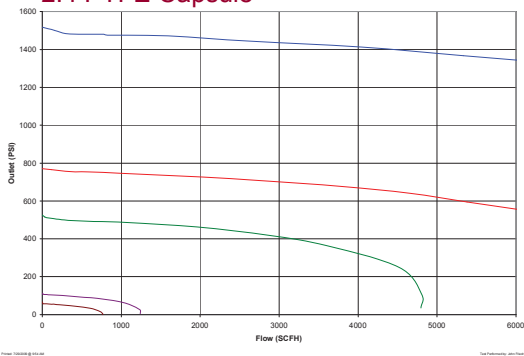


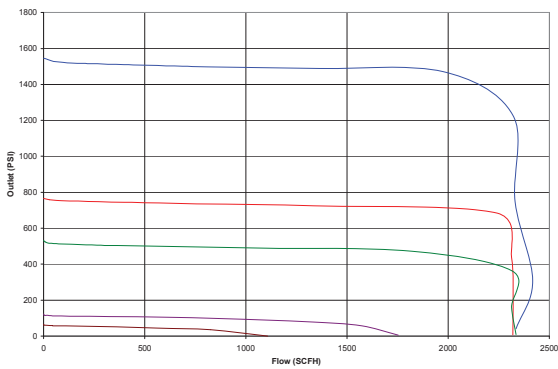
EXC



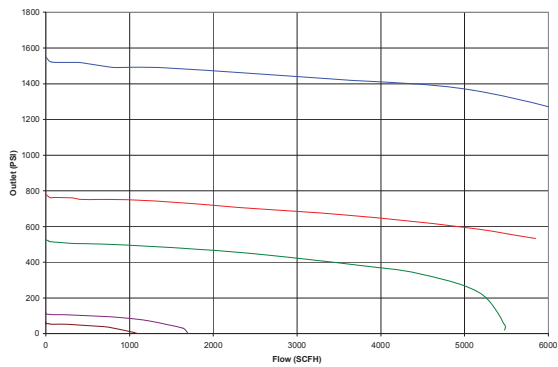
EXC Regulator, 2100 PSI Inlet Pressure
2.4 PTFE Capsule®



EXC Regulator, 2100 PSI Inlet Pressure
1.1 PTFE Capsule®



EXC Regulator, 2100 PSI Inlet Pressure
1.8 PTFE Capsule®



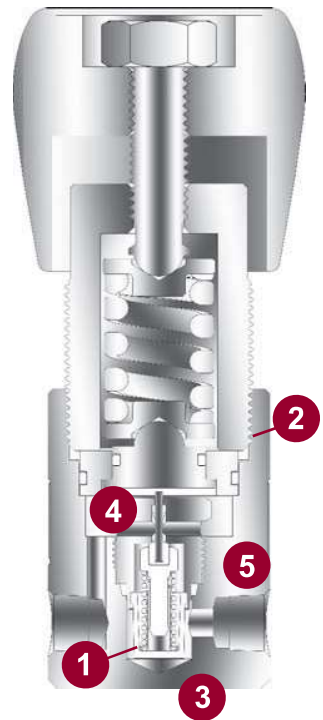
EXC Series Compact Single Stage Pressure Reducing Regulator

The AURA EXC series incorporates a compact design to regulate gas or liquid phase in a single step with a maximum inlet pressure of 5,500 psi. The 1.5" diameter body and 1 3/8" panel through hole enable the EXC to be integrated in instrumentation cabinet applications with ease. EXC's Capsule® seat design ensures seat reliability under harsh conditions. Seat failure due to repetitive loading is eliminated by the Capsule's positive stop design.

The EXC series will give the engineer multiple Cv options to meet both low and high flow requirements. Available in nickel plated brass or 316L, the EXC is an economical choice for calibration bottles or OEM equipment applications.

EXC Features

- 1. 10 Micron Encapsulated Seat**
 - 800% more filtration than disk
 - Long term performance
 - 2. Positive Seat Stop**
 - High cycle life
 - 3. 1.5" Envelope**
 - Excellent panel integration
 - 4. Low Internal Volume**
 - Real time process analysis
 - 5. Material Option**
 - 316L Stainless steel
 - Nickel-plated brass
- **Cleanroom Assembled**
 - Cleaned for O₂ service
 - No additional cost



Registered
ISO 9001:2008

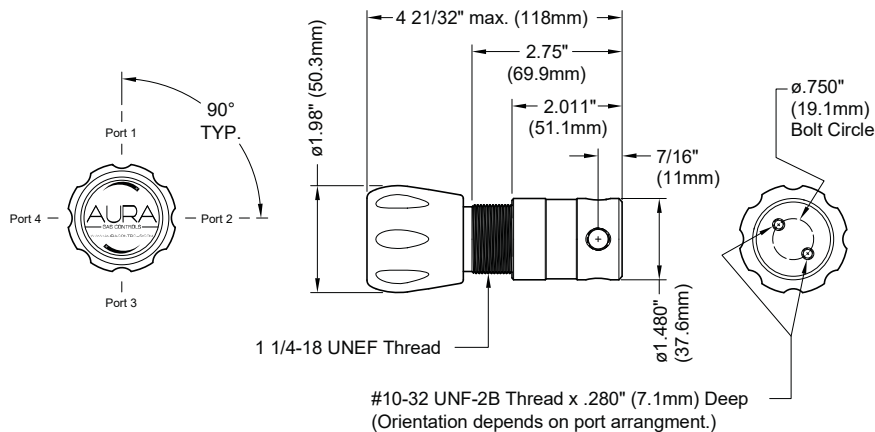
EXC Series Technical Data Information

Materials of Construction

- Body and Bonnet
 - Nickel-Plated brass
 - 316L Stainless steel
- Sensing Element
 - 316L Stainless steel
- Seat
 - PTFE
 - PCTFE
 - 35 micron copper/nickel or nickel-plated phosphor bronze filter
- Other Parts
 - 316L Stainless steel
 - Nickel-plated brass
- Weight
 - 1 lb. 9.2 oz. (0.71 Kg)

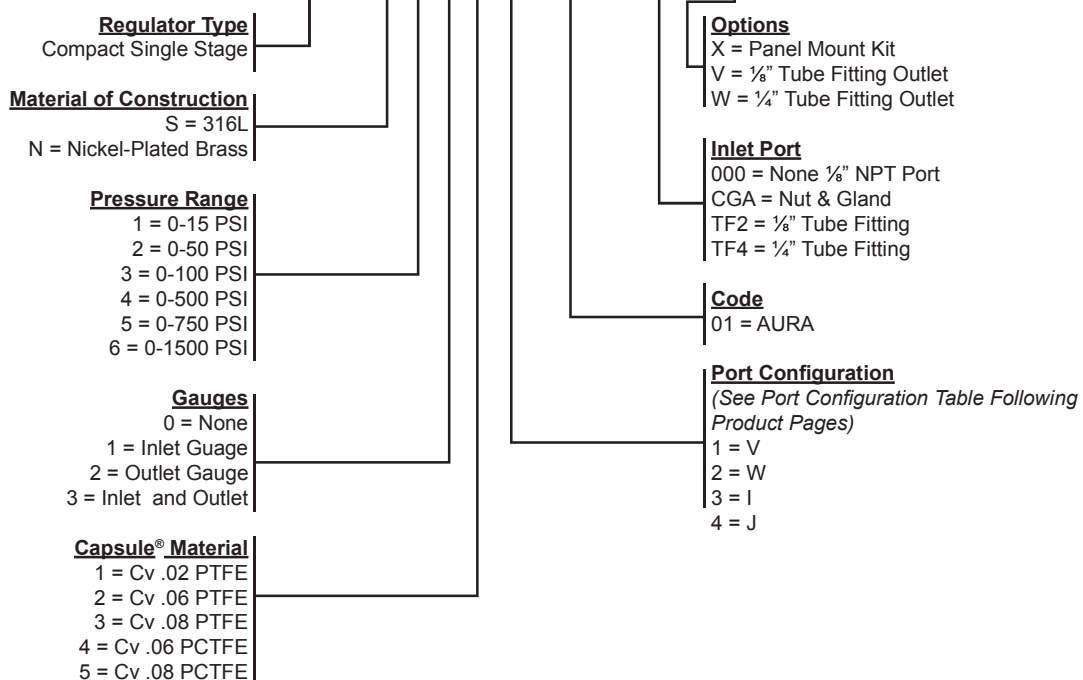
Functional Specifications

- Design pressure
 - Working pressure: 3000 PSIG PTFE
 - Working pressure: 5500 PSIG PCTFE
 - Burst pressure: > 4x Working pressure
- Delivery options
 - 50, 100, 500, 750, 1500 psig
- Flow Coefficient (Cv)
 - .02, .06, .08
- Leak rate
 - External: 1×10^{-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)
- Port Type
 - Process and Gauge: 1/8" FNPT



#10-32 UNF-2B Thread x .280" (7.1mm) Deep
(Orientation depends on port arrangement.)

EXC XXXXX-01-XXX-X



AURA Gas Controls

1.800.582.2565 • www.auracontrols.com • ADC3179B