

# High Flow Back Pressure Regulator 150-6000 psi Outlet Aluminum

SKU: 635-K

Price: ?172.00



## Description

Also known as a priority valve, the model 635 is a fully balanced economical regulator. It is similar to the model 211 regulator but is capable of much higher flows. It is used primarily on compressors to maintain back pressure on filters and separators thus improving their efficiency as much as 1000%.

The stainless steel metal to metal seat is designed to be self-cleaning and prevent freeze up. It maintains constant back pressure (set pressure) independent of outlet pressure. When outlet pressure (such as in a tank being filled) reaches set pressure the regulator opens fully permitting unrestricted flow. Normally the valve is set for back pressures of 1500 to 6000 psi (103-414 bar). However, it can be operated with set pressures as low as 150 psi (10 bar). Lighter than standard springs can be ordered to improve low pressure operation.

## Specifications

<b>Type</b>	Back Pressure Regulator
<b>Special Features</b>	High Flow
<b>Maximum Rated Pressure</b>	6000 psi (40 MPa)
<b>Outlet Pressure Setting Range/Adjustment Range</b>	150-6000 psi (10-414 bar)
<b>Inlet Port Size</b>	1 ea 1/2" FNPT
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<b>Outlet Pressure Rating</b>	6000 psi (414 bar)
<b>Flow Capacity</b>	2 to 300 SCFM
<b>Leakage</b>	Zero external; 0.1 SCFM internal
<b>Weight</b>	17.6 oz (500 g)
<b>Size</b>	5.25 x 2 x 1.5"

<b>Minimum Temperature</b>	-15°F (-26°C)
<b>Body Material</b>	Anodized Aluminum
<b>Internal Materials</b>	Brass Stainless
<b>Seal Materials</b>	Viton
<b>Flow Coefficient (Cv)</b>	0.6
<b>Control Knob Screw Assembly</b>	SKU 378 K Included
<b>Service/Repair Kit</b>	<a href="#">635-14</a>

## Typical Applications

- Separator and filter systems
- Compressors
- Control systems
- Cascading systems