



SMOKE GUARD® *system*

## Model 3000

Horizontal Fire Curtain



**System Description.** The Smoke Guard **Model 3000 Horizontal (M3000)** is a code-compliant fire-rated assembly designed to function as a deployable opening protective in horizontal building penetrations. **M3000** comes in a standard galvanized finish. RAL powder coat color options are available.

**Codes and Standards.** **M3000** fulfills IBC requirements to provide an opening protective. This fire-rated curtain system can serve as an opening protective in atrium, non-egress stair, and light well applications.

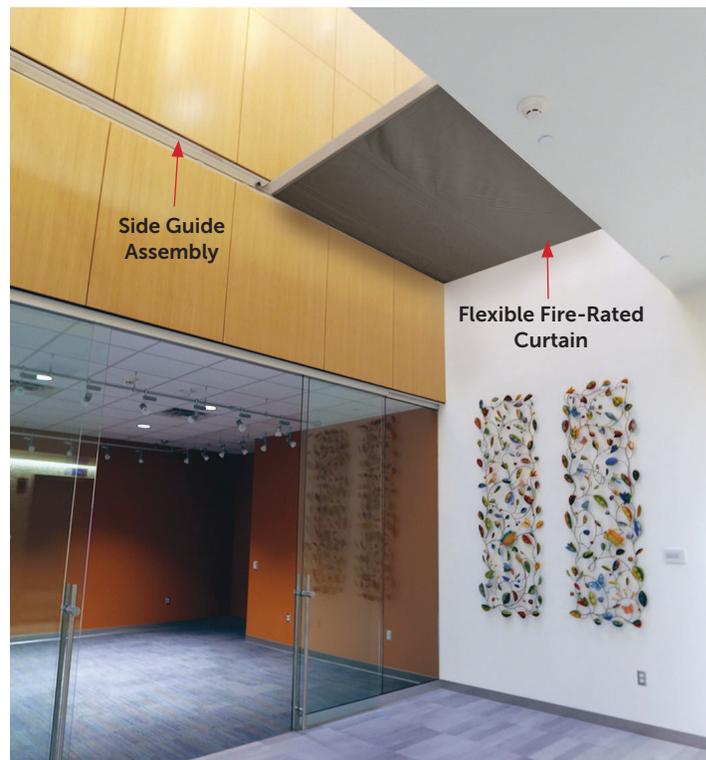


### Dimensions

- Headbox: 10 7/8" high by 14 1/4" deep
- Footbox: 11" high by 12" deep
- Side guide: 7 5/8" high by 8 1/2" wide for openings up to 24' wide by 30' long

### Standards

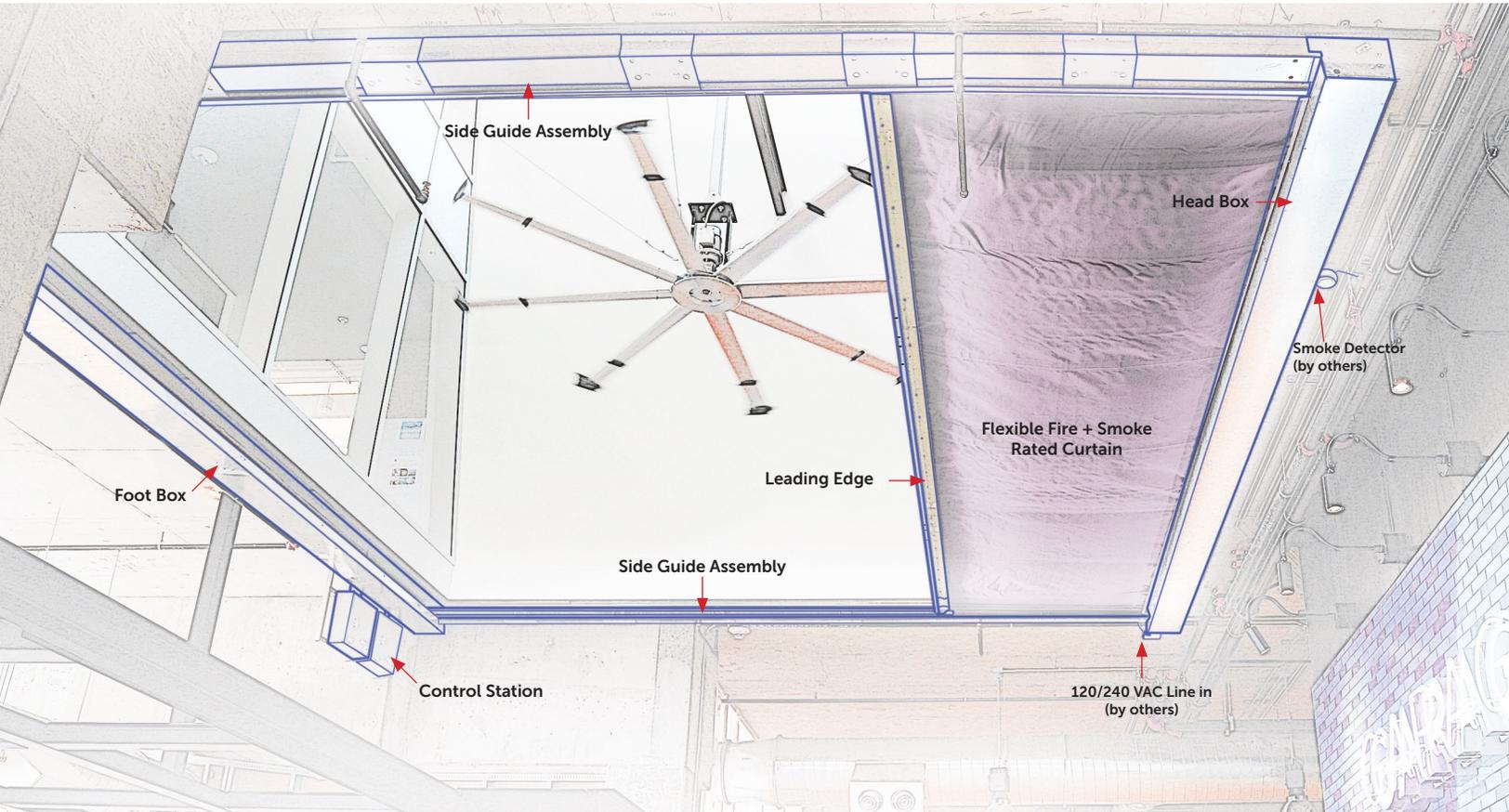
- UL 10B "Fire Tests of Door Assemblies" (20 min. without hose stream) listed by Intertek (fire-rated assemblies)
- UL10C "Positive Pressure Fire Tests of Door Assemblies" (20 min. without hose stream) listed by Intertek (fire-rated assemblies)
- UL10D "Fire Tests for Fire Protective Curtains" (2 hr.) listed by Intertek (fire-rated assemblies)
- UL 864 "Control Units for Fire Protective Signaling Systems" listed by Intertek (both smoke and fire-rated assemblies)
- NFPA 252 "Standard Methods of Fire Tests of Door Assembly" (20 minute)



Designed, Assembled, and Tested in the USA 



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**System Operation.** The system is deployed upon a signal from the local smoke detection system or a smoke control panel. System power requirement is 120/240 VAC. The unit is also equipped with a 24 VDC battery back-up system that is maintained by the electronic controls. When required the system can also be connected to building standby power. The controls include a universal power supply that supports 120/240 VAC operation.

**Installation.** The system is typically installed below a floor deck. It anchors vertically to the deck on all sides of the opening. Side guides are secured to the deck on either side of the opening. All Smoke Guard system units are to be installed by factory recognized installation personnel. Preparation work required by others is outlined in the product specification. Installation requires clear, level, unobstructed deck surfaces for mounting the unit, 120/240 VAC power and, should local smoke detection be required, a smoke detector.

## Smoke Guard and Your Project

- Check for clearance/obstructions issues on, above, and surrounding the opening (sprinklers, HVAC, etc.)
- Field verify opening measurements prior to ordering systems
- Available 120/240 VAC circuit with 10 amp capacity per unit (two circuits for 4 motors)
- Fire alarm system has local auxiliary contacts available
- Ensure all HVAC/smoke evac systems off when curtain is moving

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