



4.7

30MD10-20 TYPE

Directional Valve with Manual Operation

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

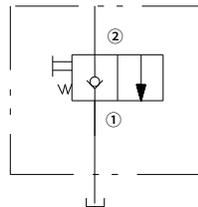
Features

- Hardened parts for long life and low leakage
- Remains closed to 12.4 bar (180 psi) back-pressure
- Optional rotational lock position
- Industry common cavity

Contents

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

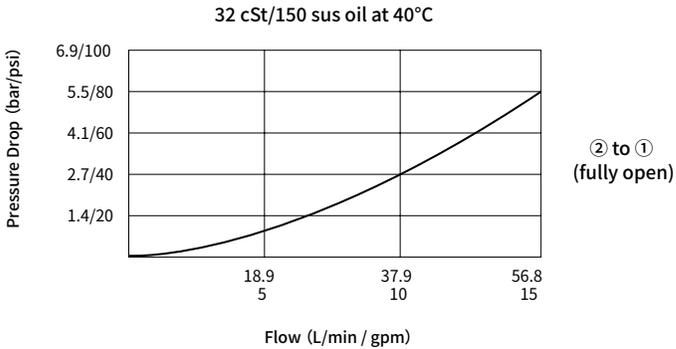
Symbol



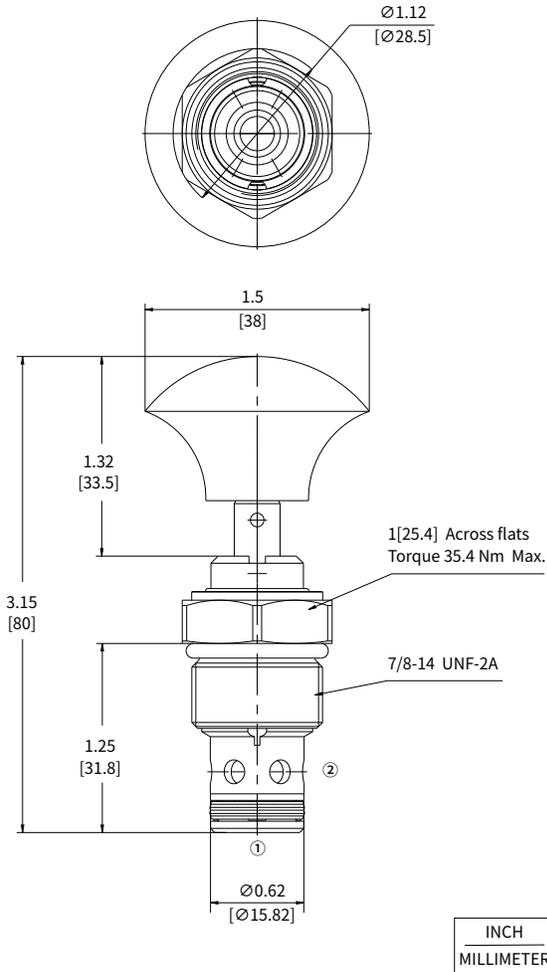
Technical Data

Rated pressure	207 bar (3000 psi)
Proof pressure	350 bar (5075 psi)
Peak flow	See performance chart
Internal leakage (② to ①)	≤ 5 drops/min @ 207 bar
Mechanical pull effort required at rated pressure	7.3 kg
Cavity	VC10-2 (See technical reference)
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)
	-26 to 204 °C (Fluorocarbon seals)
	-54 to 107 °C (Polyurethane 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



5

Flow Control Valves

Contents

Page

5.1	35F08-20F Type Regulator, Pressure-Compensated	295-298
5.2	30F10-30F Type Regulator, Pressure-Compensated	299-302
5.3	35F10-39A Type Flow Regulator, Pressure Compensated	303-306
5.4	35N10-20 Type Needle Valve	307-310
5.5	50F10-45 Type Flow Divider/Combiner	311-314
5.6	50F12-45 Type Flow Divider/Combiner	315-318
5.7	50F16-45 Type Flow Divider/Combiner	319-322

