

DRY SCRUBBER



DRY H₂S REMOVAL FROM BIOGAS BY ACTIVATED MEDIA, NO MOVING PARTS

Hydrogen sulphide carried in biogas corrodes downstream equipment and drives the process inefficiencies that follow. H₂S removal in every biogas line is critical.

The CRA Dry Scrubber (CRA-RSULF-D) removes hydrogen sulphide from biogas as static equipment with no moving parts. High-quality activated media gives high efficiency — down to submicron particles — at exceptionally low pressure drop, so the unit fits an existing system without alteration. A man/hand hole is provided for smooth recharge, and the vessel requires no electrical power, making it energy efficient and easy to install.

Vessels are constructed from corrosion-resistant stainless steel, PP or FRP and precision-built for easy installation, minimal maintenance and long operational life. A twin tower configuration is supplied on request for uninterrupted, continuous operation. The design carries approvals from leading consultants and regulatory agencies.



CRA ADVANTAGE

+ Static Equipment, No Moving Parts	+ Optimal Design & Performance + Accomodate Special Requirements
+ High Efficiency at Very Low Pressure Drop	+ On-Time Delivery + Responsive & Organized Team
+ Customised MOC — SS, PP, FRP	+ Stringent Quality Management + Fast Turnaround
+ Twin Tower Option, No Power Required	+ Cost Effective Maintenance Packages + Long-Term CRA Support

APPLICATIONS

Supplied for H₂S removal and downstream protection across biogas and process plants

- + Biogas Plants
- + Waste Water Treatment Facilities
- + Process Industries
- + Engine & CHP Fuel Trains
- + Flare & Burner Supply Lines
- + Polishing Duty After Bulk Removal

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WORKING & ENQUIRY



STATIC MEDIA BED, LOW PRESSURE DROP, NO ELECTRICAL POWER REQUIRED

WORKING

- + Raw biogas enters the vessel through the flanged bottom inlet and passes up through the activated media bed
- + H₂S is adsorbed on the media; the bed also arrests particles down to submicron size
- + Treated gas leaves through the outlet nozzle to the engine, burner or upgrading plant
- + Pressure drop across the bed stays low, so the unit fits an existing system without alteration
- + Spent media is recharged through the man/hand hole; there are no moving parts to service
- + A twin tower configuration allows one vessel to be recharged while the other stays in duty

FEATURES

- + Modular, supporting a wide range of flow capacities
- + Very high efficiency, even for submicron particles
- + Very low pressure drop
- + Significantly lower running cost
- + No electrical power requirement

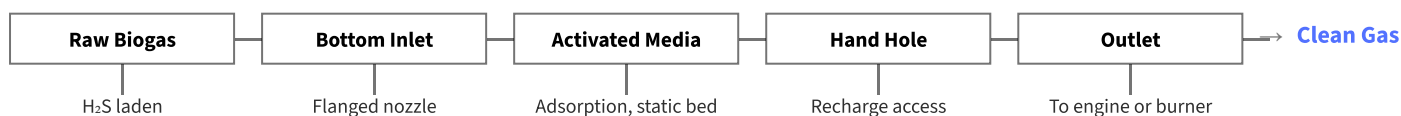
MOC to gas composition — stainless steel, PP or FRP. Twin tower on request.

ENQUIRY DATA

Please include the following specifications in your inquiry

Gas	Duty	Site
Gas composition	Desired H ₂ S concentration	Project details
Flow rate, Nm ³ /hr	Operating pressure	Ambient conditions
Incoming H ₂ S concentration	Permissible pressure drop	Single or twin tower

Process Flow



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