

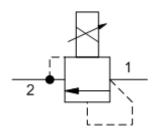
**MODEL RBAP** 

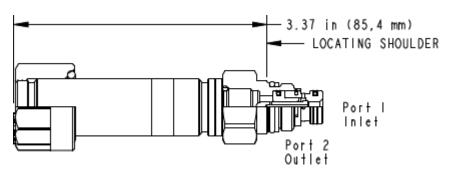
Electro-proportional relief valve - pilot capacity

CAPACITY: .25 gpm / CAVITY: T-8A



sunhydraulics.com/model/RBAP





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**

CONTROL

### Model Code Example: RBAPXAN

ADJUSTMENT RANGE

(X)

**SEAL MATERIAL** 

COIL \*

#### No Manual Override

- Twist (Extended) Manual Override
- Manual Override Adjustable
- Manual Override
- **Tuning Adjustment**

150 - 1500 psi (10,5 - 105 bar)

- 300 3000 psi (20 210 bar)
  - 50 750 psi (3,5 50 bar)
  - 500 5000 psi (35 350 bar)

#### N Buna-N

**EPDM** 

Viton

# No coil

Additional coil options are available

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