

Bypass/restrictive, priority modulating element

Capacity:
15 gpm (60 L/min.)

Functional Group:

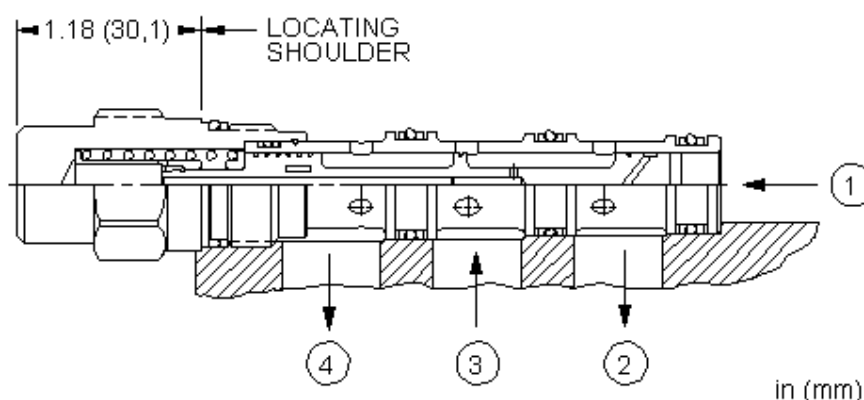
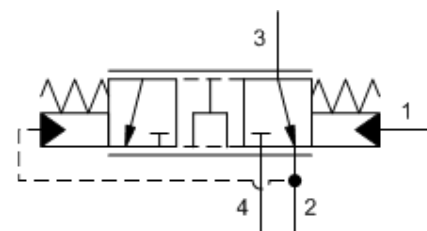
Products : Cartridges : Logic Element : Modulating : Bypass/Restrictive

Model:

LHDA

Product Description

Bypass/restrictive modulating elements, when combined with an external orifice, create a bypass/restrictive flow control. Input flow (port 3) is directed to the priority or control flow at port 2. Once the priority requirements are met, excess flow is bypassed out port 4. The after-orifice signal is connected to port 1. The before-orifice design allows both pressure and flow to be controlled on the priority side of the circuit regardless of pressure in the bypass circuit. These valves work equally well in either closed or open center systems. Their main use is to allow after-market accessories to be driven off the host machine's hydraulic system without adding an additional pump.



Technical Features

- Bypass flow is not available until priority flow requirements are satisfied.
- Priority flow can be turned on or off with a pilot sized solenoid valve on port 1.
- Bypass pressure at port 4 can be higher than pressure at control port 2.
- Incorporates the Sun floating style construction to minimize the possibility of internal parts binding due to excessive installation torque and/or cavity/cartridge machining variations.

Technical Data

	U.S. Units	Metric Units
Cavity	T-31A	
Capacity	15 gpm	60 L/min.
Maximum Operating Pressure	5000 psi	350 bar
Series (from Cavity)	Series 1	
Valve Hex Size	7/8 in.	22,2 mm
Valve Installation Torque	30 - 35 lbf ft	40 - 50 Nm
Seal Kits - Cartridge	Buna: 990-031-007	
Seal Kits - Cartridge	Viton: 990-031-006	
Model Weight	0.36 lb.	0.16 kg.

LHDA-XFN

Control	Differential Pressure	Seal Material
Standard Options	Standard Options	Standard Options
X Not Adjustable	E 75 psi (5 bar)	N Buna-N
	F 100 psi (7 bar)	V Viton