

## Fab-wide Vapor Distribution

# VaporMerge™ DVB

<https://www.cerestechnologies.com/en/our-products>

**VaporMerge™ Distribution Valve Box (DVB)** efficiently combines vapor streams from up to four VaporStations into a single distribution outlet, enabling higher flow rate capacity and enhanced system redundancy. This design supports reliable, fab-wide delivery of vapor to CVD processes.

**VaporMerge™** also ensures balanced flow rate utilization and consistent vapor concentration across all connected VaporStations operating in parallel. The result is uninterrupted vapor availability, high-capacity flow, and precise vapor concentration from a remote supply source.

### Why choose VaporMerge™

- Enables fab-wide bulk supply of precursor vapor for GaN, SiC, and Epi.
- Remote solution for fabs with restrictions on hazardous precursor chemicals in fab.
- SEMI compliant.

### Applications

The system delivers fab-wide CVD precursor vapor supply for GaN, SiC, and Epi processes. It enables safe, single-point bulk liquid-to-vapor delivery, simplifying supply and logistics. As a remote solution, it suits fabs with restrictions on hazardous precursors in cleanroom areas. It also provides a reliable alternative to on-tool bubbler circuits, reducing the need for frequent change-outs and minimizing downtime.



Available in wall-mount or rack-mount configurations

### Features

- Combines up to four VaporStations to deliver 80 slpm total flow.
- Fully automated system runs continuously without operator input.
- Realtime display of vapor concentration.
- Integrated plumbing supports flow balancing, purge, and vent/vacuum functions.
- Supports up to two high-capacity outlets for flexible vapor delivery.