

Normally closed modulating element with shuttle

Capacity:
15 gpm (60 L/min.)

Functional Group:

Products : Cartridges : Logic Element : Modulating : Normally Closed with Shuttle

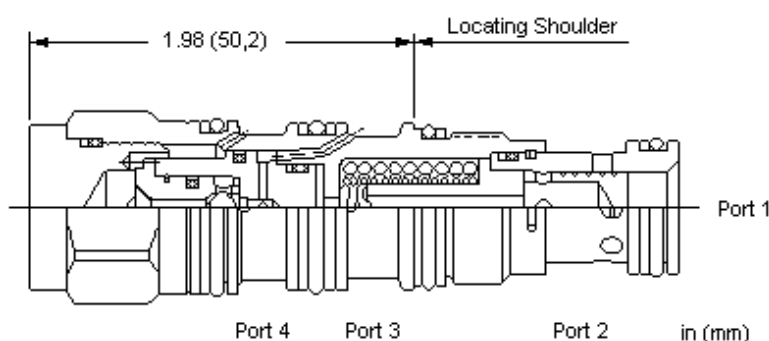
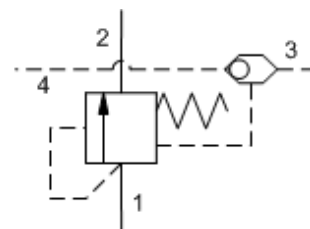
Model:

LRDS

Product Description

A normally closed modulating element, used as a bypass compensator, ensures a constant pressure drop across an external orifice to create a pressure compensated flow control. The resulting flow remains constant regardless of variations in upstream or downstream pressure.

A ball shuttle connects the after orifice signal from the higher of port 3 or 4 to the pilot area.



Technical Features

- The shuttle features hardened steel balls and seats for excellent wear characteristics and contamination tolerance.
- The single ball shuttle allows for the decay of the pressure signal when both load ports drop to a lower pressure.
- All ports will accept 5000 psi (350 bar).
- 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-21A	
Capacity	15 gpm	60 L/min.
Nominal Compensating Pressure	200 psi	14 bar
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: 990-021-007	
Seal Kits - Cartridge	Viton: 990-021-006	
Model Weight	0.35 lb.	0.16 kg.

LRDS-XHN

Control

Standard Options

X Not Adjustable

Differential Pressure

Standard Options

H 200 psi (14 bar)

Seal Material

Standard Options

N Buna-N

V Buna-N