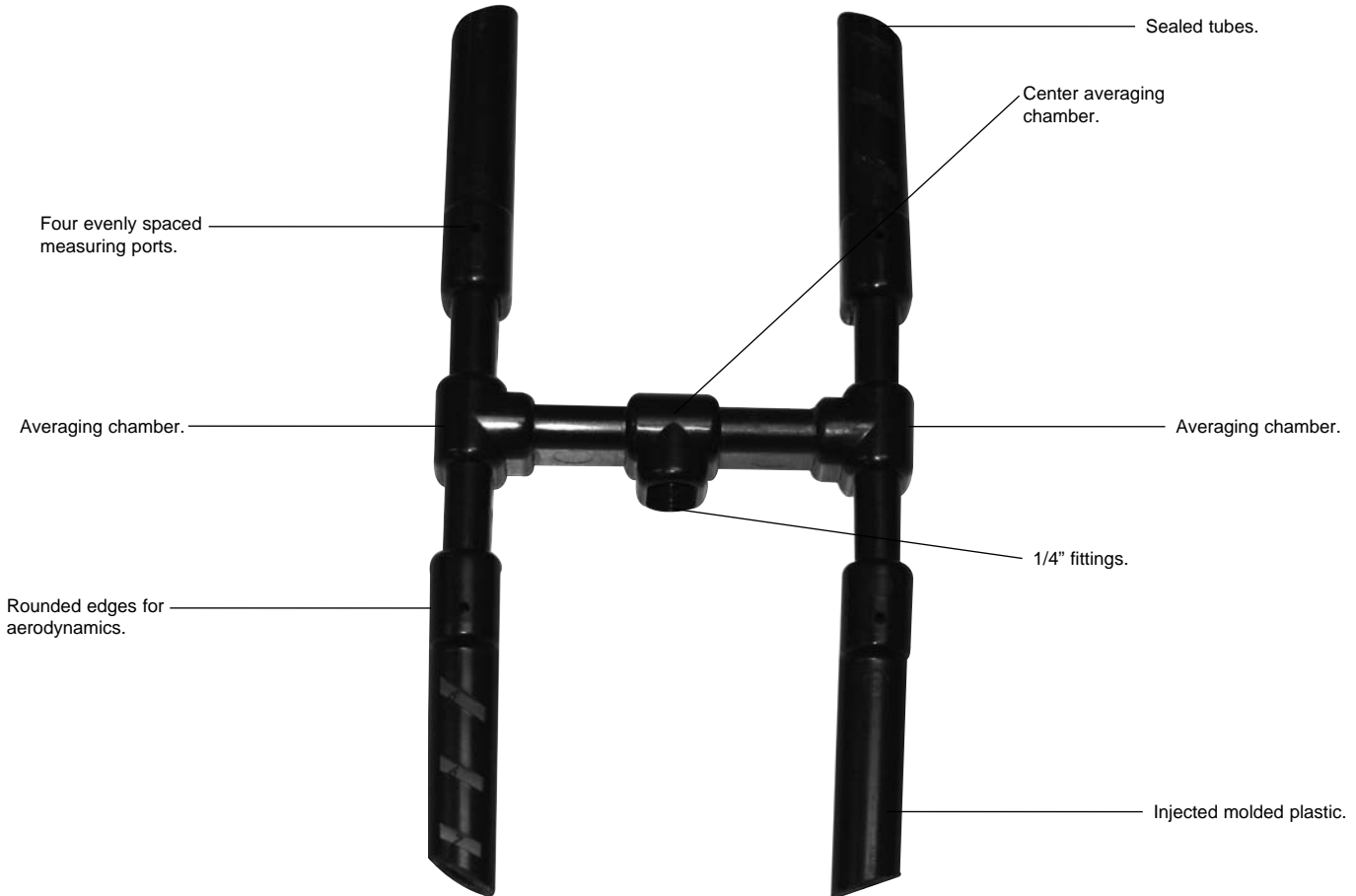


Imperial [IP] Dimensions
Metric (SI) in Parentheses

CARNES COMPANY 448 S. Main St., P. O. Box 930040, Verona, WI 53593-0040 Phone: (608)845-6411 Fax: (608)845-6504 www.carnes.com



Accuracy

The Tri-Averaging Flow Sensor has an accuracy of $\pm 3\%$ in the .25-1.00" wg. range while maintaining an accuracy of $\pm 5\%$ in the entire operating range regardless of duct conditions.

Controller Output

Many controllers on the market today require at least 0.03" wg. to function properly. The revolutionary Tri-Averaging Flow Sensor will provide this signal at approximately 450 FPM. In addition, the amplification factor that is produced ranges up to 3.2.

Suggested Specifications

Differential pressure sensor shall be "H" shaped multi-point center averaging type. Single axis sensors shall not be acceptable. A sensor that delivers the differential signal from only one end of the sensor shall not be acceptable. A minimum of four total pressure sensing points shall be available. The sensor shall have an output factor of at least 2.0 times the equivalent velocity pressure signal obtained from a typical pitot tube. The sensor shall develop a differential pressure signal of 0.03" wg. at a velocity of ≤ 450 FPM. Balancing taps and a calibration chart shall be provided on each unit.