

Emergency Gas Scrubber



Standing Guard Against Toxic Gas Leaks

PureAir's Emergency Gas Scrubber (EGS), in conjunction with Safetysorb adsorbent media, offers a dependable safety solution for addressing hazardous gas leaks. It stands as the optimal line of defense for facilities that store and utilize toxic gases such as chlorine and ammonia, posing potential risks to the well-being and safety of their employees if a leak occurs.

It is imperative for facilities storing toxic gases to understand the safety risks associated with an emergency gas leak and establish a comprehensive safety plan to safeguard both employees, the surrounding community, and the environment. The EGS allows companies to prioritize employee safety while addressing the threat of hazardous gas leaks.

How it Works

Filled with Safetysorb adsorbent media, the EGS remains on standby for gas adsorption to reduce toxic gas emissions in the event of an emergency gas leak.

Once a leak is detected, the EGS springs into action, capturing the escaping toxic gas before it poses a threat to employees, the surrounding community, and the environment. As the toxic gas passes through a bank of Safetysorb, it is neutralized, resulting in the release of only clean air. Following its reaction with the toxic gas, Safetysorb produces a harmless by-product that can be safely disposed of as non-hazardous solid waste.



EGS-808



EGS-150 with Electronic Media Bed Monitor (EBMv2)



EGS-300



EGS-707



Safetysorb Adsorbent Media

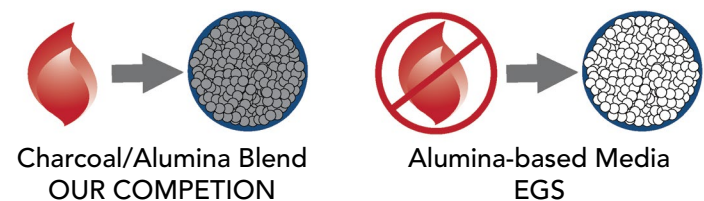


EGS MODEL #	AIR FLOW RANGE CMH (CFM)	MOTOR MAX (HP)	MEDIA VOLUME M ³ (FT)	SHIPPING WEIGHT (LBS)	OPERATING WEIGHT (LBS)	CHLORINE CAPACITY
EGS-150	1,070-2,124 (630-1,250)	5-10	1.4 (50)	1,100	4,100	150 lbs Canister
EGS-300	1,700-3,228 (1,000-1,900)	5-10	2.8 (100)	1,500	6,500	300 lbs Canister
EGS-707	5,100-8,495 (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

Benefits	Features
Reliable and Effective	<ul style="list-style-type: none"> Prioritizes employee and environment protection On-site protection to mitigate gas leak threat Improves EPA Risk Management Rating
Low Maintenance	<ul style="list-style-type: none"> 10 years of no operation costs Works effortlessly with a single moving part
Fast-Acting	<ul style="list-style-type: none"> Neutralizes hazardous gases quickly and efficiently Can detect leaks before facility's main alarm system
Adsorbent Media	<ul style="list-style-type: none"> Filled with alumina-based, non-flammable Safetysorb Designed to adsorb chlorine molecules By-product is non-hazardous solid waste and landfill disposable
Customizable	<ul style="list-style-type: none"> 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 Horizontal or vertical airflow configurations Multiple Drawthru blower options

Safetysorb Adsorbent Media

Safetysorb, an alumina-based adsorbent media, is fireproof and has obtained a UL rating. Its non-flammable nature serves as a protective measure, preventing equipment damage in the event of a leak. Safetysorb media is specifically designed to adsorb chlorine molecules by drawing them to its surface, effectively capturing the gas and enhancing 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

less moving parts = less maintenance

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