

# SERIES 350

## Multi-Purpose Heat, Smoke & Explosion Vents

### DESCRIPTION & USE

- Economical venting system
- Designed for restricting fire spread, extracting heat and smoke, protecting building contents and providing access for firefighters to minimize loss

### TECHNICAL DATA

#### SERIES 350 HEAT, SMOKE & EXPLOSION VENTS

Model Number	Standard Vent (Inside) Dimensions
Model 350	4'0" x 7'6" (1220 mm x 2290 mm) or 4'0" x 4'0" to 10'0" (1220 mm x 3050 mm)
Model 355	6'0" x 10'0" (1830 mm x 3050 mm) or 6'0" x 6'0" to 12'0" (1830 mm x 3660 mm)

#### Metal & Gauges (Model 350)

G: Primed Galv. Steel			A: Aluminum		
Curb	Door	Liner	Curb	Door	Liner
16 ga	22ga	22ga	14 ga	20ga	20ga

#### Metal & Gauges (Model 355)

G: Primed Galv. Steel			A: Aluminum		
Curb	Door	Liner	Curb	Door	Liner
14 ga	14ga	22ga	11 ga	11ga	22ga

Various Activation Methods:

- **Heat Activation** - Activation by temperature sensitive McCabe link.
- **Explosion Activation** - Activation by factory set, pressure sensitive release latches.
- **Smoke Activation** - Activation by electric impulse from a smoke detector via McCabe link.



- **Sprinkler Alarm System Activation** - Activation by electric impulse from a sprinkler alarm system via McCabe Link, and /or temperature sensitive McCabe link.

### FEATURES & BENEFITS

- **McCabe Link** - UL 33 approved, resettable, thermal electric, technologically advanced heat releasing device for Fire and Smoke protection applications.
- **Positive Operation** - Doors open against 10 lbs per square foot of wind or snow load and lock in the open position to prevent untimely closing.
- **Heavy Gauge Construction** - Built to withstand live loads up to 40 lbs (18 kg) per square foot.
- **Choice of Metal** - Fabricated from galvanized steel, aluminum or a combination of galvanized steel curbs and aluminum doors.
- **Heavy Duty Hardware** - Zinc chromate sealed pintle hinges and cast aluminum door latches.
- **Insulated** - Doors are insulated with 25 mm expanded polystyrene while 25 mm thick rigid fibreboard surrounds the curb exterior.
- **Weathertight** - Door lids are sealed with a durable neoprene gasket.
- **Exterior Manual Releases** - Equipped with exterior manual releases to permit firefighter access from the roof level.

continued on back

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#### COMMERCIAL BUILDING PRODUCTS

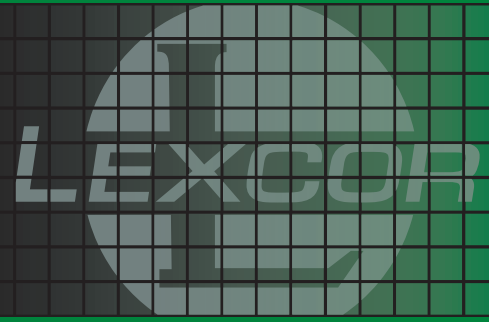
Ontario & Western Canada  
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1.800.363.2307

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### Options

**Manual Opening from Inside** - All roof vents are supplied with an external manual opening mechanism unless specified otherwise. An internal manual opening system is optionally available.

*Specification: Vents shall be equipped with an internal manual opening system.*

**Corrosion Resistant Hardware** - Hardware is zinc plated metal or stainless steel.

*Specification: All hardware shall be stainless steel.*

**Curb Mounting or Self-Flashing** - Vents can be fabricated complete with a 12" (or other specified height) insulated metal curb or in a self-flashing model that can be easily attached to a common, multi-unit curb. Series 350 + 355 self-flashing units can be mounted end to end or side by side in any desired pattern or number.

*Specification: Vents shall be (self-flashing type; complete with \_\_\_ high insulated curb).*

### Smoke Detector Activation by:

**McCabe Link** - A resettable, corrosion resistant mechanism with a temperature release point.

**Security Grids** - Heavy duty security grids prevent unwanted entry. The standard security screen consists of 1/2" (12 mm) diameter steel bars welded to the bottom of the curb in a 6" x 6" (152 mm x 152 mm) grid. May also be used with skylight models.

*Specification: Vents shall be supplied with 6" x 6" (152 mm x 152 mm) security grid of 1/2" (12 mm) diameter steel bars welded to the base of the curb.*

### Skylighting Alternative

**a/ Lexan Panels** - Impact resistant, double walled polycarbonate glazing for an attractive alternative to standard skylights. Lexan glazing is fire and UV resistant and insulates up to 40% more than glass. 3/8" (10 mm) thick Lexan provides an R factor of 1.61.

*Specification: Vents doors shall be glazed with (clear; bronze; white) 10 mm thick Lexan polycarbonate sheet, approved for exterior glazing by ULC S102.2 (1978) and Dominion Fire Marshal.*

### SPECIFICATION

Lexcor's vent product code specifies in a short form the vent style, activation method and metal fabrication:

#### Activation Methods:

- FX - Full Explosion Package - Activation by heat, smoke and explosion.

\*: Specify 24V or 120V.

#### Metal Construction:

Vents are available fabricated from

- G - Primer coated galvanized steel.
- A - Mill finished aluminum.
- C - Copper.
- F - Galvanized steel curbs and aluminum doors.
- S - Stainless steel

Gauges of metals used are specified in the product descriptions.

#### Sample Vent Specification

Furnish and install, where shown on plans, Lexcor Series \_\_\_\_\_ (350; 355) Heat, Smoke & Explosion Vents. Inside vent dimensions for each vent shall be \_\_\_\_\_ by \_\_\_\_\_. Curbs shall be (12" [305 mm]; \_\_\_\_\_) high, insulated with 1" (25 mm) fiberboard insulation. Doors shall be insulated with 1" (25 mm) expanded polystyrene insulation. Curbs (and doors) shall be (grey primer coated galvanized steel; mill finished aluminum; copper in the standard gauges of the manufacturer.

Vent doors shall automatically open due to the heating of a U.L. listed \_\_\_\_\_°F (°C) McCabe link.

Vent(s) shall be equipped with a (\_\_\_\_\_ 24V; 120V McCabe link) that will automatically open vent doors upon the activation of the fire detection system.

Vent doors shall automatically open due to an explosive shock wave within the building. Doors shall be factory set\* to open at approximately \_\_\_\_\_ lbs per ft<sup>2</sup> (\_\_\_\_\_ kg/m<sup>2</sup>) of internal pressure. Once vent doors have been opened, they shall remain in the open position against negative pressures. Vents shall be equipped with... {see options section for sample specification of each option}.

\*: Optional Range = 10 - 45 lbs per ft<sup>2</sup> (97 - 220 kg/m<sup>2</sup>).

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