



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. This valve is open in the transition from reducing to relieving. It 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: 990511007
Seal kit - Cartridge	Viton: 990511006

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

**CONFIGURATION OPTIONS**

**Model Code Example: PRDLMDN**

CONTROL	(M) OPERATING RANGE	(D) SEAL MATERIAL	(N) COIL *
<b>M</b> Manual Override (Standard)	<b>D</b> 50 - 485 psi (3,5 - 33,5 bar)	<b>N</b> Buna-N	No coil
<b>E</b> Twist (Extended) Manual Override	<b>E</b> 25 - 250 psi (1,7 - 18 bar)	<b>E</b> EPDM	<b>212</b> DIN 43650-Form A, 12 VDC
<b>L</b> Standard Screw Adjustment	<b>B</b> 100 - 1125 psi (7 - 77,5 bar)	<b>V</b> Viton	<b>224</b> DIN 43650-Form A, 24 VDC
<b>X</b> No Manual Override	<b>S</b> 10 - 100 psi (0,7 - 7 bar)		<b>712</b> Twin Lead, 12 VDC
			<b>724</b> Twin Lead, 24 VDC
			<b>912</b> Deutsch DT04-2P, 12 VDC
			<b>924</b> Deutsch DT04-2P, 24 VDC

\* Additional coil options are available