

High Flow Back Pressure Regulator 150-6000 psi Outlet Aluminum • Low Temperature/No Knob

SKU: 635-L

Price: ?164.00



Description

This is a special order item and may take 1-2 weeks for delivery. Contact the [Nuvair sales team](#) for estimated lead times.

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

Type	Back Pressure Regulator
Special Features	High Flow Low Temperature
Maximum Rated Pressure	6000 psi (40 MPa)
Outlet Pressure Setting Range/Adjustment Range	150–6000 psi (10–414 bar)
Inlet Port Size	1 ea 1/2" FNPT
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Outlet Pressure Rating	6000 psi (414 bar)

Flow Capacity	2 to 300 SCFM
Leakage	Zero external; 0.1 SCFM internal
Weight	17.6 oz (500 g)
Size	5.25 x 2 x 1.5"
Minimum Temperature	-50°F (-46°C)
Body Material	Anodized Aluminum
Internal Materials	Brass Stainless
Seal Materials	Nitrile
Flow Coefficient (Cv)	0.6
Control Knob Screw Assembly	SKU 378 K Not Included
Service/Repair Kit	635-L-14

Typical Applications

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