

4.17

35PD10-32 TYPE Hydraulic Directional Valve

Rated pressure (bar / psi) 240 / 3500

Peak flow (L/min / gpm) 37.9 / 10 (See performance chart)

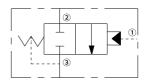
Features

- · Hardened parts for long life
- ·Compact size
- · Industry common cavity

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Symbol

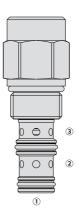


Description

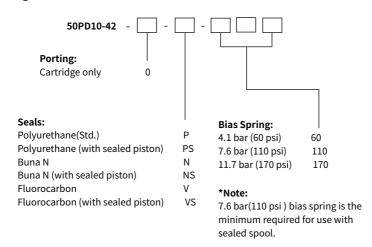
A screw-in, cartridge-style, normally closed, spool-type, hydraulic directional valve for 2-way circuits requiring remote pilot actuation.

Operation

In neutral (unpiloted), 35PD10-32 bi-directional block flow from 3 to 2. The spring chamber is connected to port 3, on remote hydraulic-control signal at 1, the valve shifts to open from 2 to 3 unidirectional



Ordering Code



Materials

Cartridge:

Weight: 0.2 kg; Steel with hardened work surfaces. Zinc-plated exposed surfaces; Polyurethane (Std.) seal.

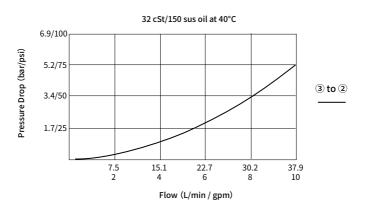
Standard Ported Body:

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

Technical Data

Rated pressure	240 bar (3500 psi)
Peak flow	See performance chart
Internal leakage	≤ 82 mL/min @ 207bar
Hydraulic control pressure requirements (Spool fully reversed)	Spring 4.1 bar: 4.7 bar
	Spring 7.6 bar: 8.6 bar
	Flow required for complete reversal of spool: 0.65 mL
Cavity	VC10-3 (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

