

Gas Panels

VERSA-GASTM vSourceTM Gas Panels address diverse high purity gas delivery requirements across a variety of environments, with safety top of mind. Every vSourceTM model is designed to ensure reliable, safe delivery of hazardous and non-hazardous process and purge gases, and comes in a variety of configurations to fit distinct process demands.

INDUSTRIES

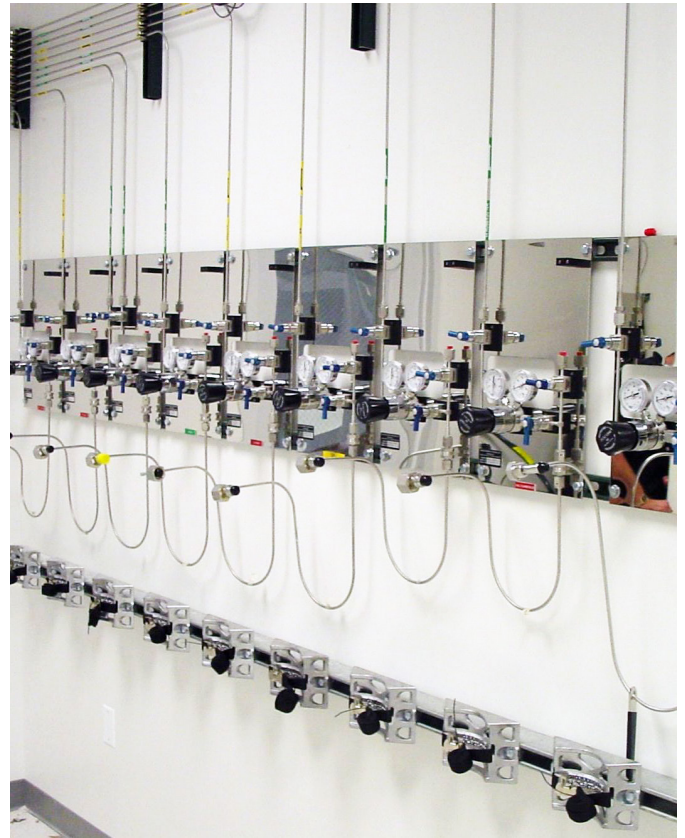
- Universities & Research Laboratories
- Industrial/ Manufacturing
- PV & Solar
- Pharma & Biotech

DESIGN STANDARDS

- Designed in Accordance with SEMI S2
- Conforms to Uniform Building and Fire Codes
- Pressure Tested @ 110% Maximum Operating Pressure for 4 Hours
- Helium Leak Tested to 1×10^{-9} atm-cm³/sec

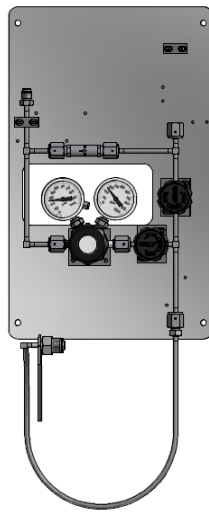
FEATURES

- Manual, Semi Automatic, & Automatic Designs
- VCR Face Seal Connections
- Class 100 Cleanroom Welding
- 316L Stainless Steel Construction
- 15 Ra. Max Component Internal Material Finish
- UHP Springless Diaphragm Valves
- Tied Diaphragm Pressure Regulators
- Stainless Steel Mirror Finish Panel
- Orbitally Welded Front-Mounted Components



VERSA-GASTM supplies safe, reliable high purity gas delivery and distribution systems, equipment, and control technology for a diverse range of industry needs and applications. These solutions are built to cost-effectively address diverse requirements with safety top of mind.

**2-Valve
Manual
vSourceTM Panels**



Dimensions:

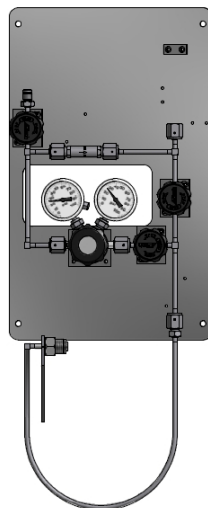
- 18" H x 11" W x 5.5" D
- 458 mm H x 280 mm W x 140 mm D

Weight: 15 lbs.

Standard Features:

- 316L Stainless Steel Single Stage Pressure Regulator
- 0.4 Micron Process Gas Pre-Filter
- Manual High Pressure Isolation Valve
- Manual High Pressure Vent Valve
- Mechanical Pressure Relief Valve
- Low Pressure Gauge
- High Pressure Gauge
- VCR Face Seal Connections
- 316L Stainless Steel Mirror Finish Backplate
- Rigid Pigtail with CGA Cylinder Connection

**3-Valve
Manual
vSourceTM Panels**



Dimensions:

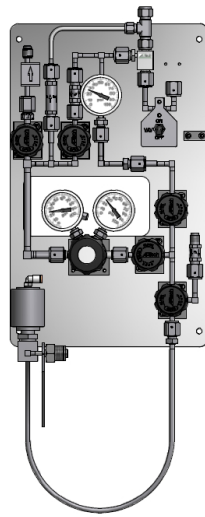
- 18" H x 11" W x 5.5" D
- 458 mm H x 280 mm W x 140 mm D

Weight: 15 lbs.

Standard Features:

- 316L Stainless Steel Single Stage Pressure Regulator
- 0.4 Micron Process Gas Pre-Filter
- Manual Low Pressure Isolation Valve
- Manual High Pressure Isolation Valve
- Manual High Pressure Vent Valve
- Mechanical Pressure Relief Valve
- Low Pressure Gauge
- High Pressure Gauge
- VCR Face Seal Connections
- 316L Stainless Steel Mirror Finish Backplate
- Rigid Pigtail with CGA Cylinder Connection

**7-Valve
Semi Automatic
vSource[™] Panels**



Dimensions:

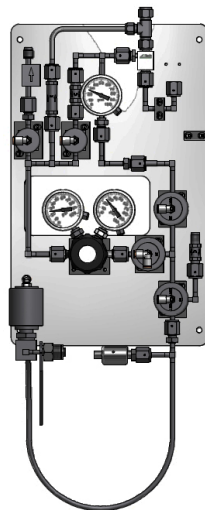
- 18" H x 11" W x 5.5" D
- 458 mm H x 280 mm W x 140 mm D

Weight: 20 lbs.

Standard Features:

- 316L Stainless Steel Single Stage Pressure Regulator
- 0.4 Micron Process Gas Pre-Filter
- Manual Low Pressure Isolation Valve
- Manual Low Pressure Vent Valve
- Manual High Pressure Isolation Valve
- Manual High Pressure Vent Valve
- Mechanical Pressure Relief Valve
- Venturi Vacuum Generator
- Manual Vacuum Assist Valve
- Pneumatic Emergency Shut-Off Valve
- Excess Flow Switch
- Manual Purge Gas Inlet Valve
- Low Pressure Gauge
- High Pressure Gauge
- Vent Pressure Gauge
- VCR Face Seal Connections
- 316L Stainless Steel Mirror Finish Backplate
- Rigid Pigtail with CGA Cylinder Connection

**7-Valve
Automatic
vSource[™] Panels**



Dimensions:

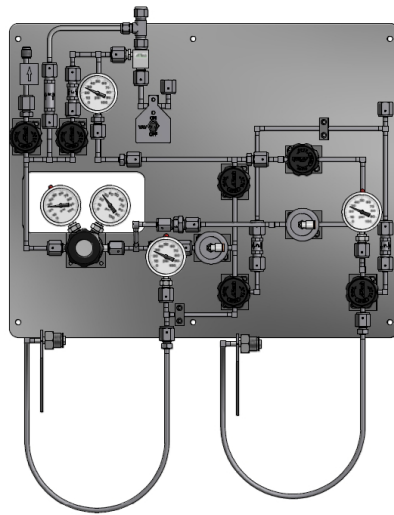
- 18" H x 11" W x 5.5" D
- 458 mm H x 280 mm W x 140 mm D

Weight: 20 lbs.

Standard Features:

- 316L Stainless Steel Single Stage Pressure Regulator
- 0.4 Micron Process Gas Pre-Filter
- Pneumatic Low Pressure Isolation Valve
- Pneumatic Low Pressure Vent Valve
- Pneumatic High Pressure Isolation Valve
- Pneumatic High Pressure Vent Valve
- Mechanical Pressure Relief Valve
- Venturi Vacuum Generator
- Pneumatic Vacuum Assist Valve
- Emergency Shut-Off Valve
- Excess Flow Switch
- Cylinder Pressure Transducer
- Pneumatic Purge Gas Inlet Valve
- Delivery Indicating Pressure Switch
- High Pressure Gauge
- Vent Pressure Switch
- Purge Indicating Pressure Switch
- VCR Face Seal Connections
- 316L Stainless Steel Mirror Finish Backplate
- Rigid Pigtail with CGA Cylinder Connection

**9-Valve
Semi Automatic
Switchover
vSourceTM Panels**



Dimensions:

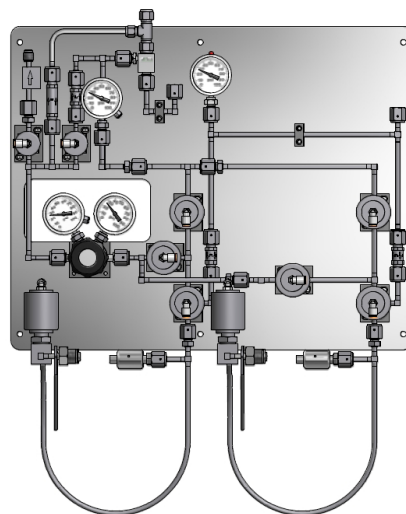
- 18" H x 22" W x 5.5" D
- 458 mm H x 559 mm W x 140 mm D

Weight: 40 lbs.

Standard Features:

- 316L Stainless Steel Single Stage Pressure Regulator
- (2) 0.4 Micron Process Gas Filters
- Manual Low Pressure Isolation Valve
- Manual Low Pressure Vent Valve
- (2) Pneumatic High Pressure Isolation Valves
- (2) Manual High Pressure Vent Valves
- Mechanical Pressure Relief Valve
- Venturi Vacuum Generator
- Manual Vacuum Assist Valve
- Excess Flow Switch
- (2) Manual Purge Gas Inlet Valves
- High Pressure Gauge
- Vent Pressure Switch
- (2) Cylinder Pressure Switches
- Low Pressure Gauge
- VCR Face Seal Connections
- 316L Stainless Steel Mirror Finish Backplate
- (2) Rigid Pigtails with CGA Cylinder Connections

**11-Valve
Automatic
Switchover
vSourceTM Panels**



Dimensions:

- 18" H x 22" W x 5.5" D
- 458 mm H x 559 mm W x 140 mm D

Weight: 40 lbs.

Standard Features:

- 316L Stainless Steel Single Stage Pressure Regulator
- (2) 0.4 Micron Process Gas Filters
- Pneumatic Low Pressure Isolation Valve
- Pneumatic Low Pressure Vent Valve
- (2) Pneumatic High Pressure Isolation Valves
- (2) Pneumatic High Pressure Vent Valves
- Mechanical Pressure Relief Valve
- Venturi Vacuum Generator
- Pneumatic Vacuum Assist Valve
- (2) Emergency Shut-Off Valves
- Excess Flow Switch
- (2) Cylinder Pressure Transducers
- (2) Pneumatic Purge Gas Inlet Valves
- Purge Pressure Switch
- High Pressure Gauge
- Delivery Pressure Switch
- Vent Pressure Switch
- VCR Face Seal Connections
- 316L Stainless Steel Mirror Finish Backplate
- (2) Rigid Pigtails with CGA Cylinder Connections.

OPTIONS

- Gas Cylinder Heating
- Panel Heat Tracing
- 11 Gauge Steel Mounting Racks
- UV-IR Fire Sensors
- vRunTM Semi Automatic or Automatic Controllers
- Remote System Communications
- Moisture, Oxygen, Hydrocarbon Purity Testing
- Dual Stage System Regulators
- Cylinder Scales
- DISS Cylinder Fittings
- Lecture Bottle Holders
- Flexible Pigtails
- Hazardous Gas Detectors
- Class I Division II Compliance (Controller Z-Purge Kit)
- LED Status Light Towers
- Adjustable Cylinder Shelves
- Outlet Filters
- Private Labeling
- High Flow Outputs
- Hastelloy Trim Regulators
- CGA/DISS Torque Wrenches
- Coaxial Process Gas Outlets
- Rate of Rise Heat Detectors
- Indicating Pressure Switches
- Dual Cylinder Restraints



Brought to You By Applied Energy Systems

Singularly focused on excellence in gas delivery, customers turn to Applied Energy Systems (AES) for high-value systems engineering – including design, manufacturing, testing, and field services. Our excellence permeates our products, services, solutions and every industry we touch, to power process innovation for hundreds of organizations worldwide.

Whatever your gas delivery need may be, you can depend on the AES team to provide you with the high and ultra high purity solutions that exceed the latest standards for quality, precision, and safety in your field – and that are proven in practice to drive repeatable success.