

Relief Valves

RV5-16

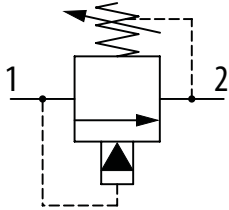
Relief valve, Pilot operated, Spool Type

350 bar [5000 psi] • 300 l/min [80 US gpm]

DESCRIPTION AND OPERATION

This is a pilot operated, spool type relief valve that relieves from port 1 to port 2. It can be used to limit pressure in a system while maintaining accurate pressure control with constant or varying flows.

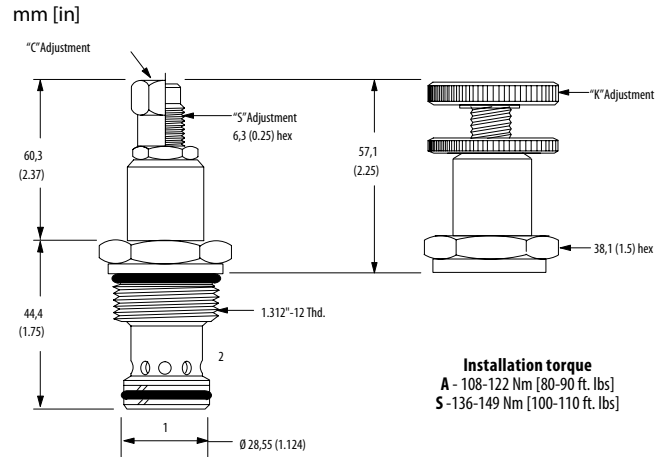
SCHEMATIC



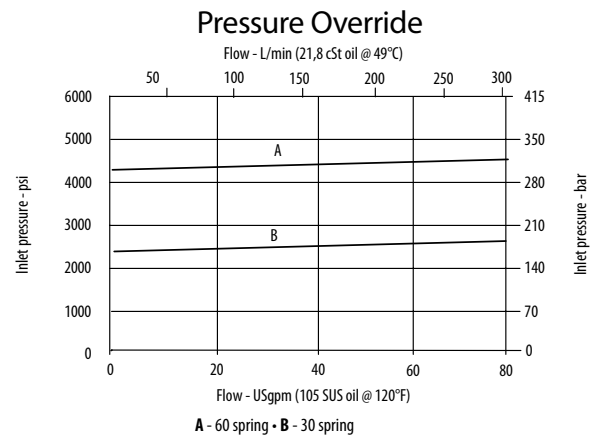
PERFORMANCE DATA

Rated pressure	350 bar [5000 psi]
Rated flow	300 l/min [80 US gpm]
Leakage	164 ml/min [10 l ³ /min] @ 350 bar [5000 psi]
Weight	0.71 kg [1.57 lb]
Cavity	SDC16-2

DIMENSIONS



PERFORMANCE CURVES



MODEL CODE

RV5 - 16 - V - S - S - 4G - 30 - 10

Seal Option

Code	Seal Kit
Omit-Buna - N	889631
V-Viton	889635

Adjustment Option

S - External
 C - Tamper Resistant
 K - Knob

Housing Material

Omit - Aluminum/No housing
 S - Steel

Housing

Code	Ports	Housing Model Code		
		Aluminum Standard Duty	Aluminum Heavy Duty	Steel Heavy Duty
0	No Housing			
6B	3/4" BSP	02-175463	—	—
4G	1/2" BSP	—	876716	02-175106
6G	3/4" BSP	—	876718	02-175107
10H	#10 SAE	—	876717	—
12H	#12 SAE	—	566113	—
10T	#10 SAE	—	—	02-175104
12T	#12 SAE	566149	—	02-175105

Pressure Setting

Code x100 - Pressure setting in psi (50 psi increments within specified Pressure Range)

XXX-Standard setting (see Pressure Range for value)
 Examples:

Code	Bar	Psi
10	69	[1000]
10.5	72.4	[1050]

Pressure Range

Code	Bar	Psi
30	34-210	[500-3000]
Standard Setting	103	[1500]
60	69-415	[1000-6000]
Standard Setting	210	[3000]

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

* Additional housings available