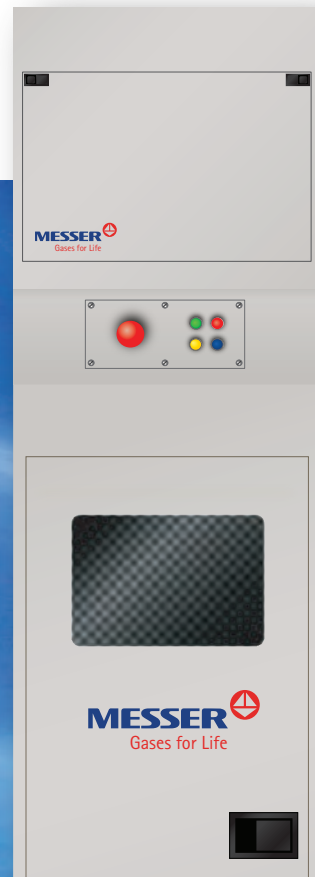


Gas Management Solutions

GAS SCRUBBER & PURIFIER

MESSER 
Gases for Life

Self Contained Toxic Gas Management System



Ductless Toxic Gas Cabinet Scrubber System

It is often necessary to have just one or two toxic gas cabinets in a facility that does not already have a ducting system with centralized exhaust scrubber for toxic gases. Messer has developed a complete scrubbing system with integrated redundancy that can be installed on top of Messer's line of Gas Management Cabinets.

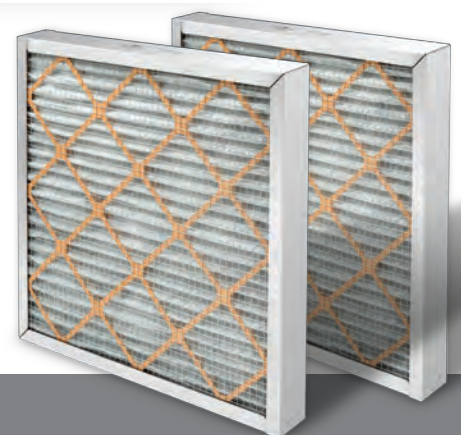
The scrubber unit consists of a 1,000 cfm blower and two scrubber elements in series. The standard system incorporates an Messer quick-replace Toxic Gas Detector downstream of the first scrubber element to detect break through. This will shut the system down automatically. The second scrubber element will capture any toxic gas carried over from the primary scrubber to ensure no toxic gas is recirculated back into the room.

An optional second TGD can be installed downstream of the second scrubber element if desired.

The height of the assembly does require a ceiling height of 10' to accommodate the system with adequate clearance for the air outlet on the top.

Design Features:

- No ductwork necessary
- No downstream scrubber required
- No tools required for:
scrubber element changeouts
TGD changeouts
- Solid, durable construction

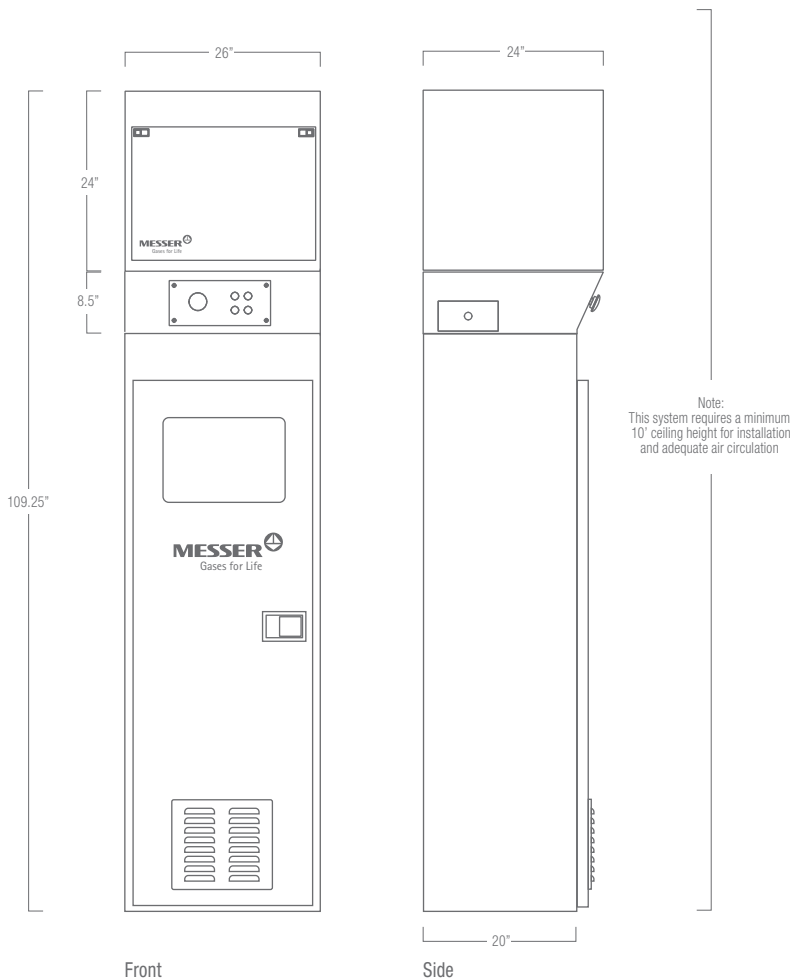


Gas Management Solutions

Ductless Toxic Gas Cabinet Scrubber System

Provides an attractive solution for customer's who do not have a waste toxic gas management system already —especially if there are only a limited number of gas cabinets required on a site. For this application, a Messer Room Scrubber is installed above a cylinder gas management cabinet. The scrubber can process all the vent gas requirements associated with cylinder operations in the gas cabinet. The scrubber has sufficient capacity to adsorb all the toxic material in a pair of size 300 cylinders with considerable margin in the worst-case emergency scenario. In this application the Gas Management Safety System (GMSS) panel is incorporated into the transition piece between the gas cylinder cabinet and the scrubber.

Please contact Messer for additional information regarding our Scrubber & Purifiers. For an overview of Messer's line of specialty gas products and services, please visit our website at www.messer-us.com



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