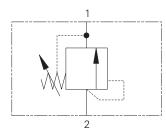
RV8-16 - Relief valve

Poppet, direct acting, differential area 30-303 L/min (8-80 USgpm) • 350 bar (5000 psi)



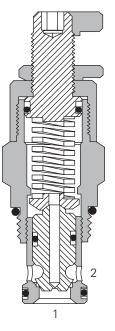
Operation

This valve remains closed from port 2 to 1 until the predetermined setting has been reached at port 2. The pressure acts on the differential area between the seat and the seal diameter on the poppet.

Features

Hardened and ground working parts. Low leakage poppet design. High flow rate for a compact cartridge.

Sectional view



Performance data

Ratings	and	specifications
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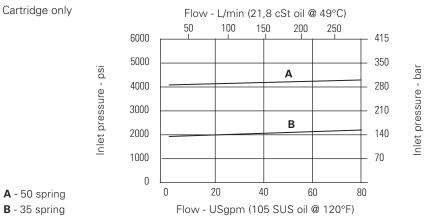
Performance data is typical with fluid at 21,8 cSt (105 SUS) and 49° C (120° F)	
Typical application pressure	350 bar (5000 psi)
Cartridge fatigue pressure (infinite life)	350 bar (5000 psi)
Rated flow	30-303 L/min (8-80 USgpm)
Cavity	C-16–2
Standard housing materials	Aluminum or steel
Temperature range	-40° to 120°C (-40° to 248°F)
Fluids	All general purpose hydraulic fluids such as: MIL–H–5606, SAE 10, SAE 20, etc.
Filtration	Cleanliness Code 18/16/13
Weight cartridge only	0,71 kg (1.57 lbs)
Seal kits	565810 Buna–N 889609 Viton®

Viton is a registered trademark of E.I. DuPont

Description

This is a fast, direct acting differential area screw-in cartridge relief valve. The valve is ideal for the protection against shock pressures that can damage actuators.

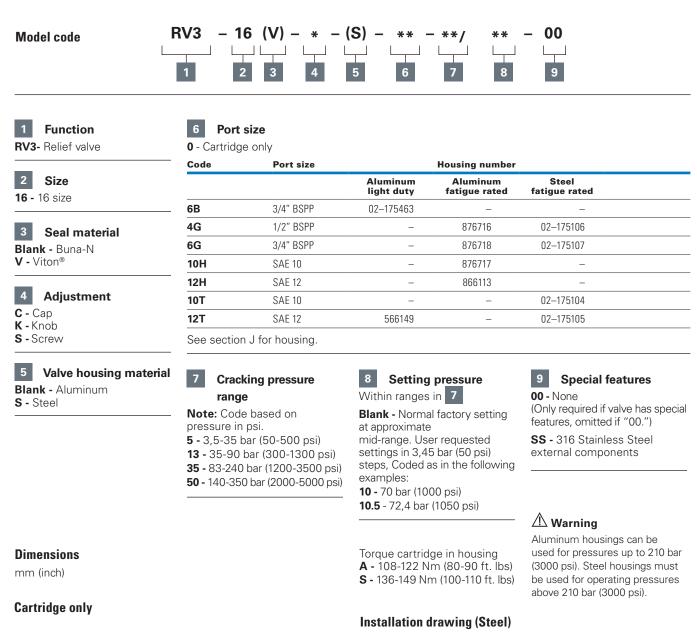


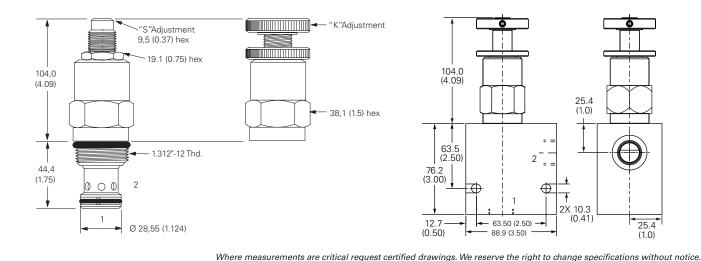


Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.

RV8-16 - Relief valve

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Eaton Hydraulic Screw-in Cartridge Valves (SiCV) E-VLSC-MC001-E6-January 2018 www.eaton.com

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