



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	350 bar
Maximum Valve Leakage at Reseat	25 cc/min.
Manual Override Force Requirement	66 N/100 bar @ 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 *
<b>X</b> No Manual Override	<b>A</b> 300 - 3000 psi (20 - 210 bar)	<b>N</b> Buna-N	No coil
<b>E</b> Twist (Extended) Manual Override	<b>B</b> 150 - 1500 psi (10,5 - 105 bar)	<b>E</b> EPDM	<b>212</b> DIN 43650-Form A, 12 VDC
<b>L</b> Manual Override - Adjustable	<b>D</b> 50 - 750 psi (3,5 - 50 bar)	<b>V</b> Viton	<b>224</b> DIN 43650-Form A, 24 VDC
<b>T</b> Tuning Adjustment	<b>W</b> 500 - 5000 psi (35 - 350 bar)		<b>912</b> Deutsch DT04-2P, 12 VDC <b>924</b> Deutsch DT04-2P, 24 VDC

\* Additional coil options are available