

## 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	6000 PSI (40 MPa)
* Set pressure	1800 PSI nominal (adj. 150 to 6000 PSI)
* Materials	anodized aluminum body bronze, stainless
* Flow capacity	2 to 300 SCFM
* Leakage	Zero external; about 0.1 SCFM internal
* Ports	½" female pipe thread
* Size	5.3" x 2" x 1.5"

### Typical Applications

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

### Features

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

