TECHNICAL BULLETIN 1250

6000 PSI REDUCING REGULATOR MODEL 1247

GENERAL INFORMATION

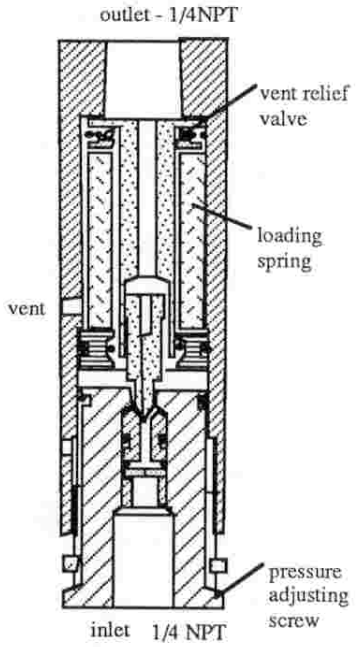
The model 1247 is a small, piston type regulator suitable for in-line mounting. Although the outlet pressure is adjustable It is primarily used in applications where it is preset and not adjusted in the field. It has one inlet and one outlet port and is available in an outlet pressure range of 30 to 1000 PSI depending on spring selection. Maximum inlet pressure is 6000 PSI. The regulator is self venting when outlet pressure exceeds set pressure by 20 to 40%. It offers an economical way to provide low pressure service air from a high pressure storage system or compressor.

TECHNICAL SPECIFICATIONS

- Maximum inlet pressure ------ 6000 PSI (40 MPa)
- Outlet pressure ------- 200-1000 PSI
  100-300 PSI
  40-120 PSI
  20-50 PSI
  Depending on spring selection
- Flow coefficient ---------- Cv= .03 (.045" orifice)
- Materials ----- body and cap - anodized aluminum
  internals -------- brass
  seals ---------- Buna N, Delrin
- Size ---------- 1" hex x 3.5" high
- * Rise of outlet pressure with rise of inlet pressure ------- 7 PSI per 1000 PSI
- * Ports --------- 1/4" FNPT inlet
  1/4" FNPT outlet

TYPICAL APPLICATIONS

- Component testing
- Air tank fill stations to eliminate need of low pressure compressors and storage
- Fire fighting air stations to provide tire inflating air
- Instrumentation and calibration panels
- Process industry control
- Aircraft service carts to eliminate need for low pressure compressor
- Low pressure air to operate high pressure air operated valves



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