

SVT2

UL Listed & FM Approved Industrial Smoke Vent

SVT2 Smoke Vent | Frame Model 870B

OVERVIEW

Sunoptics® 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 needs and location.

The Sunoptics SVT2 UL Listed Smoke Vents are available in single- and double-glazed versions; two lens options; ClearArmour® prismatic polycarbonate options with snow load ratings of 10 and 30 pounds per square foot.

The Sunoptics SVT2 FM Approved model smoke vents are available in single- and double-glazed versions made with ClearArmour® prismatic polycarbonate with a snow load rating of 10 pounds per square foot.

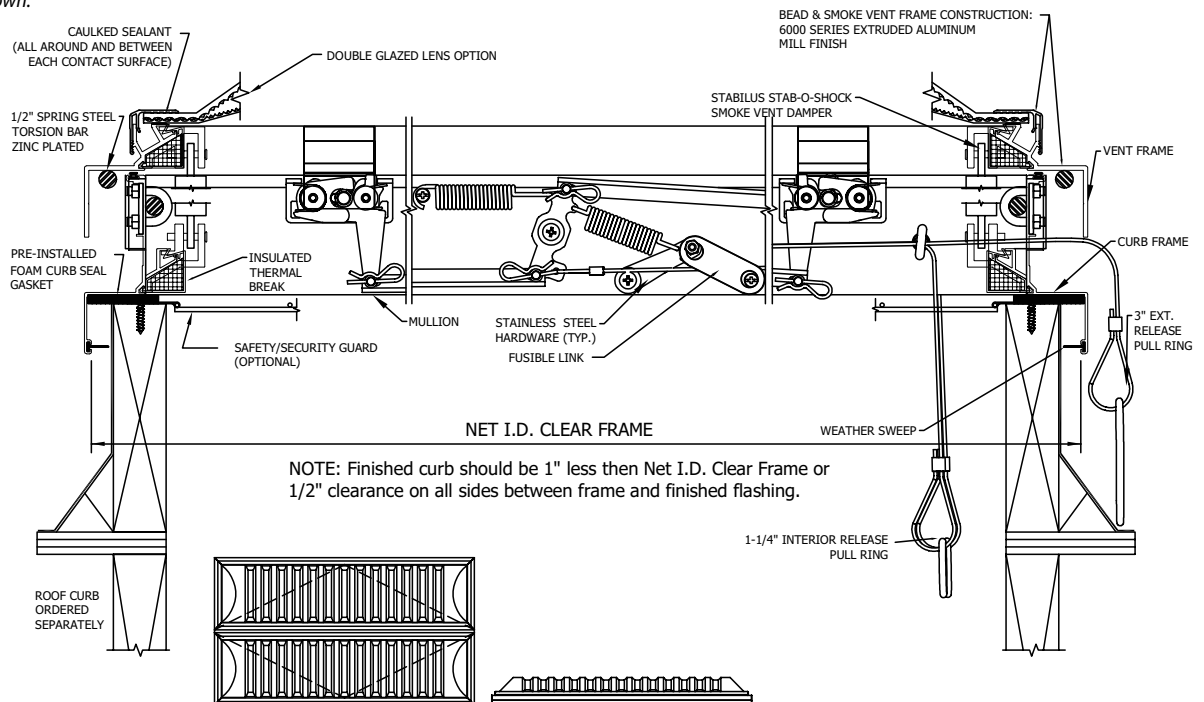
Raising the bar in quality and performance, Sunoptics Smoke Vents are [tested and certified by third-party independent organizations](#) to ensure compliance to safety, quality and performance standards.



PRODUCT PROFILE

Double-Glazed (DGZ) Profile Shown.

Details Not To Scale.



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
- Factory Mutual (FM) Approval Class Number 4430
- Lens Hail Class Ratings for Class 4 (2" hail resistance)

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.

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TECHNICAL SPECIFICATIONS

FRAME

Sunoptics SVT2 Smoke Vent frame type will be frame series model 870B (curb mounted frame) as manufactured by AES Sunoptics Inc., 2171 Alabama Hwy. 229 Tallassee, AL 36078 | 800-289-4700

Smoke Vent frames will be fabricated from 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.

Note: Multi-glazed units default to include an Insulated Thermal Break (ITBR), Closed Cell Foam Curb Seal Gasket, Weather Sweep (WSW) and screws. Single-glazed units do not include these options.

UL LISTED SMOKE VENTS

Sunoptics UL Listed Smoke Vents will be model SVT2 as manufactured by AES Sunoptics, Inc. SVT2 UL Listed Smoke Vent lens shape can be Signature™ Series dome shape lens (SIGL), which are made from ClearArmour® Polycarbonate lenses. SNOW LOAD LIFT IN PSF: 10lb. or 30lb. Maximum size 32 sq. ft.; minimum size 20 sq. ft. See ID Frame Call-Out for specific dimensions.

FM APPROVED SMOKE VENTS

Sunoptics Factory Mutual (FM) Approved Smoke Vents will be Sunoptics model SVT2 as manufactured by AES Sunoptics, Inc.

FM #4430 Approved Smoke Vent are double glazed using ClearArmour® clear prismatic polycarbonate over ClearArmour® high-white prismatic polycarbonate lens, CC1 Rated, in a Signature Series dome configuration. SNOW LOAD LIFT IN PSF: 10lb. only. Must have a minimum 360°F fusible link. Maximum size 5080 (ID 63-1/4" x 99-1/4"); minimum size 4060 (ID 51-1/4" x 75-1/4"). See ID Frame Call-Out for specific dimensions.

FUSIBLE LINK

The smoke vent will operate by a fusible link. The fusible links offered start at a minimum temperature rating of 360-degrees Fahrenheit (360°F / 182.22°C) to a maximum of 370-degrees Fahrenheit (370°F / 187.77°C). 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 (SIGL) provides a proprietary prismatic dome design created to capture and distribute more light at low-light levels throughout the day. The sleek and compact lens design offers an efficient way to provide glare-free, full-spectrum daylighting with the Sunoptics industrial smoke vent.

LENS HAIL CLASS RATING

Material Type	Lens Material	Resistance Rating	Hail Size
Polycarbonate	CC1/CC1P125	Class 4	2"

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 located at www.sunoptics.com for suitable uses.

CLEANING PLASTIC LENSES

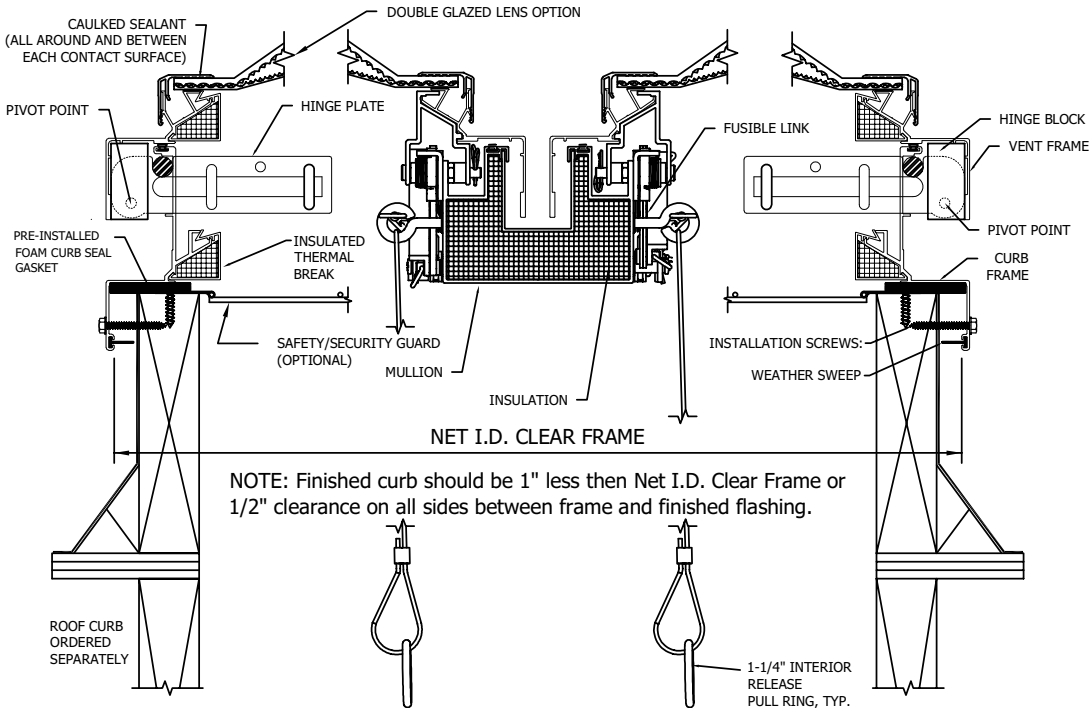
Frequency of cleaning is determined by site conditions. When cleaning polycarbonate lenses, use only water or water with a mild soap. Use a soft rag to minimize scratching the polycarbonate. A pressure washer is acceptable to use as well. Never use ammonia, aromatic or petroleum based products to clean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

Double-Glazed (DGZ)
Profile Shown.

Details Not To Scale.



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

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ORDERING LOGIC

Example: SVT2 4080 W52.250 L100.250 SIGL DGZ CC1 LENSCLWH 360FL 30LB 870B UL

SERIES		ID Frame Call-Out		ID Frame Width		ID Frame Length		Lens Shape		Glazing	
SVT2	Smoke Vent	4070	51-1/4" x 87-1/4"	W51.250	Width 51.250 inches	L87.250	Length 87.250 inches	SIGL	Signature™ Series	SGZ	Single Glaze
		4080	52-1/4" x 100-1/4"	W52.250	Width 52.250 inches	L100.250	Length 100.250 inches			DGZ	Double Glaze
		5060	63-5/8" x 75-5/8"	W63.625	Width 63.625 inches	L75.625	Length 75.625 inches				
		5558	67-3/4" x 70-3/4"	W67.750	Width 67.750 inches	L70.750	Length 70.750 inches				

Glazing Material		Glazing Colors		Fusible Link		Snow Load					
CC1	Polycarbonate	LENSWH	White (Single Glaze Default) Clear	360FL	360-Degree Fusible Link (default)	10LB	10-Pound Snow Load (default)				
		LENSWHCL	White (Double-Glaze Default)	370FL	370-Degree Fusible Link	30LB	30-Pound Snow Load				

Frame Type		Smoke Vent Frame Finish		Options							
870B	Standard Frame	MI	Mill (default)	(blank)	No Options						
				FMRTG	Factory Mutual (FM) Approved						
				UL	UL Listed Smoke Vent						

Lead times will vary depending on options selected. Consult with your sales representative.