

6000 PSI Reducing Regulator Model 415A

General Information

The model 415A is an economical, piston type, hand load regulator. It is available in three standard outlet pressure ranges of 0 to 400 PSI, 0 to 1500 PSI, and 0 to 5000 PSI. Other pressure ranges and a dome loading version are available on special order. Maximum inlet pressure for all ranges is 6000 PSI. The regulator seats are protected by a 20 micron filter. The regulator seat, poppet assembly and filter are contained in an easily replaced valve cartridge assembly pictured in the section drawing to the right. The low cost valve cartridge is factory preassembled. This cartridge assembly permits very easy and fast in-field servicing. All units are self venting. Unvented units can be provided on special order. An optional mounting bracket (**Part No. 657**) permits panel surface. The unit is exceptionally rugged and insensitive to inlet contaminants. This, in addition to its low cost has resulted in its extensive use in fuel applications such as air and gas fill stations.



Technical Specifications

- * Maximum inlet pressure – 6000 PSI (40 MPa)
- * Outlet pressure
 - Model 415A – 400 – 0 to 400 PSI
 - 415A – 1500 – 0 to 1500 PSI
 - 415A – 5000 – 0 to 5000 PSI
- * Flow coefficient – $C_v = .03$ (.08" orifice size)
- * Materials – body and cap – anodized aluminum
internals – brass, stainless steel
seals – Viton, KEL-F
- * Size – 2.25" dia. x 5.5" high

Typical Applications

- * Component testing
- * Air tank fill stations
- * Fire fighting air systems
- * Instrumentation and calibration panels
- * Process industry control
- * Shipboard and offshore air and gas control
- * Aircraft service equipment
- * electronic industry rare gas flow
- * Vehicle CNG stations

