

CRITICAL SYSTEMS' GANYMEDE™ PROCESS EXHAUST SCRUBBER **POINT-OF-USE PROCESS EXHAUST WET SCRUBBER**

Ganymede Technology:

Jupiter Scientific's Ganymede water scrubbers come in sizes ranging from point of use process tool devices in a small footprint for small applications through applications as large as 2000 CFM area scrubbing tasks. Our Ganymede water scrubbers feature chemical injection, integrated lift capability (so no lift station is needed), a host of safety interlocks, and industry leading destruction and removal efficiency that delivers non-detect at the discharge. All of this comes in a remarkably small package that conserves your factory space. Ganymede water scrubbers also deliver the most sustainable abatement in the industry through our water-pinch technology that allows the scrubber to operate at 100% reflux for extended periods of time.

Ganymede water scrubbers are water misers as they use chemical injection and water quality monitoring to minimize purging of water. This water conservation does not come at the cost of efficiency - the science monitoring the water in fact ensures an optimal scrubbing mix for optimal scrubbing results.

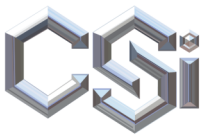
Key Features of the Ganymede Point-of-Use Process Exhaust Scrubber:

- *Ultra-High Efficiencies! Non-Detect at Discharge!*
- Dual Scrubbing Path Provides Long Residence Time for Gas Abatement
- Inlet/Outlet Spray Assemblies Include Fogging Nozzles and Revolving Primary Injector for Maximum Contact with the Target Gases
- Water-Pinch Technology Utilizes Sophisticated Water Monitoring and Chemical Injection to Control the Water Exchange in the Scrubber's Reservoir
- On-Board Chemical Tank with Low Level Alarms Provide Reliable Chemical Injection.
- Integrated Secondary Containment in the Bottom Control Box
- Color Touch Panel Display
- High Quality Components for Long Life and Low Maintenance
- Ethernet Communications to End User
- Tool Interlock Connections to Prevent Reactor Operation when Ganymede is Offline
- Integrated Temperature, Pressure & Exhaust Monitoring with Data Logging
- *Lowest Cost of Any Comparable Wet Scrubber*
- *Made in the USA!*



Ganymede 350 is Shown

Since 2000, Critical Systems, Inc. (CSI) has been supporting the breakthrough technologies of our customers with practical, cost effective solutions that “surround the process tool”.



GANYMEDE MODEL SPECIFICATIONS

GANYMEDE 350

- Part Number: 03-0031
 - Sump Capacity: 15 Gallons
 - Maximum Total Flow: 350 CFM (Process Gas Dependent - Consult CSI for Details)
 - Electricity: 115 V / 208 V, 1Phase, 60 Hz, 15A
 - CDA Required: 5 LPM @ 60 psig
 - Make-Up Water: 5 GPM ^{1 2}
 - Peak Discharge: 10 GPM to Treatment ¹
 - Exhaust Draw: 3" WC
 - Dimensions: 36" Wide x 22" Deep x 86" Tall
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GANYMEDE 550

- Part Number: 03-0012
 - Sump Capacity: 30 Gallons
 - Maximum Total Flow: 550 CFM (Process Gas Dependent - Consult CSI for Details)
 - Electricity: 115 V / 208 V, 1Phase, 60 Hz, 15A
 - CDA Required: 5 LPM @ 60 psig
 - Make-Up Water: 10 GPM ^{1 2}
 - Peak Discharge: 20 GPM to Treatment ¹
 - Exhaust Draw: 3" WC
 - Dimensions: Consult CSI for Dimensions
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GANYMEDE 2000

- Part Number: 03-0004
- Sump Capacity: 80 Gallons
- Maximum Total Flow: 550 CFM (Process Gas Dependent - Consult CSI for Details)
- Electricity: 115 V / 208 V, 1Phase, 60 Hz, 15A
- CDA Required: 5 LPM @ 60 psig
- Make-Up Water: 20 GPM ^{1 2}
- Peak Discharge: 30 GPM to Treatment ¹
- Exhaust Draw: 3-4" WC
- Dimensions: Consult CSI for Dimensions