



Facility Exhaust Gas Scrubbers

EnviroClean Low Flow Facility Scrubber

Dry Abatement Media Technology

For small to mid-size facilities running limited processes or using a small number of hazardous gases, high cost facility scrubbers are often an overkill for the application. For these customers, CSI offers our *EnviroClean* Dry Abatement Media Facility Scrubbers. Ideal for flow rates up to 20,000 CFM, our unique media blends offer a combined low initial purchase and yearly maintenance cost.

Principals of Operation:

Vapor, which contains low levels of hazardous contaminants, flows upward through the abatement media bed where the targeted molecules adhere to the porous structure of the abatement media granules. This adsorptive reaction begins at the bottom of the “bed” and continues upward as the adsorptive area becomes saturated.

Complete saturation of the media is dependent upon many factors such as contaminant levels, temperature, the compounds being adsorbed, humidity, etc. Medias are designed to have an affinity for particular gases, and selected for the system based on high retention efficiency and loading characteristics. When monitoring has determined discharge air no longer meets discharge requirements, the media will have to be removed and replaced.



Medias are available for AsH₃, PH₃, BF₃, and SiF₄, Chlorine, Hydrogen Sulfide, Odors and others.

Ideally suited for Hydride abatement; gases commonly found in MOCVD processes.



EnviroClean Units Feature:

- Media beds sized for 1 to 5 years between change outs.
- Fans sized to accommodate the specific facility exhaust flow desired.
- Circuit breakers or control panels in NEMA 4, 4X and Explosion Proof Designs
- Optional Effluent Gas Monitoring

Product Data — *EnviroClean* Dry Abatement Media Scrubber

