

Vector Ultra

Reliable and Efficient Water Scrubber

Reliable treatment systems are critical to the productivity of advanced process tools. A treatment solution must have high uptime and be flexible enough to handle changing process and environmental needs. The Vector series of water scrubbers is uniquely suited to meet these challenges.

The Vector 3000 is a proven solution for a variety of processes including Etch and Epi. An extensive database of applications and removal efficiencies is used to customize the best solution for a given process.

The Vector 3500 is a proven solution for Metal Etch processes. This system will treat up to four process effluent streams and is tailored to high particulate forming Metal Etch processes.

The Vector 6000 has been designed to reduce pyrophoric gases to a fraction of LEL without using external fuel sources. This treatment solution can be configured to safely treat up to three pyrophoric-containing effluent streams

using a controlled addition of CDA to the inlet. These qualities make the 6000 an ideal non-fuel solution for solar applications.



Applications

- Epitaxial
- Etch
- Tungsten CVD
- Metal Etch
- Silicon Nitride

BAZM Solutions

www.bazmsolutions.com

sales@bazmsolutions.com

Specifications

Vector 3000

- Process Flow 1–4 inlets
 - System maximum flow 300 slm (10.6 scfm)
 - Special circumstances maximum flow 2,265 slm (80scfm)
- Compressed Gas
 - Nitrogen per inlet 14 slm (0.5 scfm)
- Water Consumption
 - Fresh Water 0.5 to 4.0 gpm (1.9to 15.2 slm)
- Power Consumption 1100 watts
- Reliability
 - MTBF > 8,000 hours
 - MTTR < 2 hours

Vector 3500

- Process Flow 1–4 inlets
 - System maximum flow 300 slm (10.6 scfm)
 - Special circumstances maximum flow 2,265 slm (80scfm)
- Compressed Gas
 - Nitrogen per inlet 25 slm (1 scfm)
- Water Consumption
 - Fresh Water 0.5 to 4.0 gpm (1.9 to 15.2 slm)
- Power Consumption 1100 watts
- Reliability
 - MTBF > 8,000 hours
 - MTTR < 2 hours

Vector 6000

- Process Flow 1–3 inlets
 - Total Flow Per Inlet 75 slm (3 scfm)
 - Total Pyrophoric Flow 2 slm (0.1 scfm)
- Compressed Gas/per inlet
 - Nitrogen 10 slm (0.4 scfm)
 - Clean Dry Air (CDA) 62 slm (2.2 scfm)
- Water Consumption/per inlet
 - Fresh Water 0.3 gpm (1.1 slm)
 - Chilled Water 2 gpm (19 slm)
- Power Consumption 1100 watts
- Reliability
 - MTBF > 8,000 hours
 - MTTR < 2 hours

Options and Accessories

- Safety-containment cage
- Simple remote
- RS-232 or RS-485 communication