

EXB

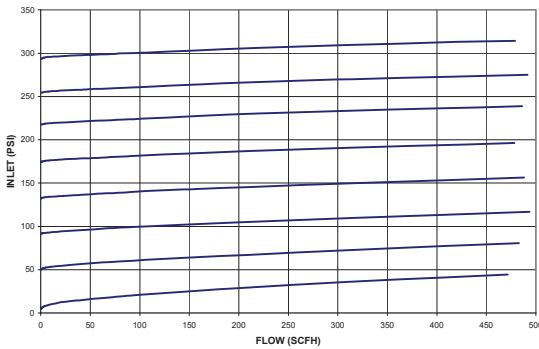


EXB Series Back Pressure Reducing Regulator

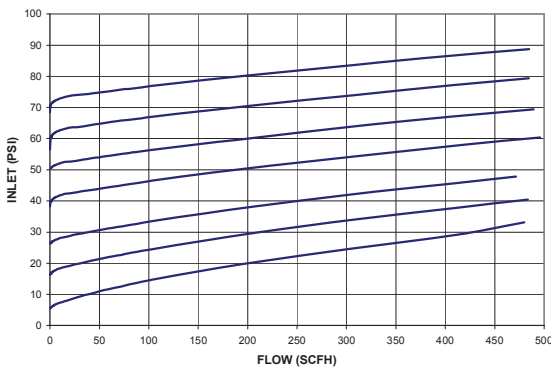
The AURA EXB back-pressure regulator provides sensitive excess pressure control via AURA'S dual surface surface area diaphragm technology, which is analogous to a multi-speed automotive transmission. Unlike standard pressure relief devices the EXB enables the engineer to throttle excess pressure from closed loop systems. The EXB will also accurately relieve spikes in system pressure caused by changes in instrument demand.

Available with a dual surface diaphragm up to 250 psi and cartridge sensed to 1,500 psi make the EXB flexible to meet most system applications. Two or four port configurations simplify piping layout making the AURA EXB back pressure regulator an engineer's first choice.

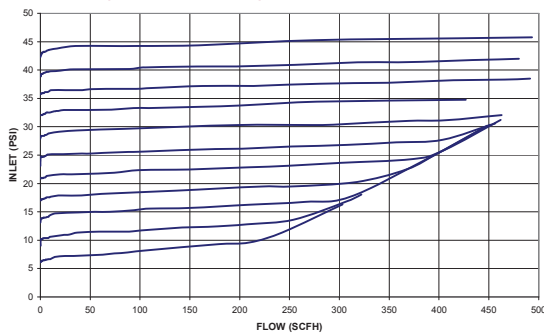
EXB Regulator, PCTFE Diaphragm,
250 lb. Spring



EXB Regulator, Fluorocarbon Diaphragm,
50 lb. Spring

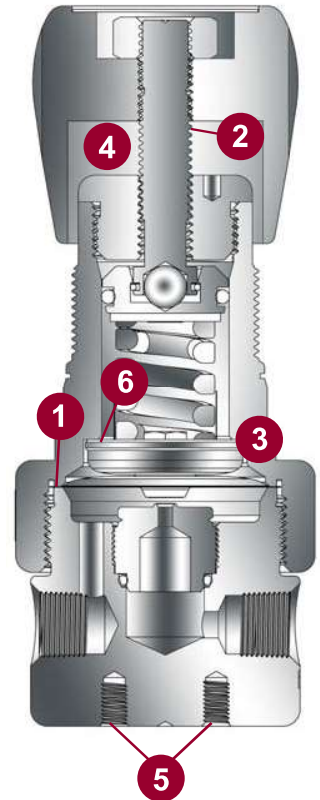


EXB Regulator, Fluorocarbon Dynamic
Cartridge, 15 lb. Spring



EXB Features

- 1. Metal To Metal Seals**
- 1×10^{-9} He cc/sec leak rate
 - 2. Fine Threads**
-Precision adjustment
 - 3. Dynamic Cartridge/
Diaphragm**
-Application specific
 - 4. Field Adjustable**
-Bonnet cap access to spring
 - 5. Front Or Rear Panel
Mountable**
-Versatile system configuration
 - 6. Hi/Lo Diaphragm Stop**
-Reduce diaphragm fatigue
- Cleanroom Assembled**
-Cleaned for O₂ service
-No additional cost



Registered
ISO 9001:2008

AURA Gas Controls
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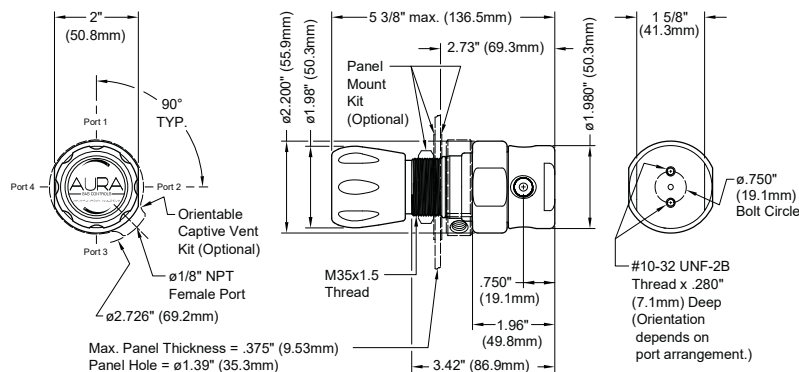
EXB Series Technical Data Information

Materials of Construction

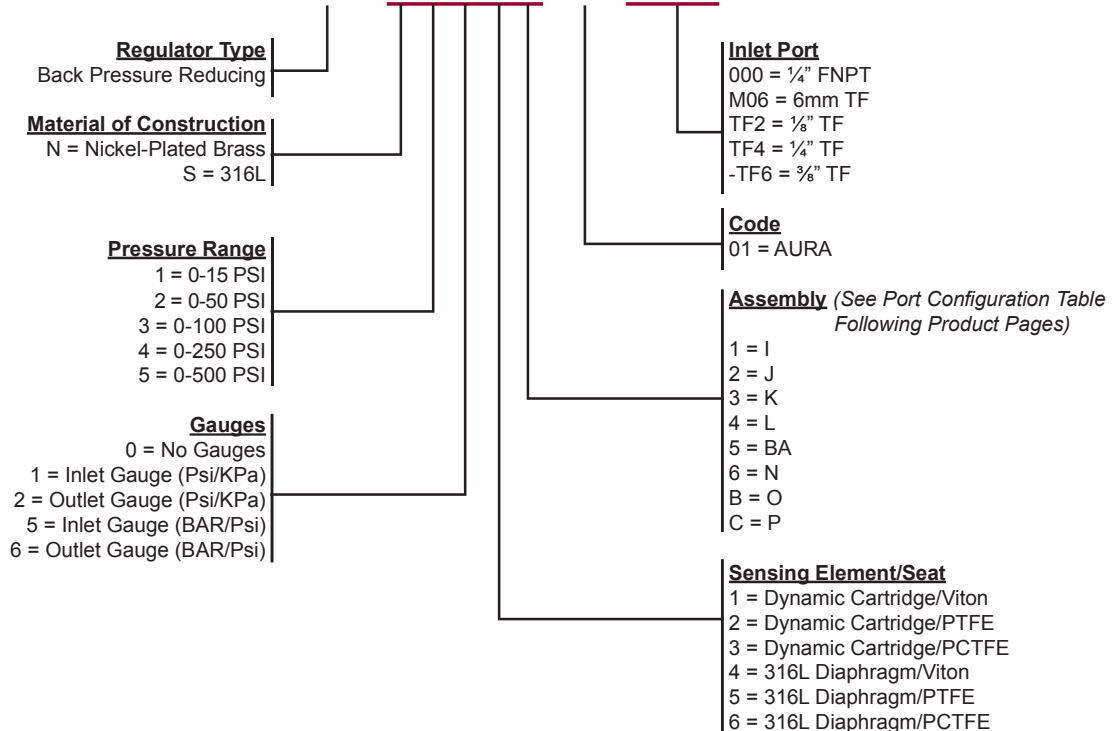
- Body and Bonnet
 - Nickel-Plated brass
 - 316L Stainless steel body & 304 Bonnet
- Sensing Element
 - 316L Stainless steel
- Seat
 - PTFE
 - PCTFE
 - PEEK
- Other Parts
 - 316L Stainless steel
 - Nickel-plated brass
- Weight
 - 2 lbs. 5½ oz. (1.06 Kg)

Functional Specifications

- Design pressure
 - Working pressure: 500 psig
 - Burst pressure: > 4x Working pressure
- Delivery options
 - 0 to 15, 50, 100, 250, 500 psig
- Flow Coefficient (Cv)
 - .17
- Leak rate
 - External: 1x10⁻⁶ He ccs
 - Seat: Bubble tight
- Temperature
 - PTFE: -40°F to 140°F (-40°C to 60°C)
 - PCTFE: -40°F to 150°F (-40°C to 66°C)
 - Viton: -40°F to 140°F (-40°C to 60°C)
- Port Type
 - Process and Gauge: ¼" FNPT



EXB XXXXX-01-XXX



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