

**Ribble Enviro**  
*...everything gas detection*

# Data Sheet

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# Single-Zone Refrigerant Monitor

Precision Monitoring for Low-Level Refrigerant Leak Detection



Bacharach's Single-Zone gas library contains 65+ refrigerants including CFCs, HFCs, HCFCs, HFOs, and natural refrigerants.

Easy to use interface with LED traffic light notifications

Proprietary infrared (NDIR) sensor accurately detects the presence of a target gas down to an industry-leading 1 ppm Minimum Detection Level (MDL)

Backlit display shows real-time concentration readings

## DETECTS GASES DOWN TO 1 PPM FOR EARLY WARNING LEAK DETECTION

MSA Bacharach's Single-Zone refrigerant monitors provides precise measurements enabling early warning, continuous leak detection for compliance with refrigeration safety codes (ASHRAE 15/34 and CSA-B52) and emissions reduction standards (EPA 608/CARB and F-Gas).

- Proprietary infrared (NDIR) sensor accurately detects the presence of a target gas down to an industry-leading 1 ppm Minimum Detection Level (MDL)
- Sensor is not prone to false alarms caused by cross-interference from other gases or sudden changes in temperature or humidity
- Gas library contains 65+ refrigerants, including CFCs, HFCs, HCFCs, HFOs and natural refrigerants (R-744, R-717)
- Backlit display shows real-time concentration readings and makes configuration and self-diagnostics intuitive
- Capable of monitoring up to 3 sample points with tubing splitters.
- Three user-configurable relays (leak, spill and evacuate) may be used to activate external beacons / sounders, ventilation or other countermeasures
- One dedicated fault relay

### Specifications

Sensor Channels	1
Sensitivity / Minimum Detection Level	Refrigerants: 1 ppm, Ammonia: 10 ppm, CO <sub>2</sub> : 10 ppm
Enclosure Rating	General Purpose
Sampling Distance	0-500 ft. (0-152 m)
Analog Communications	4 to 20 mA
Buzzer	80 dB @ 10 cm
Product Dimensions (L x W x H)	13.7" x 7.7" x 3.6" (350 mm x 195 mm x 95 mm)
Product Weight	7 lbs. (3.2 kg)
Sensor Type	NDIR
Power	100-240V AC, 50 / 60 Hz Input
Expected Sensor Service Life	10 Years
Supports/Enables Compliance with Industry Codes & Regulations	CARB RMP, F-Gas Regulation
Product Performance Approvals	CE, UL, CSA, EN 61010-1, EN 61326
Warranty	2 Years

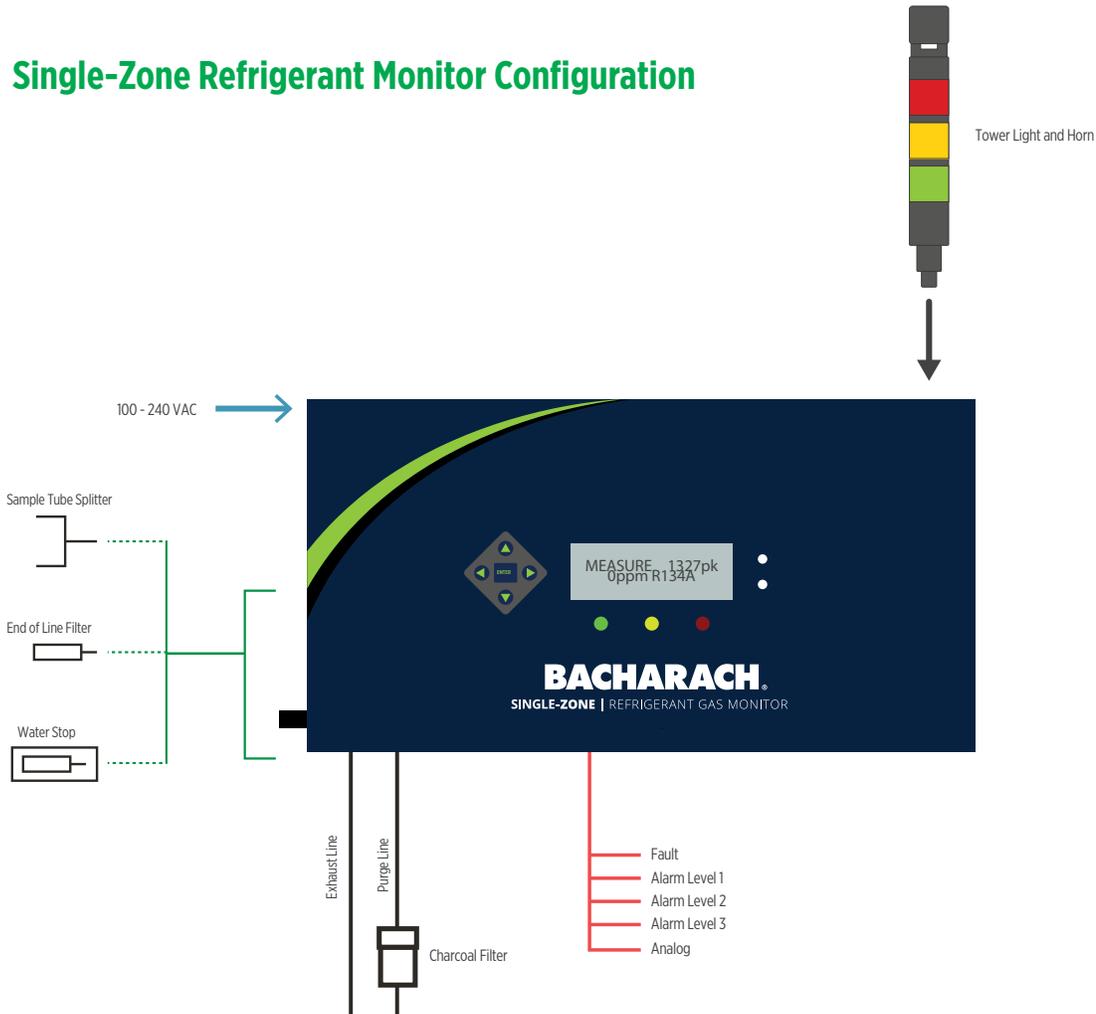


### More Information:

Scan the QR code to learn more about the Single-Zone and other Bacharach products.

**SAFEGUARDING PEOPLE, PLACES & THE PLANET.**

## Single-Zone Refrigerant Monitor Configuration



## Single-Zone Refrigerant Monitor Part Numbers

GAS	ZONES
HALOGEN	H3015-4200
R-717 (AMMONIA, NH3)	H3015-4280
R-744 (CARBON DIOXIDE, CO2)	H3015-4601

Other gas monitoring units are available, contact us to find out more:

- Carbon Monoxide: 50 PPM detection limit

Note: This Bulletin contains only a general description of the products shown. While product uses and performance capabilities are generally described, the products shall not, under any circumstances, be used by untrained or unqualified individuals. The products shall not be used until the product instructions/user manual, which contains detailed information concerning the proper use and care of the products, including any warnings or cautions, have been thoroughly read and understood. Specifications are subject to change without prior notice. MSA is a registered trademark of MSA Technology, LLC in the US, Europe, and other Countries. For all other trademarks visit <https://us.msasafety.com/Trademarks>.

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