

EXT



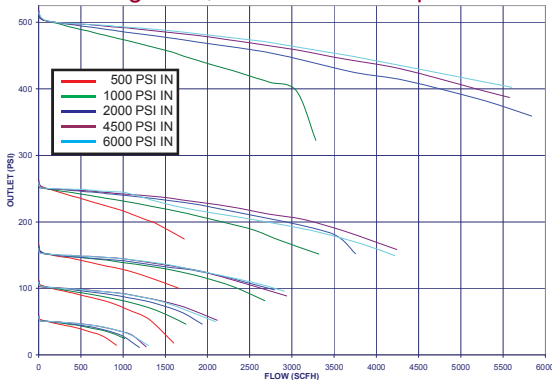
EXT High Temperature Single Stage Pressure Reducing Regulator

The AURA EXT series is designed to regulate the pressure of gas or liquid at elevated temperatures. The EXT is available with threaded or welded connections to ensure system integrity.

EXT's capsule seat design ensures seat reliability under harsh conditions. Proprietary machining provides surface finishes that enable metal to metal seals. AURA'S dual surface surface area diaphragm provides sensitive pressure control analogous to a multi-speed automotive transmission.

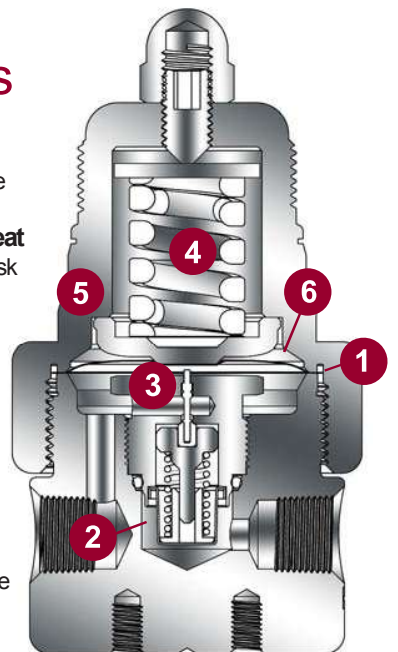
With six pressure ranges to 500 psi and a maximum operating temperature of 550 F the EXT regulator is an ideal choice for furnace and refinery process applications.

EXT Regulator, 1.8mm PEEK Capsule®



EXT Features

- 1. Metal To Metal Seals**
 - 1×10^{-9} He cc/sec leak rate
- 2. 10 Micron Encapsulated Seat**
 - 800% More filtration than disk
 - Long term performance
- 3. Positive Seat Stop**
 - Prevents seat deformation
 - High cycle life
- 4. Preset Pressure Ranges**
 - 0-15 to 0-500 PSI
- 5. Hi/Lo Diaphragm Stop**
 - Minimizes diaphragm stroke
- 6. Dual-plane Diaphragm**
 - Sensitive at low pressures



Registered
ISO 9001:2008

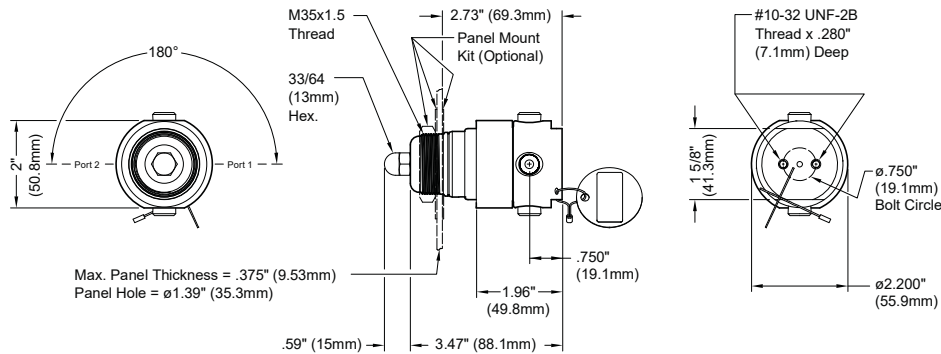
EXT Series Technical Data Information

Materials of Construction

- Body and Bonnet
 - 316L Stainless steel
 - 304 Bonnet
- Diaphragm
 - 316L Stainless steel
- Seat
 - PEEK
- 10 Micron Capsule® Filter
 - 316 Stainless steel
- Other Parts
 - 316L Stainless steel
- Weight
 - 2 lbs. 5½ oz. (1.06 Kg)

Functional Specifications

- Design pressure
 - Working pressure: 3000 PSIG PEEK
 - Burst pressure: > 4x Working pressure
- Delivery options
 - 0 to 15, 50, 100, 150, 250, 500 psig
- Flow Coefficient (Cv)
 - .06 (1.8mm)
- Leak rate
 - External: 1×10^{-9} He ccs
 - Seat: Bubble tight
- Temperature
 - PEEK: -40°F to 550°F (-40°C to 288°C)



EXT XXXXX-01-XXX

