



JUPITER SCIENTIFIC EUROPA EXHAUST GAS SCRUBBER

CATASTROPHIC RELEASE SCRUBBER

Europa Technology:

Jupiter Scientific's Europa Dry Scrubber is a point-of-use facility exhaust treatment system with a broad range of process gas scrubbing capability. The Europa scrubber employs Jupiter Scientific's Europa Scrubbing Canisters to offer the lowest emissions of any scrubber available today. In all cases where the Europa is employed it offers guaranteed scrubbing of the target gases to levels below Threshold Limit Values.

The Europa operates in a totally passive mode at ambient temperature. Dry chemical resins efficiently react on contact with process gases and by products, converting them to non-volatile solids. Advanced scrubbing capabilities, combined with multiple levels of safety engineering, make the Europa one of the safest and most efficient scrubbers available.

The Europa System:

- Canister/Wall Mounted Monitoring Box or Cabinet Designs
- 90% and Outlet Concentration Exhaust Gas Monitoring
- Real Time Exhaust Concentration Data Logging
- Interlocks to ensure Europa is operating within Specifications
- Visual and Audible Alarms
- Integrated Temperature Monitoring
- Integrated Pressure Monitoring
- Interlocks to Prevent Reactor Operation when Europa is Offline

Catastrophic Release Scrubbers:

A Catastrophic Release Scrubber is installed in the gas cabinet or fume hood exhaust line, and is designed to capture a full cylinder's release of the target gas that resides in the gas cabinet. This cost effective scrubber uses a dry bed ambient media and requires no fuel or water to operate. Its purpose is to provide a safe abatement solution should a hazardous gas cylinder develop a leaking cylinder valve or should a situation occur in the gas cabinet which causes a leak that cannot be shut off.



Performance Specifications:

Exhaust Flow per System	500 SCFM
Removal Efficiency	Sub TLV Emissions
Purge Gas - Nitrogen	25 SCFM*
Pneumatics - Nitrogen	500 sccms
Clean Dry Air (CDA)	10 SCFH (For Air Ox.)*

Facilities Specifications:

Process Connections	NW160 Flange
Compressed Gas - Nitrogen	60 - 80 psig (5.5 bar) 3/8" compression fitting
Clean Dry Air (CDA)	60 - 80 psig (5.5 bar) 1/4" compression fitting
Electrical Supply	110/220 VAC, 50/60 Hz
Overall Dimension (in):	56 H X 41.7 W X 41.7 D

* Purge Nitrogen & CDA is used only when replacing the canister