



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"> For round ducts, use 0.5" (13 mm) wide straps (❸; not included) to attach the kit onto the duct. For flat ducts, screw base plate to the duct.

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.