

Emergency Gas Scrubber

Standing Guard Against Toxic Gas Leaks

PureAir's Emergency Gas Scrubber (EGS), paired with Safetysorb chemisorbant media, provides a reliable safety solution for managing hazardous gas leaks and serves as a critical line of defense for facilities storing and using toxic gases such as chlorine and ammonia. Because accidental releases can pose serious risks to employees, surrounding communities, and the environment, it is essential for facilities to understand these hazards and implement a comprehensive safety plan. The EGS system helps organizations prioritize safety while effectively mitigating the dangers associated with emergency gas leaks.

Key Benefits

- *Reliable and Effective*
- *Low Maintenance*
- *Fast-Acting*
- *Customizable*
- *Non-Flammable Chemisorbant Media*



EGS-150
with
LIFEGARD®
Media Bed
Monitor



EGS-300



EGS-808



EGS-707

Available EGS Models

EGS MODEL #	AIR FLOW RANGE CMH (CFM)	MOTOR MAX (HP)	MEDIA VOLUME M ³ (FT)	SHIPPING WEIGHT (LBS)	OPERATING WEIGHT (LBS)	CHLORINE CAPACITY
EGS-150	1,070-2,124 (630-1,250)	5-10	1.4 (50)	1,100	4,100	150 lbs Canister
EGS-300	1,700-3,228 (1,000-1,900)	5-10	2.8 (100)	1,500	6,500	300 lbs Canister
EGS-707	5,100-8,495 (3,000-5,000)	20-25	12.5 (440)	4,000	26,000	One-Ton Canister
EGS-8	5,100-8,495 (3,000-5,000)	20-25	12.5 (440)	4,000	26,000	One-Ton Canister
EGS-808	6,800-11,045 (4,000-6,500)	25-30	22.4 (880)	8,000	52,000	2 - One-Ton Canisters
EGS-10	6,800-13,252 (4,000-7,800)	25-30	22.4 (880)	8,000	52,000	2 - One-Ton Canisters

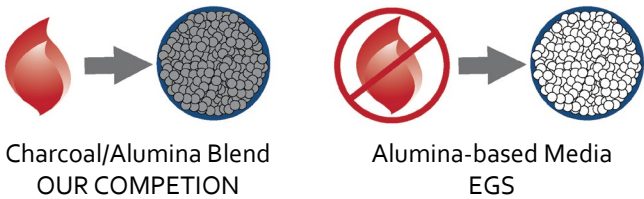
How it Works

The EGS scrubber remains on standby to capture toxic gases in the event of an emergency leak. Once a leak is detected, it activates immediately, adsorbing and neutralizing escaping gases as they pass through the media, preventing harm to employees, the surrounding community, and the environment. The process ensures that only clean air is released while converting the hazardous gas into a harmless by-product that can be safely disposed of as non-hazardous solid waste.

Features
• Prioritizes employee and environmental safety • Provides on-site protection to minimize gas leak risks • Enhances EPA Risk Management rating
• A decade of zero operating costs • Operates seamlessly with just one moving part
• Rapidly and effectively neutralizes hazardous gases • Capable of detecting leaks before the facility's main alarm system
• Alumina-based, non-flammable Safetysorb • Designed to adsorb chlorine molecules • Non-hazardous by-product is landfill disposable
• Multiple configuration to handle up to 8,495 (5,000 CFM) of airflow and up to two tons (1,814 kg/4,000 lbs) of hazardous gas • Available in horizontal and vertical airflow configurations • Multiple Drawthru blower options

Safetysorb Chemisorbant Media

Safetysorb, an alumina-based adsorbent media, is fireproof and UL rated, offering a crucial layer of protection against equipment damage in the event of a leak. Its non-flammable properties enhance safety, while effectively adsorbing chlorine molecules by attracting them to its surface, ensuring reliable gas capture and improved safety measures.



How does the EGS compare to traditional wet scrubbers?

EGS Components	Wet Scrubber Components
Vessel	Vessel
Blower	Blower
Adsorbent Media	Pumps
	Lines
	Nozzles
	Valves
	Holding Tanks for Caustic Liquid

Fewer moving parts = Less maintenance