Xturion™ VaporX™

Custom Low Vapor Pressure Gas Source System

Xturion™
CUSTOM GAS EQUIPMENT

SEMI-GAS® supplies SEMI S2 certified, production-ready ultra high purity gas source systems, distribution systems and control technology to leaders in the Semiconductor industry and related high-tech fields. Built to address the most rigorous precision and purity demands of these specialized applications, SEMI-GAS® solutions are globally renowned for their premier levels of safety, quality, and performance.

DESIGN STANDARDS

- ◆ Meets All Relevant Safety Standards
- ◆ UL Labeled
- ◆ Conforms to Uniform Building and Fire Codes
- ◆ Upholds Random Validation Testing Standards
- ◆ Helium Leak Tested to 1×10^{-9} atm-cm^3/sec
- ◆ Equipped with GigaGuard™ PLC Controller

FEATURES

- ◆ Designed for the Safe Delivery of Low Vapor Pressure Liquified Process Gases
- ◆ Ultra High Purity Construction Suitable for Hazardous and Non-Hazardous Gas Applications
- ◆ Performs Cylinder Switchover Automatically
- ◆ Available in Two (C2) and Three (C3) Cylinder Models
- ◆ Includes Ergonomically Positioned 8" Color Touch Screen
- ◆ Intuitive Operating Interface
- ◆ Continuously Monitors System Conditions for Alarms
- ◆ Multiple Communications Protocol Available
- ◆ Magnehelic and Pressure Switch Exhaust Detection
- ◆ Includes Fully Automatic Gas Cylinder Heating Package
  - *External Heater Controller*
  - *Cylinder Heating Blanket(s)*
  - *Process Gas Line Heat Tracing and Insulation*
- ◆ Optional Point-of-Use Mass Flow Controller Box
  - *Integrated PLC Control*
  - *Heated Low Vapor Pressure Mass Flow Controllers*
- ◆ Pneumatically Actuated Valves
- ◆ Optional UV/IR Flame Detectors

ENGINEERING DATA

- Dimensions: Varies By Model
  Includes Heater Controller Enclosure
    - *C2 (1 X 1): 86"T X 39"W X 23"D*
    - *C2: 86"T X 33"W X 23"D*
    - *C3: 86"T X 48"W X 23"D*
- Exhaust Ducts: 6" Diameter
- Window Open Duct Flow: 350 SCFM
- Voltage: 120 to 240 VAC, 1 Phase
- Frequency: 50 To 60 Hz
- CE Certified

MATERIALS OF CONSTRUCTION

- Welded 11 Ga Steel Enclosure
- Self-Closing and Self-Latching Cabinet Door(s)
- Self-Closing and Lockable Window(s)
- 13 Ga Adjustable Steel Cylinder Shelves
- Heavy Cast Aluminum Cylinder Brackets
- UL Approved Fire Sprinkler
- 1/4" Thick Safety Glass Windows
- 9" Stainless Steel Cylinder Scale(s)