



# 7500 PSI PRESSURE RELIEF VALVE MODEL 1607

## GENERAL

The model 1607 is an economical, small, high pressure relief valve having excellent set pressure control over a large pressure range to 7500 PSI. It is similar to our 504 relief valve but offers higher pressure and flow ratings. Other improvements include a more straight through flow path that reduces the chance of damage from foreign matter passing through it. It opens smoothly without the load popping sound of some relief valves. 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 7500 PSI                        |
| • Leakage -----            | bubble tight                                |
| • Max. flow (air) -----    | 150 SCFM at 3000 PSI<br>70 SCFM at 1500 PSI |
| • Equivalent orifice ----- | .11 inch dia.                               |
| • Fluids -----             | gas or liquid                               |
| • Inlet -----              | 1/4" male NPT                               |
| • Outlet -----             | side vent                                   |
| • Size -----               | 7/8" hex by 2.2" long                       |
| • Temperatures -----       | -40F to 160F                                |
| • Materials -----          | brass, anodized<br>aluminum, & Viton        |

## FEATURES

- Soft seal provides excellent sealing and resealing
- Unique design eliminates seal damage or extrusion
- Easy in-field maintenance
- 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

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