



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
Manual Override Force Requirement	10 lbs/1000 psi @ Port 1
Maximum Valve Leakage at Reseat	1.5 in <sup>3</sup> /min.
Reseat	>85% of setting
Seal kit - Cartridge	Buna: 990-208-007
Seal kit - Cartridge	EPDM: 990-008-014
Seal kit - Cartridge	Viton: 990-208-006

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

**CONFIGURATION OPTIONS**

**Model Code Example: 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		* Additional coil options are available
<b>L</b> Manual Override - Adjustable		<b>D</b> 50 - 750 psi (3,5 - 50 bar)		<b>V</b> Viton		
<b>M</b> Manual Override		<b>W</b> 500 - 5000 psi (35 - 350 bar)				
<b>T</b> Tuning Adjustment						