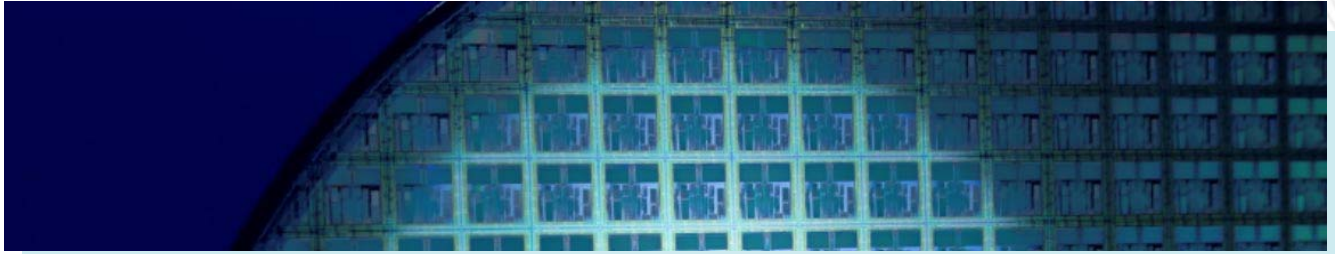


GASGUARD® eV TEMPERATURE CONTROL SYSTEM: STATE-OF-THE-ART TEMPERATURE CONTROL—FULLY INTEGRATED SYSTEM

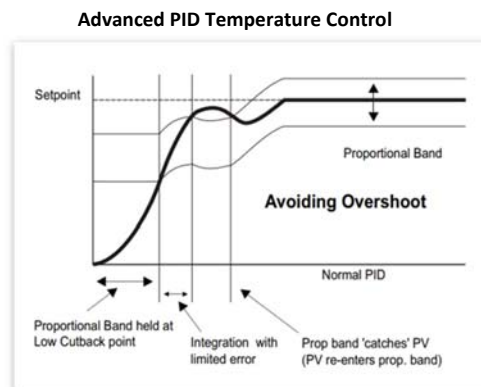


Now with two installation options! Top mount or Remote Mount.

This latest generation of technology significantly lowers cost of ownership to deliver heated specialty gases to the tool.

KEY BENEFITS:

- Over-temperature protection reliability
- Integrated monitoring and control
- Updated, single piece 700-watt blanket
- Top and remote mount installation
- Smaller footprint than traditional
- Reduced installation costs
- No blanket change downtime
- GFCI protection
- Single power feed
- Dual power source optional
- Class 1, Division 2 approval, ATEX, CE, CSA (Request the full list of certifications from our technicians)



The Versum Materials' eV Temperature Control System provides tighter, more precise control that will lead to more consistency for your process.

Fully integrated system enables more temperature control and better tracking and display of data. The Versum Materials GASGUARD eV Temperature Control System delivers smart, state-of-the-art fabwide heat sourcing and control of electronic specialty gases requiring heating before delivery to the tool.

This latest addition to our premier line of GASGUARD Delivery Systems and Services equipment reduces cost of heating, increases performance, adds value and enhances the user experience. The GASGUARD eV Temperature Control System includes top and remote mount options, an ECC heater/controller, the GASGUARD AP11 controller and a gas cabinet with two 700-watt single blankets and two heat traces for two A or B-size cylinders.

Significant upgrades include reducing power sources from three connections to one; the addition of ground fault (GFCI) protection; safer and quicker heating using higher wattage blankets; lower installation costs; and expanded integrated monitoring and control links between the ECC heater/controller and the Versum Materials GASGUARD AP11 controller, whose platform dramatically enhances and improves heat control.

The system encompasses benchmark control technology for specialty gas delivery systems that provides users with enhanced uptime, simplified troubleshooting and increased controller reliability.

The GASGUARD eV Temperature Control System incorporates two redesigned 700-watt heater blankets. Each blanket has single-piece construction for both the heater and installation, dual voltage (120v or 208/240v), and over-temperature protection via redundant bimetallic switches. Blanket changes require no downtime.

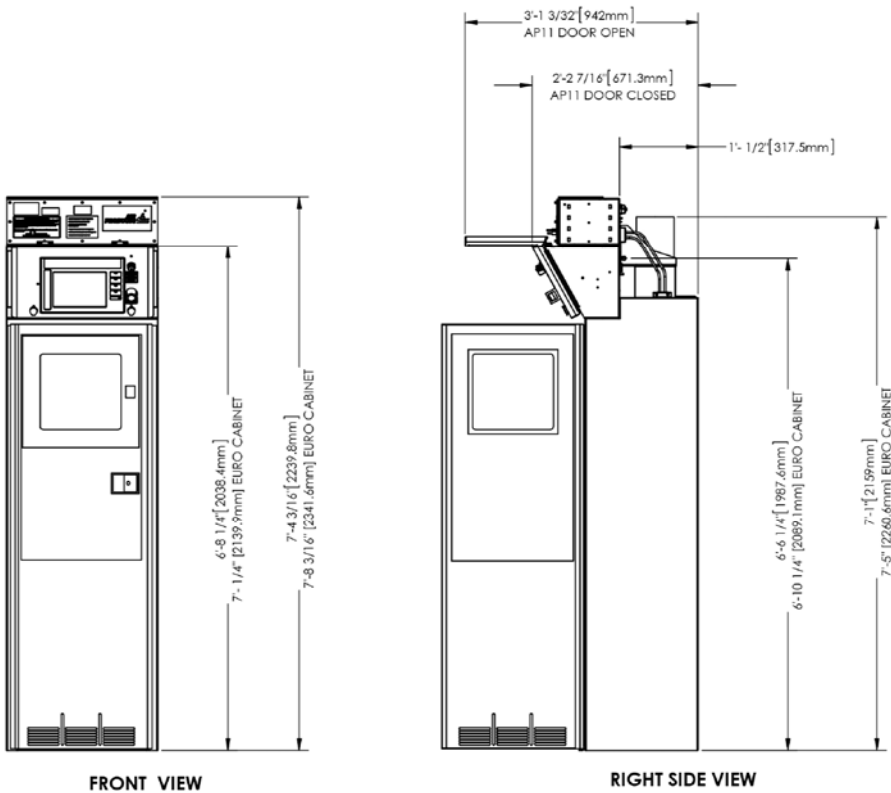
All GASGUARD gas cabinets and equipment are backed by more than 60 years of experience in the cost-effective, safe, and reliable delivery of gases and chemicals to the semiconductor, display and photovoltaics industry.

Option 1: Fully Self-Contained System

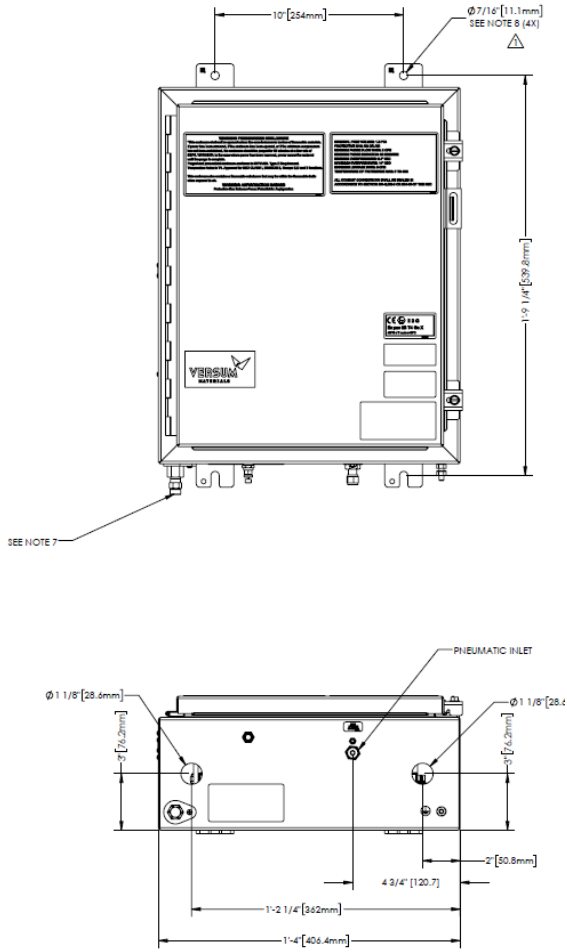
Controller Top Mount

SPECIFICATIONS

Size	2-Cyl: 92.1875"H x 24.125"W x 26.4375"D
	3-Cyl: 92.1875"H x 38.125"W x 26.4375"D
Weight	2-Cyl: 425 lb. empty
	3-Cyl: 525 lb. empty
Power	Single Power Feed
	2-Cyl: 120 VAC, 12A, 50/60Hz, 3-wire or 208-240 VAC, 6A, 50/60Hz, 3-wire
Controller Powered Separate from Heaters (2-Cyl):	
Heaters	120 VAC, 17A, 50/60Hz, 3-wire
Controller	100-240 VAC @ 150 VA maximum, 50/60Hz, 3-wire
Controller Powered Separate from Heaters	
Heaters	208-240 VAC, 6A, 50-60Hz, 3wire
Controller	100-240 VAC @ 150 VA maximum, 50/60 Hz, 3-wire



Option 2: Remote-Mount System



Controller Remote Mount



For more information, please contact us at:

VERSUM MATERIALS, INC.
VERSUMMATERIALS.COM

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