



7000 PSI REDUCING REGULATOR MODEL 1575

GENERAL INFORMATION

The model 1575 is a piston type, hand load regulator available in outlet pressure ranges of 6000, 5000, 1500, and 700 PSI. It uses an unbalanced poppet design for ruggedness and simplicity. There is a small variation of control pressure with changing inlet pressure as noted in the specifications. A 30 micron filter in the poppet cartridge prevents damage by contaminants. The internal design and function are identical to our time proven 415 series regulator while providing additional advantages. This configuration is stronger permitting a higher inlet pressure rating. Additionally when panel mounted it can be completely serviced from the front of the panel without disconnecting attached plumbing.

The regulator seat, poppet assembly and filter are contained in an easily replaced valve cartridge. 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 number 1599) permits panel mounting in any orientation or extension from the panel surface. Its low cost and rugged design has resulted in extensive use in applications such as air and gas fill stations. See drawing 1034 for flow curves.

SPECIFICATIONS

- Maximum inlet pressure ----- 7000 PSI (47 MPa)
- Outlet pressure
 - Model 1575- 700 --- 0 to 700 PSI
 - 1575- 1500 --- 0 to 1500 PSI
 - 1575- 5000 --- 0 to 5000 PSI
 - 1575 -6000 --- 0 to 6000 PSI
- Flow coefficient ----- Cv= .06 (.08" orifice size)
- Outlet pressure rise per 1000 PSI of inlet drop
 - 1575-700 --- 12 PSI
 - 1775-1500 --- 22 PSI
 - 1575-5000 or 6000 --- 70 PSI
- Materials ----- body and cap - anodized aluminum
internals ----- brass, stainless steel
seals ----- Viton, KEL-F
- Size ----- 2.25" dia. x 5.1" high

TYPICAL APPLICATIONS

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

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