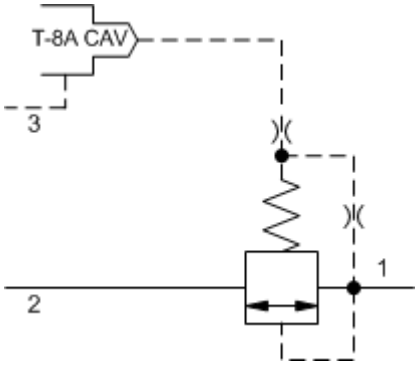
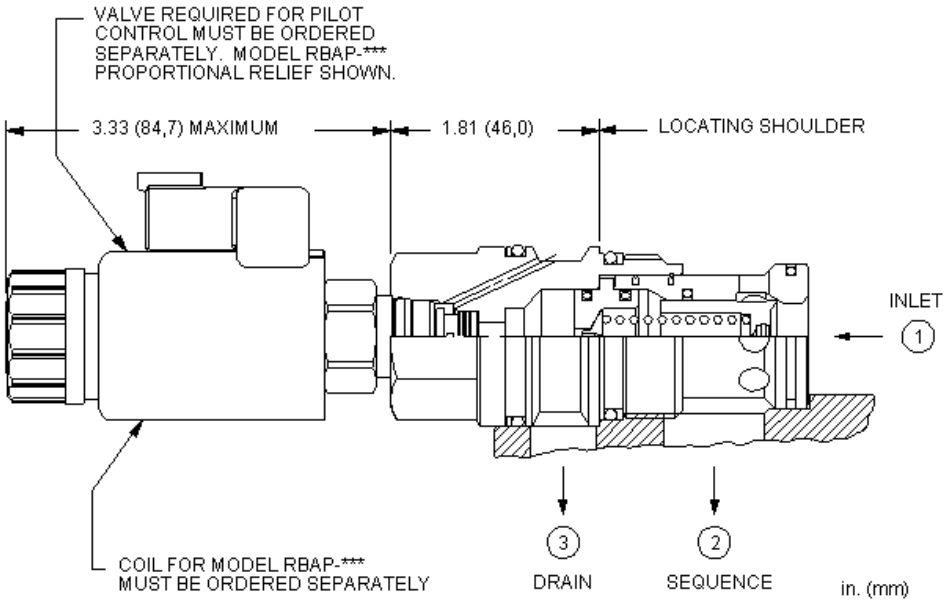
Pilot-operated, balanced poppet sequence main stage with integral T-8A control cavity

CAPACITY: 60 gpm / CAVITY: T-17A

sunhydraulics.com/model/RSHS8





This valve is a normally closed poppet element that incorporates an integral pilot control cavity. It is externally drained, and is a balanced poppet design. The pilot control cavity will accept any T-8A pressure control cartridge. When the pressure at the inlet (port 1) reaches the pilot control cartridge's setting, the poppet element starts to open to port 2, throttling flow to regulate the pressure. The pilot cartridge's setting determines the difference in pressure between the inlet (port 1) and the drain (port 3). These valves are insensitive to back pressure at port 2, up to the valve setting. They may be used to regulate pressure in place of 2-port relief valves if there is pressure in the return line.

TECHNICAL DATA

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

Maximum Operating Pressure	5000 psi
Control Pilot Flow	15 - 20 in³/min.
Main stage leakage at reseat	10 drops/min.
Pilot Control Cavity	T-8A
Pilot Control Valve Hex Size	7/8 in.
Pilot Control Valve Installation Torque	20 - 25 lbf ft
Response Time - Typical	2 ms
Seal kit - Cartridge	Buna: 990-217-007
Seal kit - Cartridge	Polyurethane: 990-217-002
Seal kit - Cartridge	Viton: 990-217-006

NOTES: • Compound cartridge (pilot and main stage) assembly information is provided for reference only. Cartridges must be ordered separately and assembled at point of use.

CONFIGURATION OPTIONS

Model Code Example: RSHS8WN

MINIMUM CONTROL PRESSURE	(W)
W	100 psi (7 bar)
B	50 psi (3,5 bar)

SEAL MATERIAL	(N)
N	Buna-N
V	Viton