FXP AIR VELOCITY SENSOR

FXP SERIES

DESCRIPTION

The **FXP Series** probe is a differential air pressure device designed to measure air velocities in a duct. It includes multiple sensing points to measure total and static pressures. The **FXP Series** incorporates a unique design to amplify the differential pressure by approximately 2.5 times for accurate measurement of lower air velocities down to 200 fpm. It is easy to install and cost effective.

FEATURES

- ***Multiple sensing points for greater accuracy***
- ***Easy installation***
- ***Chamfered sensing points for consistent readings***
- ***2% accuracy***
- ***2.5X signal amplification***
- ***Accepts 1/4" OD tubing***

INSTALLATION

Check that the FXP probe size corresponds with the duct or terminal where it is installed.

The FXP probe is mounted in the duct by drilling a 1" diameter hole.

Check that the air flow direction in the duct corresponds with the arrow on the FXP probe.

For round ducts, install the FXP probe diagonally in the duct for best results. This equalizes both horizontal and vertical irregular air approach.

SIZING THE PRESSURE TRANSMITTER

- CFM - Cubic feet per minute (customer furnished)
- A - Area square feet (customer furnished)
- V - Velocity feet per minute (customer furnished)
- ΔP - Differential pressure in WC"

Use formula B to calculate the ΔP for transmitter

$$V(FPM) = \frac{CFM}{A}$$

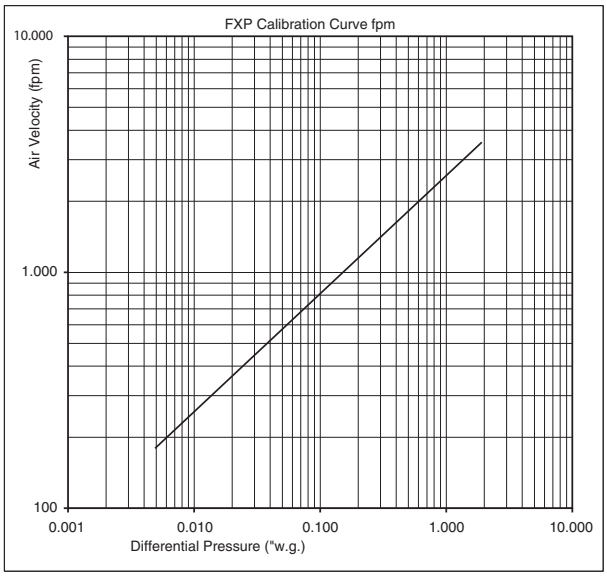
Formula A

$$\Delta P = \left[\frac{V}{Kv}\right]^2$$

Formula B

FXP Calibration Chart					
Size	**Kv**	**Size**	**Kv**	**Size**	**Kv**
4"	2225	**7"**	2450	**12"**	2500
5"	2325	**8"**	2480	**14"**	2525
6"	2400	**10"**	2440	**16"**	2550
18" and up			2550		

PERFORMANCE CHART



ORDERING INFORMATION

MODEL	DESCRIPTION	
FXP	FXP air velocity sensor	
	WIDTH	
	XX	Duct width (up to 48")

RELATED PRODUCTS

M30/40, T30/T40	**Modus differential pressure transmitter**
M264	**Setra differential pressure transmitter**
XLdp	**Ashcroft differential pressure transmitter**