



6000 PSI PRESSURE RELIEF VALVE MODEL 504

GENERAL

The model 504 is an economical, small, high pressure relief valve having excellent set pressure control over a large pressure range to 6000 PSI. It stays bubble tight to within a few PSI of set pressure and reseats bubble tight even after many vent cycles. Safety wire holes are provided for optional locking of set pressure adjustment.

SPECIFICATIONS

- Set pressure ----- adj. 300 to 6000 PSI
- Leakage ----- bubble tight
- Max. flow (air) ----- 100 SCFM at 3000 PSI
50 SCFM at 1500 PSI
- Equivalent orifice ----- .078 inch dia.
- Fluids ----- gas or liquid
- Inlet ----- 1/4" male NPT
- Outlet ----- side vent
- Size ----- 7/8" hex by 2.1" long
- Temperatures ----- -40F to 160F
- Materials ----- bronze, anodized aluminum, & Viton

FEATURES

- Soft seal provides excellent sealing and resealing
- Unique design eliminates seal damage or extrusion
- Easy in-field maintenance
- Zero seal hysteresis design assures excellent repeatability without lubricants

TYPICAL APPLICATIONS

- Discharge and interstage reliefs on small high pressure compressors
- Reliefs on charging lines, regulators, and manifolds
- Hydraulic system and accumulator reliefs
- Many other safety relief valve applications

