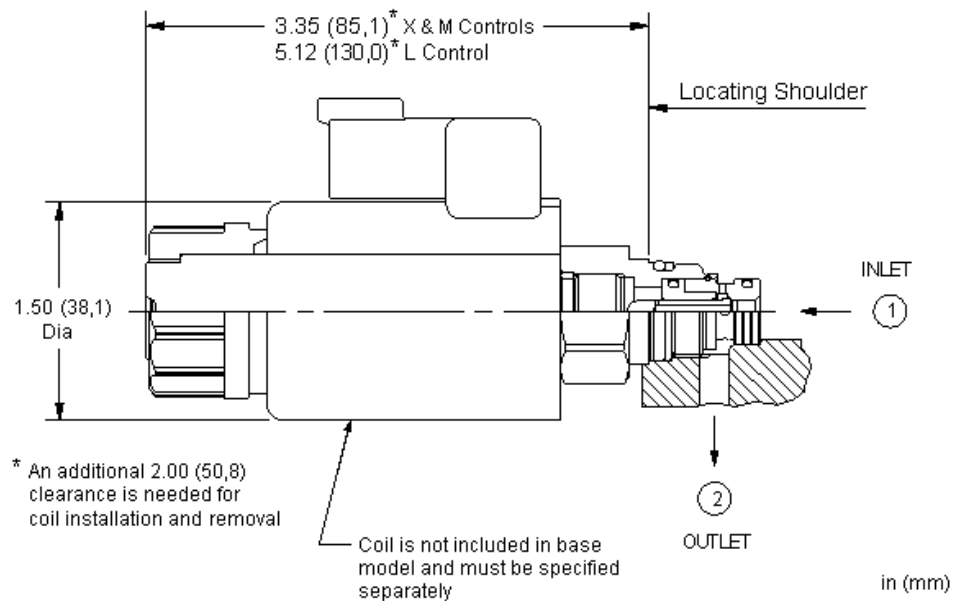
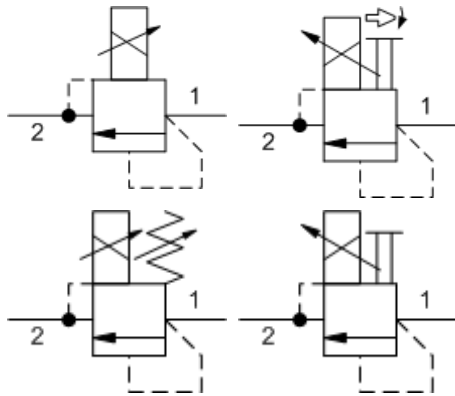




This 2-port, pilot-stage, direct-acting relief cartridge is an electro-proportionally controlled, pressure regulating valve. The proportional control allows for infinite, step-less adjustability within the selected pressure range. When the pressure at port 1 (inlet) is sufficient to overcome the solenoid forces, as determined by the analog input signal, the poppet lifts and allows flow from port 1 to port 2 (outlet). This pilot control cartridge utilizes the T-8A cavity so it can be used in conjunction with Sun's main stage, pressure control elements.

TECHNICAL DATA

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

Maximum Operating Pressure	5000 psi
Maximum Valve Leakage at Reseat	1.5 in ³ /min.
Manual Override Force Requirement	10 lbs/1000 psi @ Port 1
Reseat	>85% of setting
Seal kit - Cartridge	Buna: 990208007
Seal kit - Cartridge	EPDM: 990008014
Seal kit - Cartridge	Viton: 990208006

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

CONFIGURATION OPTIONS

Model Code Example: RBAPXAN

CONTROL	(X) ADJUSTMENT RANGE	(A) SEAL MATERIAL	(N) COIL *
X No Manual Override	A 300 - 3000 psi (20 - 210 bar)	N Buna-N	No coil
E Twist (Extended) Manual Override	B 150 - 1500 psi (10,5 - 105 bar)	E EPDM	212 DIN 43650-Form A, 12 VDC
L Manual Override - Adjustable	D 50 - 750 psi (3,5 - 50 bar)	V Viton	224 DIN 43650-Form A, 24 VDC
T Tuning Adjustment	W 500 - 5000 psi (35 - 350 bar)		224NX01 DIN 43650-Form A, 24 VDC, no transient voltage suppression (TVS) diodes, with XMD-01 driver
			224NX02 DIN 43650-Form A, 24 VDC, no transient voltage suppression (TVS) diodes, with XMD-02 driver
			912 Deutsch DT04-2P, 12 VDC
			912NX01 Deutsch DT04-2P, 12 VDC, no transient voltage suppression (TVS) diodes, with XMD-01 driver
			912NX02 Deutsch DT04-2P, 12 VDC, no

	transient voltage suppression (TVS) diodes, with XMD-02 driver
924	Deutsch DT04-2P, 24 VDC
924NX01	Deutsch DT04-2P, 24 VDC, no transient voltage suppression (TVS) diodes, with XMD-01 driver
924NX02	Deutsch DT04-2P, 24 VDC, no transient voltage suppression (TVS) diodes, with XMD-02 driver

* Additional coil options are available