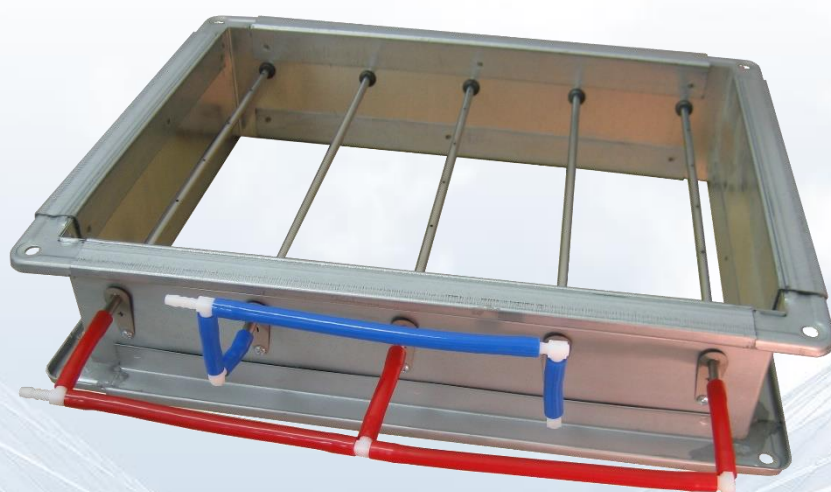
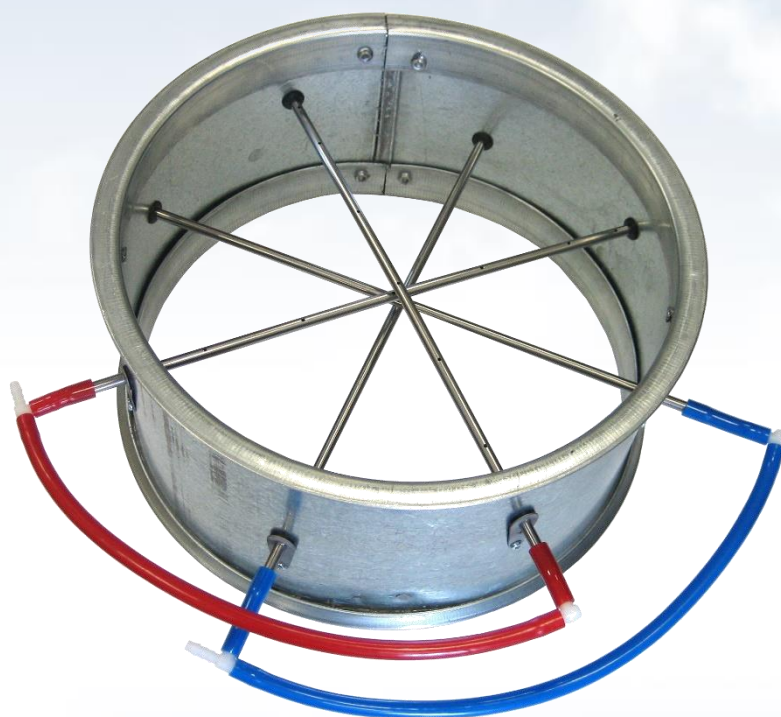




**Sensing  
Precision**  
Air Measurement Specialists

## Product Datasheet Eco Flow Probes



## Overview

Eco Flow Probes are primarily used in pairs as an economic way to monitor or measure airflow within HVAC ductwork systems where other flow rate measuring devices are found to be unsatisfactory, difficult to install or exceed the budget.

Eco Flow Probes consist of one or more pairs of tubes mounted through the cross section of the duct and are easy to install and maintain. The holes in one of the tubes face upstream, while the holes in the second tube face downstream. The probes generate an average signal for both the total and sub-static pressures along the length of each probe which in turn generate an enhanced or “magnified” differential pressure signal.

More accuracy is gained from using a greater number of Eco Flow Probe pairs to make up a grid similar in construction to the Wilson Flow Grid arrangement. Such arrangements could be used for applications sitting between the UX/MX and Wilson Flow Grids. Such arrangements would require calibrating on site.



## Applications

- In Duct Air Velocity Measurement where budget is more important than accuracy.
- In Duct Air Volume Flow Measurement where budget is more important than accuracy.

## Features

- Ideal for Measuring Total & Sub-Static Pressure.
- Directional Tab for Easy Hole Location.
- Quick & Easy to Install.
- Suitable for Most Duct Locations.

## Specifications

|                                 |  |
|---------------------------------|--|
| Sizes                           | 100mm, 150mm, 200mm, 250mm, 300mm, 400mm, & 500mm  |
| Uncertainty of Flow Measurement | Dependent upon the installed arrangement.<br>Typically, between $\pm 5.0\%$ and $\pm 15\%$                           |
| Magnification Factor            | Approx. 2  |
| Temperature                     | 80°C Max   |
| Materials                       | Stainless steel grade BS3605 321 S18 tube supplied as standard. PVC, polyurethane, Acetal plastics & Neoprene rubber |

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