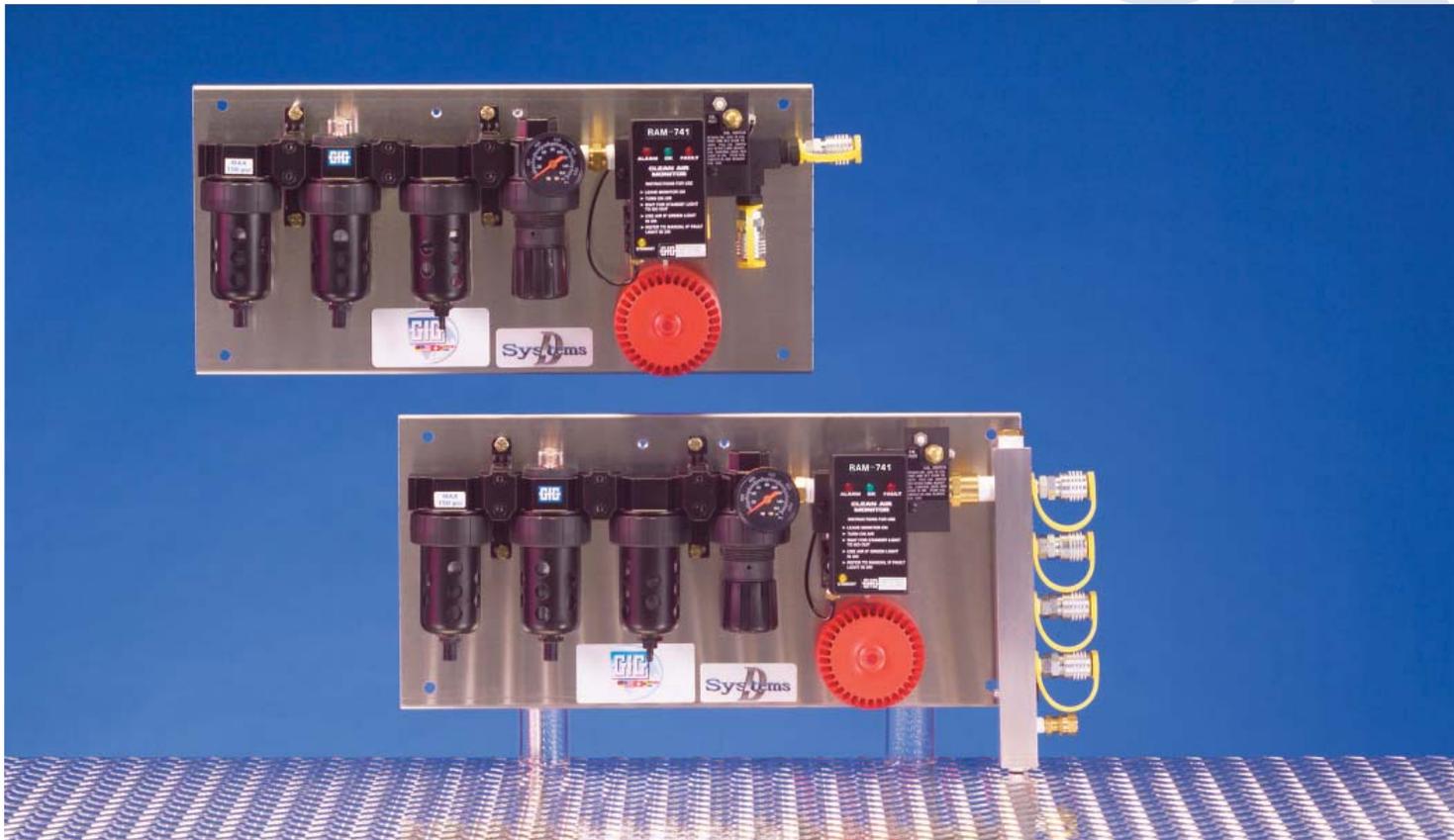


RAM 741

Respiratory air monitors

TOX



- Meets OSHA requirements for 'grade D' breathing air
- Continuous monitoring of supplied breathing air
- Carbon monoxide and vapor detection
- Simple calibration and maintenance
- Three-stage filtering for up to 8 users

Best Safeguard for Quality Breathing Air

The RAM 741 monitor is designed to satisfy OSHA monitoring requirements for Grade D breathing air. Utilizing a MOS Broad Range sensor, the monitor not only alerts the user to excessive carbon monoxide levels that enter the air line system, but also organic vapors such as solvents and hydrocarbons that are present after the air has been filtered. Operating from a 110V AC power source, this unit is able to activate optional devices like an air horn that is safe in explosive environments such as paint booths.

A simple calibration system, alarm contacts and compact size make the RAM 741 ideal for many applications. The design of the 741 requires mounting with a GfG 25, 50 or 100 CFM air line filter system.

Respiratory air specifications

All GfG-Instrumentation RAM instruments satisfy the requirements of OSHA rule 29 CFR 1910.134 (d) (2) (ii) for carbon monoxide monitoring. They will also monitor Grade E

OSHA Regulations (Standard - 29 CFR) Respiratory Protection - 1910.134

(i)(6)

For compressors that are not oil-lubricated, the employer shall ensure that carbon monoxide levels in the breathing air do not exceed 10 ppm.

(i)(7)

For oil-lubricated compressors, the employer shall use a high-temperature or carbon monoxide alarm, or both, to monitor carbon monoxide levels. If only high-temperature alarms are used, the air supply shall be monitored at intervals sufficient to prevent carbon monoxide in the breathing air from exceeding 10 ppm.

from an air supply. After filtration, the regulator sets the pressure for the respiratory equipment and the manifold assembly provides multiple outlets for air line hose quick connections. The model 8025 panel includes two user female quick connect outlets, the 8050 four, and the 8100 eight.

air, generally specified for breathing air in cylinders (SCBA).

Wall mounted filter panel options

8025 (25 CFM), 8050 (50 CFM) and 8100 (100 CFM)

The 25, 50 or 100 CFM panels filter out dangerous toxins from supplied air sources and ensure clean, breathable air. The three-stage filter system efficiently removes particulates, oil vapors, and hydrocarbons



RAM 741

Technical Data

Cases

Carbon monoxide and organic vapors

Detection range

CO (0) 2 to 50 ppm

Detection principle (sensor)

MOS broad range

Display

LEDs

Expected sensor life

3 to 5 years

Adjustable alarm point

No user adjustable alarms

Alarms

Visual – LEDs
Audible – horn

Air line input

Standard pressure 70 to 150 psi
1/2" FPT – 50 to 100 CFM panels (wall mount)
3/8" FPT – 25 CFM panels (wall mount)

Available contacts and ratings

12 V DC alarm contact relay

Sample flow rate

0.8 cubic feet of air per hour (scfh)

Power source

110 V AC or 12 V DC

Temperature range

32 to +105 °F (0 to +40 °C)

Dimensions

5.75 x 1.5 x 2.5 inches (LxWxH)
(146 x 38 x 64 mm)

Available models

8025-741 Wall mounted 25 CFM panel (2 ports) with RAM 741 monitor
8050-741 Wall mounted 50 CFM panel (4 ports) with RAM 741 monitor
8100-741 Wall mounted 50 CFM panel (8 ports) with RAM 741 monitor
Contact GfG for portable options.

Specifications subject to change without notification

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