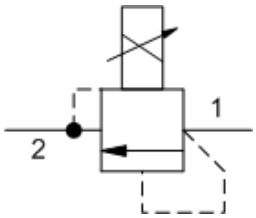
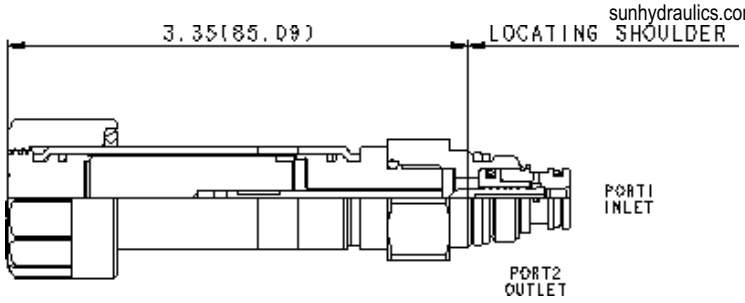
MODEL
RBAP

Electro-proportional relief valve - pilot capacity
SERIES P / CAPACITY: .25 gpm / CAVITY: T-8A

sunhydraulics.com/model/RBAP





CONFIGURATION

X	Control	No Manual Override
W	Adjustment Range	500 - 5000 psi (35 - 350 bar)
N	Seal Material	Buna-N
(none)	Coil	No coil

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 in³/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: RBAPXWN

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

* Additional coil options are available

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