



6.5

50LA10-S35D TYPE

Piloted Spool-Type Logic Element

Rated pressure (bar / psi)	350 / 5000
Peak flow (L/min / gpm)	75.8 / 20 (See performance chart)

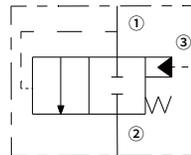
Features

- Multiple function/application potential
- Low pressure drop
- Industry common cavity

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Symbol



Description

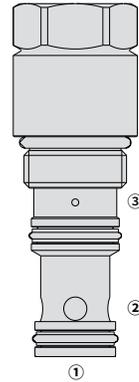
A spool-type, screw-in, cartridge-style, hydraulic directional element, with multifunction potential when used with other directional, pressure, or flow control devices.

Operation

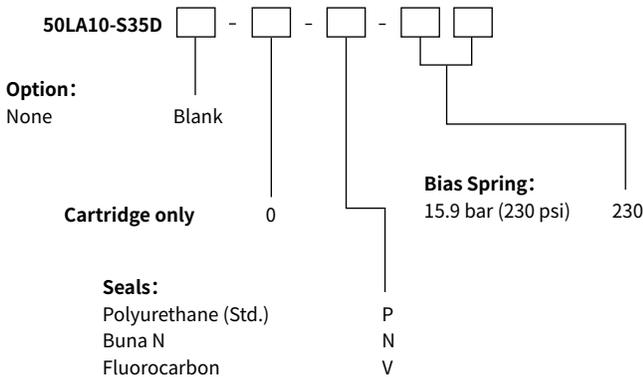
The valve is a spring-biased blocking valve which will shift to allow full flow from ① to ② only when pressure at ① exceeds the cumulative pressure of ③, plus the bias spring pressure value.

50LA10-S35D is a pilot-to-close directional valve.

With no pressure at ③, flow will be allowed from ① to ② once the bias spring force is overcome with pressure at ①.



Ordering Code



Materials

Cartridge:

Weight: 0.19 kg; Steel with hardened work surfaces. Zinc-plated exposed surfaces; Polyurethane (Std.) seal.

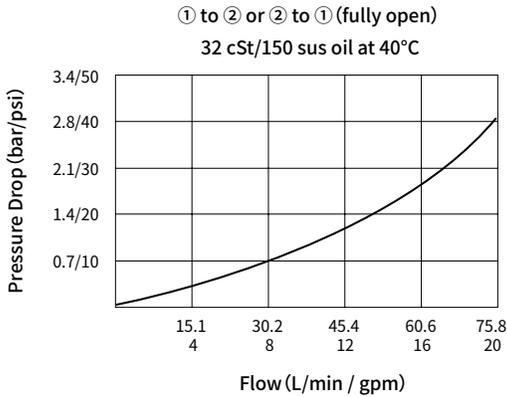
Standard Ported Body:

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

Technical Data

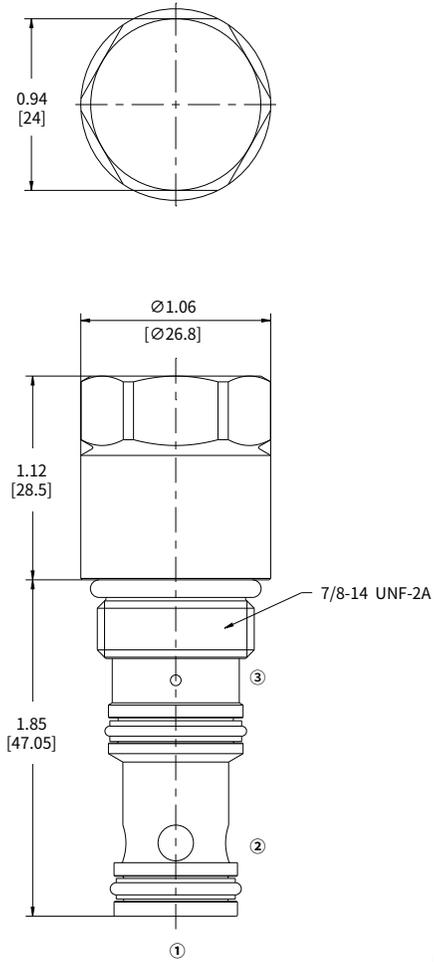
Rated pressure	350 bar (5000 psi)
Peak flow	See performance chart
Internal leakage	≤ 164 mL/min @ 207 bar
Cavity	VC10-S3 (See technical reference)
Fluid	Mineral-based or synthetics with lubricating properties
Viscosity range	7.4 to 420 mm ² /s
Temperature range	-54 to 107 °C (Polyurethane seals)
	-40 to 100 °C (Buna N seals)
	-26 to 204 °C (Fluorocarbon seals)
Degree of fluid contamination	The minimum pollution level is ISO4406 level 18/16/13, and level 15/13/11 is recommended to prolong the service life

Performance (Cartridge Only)



Dimensions

(Dimensions in mm)



INCH
MILLIMETER