

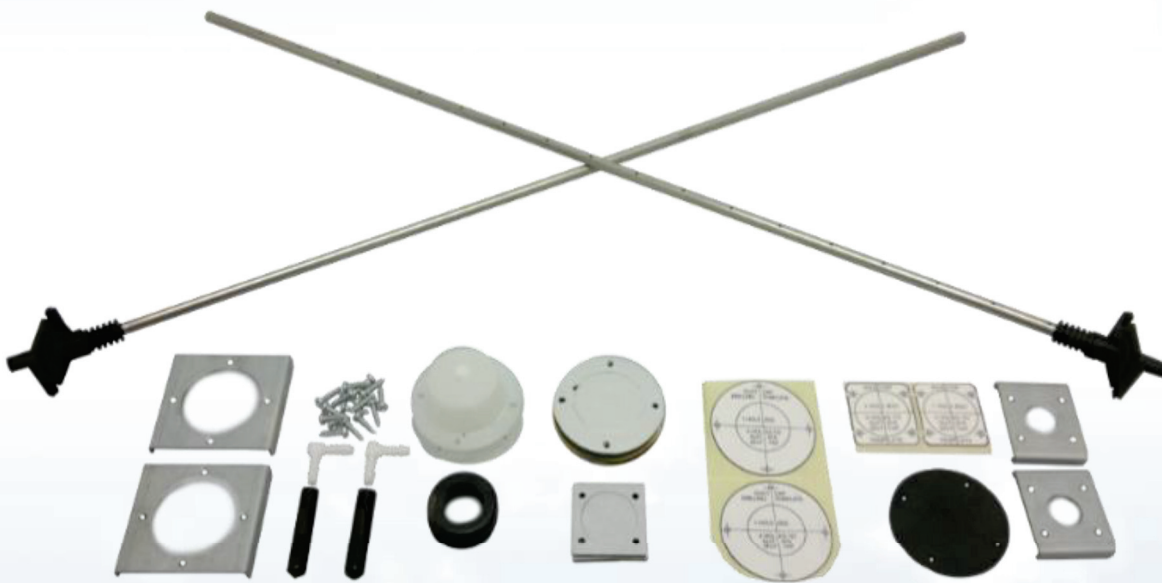


Sensing Precision

Air Measurement Specialists

Product Datasheet

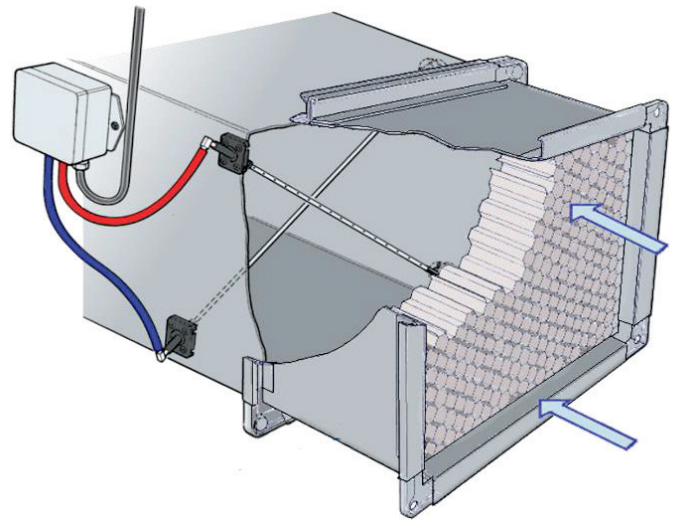
MX & UX Flowgrids



Overview

MX and UX Flowgrids are an economic way to give useful and reliable readings in a wide variety of 'in duct' locations. They are an ideal solution for where other flow rate measuring devices are found to be unsatisfactory or difficult to install.

They consist of two tubes mounted diagonally through the cross section of the duct and are easy to install and maintain. In the case of the MX flowgrids, the holes in one of the measuring tubes face upstream, while the holes in the second tube face downstream. The MX grid generates an enhanced or "magnified" differential pressure signal.



In the case of the UX flowgrids, the tubes are positioned in the duct in a similar way but with the static holes positioned in such a way as to yield a magnification factor close to 1.

Both the MX and UX flowgrids generate a differential pressure signal that directly relates to volume flow.

Flow is sensed across two planes of measurement as opposed to the whole duct area hence it is not as accurate as the Wilson or ECO Flow Grids. Measurements will however be 100% repeatable given the same duct flow conditions.

Applications

- In Duct Air Velocity Measurement
- In Duct Air Volume Flow Measurement

Features

- 8mm Dia Tube (MX8)
- 16mm Dia Tube (MX16)
- Fixed Length Allows On-Site Modification to suit Duct Size.
- Economical Alternative to Wilson Flowgrids.
- Quick & Easy to Install.
- Suitable for Most Duct Locations.

Specifications

Sizes

8mm Ø – Up to 715 Diagonal & 680mm Diameter
16mm Ø – Up to 1534mm Diagonal & 1510 Diameter

Uncertainty of Flow Measurement

Using standard performance curves ± 15.0
Calibrating on site $\pm 5\%$ to $\pm 10\%$ dependent upon installation

Magnification Factor

MX – Grid: 1.8
UX - Grid: Appx: 1

Variations

Standard, High Temperature

Temperature Range

Standard: 80°C Max

Materials

Stainless steel grade BS3605 321 S18 tube supplied as standard, PVC,
Polyurethane, Acetal plastics & neoprene rubber

Special Systems

Bespoke systems manufactured to meet customer requirements:
i.e high temperature applications.

**We represent this supplier.
For more information contact
Observator Instruments:**

**T: +31 (0)180 463411
E: info@observator.com**

Rietdekkerstraat 6
2984 BM Ridderkerk
The Netherlands

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