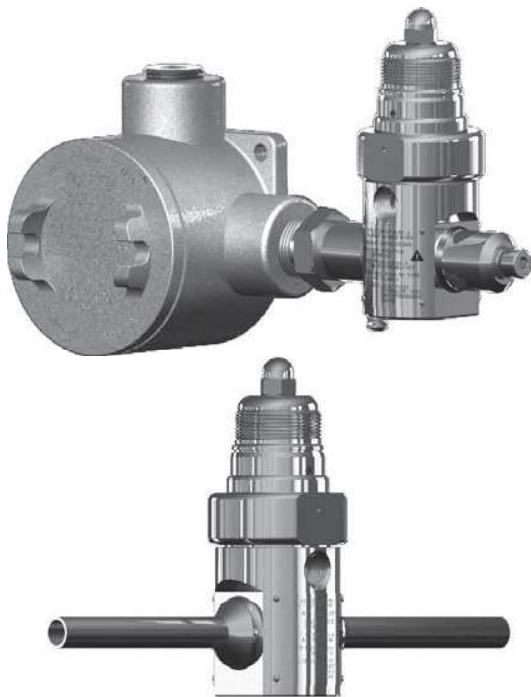
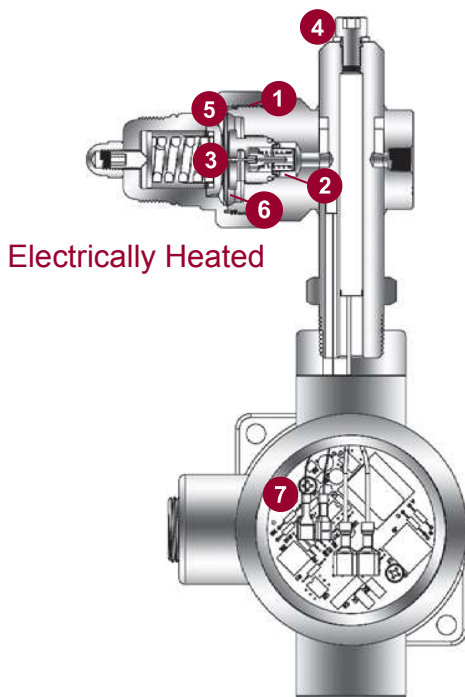
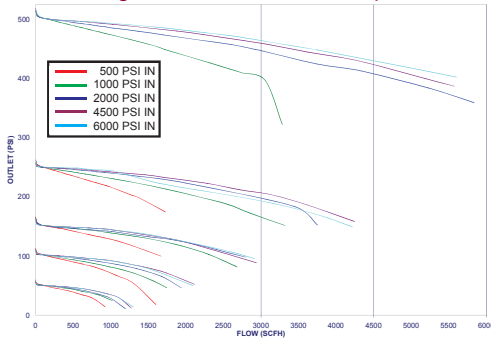


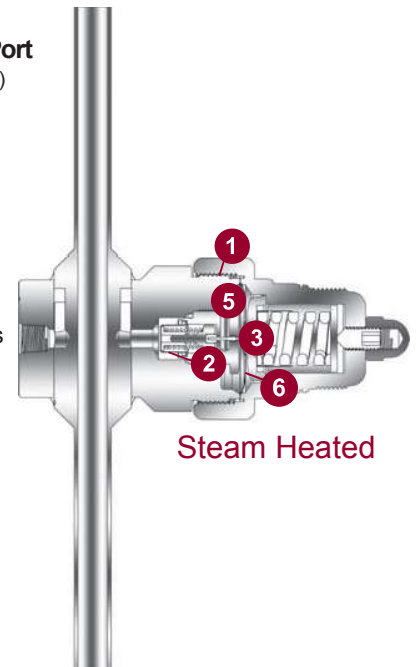
EXV



EXV Regulator, 1.8mm PEEK Capsule®



Electrically Heated



Steam Heated

EXV Vaporizing Regulators

The AURA EXV series regulators are designed to heat a sample stream in order to maintain the gas phase into an instrument for analysis. Unlike other designs, the AURA EXV utilizes a labyrinth style flow path to maximize surface area for heat transfer. The EXV is available with either a steam or electrically heated module. The electric module has ATEX third party approval.

The EXV series offers the engineer maximum system flexibility with three heater options and six pressure ranges to 500 psi. EXV series couples the heater control module to AURA'S EX1 series single stage pressure control. Metal to metal seals, capsule seat technology and a dual surface diaphragm enable steady gas phase pressure control making the EXV the right choice for demanding fluid and hydrocarbon process analysis.

EXV Features

- 1. Metal To Metal Seals**
-1x10⁻⁹ He cc/sec leak rate
- 2. 10 Micron Encapsulated Seat**
-Replaceable filter element
-Reduced cost of ownership
- 3. Positive Seat Stop**
-Prevents seat deformation
-High cycle life
- 4. Heater Element Acces Port**
(Electrically Heated Regulator)
-Field repairable
-Low maintenance
- 5. Hi/Lo Diaphragm Stop**
-Minimizes diaphragm stroke
- 6. Dual-plane Diaphragm**
-Sensitive at low pressures
- 7. Adjustable Temperature Control**
(Electrically Heated Regulator)
-Gas phase stability



Registered
ISO 9001:2008



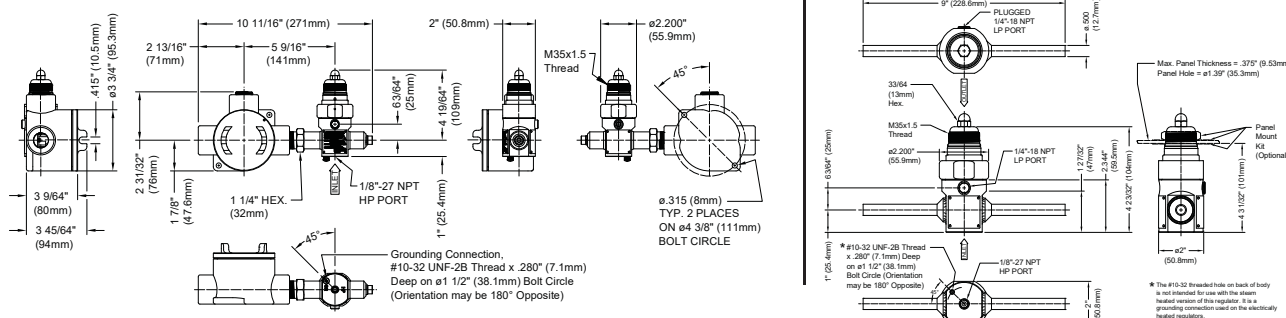
EXV Series Technical Data Information

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
 - Steam Heated
 - 3 lbs. 1.7 oz. (1.42 Kg)
 - Electrically Heated
 - 8 lbs. 2.1 oz. (3.69 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)
 - 0.06 (1.8mm)
- Leak rate
 - External: 1×10^{-9} He ccs
 - Seat: Bubble tight
- Temperature
 - PEEK: -40°F to 380°F (-40°C to 193°C)



EXV XXXXX-01-XXX

Regulator Type
High Temperature Single Stage Pressure Reducing Regulator

Material of Construction
S = Stainless Steel

Pressure Range
1 = 0-15 PSI
2 = 0-50 PSI
3 = 0-100 PSI
4 = 0-250 PSI
5 = 0-500 PSI
7 = 0-150 PSI

Wattage
0 = None (Steam Regulated)
1 = 50 Watts
2 = 100 Watts
3 = 150 Watts

Inlet Port
-000 = None
-M06 = 6mm Tube Fitting Outlet
-TF2 = 1/8" Tube Fitting Outlet
-TF4 = 1/4" Tube Fitting Outlet
-TF6 = 3/8" Tube Fitting Outlet

Code
01 = AURA

Temperature Range/Voltage
0 = Steam Regulated
1 = 120V, 77°F - 180°F
2 = 120V, 160°F - 280°F
3 = 120V, 250°F - 380°F
4 = 220V, 77°F - 180°F
5 = 220V, 120V, 160°F - 280°F
6 = 220V, 250°F - 380°F

Outlet Port
0 = Bare Body
1 = 1/8" Tube Fitting
2 = 1/4" Tube Fitting
3 = 3/8" Tube Fitting
M = 6mm Tube Fitting

AURA Gas Controls

1.800.582.2565 • www.auracontrols.com • ADC3179B