

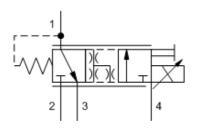


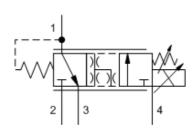
Electro-proportional, direct-acting, pressure reducing/relieving valve with open transition and drain to port 4

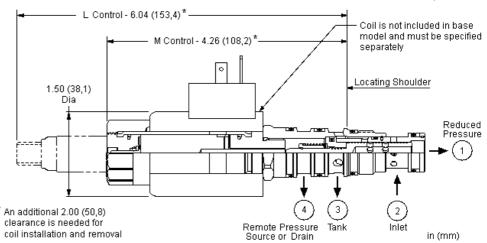
SERIES 1 / CAPACITY: 20 L/min. / CAVITY: T-21A











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**

NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

Maximum Operating Pressure	350 bar	
Maximum Valve Leakage at 110 SUS (24 cSt)	330 cc/min.	
Adjustment - No. of CW Turns from Min. to Max. setting	5	
Locknut Hex Size	15 mm	
Locknut Torque	9 - 10 Nm	
Seal kit - Cartridge	Buna: 990021007	
Seal kit - Cartridge	Polyurethane: 990021002	
Seal kit - Cartridge	Viton: 990021006	

**NOTES** 

CONTROL

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

## **CONFIGURATION OPTIONS**

Model Code Example: PSDLMDN

	(Standard)

L Standard Screw Adjustment

(M) OPERATING RANGE

(D) SEAL MATERIAL

(N) COIL \*

**B** 100 - 1125 psi (7 - 77,5 bar) **E** 25 - 250 psi (1,7 - 18 bar)

**S** 10 - 100 psi (0,7 - 7 bar)

Viton

212 DIN 43650-Form A, 12 VDC 224 DIN 43650-Form A, 24 VDC

712 Twin Lead, 12 VDC

724 Twin Lead, 24 VDC

912 Deutsch DT04-2P, 12 VDC

924 Deutsch DT04-2P, 24 VDC

\* Additional coil options are available