

EXD Features

Metal To Metal Seals

-1x10⁻⁹ He cc/sec leak rate

EX1 series integral line regulator

-Encapsulated seat design
-800% more filtration than disk

Low internal volume

-Enables efficient purging

Field Adjustable

-Bonnet cap access to spring

Dual-plane Diaphragm

-Sensitive at low pressures

• Cleanroom Assembled

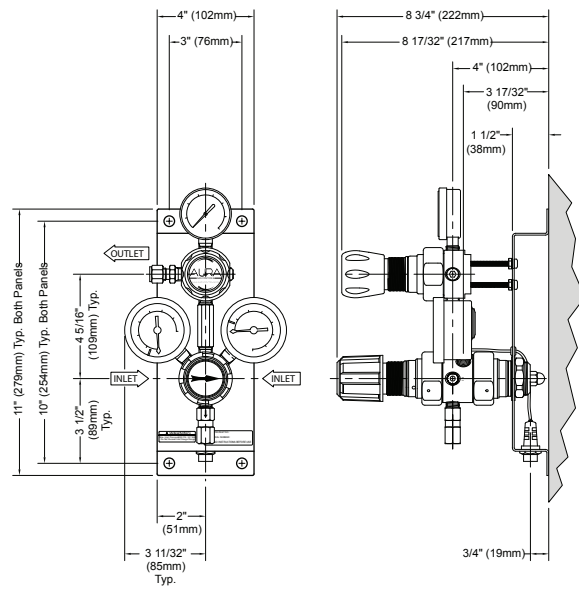
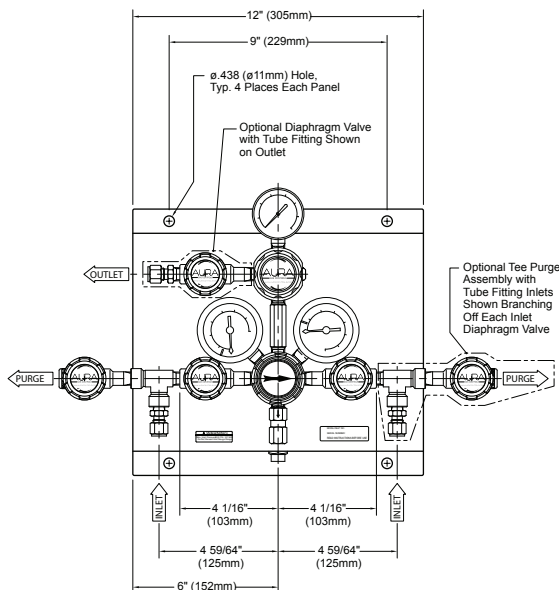
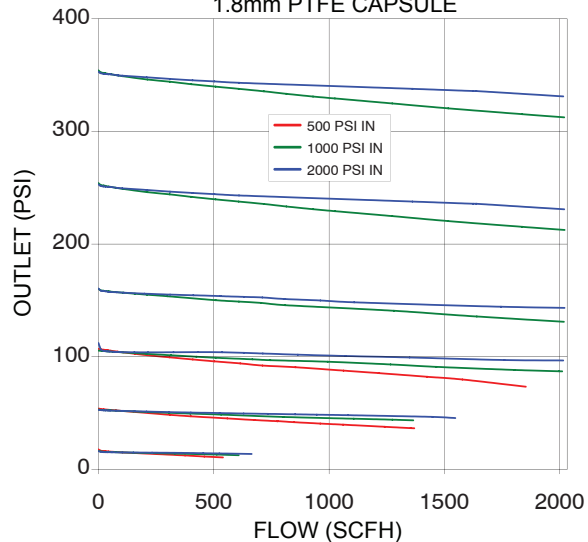
-Cleaned for O₂ service
-No additional cost

EXD Series Automatic Differential Switchover

The AURA EXD series is an automatic switchover system designed to provide a continuous supply of high purity gas for inlet pressures up to 3000 psi. The proven pressure differential technology enables fail safe operation with simple priority valve assignment. Consistent outlet pressures, available in six ranges up to 350 psi, are achieved with the integral line regulator.

Additionally, the EXD's proprietary machining provides superior surface finish of 14-25 Ra that yields a 1x10⁻⁹ He ccs leak integrity. The EXD's optional inlet purge or shutoff valve assemblies provide low internal volumes and reduced leak paths that allow for a more efficient purging process. Available with either a 4" or 12" panel, the AURA EXD allows for maximum flexibility and superior functionality as the engineer's first choice for instrument applications requiring uninterrupted supply of high purity gases.

EXD DELIVERY REGULATOR,
1.8mm PTFE CAPSULE



Registered
ISO 9001:2008

EXD Series Technical Data Information

Materials of Construction

- **Body and Bonnet**
316L Stainless steel body & 304 Bonnet
- **Diaphragm**
316L Stainless steel
- **Seat**
PTFE
- **10 Micron Capsule® Filter**
316L Stainless steel
- **Other Parts**
316L Stainless steel
- **Weight**
Appx. 19 lbs. 24 inch panel
Appx. 15 lbs. 12 inch panel
Appx. 13 lbs. 4 inch panel

Functional Specifications

- **Design Pressure**
Working pressure: 3000 PSIG PTFE
Burst pressure: > 4x Working pressure
- **Delivery Options**
0 to 15, 50, 100, 150, 200, 350 psig
- **Flow Coefficient (Cv)**
.06
- **Leak Rate**
External: 1×10^{-9} He ccs
Seat: Bubble tight
- **Temperature**
PTFE: -40°F to 140°F (-40°C to 60°C)
- **Port Type**
Process and Gauge: 1/4" FNPT

EXD SXXXX-01-XXX-XX0

