
Temperature range	-40 to 100 °C (Buna N seals)
	-54 to 107 °C (Polyurethane seals)
	-26 to 204 °C (Fluorocarbon seals)
Degree of fluid contamination	The minimum pollution level is ISO4406 level 20/18/14, and level 17/15/13 is recommended to prolong the service life

Performance (Cartridge Only)



Dimensions

(Dimensions in mm)