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# 6000 PSI High Flow Back Pressure Regulator Model 635

#### **General Information**

Also known as a priority valve, the model 635 is a fully balanced economical regulator. It is similar to our model 211 regulator but it is capable of much higher flow rates. Its primary use is 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. 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. However, it can be set for pressures as low as 150 PSI. Lighter than standard springs can be ordered to improve low pressure operation.

### **Specifications**

\* Maximum rated pressure

\* Set pressure

\* Materials

\* Flow capacity

\* Leakage

\* Ports

\* Size

6000 PSI (40 MPa) 1800 PSI nominal (adj. 150 to 6000 PSI) anodized aluminum body bronze, stainless 2 to 300 SCFM Zero external; about 0.1 SCFM internal 1/2" female pipe thread 5.3" x 2" x 1.5"

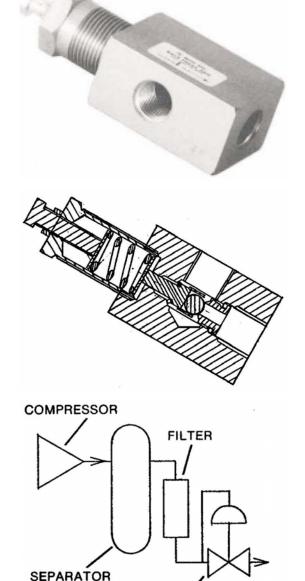
#### **Typical Applications**

- \* Compressors
- \* Control systems
- \* Cascading systems

## \* Separator and filter systems

#### **Features**

- \* Fully balanced (unaffected by outlet pressure)
- \* Sharp edged seat is self cleaning
- \* Simple, easily maintained design



MODEL 635 BACK

PRESSURE REGULATOR MAINTAINS PRESSURE IN FILTER AND SEPARATOR