

# FUME HOOD SIDEWALL VELOCITY SENSOR

P/N 800320

## INSTALLATION INSTRUCTIONS

**NOTE:** This document serves as a guide for the installation of the 800320 Fume Hood Sidewall Velocity Sensor. Please read these instructions thoroughly before beginning installation.

For wiring or other Fume Hood Controller or Monitor setup information, refer to the installation instructions included with that equipment.

### Included Parts

Description	Qty
Sidewall Velocity Sensor Assembly	1
Sidewall Velocity Sensor Cable – 6 ft	1
Mounting Plates	2
Mounting Screws (8-32 x 5/8")	4
Installation Instructions	1

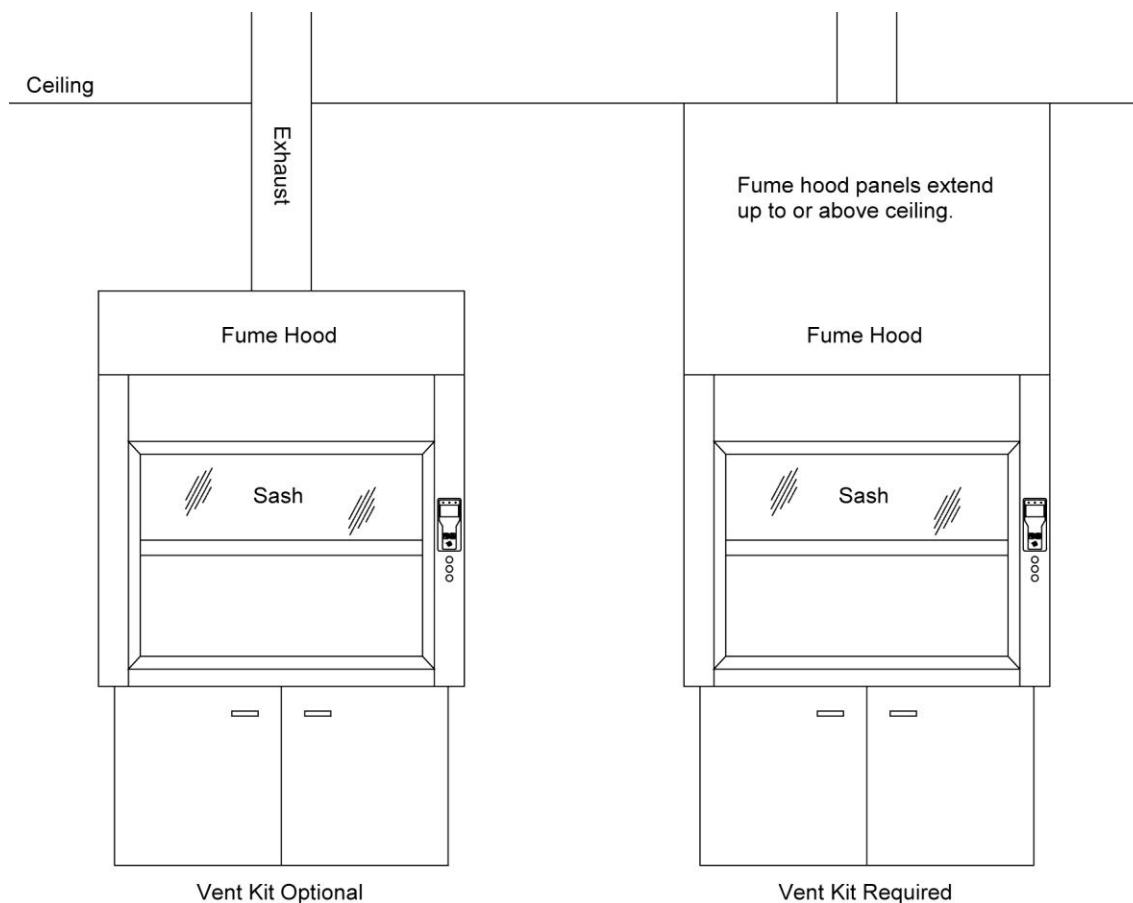


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# Sidewall Velocity Sensor Installation

## Determine If Vent Kit Is Required

The 800320 Sidewall Velocity Sensor must be referenced to room air in order to function properly. If the fume hood panels extend to the ceiling, a TSI Sensor Vent Kit must be installed (Figure 1). Contact TSI for Sensor Vent Kit information. If a vent kit is used follow the installation instructions included with that equipment.



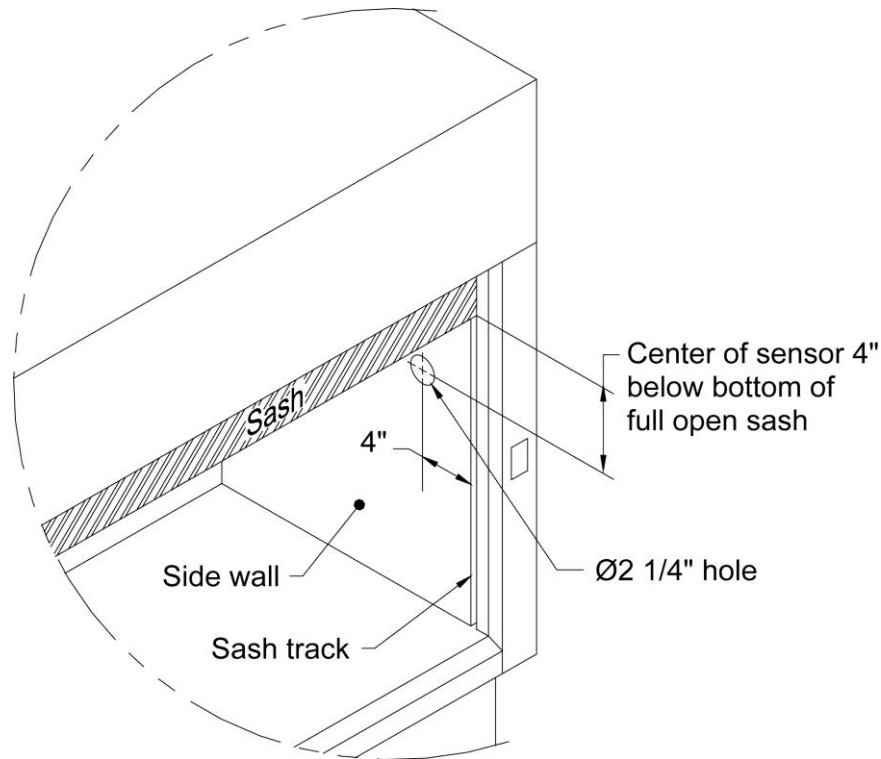
**Figure 1: Check for Vent Kit Requirement**

## Sidewall Velocity Sensor Location and Mounting

**NOTE:** The Sidewall Velocity Sensor and the Controller or Monitor must be mounted on the same side of the fume hood.

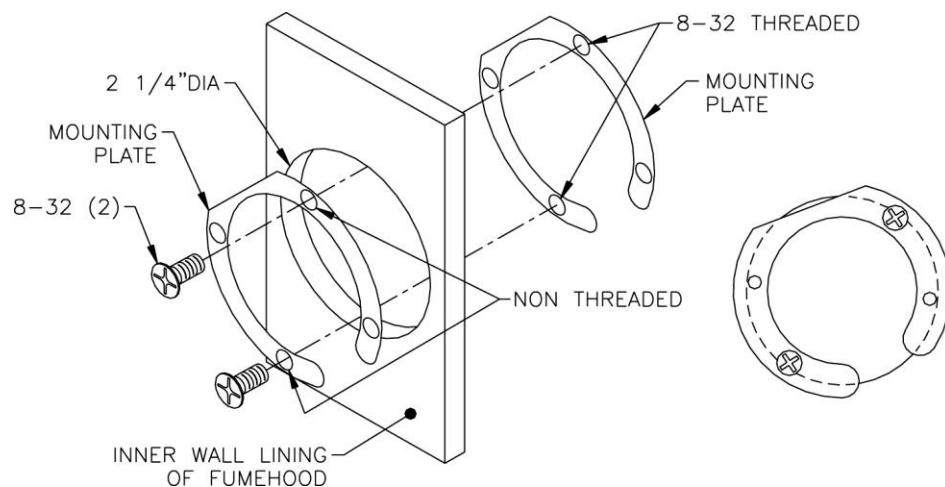
The Sidewall Velocity Sensor is mounted to the inner wall lining of the fume hood.

1. Determine the Sidewall Velocity Sensor Location (Figure 2).
2. Drill a 2¼" hole through the fume hood inner wall lining at this location (Figure 2).



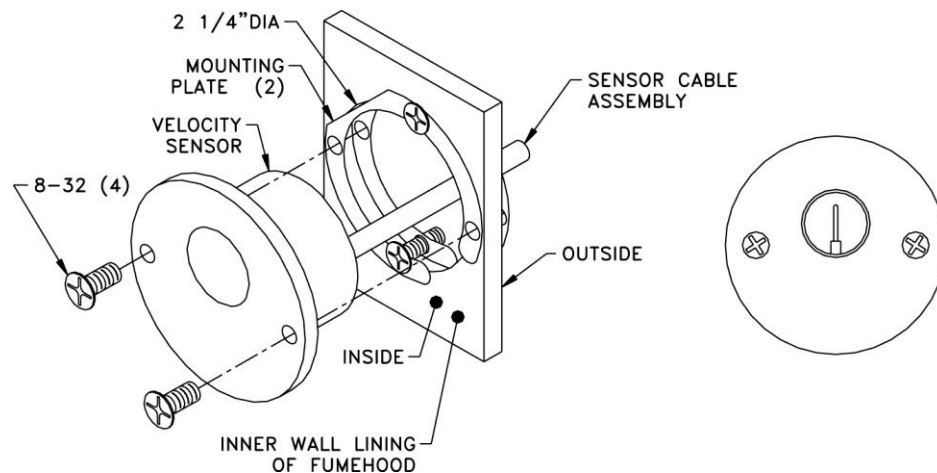
**Figure 2: Sidewall Velocity Sensor Location**

3. Install the Mounting Plates to the fume hood inner wall lining using two of the supplied screws (Figure 3).
4. The Mounting Plates must be installed exactly as shown (Figure 3).



**Figure 3: Install Mounting Plates**

5. Plug the Sensor Cable into the Sidewall Velocity Sensor.
6. Thread the unconnected end of the Sensor Cable through the mounting hole location and over to the Controller or Monitor. Leave at least 8" of slack at the Controller or Monitor end to allow for connection to the Controller or Monitor and mounting adjustment. **DO NOT CUT SENSOR CABLE LENGTH.**
7. Mount the Sidewall Velocity Sensor to the Mounting Plate using the remaining two supplied screws (Figure 4).
8. The mounted Sidewall Velocity Sensor must be installed exactly as shown (Figure 4).
9. Plug the Sensor Cable into the Controller or Monitor when wiring the Controller or Monitor.



**Figure 4: Final Sidewall Velocity Sensor Mounting**



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<b>USA</b>	<b>Tel:</b> +1 800 874 2811	<b>India</b>	<b>Tel:</b> +91 80 67877200
<b>UK</b>	<b>Tel:</b> +44 149 4 459200	<b>China</b>	<b>Tel:</b> +86 10 8251 6588
<b>France</b>	<b>Tel:</b> +33 491 11 87 64	<b>Singapore</b>	<b>Tel:</b> +65 6595 6388
<b>Germany</b>	<b>Tel:</b> +49 241 523030		