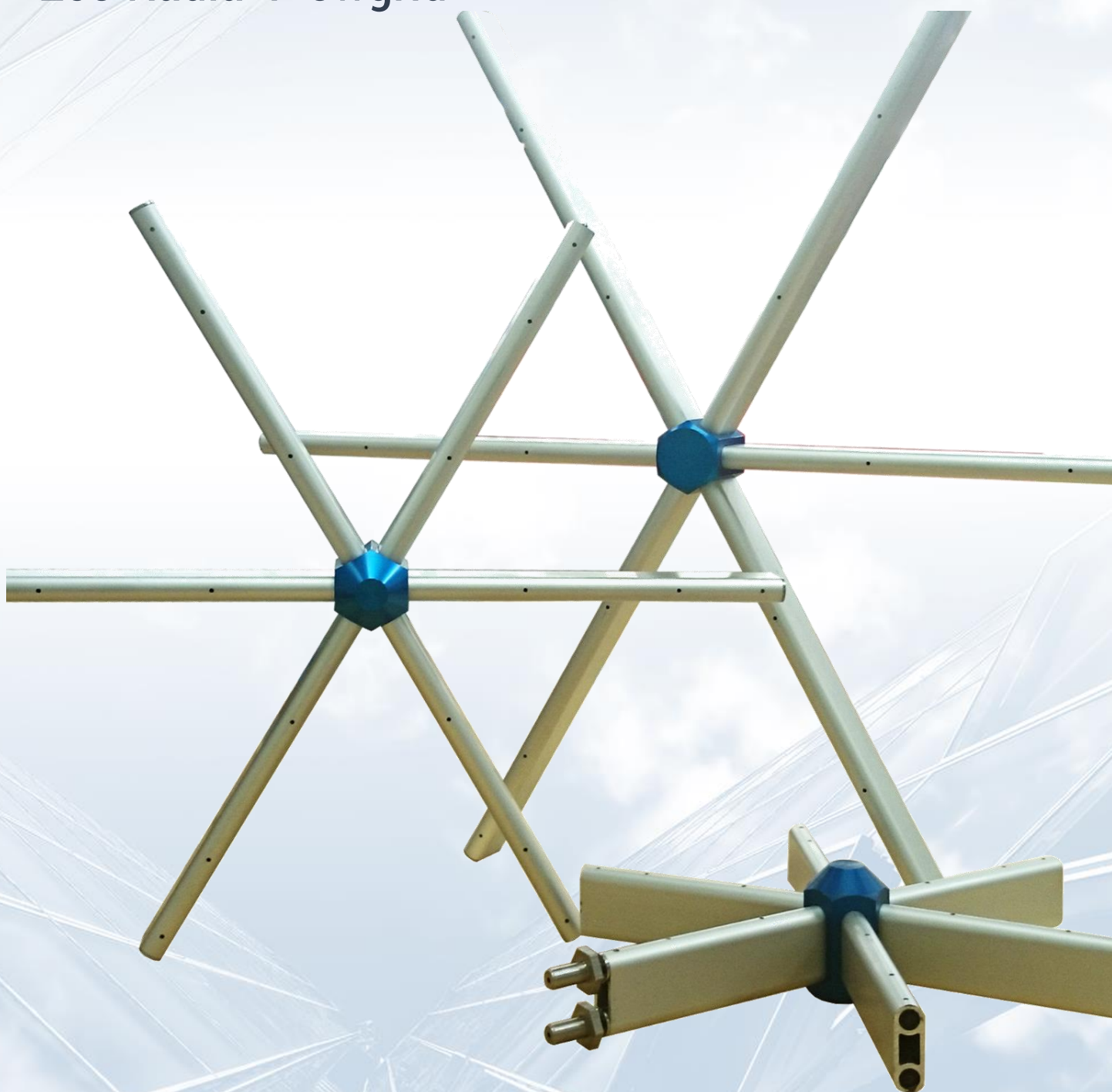




**Sensing
Precision**
Air Measurement Specialists

Product Datasheet Eco Radial Flowgrid



Overview

The Eco Radial Flowgrid is a fully Aluminium Flowgrid. It is comprised of six, equally spaced, extruded oval tubes. Each tube projects from a central hub and contains two cores with logarithmically spaced pressure sensing holes for maximum accuracy.

One set of holes faces upstream and the other set downstream. The signal generated is an average signal for both the total and sub-static pressures. These signals in turn generate an enhanced “magnified” differential pressure signal that directly relates to the air volume flow within the duct. The pressure sensing holes are spaced logarithmically for maximum accuracy.



The Eco Radial Flowgrid can be supplied in duct and with or without an aluminium flow straightener. The fully aluminium construction makes the Eco Radial Flowgrid a very economically priced product without compromising on the quality or accuracy. Although not offering quite the same level of accuracy as the Wilson Radial Flow Grid the Eco Radial is ideal for secondary and some primary volume flow control systems.

Applications

- In Duct Air Velocity Measurement
- In Duct Air Volume Flow Measurement
- BMS Control Systems

Features

- Lightweight Construction
- Anodised Aluminium with Stainless Steel & Glass Filled Nylon Inserts
- Log Linear Positioning of the Pressure Sensing Holes
- Provides Minimal Blockage Rates
- Virtually Maintenance Free

Specifications

Standards	EN ISO 3966:2008
Sizes	Standard sizes: 150, 160, 200, 250, 315, 400 & 560 mm Ø Specific sizes available between 150mm and 600mm Ø
Uncertainty of Flow Measurement	±5.0 % From derived curve
Temperature Range	80°C Max
Materials	Anodised Aluminium, Stainless Steel & Glass Filled Nylon Inserts
Available Extras	Ducting, Flanges, Scaled Transmitter, Flow straighteners

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