PRODUCT SELECTION GUIDE

	MGS-410	MGS-450	MGS-460
IP41-RATED ENCLOSURE (PROTECTED AGAINST SOLID OBJECTS & SPLASHED WATER)		✓	
IP66-RATED ENCLOSURE (PROTECTED FROM DUST AND HIGH PRESSURE WATER JETS)	✓	✓	✓
DIGITAL COMMUNICATIONS (MODBUS COMMUNICATIONS TO BMS / BAS)	✓	✓	✓
ANALOG COMMUNICATIONS		✓	✓
3×RELAYS (CORRESPONDING TO LOW ALARM, HIGH ALARM AND FAULT)		✓	✓
REMOTE SENSOR			✓

EXAMPLE: MACHINERY ROOM CONFIGURATION

MGS-410

EXTERNAL HORN/STROBE

MGS-450

MGS-410

MGS-408 WITH EXTERNAL HORN/STROBE
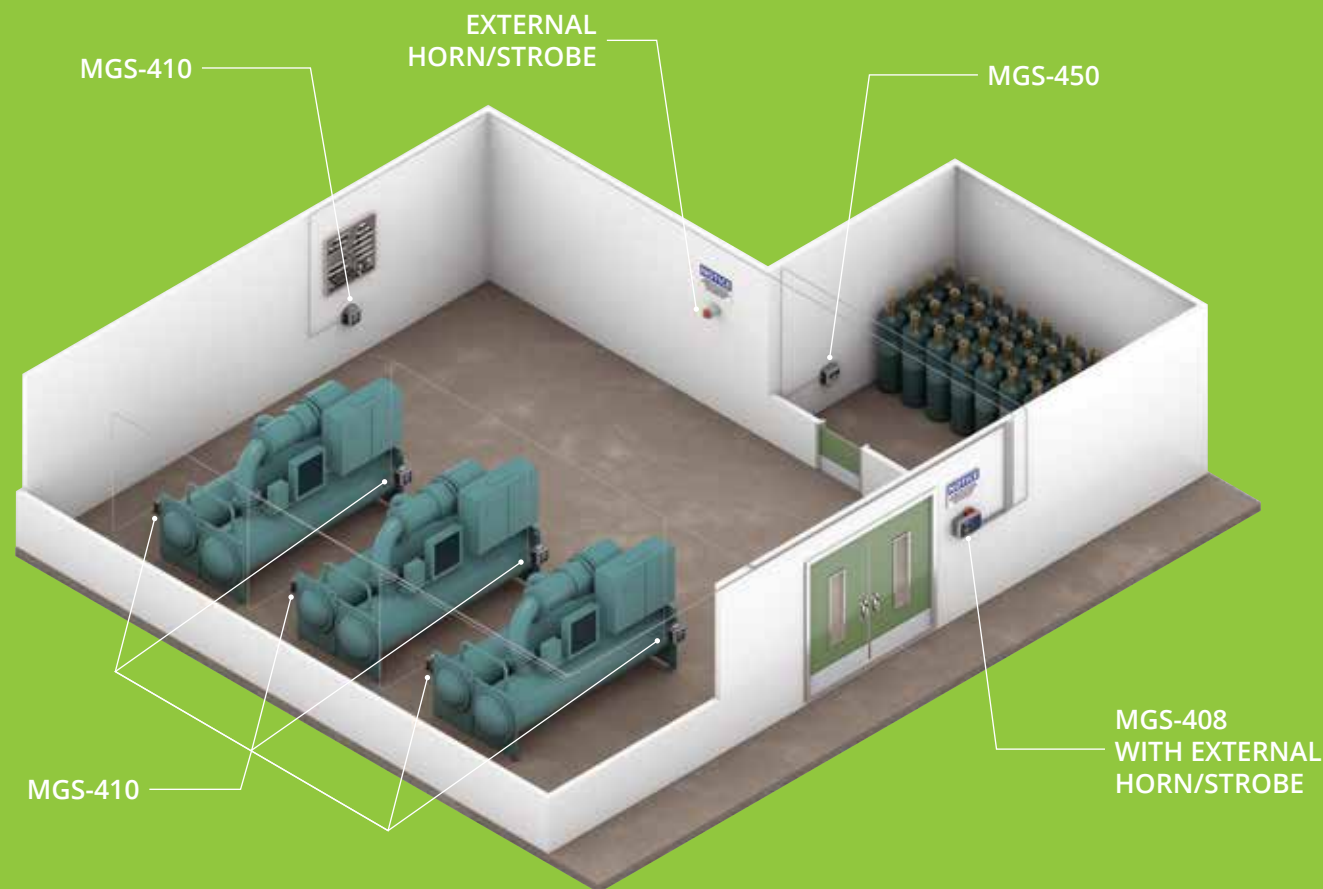
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MGS-400 GAS DETECTION SERIES
for commercial and industrial applications

INTUITIVE REFRIGERANT SAFETY COMPLIANCE

- MEETS SAFETY & COMPLIANCE REQUIREMENTS
- EASY TO USE & MAINTAIN
- SAVE TIME & MONEY

BACHARACH®

THE MEASURABLE DIFFERENCE

REFRIGERATION SAFETY COMPLIANCE
has never been more intuitive.

Bacharach offers innovative solutions designed for extreme temperature refrigeration environments, for early leak detection with minimum detectable levels from 1 ppm and a range of instruments for use in compliance and safety applications.

Machinery Rooms

Walk-in Freezers & Cold Rooms

Industrial Cold Storage

Chiller Rooms

MULTIPLE CABLE GLAND ENTRIES

AUDIO-VISUAL ALARMS

BACHARACH.
MGS-450 | GAS DETECTOR

FLUSH-MOUNTED SENSORS

OPTIONAL IP41 OR IP66-RATED PROTECTION

All Gas Detectors Include:

INTEGRATED AUDIO-VISUAL ALARMS

MULTIPLE CABLE GLANDS

EASY TO WIRE

LOW TEMPERATURE PERFORMANCE

REFRIGERANT-SPECIFIC SENSORS

MGS-450 Gas Detector

- Integrated audio & visual alarms comply with safety regulations — no additional hardware
- Maintains performance in temperatures as cold as -40° F (-40° C)
- IP41 and IP66 rated ABS enclosures available
- Three relays, fully configurable, correspond to alarm thresholds (Hight / Low) and fault status
- Modbus RTU interface, analog, BMS / BAS connectivity

MGS-460 Gas Detector

- Integrated audio & visual alarms comply with safety regulations — no additional hardware
- Maintains performance in temperatures as cold as -40° F (-40° C)
- Remote sensor for monitoring for leaks in inaccessible areas
- Three relays, fully configurable, correspond to alarm thresholds (Hight / Low) and fault status
- Modbus RTU interface, analog, BMS / BAS connectivity

MGS-410 Gas Detector

- Integrated audio & visual alarms comply with safety regulations — no additional hardware
- Maintains performance in temperatures as cold as -40° F (-40° C)
- Modbus RTU interface, BMS / BAS connectivity

MGS-408 Controller

- Capable of powering up-to 8 gas detectors
- Displays real time data (status / gas measurement) from connected instruments
- Retains alarm & status history of connected gas detectors
- Modbus RTU interface, analog, BMS / BAS connectivity

MGS-400 APP

The Bacharach MGS-400 App allows users to configure, maintain and interface with compatible MGS-400 gas detectors. Once a Bluetooth connection has been established, the app replaces the need for specialty training / tools and makes compliance with safety standards (ASHRAE 15, EN 378) easy and effective.

FEATURES & CAPABILITIES:

- Configuration (Rename device, define alarm thresholds, adjust Modbus settings, configure relay behavior and manage analog output settings.)
- Maintenance (Test LED / buzzer function, relays and analog output level.)
- Calibration (View sensor type, serial number and "Calibration Due" timer and initiate zero / span calibrations with customizable field calibration certificate.)
- Intuitive Interface (View current gas measurement and acknowledge alarm / fault status.)

Available on the App Store and Google Play