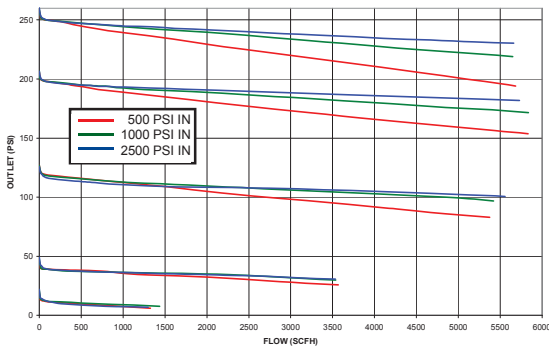


EXF



EXF Regulator PCTFE Seat



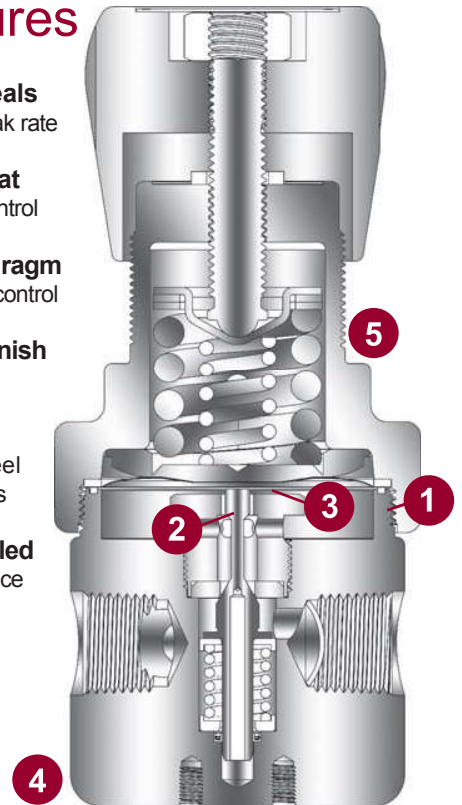
EXF Series High-Flow Single Stage Pressure Reducing Regulator

The AURA EXF series incorporates a balanced stem seat with a Cv of .8 for high flow applications requiring 1 to 250 psi. Half inch (1/2") through ports as well as welded connections enables the EXF to be used in pipeline application in the pharmaceutical and chemical processing industries. AURA'S large dual surface surface area diaphragm provides sensitive pressure control analogous to a multi-speed automotive transmission.

Available in nickel plated brass and 316L make the EXF an economical choice for critical high flow applications. Standard 14-25 Ra surface finishes minimize reactivity and facilitate efficient purging for blanketing applications. The dual o-ring rear seal enables the EXF to accept up to 3,000 psi giving the engineer maximum flexibility and performance.

EXF Features

- 1. Metal To Teflon Seals**
- 1×10^{-8} He cc/sec leak rate
 - 2. Balanced Stem Seat**
-Steady pressure control
 - 3. Dual surface Diaphragm**
-Sensitive pressure control
 - 4. Smooth Surface Finish**
-Low reactivity
 - 5. Material Option**
-316L Stainless steel
-Nickel-plated brass
- **Cleanroom Assembled**
-Cleaned for O₂ service
-No additional cost



Registered
ISO 9001:2008

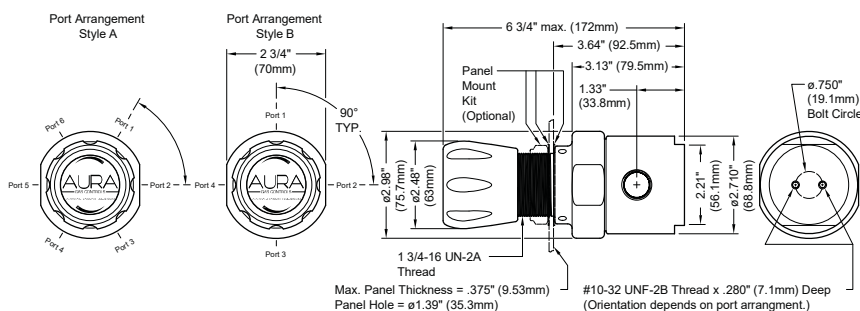
EXF Series Technical Data Information

Materials of Construction

- Body and Bonnet
 - Nickel-Plated brass
 - 316L Stainless steel body & 304 Bonnet
- Diaphragm
 - 316L Stainless steel
- Seat
 - PCTFE
- 40 Micron Inlet Port
 - 316L Stainless steel
- Wetted Parts
 - O-Ring Seal - PTFE
 - Spring 316L
 - Nozzle - Brass or 316L
 - Pin - 316L
- Weight
 - 6 lbs. 4.5 oz. (1.06 Kg)

Functional Specifications

- Design pressure
 - Working pressure: 3000 PSIG PTFE
 - Burst pressure: > 150% Working pressure
- Delivery options
 - 0 to 15, 40, 120, 200, 250 psig
- Flow Coefficient (Cv)
 - .8
- Leak rate
 - External: 1×10^{-8} He ccs
 - Seat: Bubble tight
- Temperature
 - PCTFE: -40°F to 150°F (-40°C to 66°C)
- Port Type
 - Process Port - 1/2" or 1/4" FNPT
 - Gauge Port - 1/4" FNPT



EXF XXX0X-01-XXX

Regulator Type
High-Flow Single Stage Reducing

Material of Construction
N = Nickel-Plated Brass

Pressure Range
 1 = 0-15 PSI
 2 = 0-50 PSI
 3 = 0-120 PSI
 4 = 0-200 PSI
 5 = 0-250 PSI

Gauges
 0 = No Gauges
 1 = Inlet (PSI/kPA)
 2 = Outlet (PSI/kPA)
 3 = Both Inlet & Outlet (PSI/kPA)
 5 = Inlet Gauge (BAR/PSI)
 6 = Outlet Gauge (BAR/PSI)
 7 = Both Inlet & Outlet (BAR/PSI)

Inlet Port
 -000 = See Port Configuration
 -CGA = Nut and Gland
 -M12 = Inlet and Outlet 12mm Tube Fitting
 -TF8 = Inlet and Outlet 1/2" Tube Fitting

Code
01 = AURA

Port Configuration
(See Port Configuration Table Following Product Pages)

1 = A	C = BD
2 = B	D = BE
3 = C	E = BF
4 = D	F = BG
5 = E	G = BH
6 = F	H = Q
7 = AA	J = R
8 = AB	K = S
9 = AF	L = AK
A = AC	M = T
B = BC	N = U