

SVTBL1

Continuous-Venting UL® 793 Listed Industrial Smoke Vent



SVT2BL1 Smoke Vent | Frame Model 870B



OVERVIEW

Sunoptics® SVTBL1 Industrial Smoke Vents are ideal for use in industrial and commercial buildings where emergency smoke evacuation requirements are needed. Sunoptics has multiple smoke vent models and certifications available for your smoke vent

Sunoptics continuous-venting smoke vents combine the advantages of fire safety and natural daylight, with the benefit of passive ventilation.

Sunoptics SVTBL1 UL® Listed Smoke Vents with integrated rain guarding are available in single-glazed ClearArmour® prismatic polycarbonate options with snow load ratings of 10 pounds per square foot.

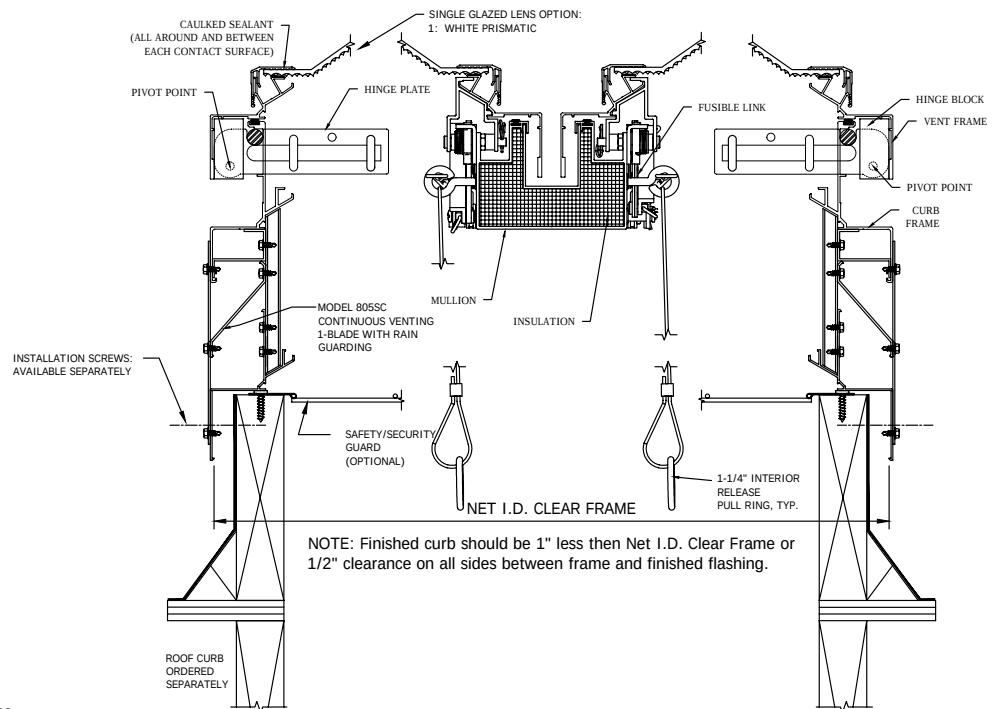
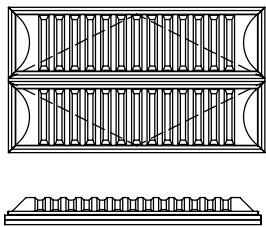
Raising the bar in quality and performance, Sunoptics Smoke Vents are [tested and certified by third-party independent organizations](#) to ensure compliance to safety, quality and performance standards.



PRODUCT PROFILE

Single-Glazed (SGZ) Profile Shown.

Details Not To Scale.



NOTE: Finished curb should be 1" less than Net I.D. Clear Frame or 1/2" clearance on all sides between frame and finished flashing.

See ID Frame call-outs under Ordering Logic for dimension options.

AVAILABLE CERTIFICATIONS AND LISTINGS

- UL/ULC Listed (US & Canada), Tested and Certified to meet UL/ULC 793 Requirements
- CE Certified
- Lens Hail Class Ratings: FM VSH (Very Severe Hail / >2")

Buy American: This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to <https://www.gao.gov/products/105519> for additional information.

Warranty: 10-year limited warranty available. Complete warranty terms and conditions located at: www.sunoptics.com

Note: Actual performance may differ as a result of end-user environment and application.

Specifications subject to change without notice.

SVTBL1 - Continuous-Venting UL® Listed Industrial Smoke Vent

TECHNICAL SPECIFICATIONS

FRAME

Sunoptics SVTBL1 Smoke Vent frame type will be frame series model 870B (curb mounted frame) as manufactured by Sunoptics, Inc. | 20215 Rifle Range Rd., Tallassee, AL 36078 | (800) 289-4700

Sunoptics SVTBL1 Continuous-Venting Smoke Vent frames will be fabricated from 6061 and 6063 T6 aluminum with a natural mill finish. Frames will have integral condensation and weepage gutters which drain moisture to the outside. Frame corners are mitered and welded. The polycarbonate glazing will be fully sealed with a silicone seal.

UL® LISTED Continuous-Venting SMOKE VENTS

Sunoptics UL® Listed Continuous-Venting Smoke Vents will be model SVTBL1 as manufactured by Sunoptics, Inc., 20215 Rifle Range Rd., Tallassee, AL 36078, 800-289-4700

Sunoptics SVTBL1 UL® Listed Continuous-Venting Smoke Vent lens shape is the Signature Series™ dome shape lens, which is made from ClearArmour® Polycarbonate. SNOW LOAD LIFT IN PSF: 10lb. Maximum size 32 sq. ft.; minimum size 20 sq. ft. See ID Frame Call-Out for specific dimensions.

FUSIBLE LINK

The smoke vent will operate by a fusible link. In case of a fire, the fusible link will melt at the chosen temperature, releasing the doors via gas shocks. When the smoke vent doors are released, the doors will open to a minimum angle of 90 degrees.

Interior and exterior release pull rings are included to manually open the smoke vent as needed for code inspection and early release for firefighter needs.

LENS SHAPE - INFO - DETAILS

The Signature Series™ lens provides a patented dome design created to capture and distribute more light at low-light levels throughout the day. The sleek and compact lens design offers an energy-efficient way to provide glare-free, full-spectrum daylighting with the Sunoptics industrial smoke vent.

LENS MATERIAL RATING

Material Type	Lens Material
Polycarbonate	CC1/CC1P125

WARNING

Smoke Vents should not be installed in locations with an operating temperature in excess of -75-degrees Fahrenheit (-75°F / -59.44°C) or 180-degrees Fahrenheit (180°F / 82.22°C).

Smoke Vents not for use in harsh, corrosive, marine and high-humidity environmental conditions such as marina, greenhouses, petrol-chemical facilities or other chemicals where the smoke vents may be exposed to such conditions.

Certain airborne contaminants can diminish the integrity of polycarbonate lenses. Refer to the the Polycarbonate Environmental Compatibility Tables for suitable uses.

CLEANING PLASTIC LENSES

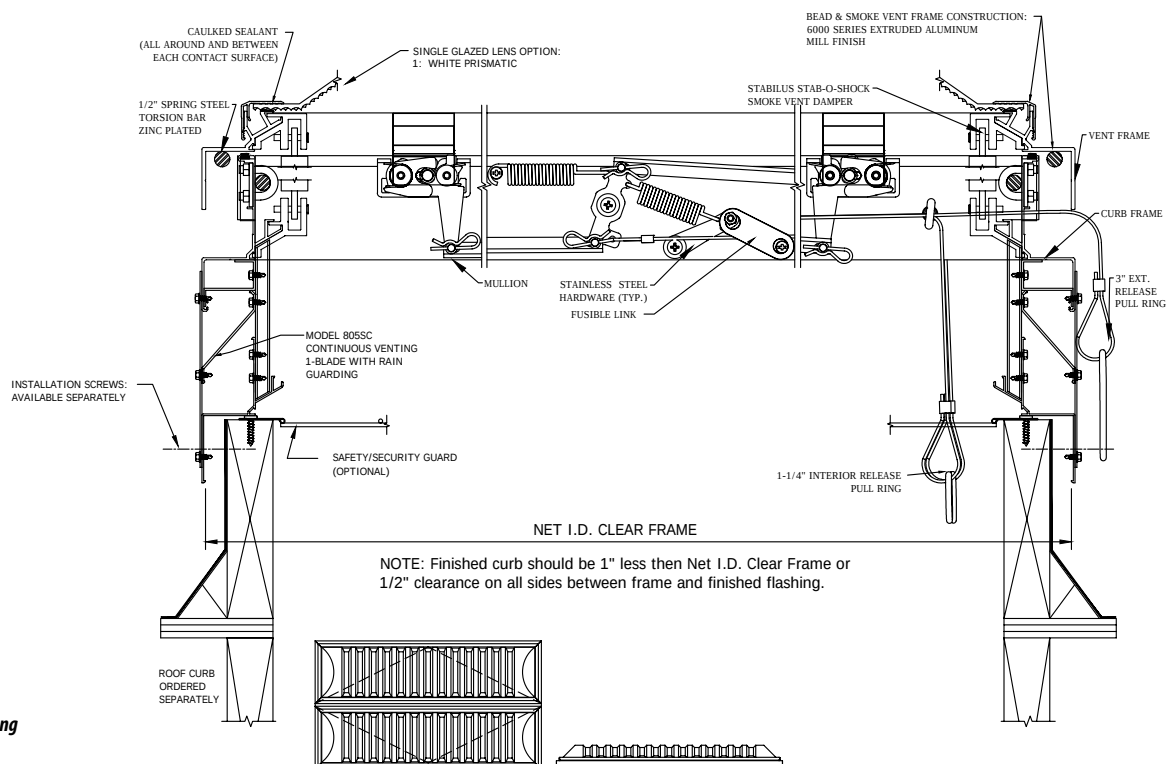
Frequency of cleaning is determined by site conditions. When cleaning lenses, use only water or water with a mild soap. Use a soft rag to minimize scratching the polycarbonate. A pressure washer is acceptable to use as well. Never use ammonia, aromatic or petroleum based products to clean polycarbonate lenses. This will cause deterioration and cracking of the lens and will void the warranty.

Consult factory regarding Smoke Vent installation in locations with operating temperatures in excess of -75°F (-59.44°C) or 165°F (73.89°C).

SIDE PROFILE

Single-Glazed (SGZ) Profile

Details Not To Scale.



See ID Frame call-outs under Ordering Logic for dimension options.

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ORDERING LOGIC

Example: SVT2CV 4080 W52.250 L100.250 SIGL DGZ CC1 LENSCLWH 360FL 10LB 870B 2BL UL

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SERIES		ID Frame Call-Out		ID Frame Width		ID Frame Length		Lens Shape		Glazing	
SVTBL1	Continuous-Venting Smoke Vent	4080	52-1/4" x 100-1/4"	W52.250	Width 52.250 inches	L100.250	Length 100.250 inches	SIGL	Signature™ Series	SGZ	Single Glaze

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Glazing Material		Glazing Colors		Fusible Link		Snow Load	
CC1	Polycarbonate	LENSWH	White (Single Glaze Default)	360FL	360-Degree Fusible Link (default) ⁶	10LB	10-Pound Snow Load (default)
CC1P125	Polycarbonate			370FL	370-Degree Fusible Link		

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Frame Type		Continuous-Venting		Smoke Vent Frame Finish		Options	
870B	Standard Frame	1BL	1-Blade Continuous Vent	MI	Mill (default)	UL	UL Listed Smoke Vent ¹

