

TABLE E
Velocity Ranges, feet per minute

Pressure Code ⁽¹⁾	Pressure Range	Velocity Range	Displayed Units ⁽²⁾	Resolution	Maximum Overpressure
capacitance cell					
01F	0-0.1 in. H ₂ O	90 - 1266 fpm	1.27	10 fpm	5.0 in. H ₂ O
02F	0-0.2 in. H ₂ O	125 - 1791 fpm	1.80	10 fpm	5.0 in. H ₂ O
04F	0-0.5 in. H ₂ O	200 - 2832 fpm	2.83	10 fpm	5.0 in. H ₂ O
05F	0-1.0 in. H ₂ O	280 - 4005 fpm	4.00	10 fpm	20.0 in. H ₂ O
06F	0-2.0 in. H ₂ O	400 - 5664 fpm	5.66	10 fpm	20.0 in. H ₂ O
08F	0-5.0 in. H ₂ O	4625 - 8955 fpm	8.96	10 fpm	50.0 in. H ₂ O
09F	0-10.0 in. H ₂ O	885 - 12665 fpm	12.7	100 fpm	50.0 in. H ₂ O
**F	Contact factory for other pressure or velocity ranges, displayed units and resolution				

1. Use this code when ordering.

2. The velocities are accurate for dry air at standard conditions (air density of 0.075 lb/ft³, barometric pressure of 29.92 inches of mercury and temperature of 70°F). It is also assumed that standard pitot tubes similar to those described in the accessory bulletin are used. The velocities are derived from the following formula:

$$V = 4005 \sqrt{H_v} \quad \text{Where: } V \text{ is air velocity in feet per minute}$$

$$H_v \text{ is velocity pressure in inches of water}$$

Velocity Ranges, meters per second

Pressure Code ⁽¹⁾	Pressure Range	Velocity Range	Displayed Units ⁽²⁾	Resolution	Maximum Overpressure
capacitance cell					
01V	0-2.5 mm H ₂ O	0.45 - 6.4 m/s	6.50	0.01 m/s	125 mm
02V	0-5.0 mm H ₂ O	0.63-9 m/s	9.00	0.01 m/s	125 mm
04V	0-10.0 mm H ₂ O	0.90 - 13 m/s	13.0	0.1 m/s	125 mm
05V	0-25.0 mm H ₂ O	1.4 - 20 m/s	20.0	0.1 m/s	500 mm
06V	0-50.0 mm H ₂ O	2.0 - 29 m/s	29.0	0.1 m/s	500 mm
08V	0-100 mm H ₂ O	2.8 - 40 m/s	40.0	0.1 m/s	1250 mm
09V	0-250 mm H ₂ O	4.5 - 64 m/s	64.0	0.1 m/s	1250 mm
**V	Contact factory for other pressure or velocity ranges, displayed units and resolution				

1. Use this code when ordering.

2. The velocities are accurate for dry air at standard conditions (air density of 1.201 kg/m³, barometric pressure of 760 mm of mercury and temperature of 21°C). It is also assumed that standard pitot tubes similar to those described in the accessory bulletin are used. The velocities are derived from the following formula:

$$V = 4.037 \sqrt{H_v} \quad \text{Where: } V \text{ is air velocity in meters per second}$$

$$H_v \text{ is velocity pressure in millimeters of water}$$