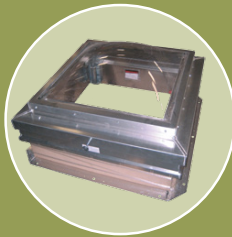
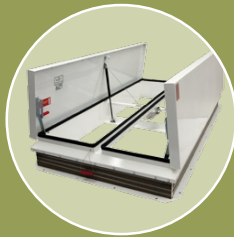


# Roof Hatches & Smoke Vents



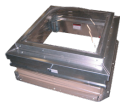
## Babcock-Davis Roof Hatches

Babcock-Davis' Roof Hatches and Scuttles are manufactured to solve all of your roof access needs. Custom sizing, materials, and color finishes ensure that whatever you need for your project, we've got you covered. Shipped direct from our central manufacturing facility or from one of our strategically located stocking facilities, Babcock-Davis delivers the hatches you need ... Right to Site.



### Personnel

Babcock-Davis' Personnel roof hatches provide safe, easy and convenient access to rooftop areas. Sizes available to accommodate fixed ladders, ship stairs and service stair applications.



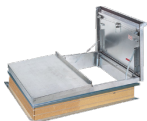
### SunLit™

Babcock-Davis' SunLit roof hatches provide safe, easy, and convenient personnel roof access with the added "green" benefit of daylighting.



### Security

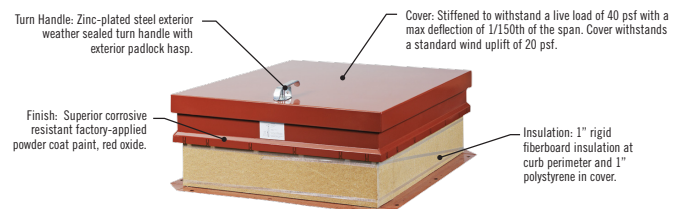
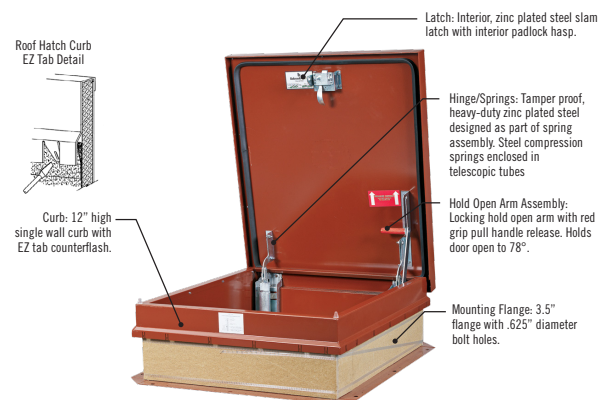
Babcock-Davis' Security roof hatches provide safe, easy, and convenient personnel roof access for traditional security applications like banks and correctional facilities in addition to homeland security concerns (ex. embassies, water treatment facilities, chemical plants).



### Equipment

Babcock-Davis is known industry-wide for our expertise in custom, exceptionally large equipment access roof hatches designed to meet clear, unobstructed opening requirements to install and replace equipment, such as pumps for water treatment plants.

## Feature Specifications



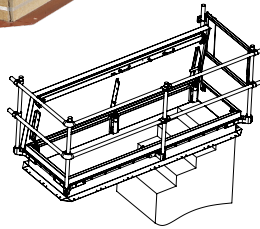
## BRHP: Personnel



**Ship Stair Access**  
Model shown:  
BRHPG30X54S1T

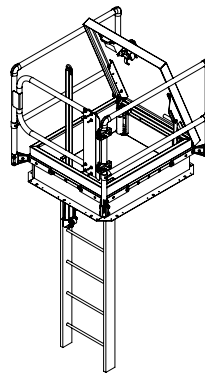


**Service Stair Access**  
Model shown:  
BRHPG30X96S1T

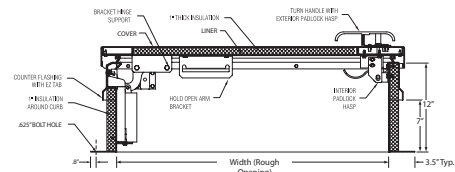


## Roof Hatches

## BRHP: Personnel



**Ladder Access**  
Model shown:  
BRHPG36X30S1T



## PRODUCT GUIDE

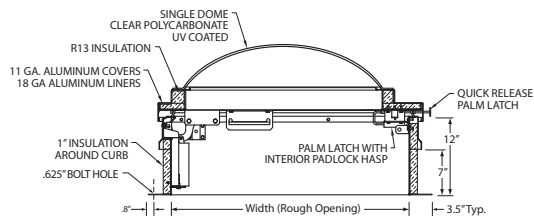
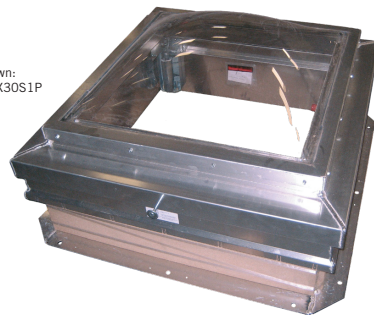
BRHP   x  S  T

MATERIAL		SIZE (WIDTH x LENGTH)		CURB TYPE
A	11 GA ALUM. CURB & COVER, MILL FINISH	LADDER	SHIP STAIR	1 SINGLE WALL
B	14 GA GAL. CURB POWDER COAT RED OXIDE &	36 x 30	30 x 54	2 DOUBLE WALL
B	11 GA ALUM. COVER MILL FINISH	36 x 36	36 x 54	3 CURB MOUNT
G	14 GA GAL. CURB & COVER, POWDER COAT RED OXIDE	48 x 48	48 x 120	4 DOUBLE WALL, No COUNTERFLASH

**BRHL: SunLit™**

Babcock-Davis' SunLit Roof Hatches provide safe, easy, and convenient personnel roof access with the added "green" benefit of daylighting.

**SunLit™**  
Model shown:  
BRHLA36X30S1P



**PRODUCT GUIDE**

**BRHL**  MATERIAL  WIDTH  x  LENGTH  S  CURB  P

**MATERIAL**  
A 11 GA ALUM. CURB & COVER, MILL FINISH  
B 14 GA GAL. CURB POWDER COAT RED OXIDE & 11 GA ALUM. COVER MILL FINISH

**SIZE (WIDTH & LENGTH)**  
36" x 30" 30" x 54"  
36" x 36" 48" x 48"

**CURB TYPE**  
1 SINGLE WALL  
2 DOUBLE WALL  
3 CURB MOUNT  
4 DOUBLE WALL, NO COUNTERFLASH

**BRHS: Security**

Babcock-Davis' Security Roof Hatches provide safe, easy, and convenient personnel roof access for traditional security applications such as, banks, correctional facilities, and buildings with homeland security concerns (e.g. embassies, water treatment facilities, chemical plants).

**Security**

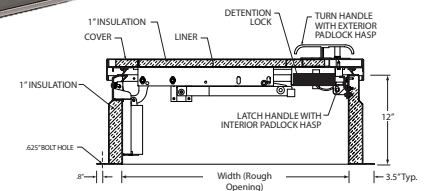
Model shown:  
BRHSG48X48S4T-D11



View Port Window



Detention Lock shown with Brass Cover Plate for outside access



**PRODUCT GUIDE**

**BRHS**  MATERIAL  WIDTH  x  LENGTH  S  CURB  T-  OPTIONS

**MATERIAL**  
A 1/4" ALUM. CURB & COVER, MILL FINISH  
B 3/16" STEEL CURB POWDER COAT RED OXIDE & 1/4" ALUM. COVER MILL FINISH  
G 3/16" STEEL CURB & COVER, POWDER COAT RED OXIDE

**SIZE**  
36" x 30"  
36" x 36"  
30" x 54"  
48" x 48"

**CURB TYPE**  
1 SINGLE WALL  
2 DOUBLE WALL  
3 CURB MOUNT  
4 DOUBLE WALL, NO COUNTERFLASH

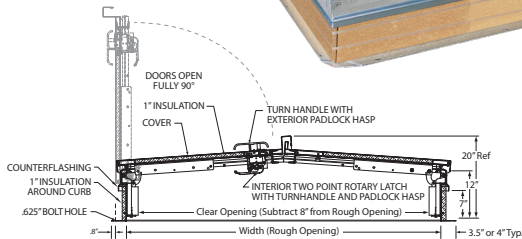
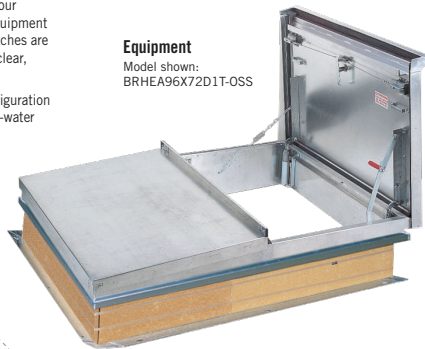
**OPTIONS**  
D11 DETENTION LOCK, BRINKS 7012 INT/EXT ACCESS  
D12 DETENTION LOCK, BRINKS 7012 INTERIOR ACCESS  
D13 DETENTION LOCK, BRINKS 7012 EXTERIOR ACCESS  
OW1 VIEW PORT WINDOW, 8" x 8", SECURITY GLAZING

### BRHE: Equipment

Babcock-Davis is known industry-wide for our expertise in custom, exceptionally large equipment access roof hatches. Equipment Series hatches are designed with 90° opening doors to meet clear, unobstructed opening requirements.

Stainless steel hardware is a common configuration for corrosive environments typical in waste-water treatment plants.

**Equipment**  
Model shown:  
BRHEA96X72D1T-OSS



### PRODUCT GUIDE

#### BRHE

MATERIAL	WIDTH	LENGTH	DOOR	CURB	OPTIONS
A 11 GA ALUMINUM CURB & COVER, MILL FINISH	48" x 48"	96" x 96"	S SINGLE DOOR	1 SINGLE WALL	OSS STAINLESS STEEL HARDWARE
B 14 GA GAL. CURB POWDER COAT RED OXIDE & 11 GA ALUM. COVER MILL FINISH	60" x 60"	120" x 120"	D DOUBLE DOOR	2 DOUBLE WALL	
G 14 GA GAL. CURB & COVER, POWDER COAT RED OXIDE	72" x 72"	150" x 150"		3 CURB MOUNT	
S 14 GA STAINLESS STEEL 304 CURB & COVER, MILL FINISH				4 DOUBLE WALL, NO COUNTERFLASH	

### SR: Safety Railing



**Front Exit**

Babcock-Davis standard safety railing system for roof hatches with the fixed ladder mounted opposite the hinge.



**Side Exit**

Babcock-Davis standard safety railing system for roof hatches with a side exit typical in ship stair and service stair applications. Shown with self-closing gate option.

Material: 1 1/2" ID schedule 40 steel pipe  
Finish: Galvanized to ASTM A53  
Pipe Caps: Weather and light resistant vinyl 1 1/2" deep and fit snugly over pipe ends  
Hardware: Hex head bolts 3/8" x 2 1/2" grade Z, zinc plated.  
Chain: 3/16" zinc plated with quick links and 2 1/2" zinc plated hoops on each end.  
Optional: self closing gate  
3/16" zinc plate steel straight link chain



**Side Exit**



Meets OSHA Standard  
CFR 29 1910.23

### PRODUCT GUIDE

#### SRCG

WIDTH	LENGTH	EXIT	OPTIONS
30" x 54"	36" x 36"	F FRONT EXIT	C CHAIN
36" x 96"	48" x 48"	S SIDE EXIT, SINGLE DOOR	G SELF-CLOSING GATE
36" x 30"		D SIDE EXIT, DOUBLE DOOR	

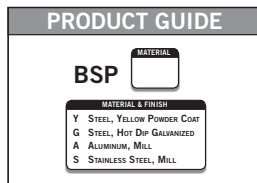
**BSP: Safety Post**



Model shown: BSPY

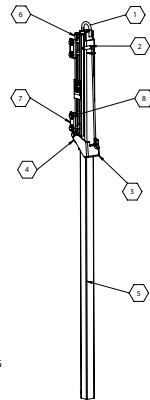
**Safety Posts**

Babcock-Davis safety ladder posts mount to fixed ladders beneath roof hatches complies with OSHA 1910.27 requirement for fixed ladders.



**SPECIFICATIONS:**

- ① LIFTING HANDLE
- ② RELEASE ROD
- ③ EXTENSION LOCK BRACKET
- ④ BALANCING SPRING
- ⑤ SQUARE TUBING (1 1/2" x 1 1/2")
- ⑥ ADJUSTABLE MOUNTING CHANNEL FITS LADDER RUNG
- ⑦ SPACING 10"-12"
- ⑧ CLAMP BRACKET
- ⑨ STAINLESS STEEL MOUNTING HARDWARE



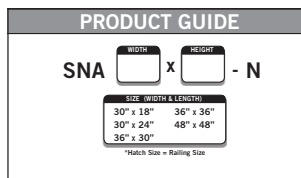
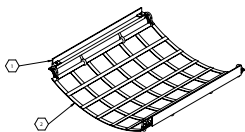
**SN: Safety Net**



Model shown: BSNA 36X30-N

**SPECIFICATIONS:**

- ① RAIL: EXTRUDED ALUM 6061 T6
- ② NETTING: POLYESTER, ORANGE. BREAKING STRENGTH 500LBS.



**Safety Net**

Babcock-Davis safety nets mount beneath roof hatches. Complies with OSHA 1926.105 Netting test specification and OSHA 1926.502 Drop test specification.

**Options**

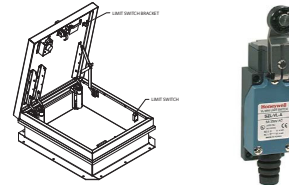
**Custom Finishes**

Babcock-Davis offer custom-matched colors. Our corrosion-resistant, colored powder coat provides aesthetics and durability while eliminating the additional costs of on-site painting for our steel hatches. Kynar® finishes available for aluminum hatches.



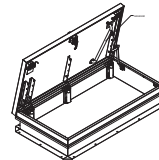
**Door Position Sensor**

Door position sensors tie into the buildings alarm system for electrical signal notification of door usage and come pre-installed with required mounting brackets.



**Grab Bars**

Grab bars are available to assist in opening and closing the hatch and are an extension of the stair rail to ensure hatch egress safety.

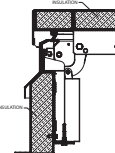


**Insulation**

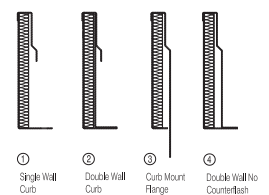
Improve your building's energy efficiency with upgraded and fully insulated roof hatches.

Babcock-Davis offers polyisocyanurate insulation with an R value of 6 per inch in widths of 1", 1.5", and 2" in the curb and/or cover.

It is also intended for applications where condensation is a concern.

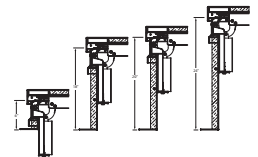


**Curb Type**



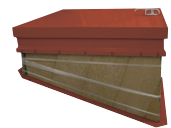
**Custom Curb Heights**

Babcock-Davis offers custom curb heights to match the needs of any application. Standard curb height is 12". Custom curb heights range from 6" - 48".



**Pitch-Corrected Curbs**

Curb is sloped to match roof pitch to maintain level doors to ensure proper operation. Recommended for roof pitches greater than 3:12.



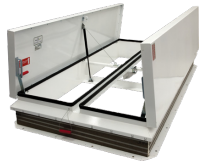
**Lock Options**

Babcock-Davis offers mortise cylinder locks for added security and detention locks for maximum security. Brass cover plates seal out the elements and are standard on hatches requiring exterior lock access. When ordering locks, specify for interior only, exterior only, or interior and exterior keyed access.



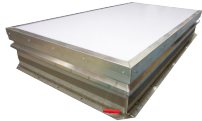
## Babcock-Davis Smoke Vents

Babcock-Davis' smoke vents are designed to meet the highest industry safety standards. Babcock-Davis offers a wide range of options and solutions that fully integrate with the fire and life safety of building and comply with International Building Code (IBC).



### SafeMAX™

Babcock-Davis' SafeMAX smoke vents are UL 793 listed with an emphasis on affordability. Single doors are ideal for venting hoistways, elevator shafts or stairwells, reference IBC 3004. Double and Quad door sizes are ideal for factory and storage venting applications as required by IBC 910.



### LightMAX™

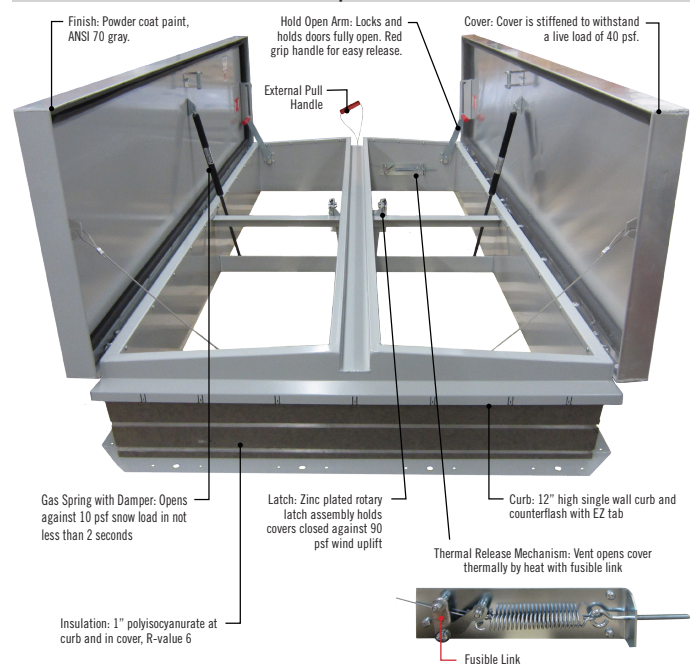
Babcock-Davis' LightMAX smoke vents are rooftop venting systems with the added benefit of natural daylighting. These UL 793 listed vents are ideal for manufacturing factories, warehousing and big box retail.



### Acoustical

Babcock-Davis' Acoustical smoke vents are acoustically rated to STC 45 & OITC 37 and have UL 793 & FM 4430 labels with energy efficient R13 insulation for optimal envelope performance. Designed for theater and stage applications, as required by IBC section 410.

## Feature Specifications



### EMERGENCY OPENING OPTIONS

#### Temperature:

Fusible melt-out link available in 165°F, 212°F, 280°F, 350°F, 360°F, 370°F, 386°F, and 450°F.

#### Manual Opening:

External and internal pull handles provided

#### Electrical:

24VDC/24VAC or 110VAC/240VAC electrical signals enable automatic vent opening when tied into buildings fire alarm system, smoke detector, or sprinkler system.

#### Watts:

### REMOTE CLOSING OPTIONS

#### Manual Winch:

Manual winch provides door closing from the floor level.



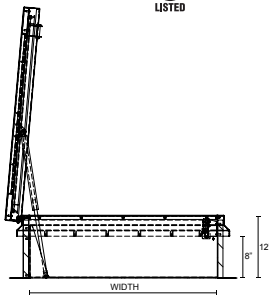
#### Motor:

Operate smoke vent with push button controller (open, close, stop) 1/2 HP, 110VAC motor with 24VDC relay for electrical vent opening when tied to a fire alarm system.



**BSVS: SafeMAX™**

Babcock-Davis is the exclusive manufacturer of UL793 listed single door smoke vents. Babcock-Davis' SafeMAX™ single door smoke vents are ideal for hoistway, elevator shaft and stairwell venting applications as required by International Building Code.



**SafeMAX™**  
Model shown:  
BSVSG36X30S1N165R

**PRODUCT GUIDE**

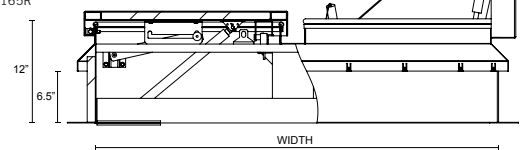
BSVS	MATERIAL	LENGTH	WIDTH	DOOR	CURB	ELEC.	TEMP.	CLOSING
A	ALUM CURB & COVER, MILL FINISH	30" x 30"	48" x 48"	S	1			
B	GALVANNEALED CURB, POWDER COAT WHITE & ALUM COVER, MILL FINISH	36" x 30"	48" x 72"	D	2			
G	GALVANNEALED CURB & COVER, POWDER COAT WHITE	36" x 36"	48" x 96"	Q	3			
		ELECTRICAL		TEMP.		CLOSING		
		N NO ELECTRICAL		165 350		R ROOFTOP (MANUAL)		
		L 24VDC / 24VAC		212 360		M 3 BUTTON OPERATED MOTOR		
		H 110VAC / 240 VAC		280 450		W MANUAL WINCH		

**BSVS: SafeMAX™**

Babcock-Davis' SafeMAX™ double door smoke vents are ideal for factory, storage/warehouse, big box retail, and government postal facilities as required by IBC Section 910.



**SafeMAX™**  
Model shown:  
BSVSG48X96D1N165R



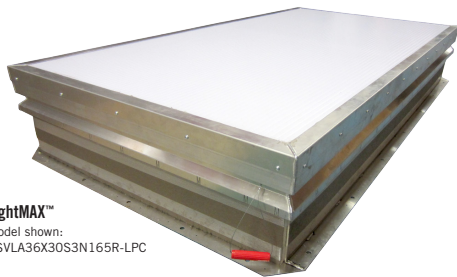
**PRODUCT GUIDE**

BSVS	MATERIAL	LENGTH	WIDTH	DOOR	CURB	ELEC.	TEMP.	CLOSING
A	ALUM CURB & COVER, MILL FINISH	48" x 48"	60" x 60"	S	1			
B	GALVANNEALED CURB, POWDER COAT WHITE & ALUM COVER, MILL FINISH	48" x 72"	60" x 96"	D	2			
G	GALVANNEALED CURB & COVER, POWDER COAT WHITE	48" x 96"	60" x 120"	Q	3			
		72" x 72"		72" x 96"				
		ELECTRICAL		TEMP.		CLOSING		
		N NO ELECTRICAL		165 350		R ROOFTOP (MANUAL)		
		L 24VDC / 24VAC		212 360		M 3 BUTTON OPERATED MOTOR		
		H 110VAC / 240 VAC		280 450		W MANUAL WINCH		

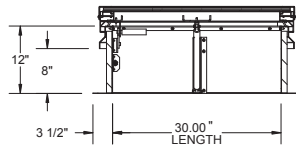


**BSVL: LightMAX™**

Babcock-Davis' LightMAX™ smoke vents provide all the safety and value of the SafeMAX™ automatic vent with the added sustainable benefit of natural daylighting.



**LightMAX™**  
Model shown:  
BSVLA36X30S3N165R-LPC

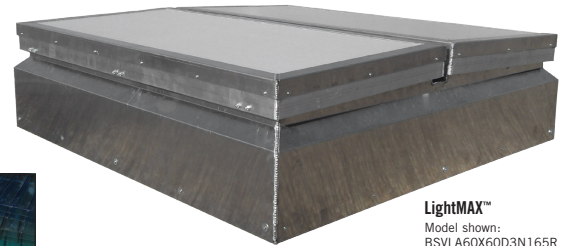


**PRODUCT GUIDE**

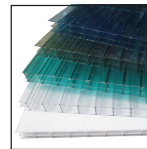
BSVL	MATERIAL	LENGTH	x	WIDTH	DOOR	CURB	ELEC	TEMP	CLOSING	OPTIONS
					S				R	
MATERIAL										
A	ALUM CURB & COVER, MILL FINISH				S	S SINGLE WALL CURB		N NO ELECTRICAL		
B	GALVANNEALED CURB, POWDER COAT WHITE & ALUM COVER, MILL FINISH				D	DOUBLE DOOR		L 24VDC / 24VAC		
					Q	QUAD DOOR		H 110VAC / 240 VAC		
						3 CURB MOUNT				
TEMP °F					CLOSING			OPTIONS		
165 350					R ROOFTOP (MANUAL)			LPW DOME, POLYCARB WHITE		
212 360					M 3 BUTTON OPERATED MOTOR			LPC DOME, CLEAR		
280 450					W MANUAL WINCH			LMC MULTIWALL, CLEAR		

**BSVL: LightMAX™**

Babcock-Davis' LightMAX™ smoke vents provide all the safety and value of the SafeMAX™ automatic vent with the added sustainable benefit of natural daylighting.



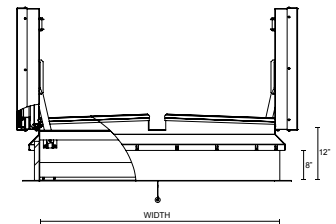
**LightMAX™**  
Model shown:  
BSVLA60X60D3N165R



**Multi-Wall Options**

	White	Clear	Bronze	Blue	Green
Light Transmission %:	30%	74%	37%	45%	42%
Solar Factor %:	45%	75%	57%	65%	60%
Shading Coefficient %:	.50	.86	.65	.74	.69

Translucent Cover: Multiple-3-wall corrugated polycarbonate sheet 5/8" thick  
R-Factor: 2.5

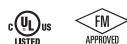


**PRODUCT GUIDE**

BSVL	MATERIAL	LENGTH	x	WIDTH	DOOR	CURB	ELEC	TEMP	CLOSING	OPTIONS
					D				R	
MATERIAL										
A	ALUM CURB & COVER, MILL FINISH	48" x 48"	60" x 60"	48" x 72"	60" x 96"	S SINGLE DOOR	1 SINGLE WALL CURB	N NO ELECTRICAL		
B	GALVANNEALED CURB, POWDER COAT WHITE & ALUM COVER, MILL FINISH	48" x 96"	60" x 120"	72" x 72"	72" x 96"	D DOUBLE DOOR	2 DOUBLE WALL CURB	L 24VDC / 24VAC		
						Q QUAD DOOR	3 CURB MOUNT	H 110VAC / 240 VAC		
TEMP °F										
	165 350	CLOSING			OPTIONS					
	212 360	R ROOFTOP (MANUAL)			LPW DOME, POLYCARB WHITE					
	280 450	M 3 BUTTON OPERATED MOTOR			LPC DOME, CLEAR					
		W MANUAL WINCH			LMC MULTIWALL, CLEAR					

## BSVX: Acoustical

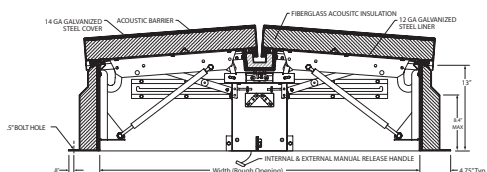
Babcock-Davis' Acoustical Series smoke vents are ideal for venting heat and smoke from stages and platforms as required by IBC Section 410. Typical applications include assembly and educational occupancies including performing arts centers, theaters, symphony halls and school auditoriums.



Cover & Liner:	14 ga. galv. steel, 12 ga. galv. steel liner
	Cover is stiffened to withstand a live load of 40 psf with a max deflection of 1/16" per sq. ft. of span.
Curb Material:	13" high curb, 14 ga. & 12 ga. galv. steel double wall curb
Hinge:	Heavy-duty zinc-plated steel with non-removable pins designed as part of spring assembly
Latch:	Zinc-plated cylinder with positive hold release mechanism designed to withstand 90 psf of wind uplift. Released by interior and exterior manual pull cables and fusible melt-out link
Spring:	High-pressure gas springs
Insulation:	3" R13 fiberglass insulation in cover and curb perimeter
Flange:	4.75" flange (1.625" exposed) with 5" diameter mounting holes
Finish:	ANSI 70 gray powder coat finish
Testnote:	UL 793 Lab. FM 4430 approved. STC45 & OITC32 rated

### Acoustical Series

Model shown:  
BSVXW72X96D4N165R



## PRODUCT GUIDE

**ROOFTOP GUIDE**

**BSVX**

**MATERIAL**  **SIZE (WIDTH & LENGTH)**   **DOOR**  **SHIM**  **ELEC.**  **TEMP.**  **CLOSING**

MATERIAL	SIZE (WIDTH & LENGTH)	DOOR	CURB
G GALVALNEALED STEEL GRAY	48" x 48" 60" x 60"	D DOUBLE DOOR	3 CURB MOUNT
W GALVALNEALED WALL CURB	48" x 72" 60" x 96"	Q QUAD DOOR	4 DOUBLE WALL CURB
	48" x 96" 60" x 120"		
	72" x 72" 72" x 96"		

ELECTRICAL	TEMP. °F	CLOSING
N NO ELECTRICAL	165 350	R ROOFTOP (MANUAL)
L 24VDC / 24VAC	212 360	M 3 BUTTON OPERATED MOTOR
H 110VAC / 240 VAC	280 450	W MANUAL WINCH

## Options

### Custom Finishes

Babcock-Davis offers custom-matched colors. Our corrosion-resistant, colored powder coat provides aesthetics and durability while eliminating the additional costs of on-site painting for our steel hatches. Kynar® finishes available for aluminum hatches.



### Door Position Sensor

Door position sensors tie into the buildings alarm system for electrical signal notification of door usage and come pre-installed with required mounting brackets.



### Burglar Bars

Burglar bars are available to prevent unauthorized entry.

Standard 1/2"  
diameter steel bar,  
6" x 12" spacing,  
powder coat painted

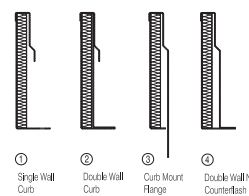


### Louvered Curbs

Louvered curbs are available to satisfy your required free area venting requirements (ex: hoistway/elevator shafts).

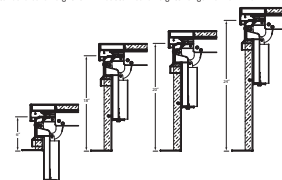


## Curb Type



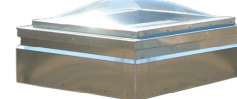
### Custom Curb Heights

Babcock-Davis offers custom curb heights to match the needs of any application. Standard curb height is 12". Custom curb heights range from 6" - 48".



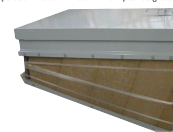
### LightMAX dome options

Domed options available for LightMAX series translucent smoke vents. Select from single or double dome polycarbonate in white, clear, or bronze.



### Pitch-Corrected Curbs

Curb is sloped to match roof pitch to maintain level doors to ensure proper operation. Recommended for roof pitches greater than 3:12.



# Roof Hatches & Smoke Vents

