

Relief Valves

RV10-POP

Relief valve, Pilot Operated, Poppet Type with Reverse Free Flow

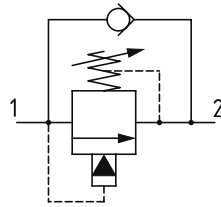
250 bar [3600 psi] • 120 l/min [32 US gpm]



DESCRIPTION AND OPERATION

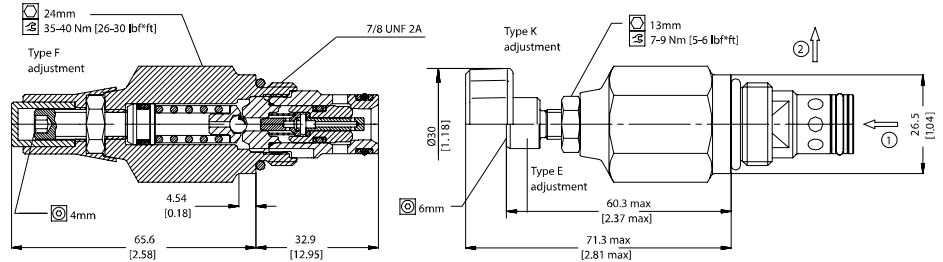
This is a pilot operated, poppet type relief valve that relieves from port 1 to port 2 with an integrated reverse flow check valve from port 2 to 1. Due to its unique poppet design, this valve offers faster response than a typical pilot operated valve. It can be used to limit pressure in a system or on a service line of a directional valve. It maintains accurate pressure control with constant or varying flows, while also allowing make up flow through in the reverse direction.

SCHEMATIC



DIMENSIONS

mm [in]

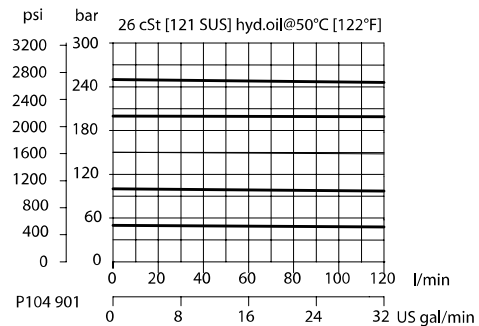


PERFORMANCE DATA

Rated pressure	250 bar [3600 psi]
Rated flow	120 l/min [32 US gpm]
Leakage	6 drops/min @ 80% of pressure setting
Weight	0.22 kg [0.49 lb]
Cavity	SDC10-2

PERFORMANCE CURVES

Pressure Override



MODEL CODE

RV10 - POP - 3 - E - 100 - B - 00

Pressure Range

Code	Bar	Psi
3	25-250	[360-3600]
Standard Setting	Not set	

Adjustment Option

E - External
F - Tamper Resistant
K - Knob

Pressure Setting

Code-Pressure setting in bar (5 bar increments within specified Pressure Range)
XXX-Standard setting (see Pressure Range for value)

Example:

Code	Bar	Psi
100	100	[1450]

Housing

Code	Ports & Material	Housing Model Code
Omit	No Housing	No Housing
6S	Al, #6 SAE	CP10-2-6S
8S	Al, #8 SAE	CP10-2-8S
DG3B	Al, 3/8 BSP	DC10-2-DG3B
DG4B	Al, 1/2 BSP	DC10-2-DG4B

* Aluminum bodies are to be used for pressures less than 210 bar [3000 psi].

* Additional housings available

Seal Option

Code	Seal kit
B-Buna - N	354004019
V-Viton	354003419