



# MGS-550 Duct Mount Kit

## Installation Guide

P/N: 1100-1031

August 2016

Revision 0

## MGS-550 DUCT MOUNT KIT



Normal  
Operation



Maintenance  
Position

- ① Duct Grommet for 2.5" (64 mm) Duct Hole
- ② Backplate Mounting Screws
- ③ 0.5" (13 mm) Mounting Straps for Round Ducts (Not Included)
- ④ Backplate Slide Screws



**CAUTION**

Any installation of the Duct Mount Kit requires full understanding, knowledge and strict observance of the Bacharach User Manual (part number 1100-1000).

### 1 Intended Use

The Duct Mount Kit (part number 6600-8960) is required for mounting the Bacharach MGS-550 to a duct, if concentrations are to be monitored in ducts.

Round ducts must have a diameter of at least 4" (100 mm). Flat ducts must have a mounting area of at least 6.7" x 6.7" (170 x 170 mm). The required head space for calibration is a minimum of 4" (100 mm) for sliding up the instrument.

## 2 Mounting



### CAUTION

Targeted duct work **must not** be in operation during the Installation of the Duct Mount Kit.



### NOTICE

All components listed (brackets, grommet, screws) are included in the Duct Mount Kit. The straps required for attaching the kit to a round duct, or screws to attach the kit to a flat duct are not included.

Step	Mounting Instructions
a	Drill a hole at the point of measurement with a diameter of 2.5" (64 mm).
b	Attach the grommet (❶) in the hole.
c	Mount the instrument onto the sliding back plate using two screws (❷). During this process the sensor must point toward the duct.
d	Remove the splash guard / calibration adapter from the sensing head. Retain for future calibration procedure.
e	Align the center of the opening of the pre-assembled Duct Mount Kit with the hole in the duct. <ul style="list-style-type: none"> <li>For round ducts, use 0.5" (13 mm) wide straps (❸; not included) to attach the kit onto the duct.</li> <li>For flat ducts, screw base plate to the duct.</li> </ul>

## 3 Electrical Connection

Complete the electrical connection and assembly of the instrument in accordance with the Installation Guide (part number 1100-0999) or User Manual (part number 1100-1000).

## 4 Moving the Instrument into the Maintenance Position

Step	Moving the Instrument into the Maintenance Position
a	Loosen the 2 screws on the side of the back plate (❹).
b	Slide the instrument up and out of the grommet.
c	Secure position by tightening the screws.
d	Perform maintenance or calibration (using the splash guard / calibration adapter from step d of Section 2 above).
e	Reverse these steps to return the MGS-550 to measurement.