

Portable Compressed Air Filter and Regulator Panel 256-02-00

Issue Date 01/01/04

The 3M™ Portable Compressed Air Filter and Regulator Panel 256-02-00 can filter and regulate air delivered to your supplied air respirator. This system can help to remove limited amounts of carbon monoxide (CO) from the incoming air as well.

This system offers a number of unique benefits to you.

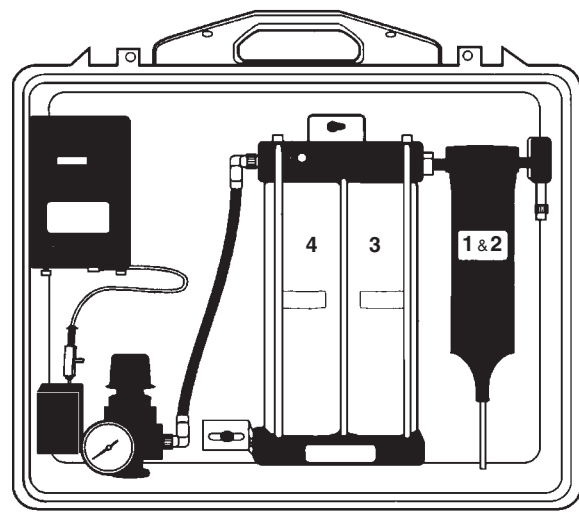
- Compatible with 3M's full line of supplied air respirators
- Four-stage filtration
- Can monitor for carbon monoxide in incoming air
- Can remove approximately 60% of the carbon monoxide from the incoming air
 - Proprietary "low-temperature catalyst" converts dangerous CO to CO₂
- Portability
 - Comes in a durable carrying case
 - This unit can be easily moved to different areas of the plant
 - It can be permanently mounted to the wall if desired
- Intrinsically safe system¹
 - Excellent for paint booths

Stage 1
Pre-filter particulate removal

Stage 2
Coalescing of liquid contaminants

Stage 3
Contains a bed of odor absorbing activated charcoal

Stage 4
Unique low-temperature catalyst converts approximately 60% of carbon monoxide to carbon dioxide



3M™ Portable Compressed Air Filter and Regulator Panel, 256-02-00 (four-stage filtration)

Ideal for use in many industries

- Automotive
- Petrochemical
- Public Utilities
- Shipbuilding
- Construction
- Military
- Mining
- Pharmaceutical

Ideal for use in many applications

- Spray Painting
- Sandblasting
- Welding
- Tank Cleaning
- Toxic Material Handling
- Hazardous Material Clean Up
- Chipping / Grinding

¹ The carbon monoxide monitor in the 3M Portable Compressed Air Filter and Regulator Panels is CSA Certified Intrinsically Safe for Class 1, Div. 1, Groups A, B, C and D Hazardous Locations when utilizing the two 9 volt batteries to power the monitor. If the monitor is powered by the optional 120 VAC adapter, the Intrinsically Safe Certification is voided. The Intrinsically Safe Certification is also voided when the remote alarm is used.

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Other Compressed Air Filter and Regulator Panels from 3M

Product Number	Maximum Air Flow	Inlet Pressure	Outlet Pressure	Maximum Connections	CO Monitor ¹	CO Filter	Portable Case
256-02-00	50	125	0-125	4	Yes	Yes	Yes
256-02-01	100	125	0-125	8	Yes	No	Yes
W-2806	50	125	0-125	3 to 5	No ²	No	No

WARNING

3M's Compressed Air Filter and Regulator Panels will not increase the oxygen content of an air supply and should not be used when air entering system is oxygen deficient. OSHA regulations require Grade D breathing air.

OSHA Regulations

The Occupational Safety and Health Administration (OSHA) state in 29 CFR 1910.134 (i) that air quality for breathing air shall meet at least the requirements of the specification for Grade D breathing air as described in Compressed Gas Association Commodity Specification ANSI/CGA G-7.1 1989, in the United States. In Canada, consult Table 1 of the CSA standard CAN3-Z180.1-00.

Grade D breathing air consists of:

Oxygen 19.5 to 23.5%

Hydrocarbons <5mg/m³
(oil condensed)

Carbon Monoxide <10ppm

Odor no noticeable odor

Carbon Dioxide <1000ppm

The 3M Compressed Air Filter and Regulator Panels can aid in providing Grade D breathing air. Air samples should be tested regularly to determine that Grade D air is being supplied.

Liberty Mutual Analytical Labs can provide this service. For more information call: 800-230-6263.

Accessories for the 256-02-XX

523-01-28	Replacement Filter Kit, 50 cfm
523-01-29	Replacement Filter Kit, 100 cfm
529-04-49	Calibration Kit (for CO monitor)
529-04-48	Calibration Kit, Large (for CO monitor)
529-04-50	110-120 AC Adapter (for CO monitor) ¹
529-05-18	Zero Gas Cylinder
529-05-19	Span Gas Cylinder
529-05-17	Zero Gas Cylinder, Large
529-05-16	Span Gas Cylinder, Large
529-05-20	Remote External Alarm or Remote Alarm, Audible ¹ (for CO Monitor)
529-05-21	Remote External Strobe or Remote Alarm, Strobe ¹ (for CO Monitor, requires 529-04-50 also be used)
529-05-23	Y-Plug Adapter
529-05-22	Replacement Sensor for CO Monitor

Accessories for the W-2806

W-2808	Retrofit CO Monitor ¹
W-2811	Replacement Filter Cartridge (10 pack)
W-2915	Filter Bowl
W-2921	Bowl Gasket
W-2923	Cartridge Washer
W-3046	Bowl Guard
W-3096	Air Pressure Regulator
W-3099	Air Pressure Gauge
W-3012	Coalescing Filter Assembly
W-3013-4	Replacement Coalescing Filter (4 pack)

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² W-2808 CO Monitor Retrofit Kit available.

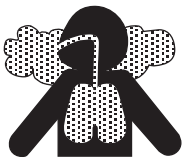
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Product Use Information

The data provided herein is intended for general information purposes only. This product must be used only by qualified persons trained in its safe handling and proper use and maintenance. This product should be used only in strict accordance with and adherence to the detailed instructions and precautionary statements provided on the product and in the user instructions which accompany each product. Failure to comply with these instructions may expose the user to serious bodily injury or loss of life. 3M reserves the right to make changes in specifications at any time without prior notice. Any questions concerning proper use of this product should be directed to your safety professional or supervisor.

Refer to Fax On Demand documents **#4045 (L-Series Headgear)**, **#4040 (H-Series Hoods)** and **#4024 (Dual Airline Supplied Air Respirators)** for information on 3M supplied air respirators that can be used with the 3M™ Compressed Air Filter and Regulator Panels.



⚠ WARNING

Misuse may result in sickness or death. Before use, read and understand *User Instructions* provided as a part of product packaging. For proper use, see supervisor, packaging or call 3M OH&ESD Technical Service, call 1-800-243-4630. In Canada, call 1-800-267-4414 or 1-800-265-1840, ext. 6137.

3M Occupational Health and Environmental Safety Division
3M Center, Building 235-2W-70
St. Paul, MN 55144-1000

For more information, please contact:

3M Occupational Health and Environmental Safety Division (OH&ESD)

In the U.S., contact:

Sales Assistance

1-800-896-4223

Technical Assistance

1-800-243-4630

Fax On Demand

1-800-646-1655

Internet

<http://www.3M.com/occsafety>

For other 3M products

1-800-3M HELPS

In Canada, contact:

3M Canada Company, OH&ESD

P.O. Box 5757

London, Ontario N6A 4T1

Sales Assistance

1-800-265-1840, ext. 6137

Technical Assistance (Canada only)

1-800-267-4414

Fax On Demand

1-800-646-1655

Internet

<http://www.3M.com/CA/occsafety>

Technical Assistance In Mexico

01-800-712-0646

5270-2255, 5270-2119 (Mexico City only)

Technical Assistance In Brazil

0800-132333

Fax On Demand O.U.S. Locations

1-651-732-6530