


**Description:**

The Model 36FMI Flow Measuring Station is a multi-point averaging airflow sensor. It has been designed to provide accurate sensing by sampling air velocities in the four quadrants of a round duct. The differential pressure flow sensor provides an averaged reading at an amplification of approximately 2.5 times the velocity pressure, dependent upon nominal size.

**Features:**

- Available to suit nominal round ductwork sizes from 4" (102) to 18" (457) diameter.
- All metal construction - no combustible materials in the air stream.
- Amplifies velocity pressure approximately 2.5 times to give a wide range of useful output signal vs. flow.
- Compact size allows easy installation in existing ductwork.
- Sensor design minimizes pressure drop and regenerated noise.
- Label provided on each unit gives airflow vs. signal differential pressure for direct reading of airflow.
- Multi-point sensing gives an accurate output signal with a maximum deviation of only  $\pm 5\%$  with a hard 90 degree elbow, provided a straight inlet condition with a minimum length of two equivalent duct diameters is provided.

**Specifications:**

Materials: Sensor – aluminum.

Body – galvanized steel.

Media: Air or other common inert gases.

Standard Tubing: 1/4" (6.35) O.D. x 0.04" (1.0) wall FR tubing (by others).

Recommended Application Range: 300 to 3000 fpm.

Available Sizes: 4", 5", 6", 7", 8", 9", 10", 12", 14", 16", and 18" (102, 127, 152, 178, 203, 229, 254, 305, 356, 406 and 457) (to suit nominal round ductwork).

**Options:**

- Special Features.

Specify: \_\_\_\_\_

**SCHEDULE TYPE:**
**PROJECT:**
**ENGINEER:**
**CONTRACTOR:**

Dimensions are in inches (mm)

**DATE**
**B SERIES**
**SUPERSEDES**
**DRAWING NO.**

3 - 30 - 17

3600

7 - 23 - 03

36FMI-1