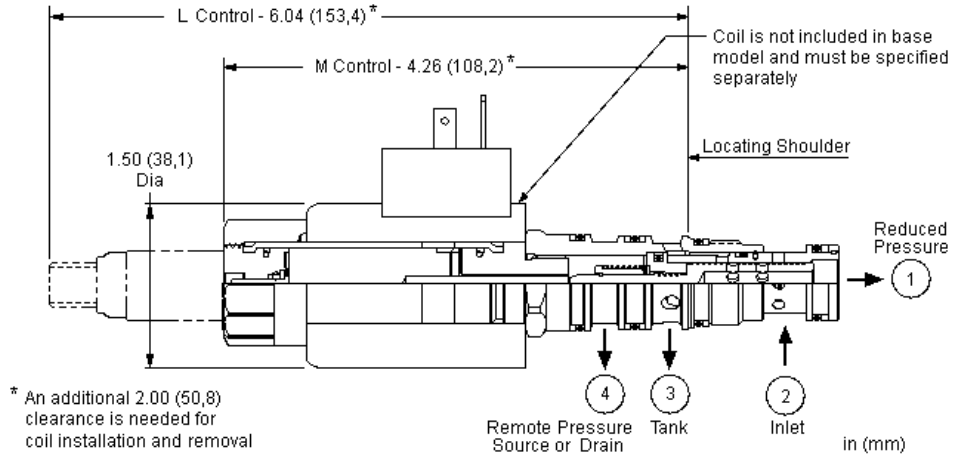


CONFIGURATION

L Control	Standard Screw Adjustment
Operating Range	
Seal Material	
Coil	



This electro-proportional, direct-acting reducer/reliever valve reduces a high primary pressure at the inlet (port 2) to a constant reduced pressure at port 1, with a full flow relief function from port 1 to tank (port 3). The valve is biased to the relieving mode. Energizing the coil connects port 2 to port 1. Increasing the current to the coil will proportionally increase the reduced pressure at port 1. If pressure at port 1 exceeds the setting induced by the coil, pressure at port 1 is relieved to port 3. Draining port 4 makes the valve insensitive to pressure at port 3. This valve is open in the transition from reducing to relieving which provides good pressure control and dynamic response. Optional full manual control is available.

TECHNICAL DATA

Maximum Operating Pressure	5000 psi
Maximum Valve Leakage at 110 SUS (24 cSt)	20 in ³ /min.
Adjustment - No. of CW Turns from Min. to Max. setting	5
Locknut Hex Size	9/16 in.
Locknut Torque	80 - 90 lbf in.
Seal kit - Cartridge	Buna: 990-021-007
Seal kit - Cartridge	Polyurethane: 990-021-002
Seal kit - Cartridge	Viton: 990-021-006

NOTES: • Please verify cartridge clearance requirements when choosing a Sun manifold. Different valve controls and coils require different clearances.

CONFIGURATION OPTIONS

Model Code Example: PSDLLMDN

CONTROL	(L)	OPERATING RANGE	(S)	SEAL MATERIAL	(V)	COIL *
L Standard Screw Adjustment		S 10 - 100 psi (0,7 - 7 bar)		V Viton		No coil
M Manual Override (Standard)		B 100 - 1125 psi (7 - 77,5 bar)		N Buna-N		* Additional coil options are available
		D 50 - 485 psi (3,5 - 33,5 bar)				
		E 25 - 250 psi (1,7 - 18 bar)				