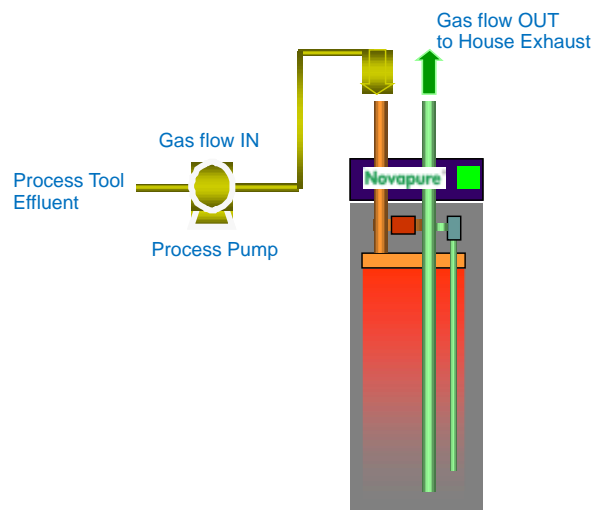




## NOVAPURE<sup>®</sup> EGS300 Dry Bed Abatement Technology



### Applications

- Ion Implant
- CVD
- MOCVD
- Metal Etch
- Cylinder change purging
- Others upon request

### Advantages

- SEMI S2 and CE compliance<sup>(1)</sup>
- Removal efficiency below TLV levels
- Continuous passive operation
- Constant pressure control system
- Integrated gas monitoring
- Low maintenance
- Automatic scrubbed by-pass

The Novapure series offers a safe, efficient and reliable solution for treatment of hazardous process gases and by-products.

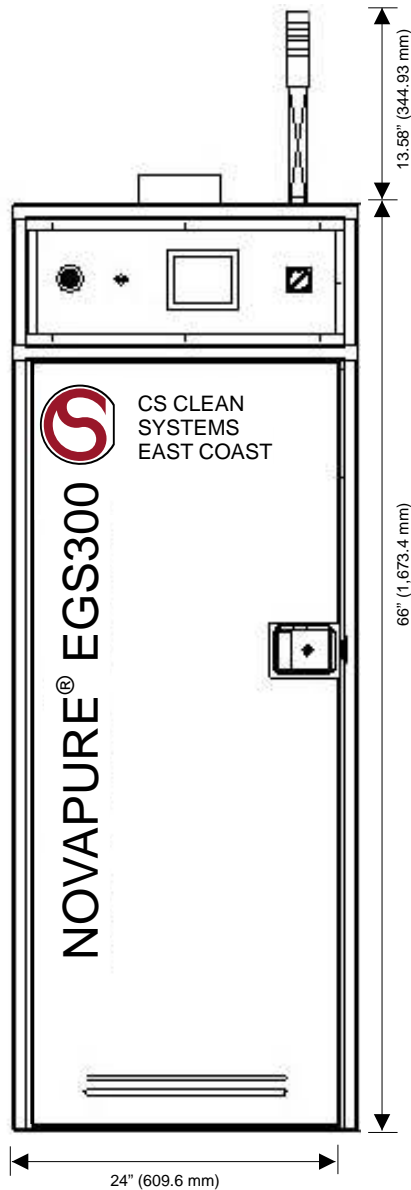
This unique system uses chemisorptive granulate technology to treat process gases in a negative pressure environment ensuring only inbound flows. Continuous gas monitoring assures total point-of-use gas treatment below TLV levels. In the event of a power outage, the Novapure system will continue to treat the inflows.

The built-in 90% depletion feature provides warning of breakthrough when the granulate is 90% consumed. The remaining capacity allows the current process to run-to-finish and time to schedule a shutdown for canister replacement.

Chemisorptive technology provides irreversible reactions with process gases and their by-products, forming non-volatile solids. The spent canister can be easily and safely disposed of or incinerated.



# NOVAPURE<sup>®</sup> EGS300 Specifications



## PERFORMANCE

- Process Flow Per System 2800 slm (99 cfm)-Blower<sup>(2)</sup>  
175 slm-Eductor
- Compressed Gas Nitrogen 100 slm
- Enclosure Exhaust 4,200 slm (150 scfm)
- Power Consumption 2.1 kW
- Canister Size 32 gal (standard)

## FACILITIES

- Compressed Gas Nitrogen 80-90 psig (5-6 bar)  
3/8" compression fitting
- Electrical Supply 208/220 VAC, 50 Hz
- Connections
  - Process Inlet/Outlet KF-50
  - Enclosure Exhaust 6" (152 mm)
  - Static Duct Pressure 0.5 in w.c. (1.2 mbar)
- Enclosure Dimensions 24 x 24 x 66 in (609.6 x 609.6 x 1676.4 mm) (WxDxH)
- Clearance
  - Front 36 in (914.4 mm)
  - Top 13.75 in (349.25 mm)
- Weight
  - Shipping 370 lbs (168 kg)
  - Operating/with canister 800 lbs (363 kg)

## COMMUNICATION AND INTERLOCKS

- 2 dry contacts – Warning, shutdown

## OPTIONS AND ACCESSORIES

- Simple remote

<sup>(1)</sup> Blower model requires dedicated power line for CE compliance (front)

<sup>(2)</sup> Process specific