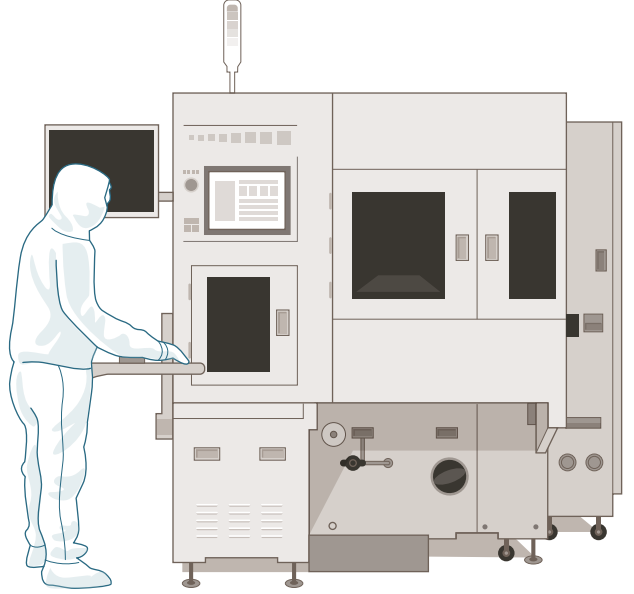


Safely Achieve Higher Gas Volume and Flow Rates with Entegris PDS® Gas Delivery Systems

Manufacturing semiconductors, flat panels, solar panels, and other industrial products requires unique gas mixtures and neat gas species to perform the needed functions while keeping tools, products, and surfaces clean. Entegris' PDS® gas delivery system enables safe delivery of high volume, high flow rate toxic gases.



MANUFACTURER'S CHALLENGES



High Pressure
Toxic Gas Use



Toxic Gas
Release



Gas Manifold
Reliability



Tool
Availability



Cost and
Pricing

CONSUMER BENEFITS

The PDS portfolio provides safety and reliability with SDS® and VAC® technologies in larger 50L and 17L gas cylinder sizes that deliver a wide range of gases and specialized gas mixtures.



PDS-A

- All the benefits of SDS, in a larger deliverable package
- Intrinsically safe subatmospheric storage and delivery with a fail safe design



PDS-V

- All the benefits of VAC, in a larger deliverable package
- Delivers subatmospheric gas through the use of two internal regulators that only allow gas to exit the cylinder under vacuum
- Classified as a SAGS Type 2 gas source package by the NFPA and the IFC
- Supplies a wide range of gases and specialized gas mixtures



PDS +100

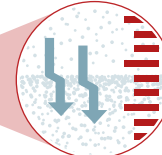
- Utilizes VAC technology to provide a safer alternative than standard high pressure
- Stores gas at high pressure and uses a single internal regulator to deliver gas at a constant 100 psi
- Supplies a wide range of gases and specialized gas mixtures

UTILIZES THE BEST TECHNOLOGIES FOR SAFE GAS DELIVERY

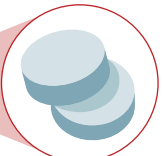
SDS technology stores and delivers subatmospheric gases and is the safest on the market.



SDS



Subatmospheric
Delivery

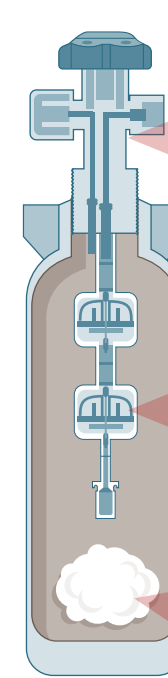


Monolithic Carbon
Adsorbent Pucks

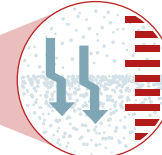


Safest in the
Industry

VAC technology stores at pressure and delivers subatmospheric, ultra high-purity gas.



VAC®



Sub-atmospheric
Delivery



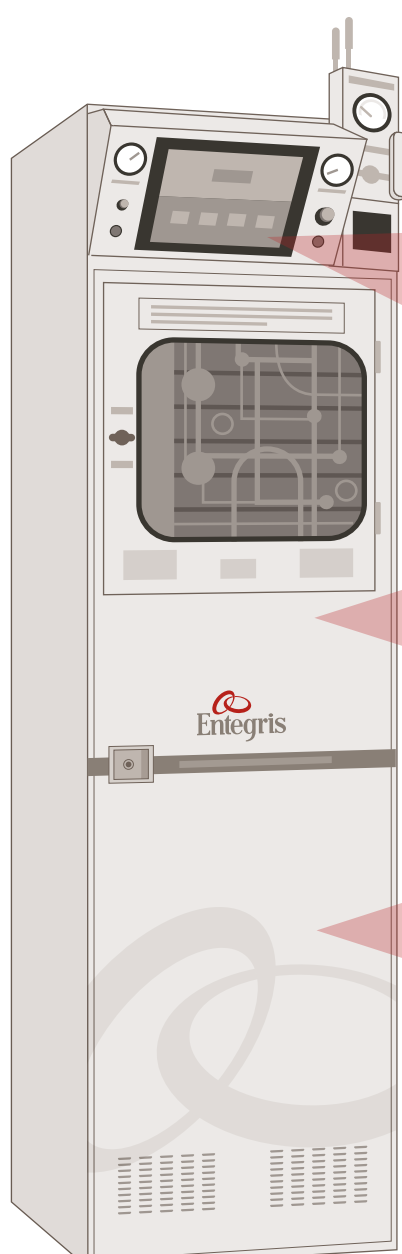
Mechanical Devices
Reduce Pressure



High Pressure
Storage

HIGHER VOLUME WITH OPTIONS

Entegris' PDS gas delivery system ensures safety and greater efficiency in the delivery of toxic gases.



Automated



Auto
Switch Over



Increased
Efficiency

- Safety profile enables use of 100% neat gas rather than a gas diluted in a carrier gas such as hydrogen, argon, or nitrogen
- Higher deliverable grams per package.
- Fewer gas cylinder changes, less chance of accident, less gas system degradation, higher tool uptime
- Less stress on the gas manifold, much longer component lifetime, and higher tool reliability and availability



PDS+100 and PDS-V cylinders are ideal for large volume gas delivery at subatmospheric pressures.

Learn More
www.entegris.com/pds