

Gas Management  
Systems

HIGH-QUALITY GAS CABINETS

**MESSER**   
Gases for Life

# Excellence Comes Standard



# Gas Management Systems

designed and built on a high-quality platform that can easily be configured and efficiently customized with pre-engineered components to fit your budget and your needs.

Our **Standard** Starts  
with a High-Quality Enclosure

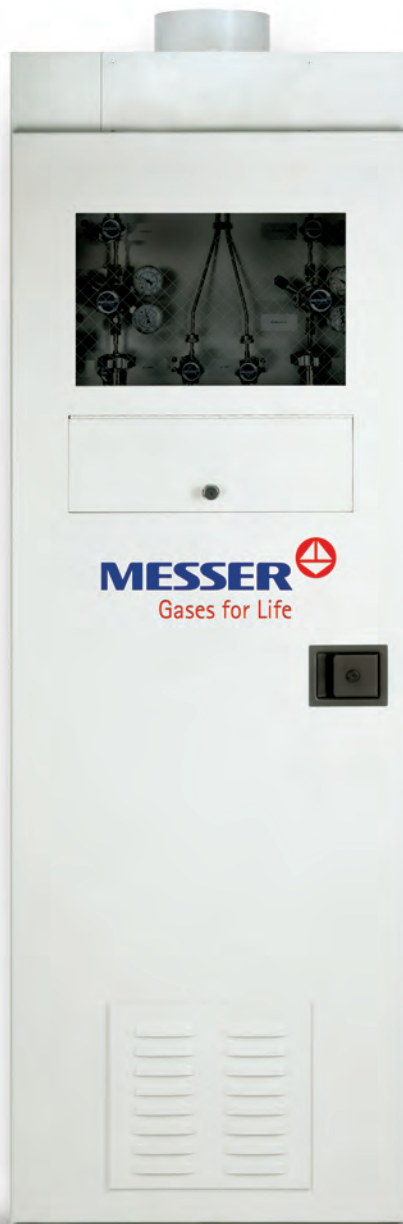
...and Precision-crafted,  
Low Maintenance Components

## Right-sized cabinets

- Two and Four cylinder platforms
- 20" deep cabinets to more easily accommodate equipment and computers
- 8" outlet duct that can accommodate Toxic Gas Detectors and Flow Switch

## Solid, durable construction

- 1/8" thick steel with fully welded seams
- Under floor supports to prevent bending under load
- Tough powder coated finish inside and out
- Replaceable diamond plate floors in hard wearing zinc finish
- Unistrut® compatible vertical rails to mount gas management panels and equipment
- Secure cylinder supports
- Maintenance-free door actuators
- Integral floor hold down bolt mounting points
- Sprinkler-head ready 1/2" NPT mounting point
- Wire-reinforced safety glass viewing ports
- Side opening door with window or upward opening door with fixed window
- Ventilation louvers sized for standard dust filter elements



## Flexible gas management panel options to suit your requirements

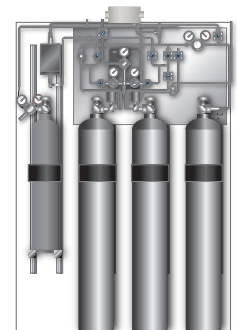
- Substantial 3/16" thick gas management panels are standard
- Equipment is front mounted to allow for easy maintenance
- Cost effective manual valve systems designed to be easy to operate through opening ports

## Available options include

- Two stage regulators for more precise final pressure control
- Auto-change over with two stage regulation
- External purge systems to eliminate potential atmospheric release of toxic gases
- Vent gas scrubbers for toxic gases
- Automated cylinder isolation valves (with Toxic Gas Safety System option)
- Automated valves to support automated operating sequences (with touch screen computer option)
- External mounting for air and purge cylinders



Two-Cylinder Enclosure



Four-Cylinder Enclosure

Two-Cylinder Cabinet shown. Four Cylinder Cabinet also available.

## Configure to Meet Your Needs with **Pre-engineered Options**



### **Toxic Gas Detectors (TGD)**

Our proprietary TGD offers continuous monitoring of the atmosphere in the cabinet



### **Gas Management Safety System (GMSS)** displays warnings & executes safety shut-down procedures

Designed to fit seamlessly within our enclosure eliminating the need for a cumbersome external mount



### **Ventilation Flow Blower**

mounts on top of the exhaust port of the Enclosure

Pair with an **Messer Purifier** for ductless Toxic Gas Management (requires a 10' (2.8m) ceiling height)

### **Toxic Gas Scrubber**

captures vent and purge gases and avoid atmospheric release

### **Plexiglass Partial Restrictor**

to increase face velocity

### **Externally-mounted Cylinders**

for purge or instrument air

### **Automate for increased efficiencies and proactive gas management**

Automates purge and vent processes

Onscreen safety checklists with interlocks between steps for increased peace of mind

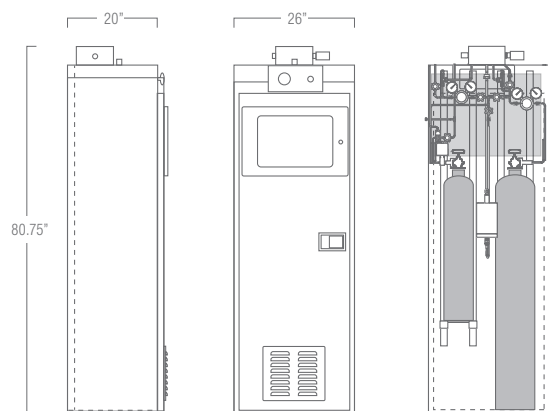
Data collection, report generation, maintenance reminders to help you plan, budget and report

## Why pre-engineered Options?

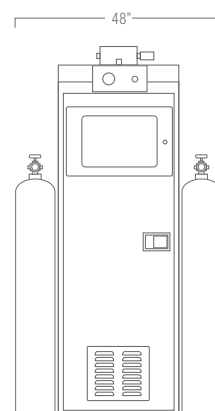
- pre-tested for increased safety and peace of mind
- allows for shorter order-to-delivery period
- economically competitive



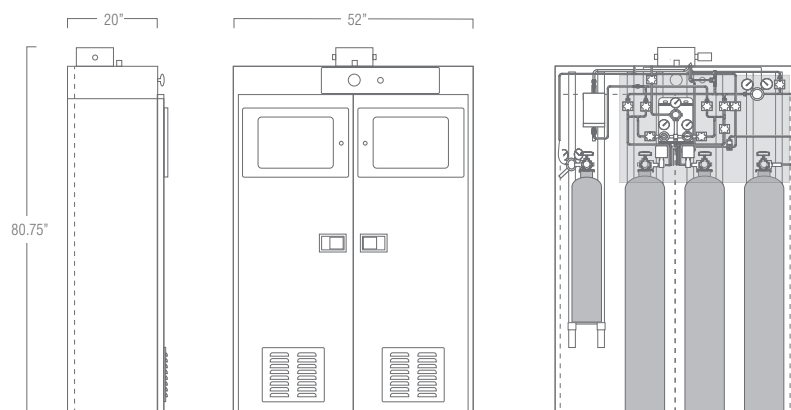
# Gas Management Systems Engineered Excellence



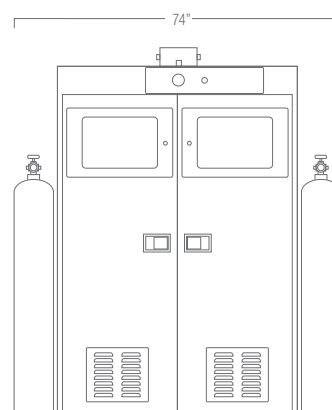
Two-Cylinder Cabinet



Two-Cylinder Cabinet plus 2 External Cylinders



Four-Cylinder Cabinet



Four-Cylinder Cabinet plus 2 External Cylinders

## Contact Messer For Additional Information

Please contact us for additional information regarding Messer Gas Management Systems and other specialty gas services.



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