

# RV5

## Pressure Relief Valve

Pressure relief valves limit the maximum working pressure of a hydraulic system to a pre-determined rating thus providing protection against the overloading of system components.

Direct acting relief valves unload flow to tank when system pressure is enough to compress a spring which unseats a poppet. They provide high tolerance to contamination and are generally used for low flow rates where precise pressure control is not critical.

### Specifications

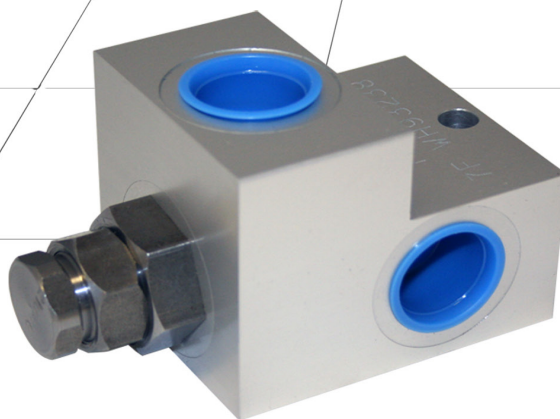
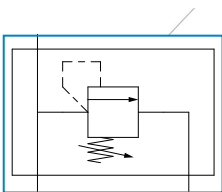
<b>Maximum Pressure:</b>	Up to 276 bar, 4000 psi
<b>Maximum Flow:</b>	Up to 70 L/min, 18 US gpm
<b>Porting:</b>	3/4" BSPP
<b>Material:</b>	<b>Body Materials:</b> High Tensile Aluminium
	<b>Internal Materials:</b> Steel
	<b>Cartridge:</b> Steel
<b>Weight:</b>	0.73 kg, 1.6 lb
<b>Mounting:</b>	One 8.7mm x 40mm, 0.343" x 1.575" Mounting Hole



### Features

- Direct acting in-line relief valve giving high tolerance to contamination.
- Quick response provides protection against shock loads.
- Provides protection against thermal expansion of fluid.
- Flow through pressure ports enable the valve to be connected in-line with mounting versatility and convenience.

### Symbol:

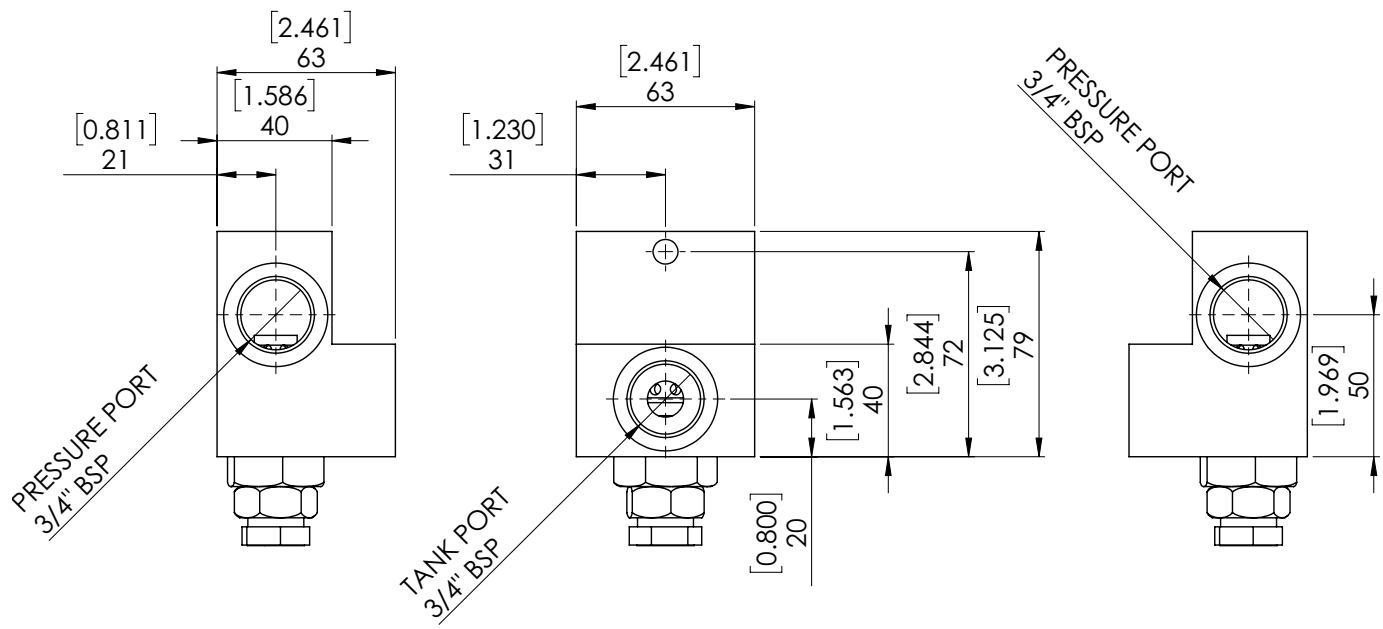


Ordering Codes

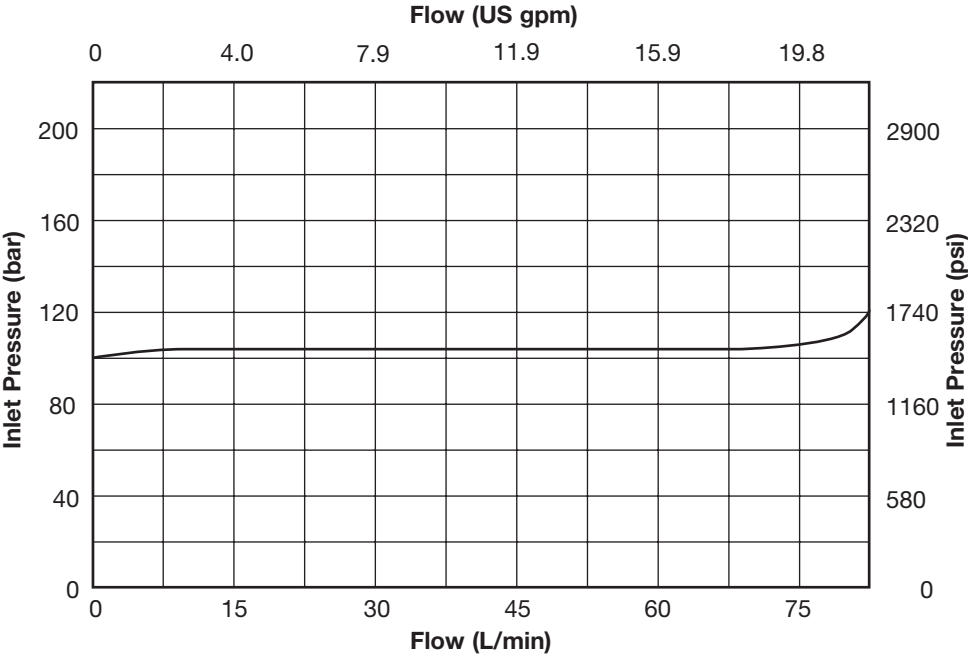
TYPICAL CODE	DESCRIPTION	YOUR CODE
RV5	Basic Valve - Valve Type	RV5
170	Pressure Setting in bar from 100 to 276 bar	

Note: When contacting sales please specify required pressure setting for valve.

Dimensional Photo: mm [Inches]



Typical Characteristics  
(at one Pressure Setting)



Test Conditions: hydraulic mineral oil viscosity of 27.4 centistokes  
49 °C , 120 °F.