

# General Purpose Back Pressure

four relief pressure ranges up to 250 PSIG  
economical/corrosion resistant

## 44-2300 Series

### Specifications

- ❑ Operating Parameters
    - pressure rating per criteria of ANSI/ASME B31.3
    - controlled pressure ranges . . . . . 0-25, 0-50  
0-100, 0-250 PSIG
    - design proof pressure . . . . . 150% maximum  
rated pressure
    - leakage . . . . . *internal*: bubble-tight  
*external*: design to meet  $< 2 \times 10^{-8}$  atm cc/sec He
    - operating temperature . . . . . -40° F to +165° F  
(-40° C to +74° C)
    - flow capacity . . . . .  $C_V = .08$
    - maximum operating torque . . . 30 in.-lbs. (3.4 Nm)
  - ❑ Media Contact Materials
    - body . . . . . 316 SST, brass or Monel
    - bonnet . . . . . 300 Series SST, Brass
    - seat . . . . . CTFE
    - diaphragm . . . . . 316 SST or Elgiloy®
    - remaining parts . . 316 SST, Monel (for Monel body)
- For other materials and modifications, please consult Tescom.*
- ❑ Cleaning . . . . . CGA 4.1 and ASTM G93
  - ❑ Weight (without gauges) . . . . . 2 lbs. (.90 kg)

**Pressure Conversion** 14.5 PSIG = 1 bar 145 PSIG = 1 MPa

*Elgiloy® is a registered trademark of Elgiloy Specialty Metals.*



### Advantages

- Reduces contamination and provides accurate regulation of any corrosive or non-corrosive gas
- Convolute metal to metal sealed diaphragm
- Close pressure differential between crack and reseal
- Economically priced
- Dome loading optional
- Panel mounting available

