Series 160 Stainless Steel Pitot Tubes

ASME Design Meets AMCA and ASHRAE Codes

Ideal for use with our precision manometers and air velocity gages, Dwyer® Pitot Tubes are constructed from corrosion resistant stainless steel for a lifetime of service. ASME design meets AMCA and ASHRAE specifications for maximum accuracy over a wide variety of flow conditions. No correction factors are necessary as ASHRAE tip design yields a calibration factor of 1. ASHRAE design needs no calibration! Permanent, stamped insertion depth graduations on sides of 160 series facilitate accurate positioning, Static pressure port is parallel to sensing tube allowing quick, easy alignment of tube with air flow. Low sensitivity to misalignment gives accurate reading even when tube is misaligned up to 15 degrees. Various standard sizes are available for use in ducts as small as 4" dia., or as large as 36 ft dia. A universal model fits users 3/4" schedule 40 pipe, 3/4" to 1/2" reducing bushing and 1/4" metal tubing. No calibration needed. Several convenient mounting options are available for permanent installations.

• No calibration needed
• Precisely located, burn-free static pressure holes
• Hemispherical tip design, best for accuracy if imperfectly aligned and nearly impossible
• No calibration needed
• Coefficient of "1"
• British Standard 1042
• ANSI/AMCA 210-99
• ANSI/ASHRAE 51-1999
• Extended static connection helps guide tip within recommended 15° of air flow direction
• Inch graduations on sides of 160 Series to quickly determine exact insertion depth
• Dwyer® Air Velocity Calculator, direct reading flow charts and instructions included
• Coefficient of "1"
• Standard 5/16˝ Diameter
• A-158 Flange Mounting Plate 1/2˝ female NPT

Series 160 is designed to meet:
• ASME "Fluid Meters" 6th Ed.
• ANSI/AMCA 210-99
• ANSI/ASHRAE 51-1999
• British Standard 1042

ACCESSORIES


No. A-159 Mounting Gland — Versatile adapter slips on any Series 160, 5/16” standard Pitot tube made after Dec. 1990. Two-part stainless steel fitting slides over tube and provides permanent, secure mounting. Where duct interior is accessible, use the washers and jam nut supplied. For blind applications or in thicker materials, use model A-156 flange mounting plate. Once tube is adjusted to proper depth and angle, tighten smaller hex bushing to lock position. Graphite bushing inside assures leak-proof seal even at higher temperatures. TFE bushing also available. Note: For full insertion with this fitting, order next longer Pitot tube.

A-159 Mounting Gland is used for both duct mounting and flange mounting. To flange mount, the A-159 must be used with the A-156 flange mounting plate.

No. A-397 Step Drill. For fast, convenient installation of Pitot tubes in sheet metal ducts. No center punch needed; automatic de-burring. Drills six sizes from 3/16"-1/2" in 1/16" increments.

ACCESSORIES & OPTIONS

A-156, Flange Mounting Plate 1/2" female NPT
A-158, Split Flange
A-159, Mounting Gland
A-397, Step Drill
1/8" male NPT compression fitting, mounting option for Series 166/167. Add -CF suffix (166-8-CF).

*Universal model for permanent installation and connection to metal tubing. Make any length Pitot tube with 3/4" schedule 40 pipe, 3/4" to 1/2" reducing bushing and 1/4" metal tubing.