

Roof Hatches • Smoke Vents

07 72 00/BAB
BuyLine 0898

Babcock-Davis®



WALL RELEASE HANDLES

4" THICK INSULATION

EDGE

PERMIT HYDRAULIC SUPPORT

U.S. LISTED PYROARCH

HYDRAULIC SHOCK ABSORBER



Babcock-Davis®
Always right there.

**Babcock-Davis***Always right there.*

Roof Hatches: Steel & Aluminum

Babcock-Davis®

Ladder Access



Designed for fixed
ladder roof access

Common Sizes

30" x 30"
36" x 30"
36" x 36"
48" x 48"

Custom sizes available

Ship Stair Access



Designed for ship
stair roof access

Common Sizes

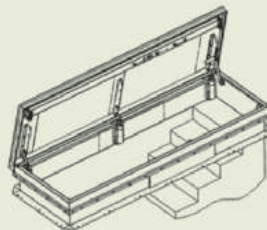
30" x 54"

Custom sizes available

Service Stair Access



Designed for service
stair roof access



Common Sizes

30" x 96"
36" x 96"
48" x 120"

Custom sizes available

Why Choose Babcock-Davis Roof Hatches

Because we know
what's important to
specifiers, roofers,
and owners.

Babcock-Davis roof
systems are primarily
used for personnel and
equipment access.

At Babcock-Davis, we
understand that roof
systems are comprised
of many components
so we designed our
curb counter flashing
and EZ tab systems
for easy installation on
membraned roofs.

Standard roof hatches
come with a 12 inch high
curb, lift-assist compression
springs, a locking hold
open arm and a weather
tight gasket seal.

Babcock-Davis offers a
variety of custom sizes
and special options
including domed skylight
lids, insulated double
wall curbs, curb mount,
stainless steel hardware,
and custom finishes.

Roof Hatches: Steel & Aluminum

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We engineered maximum performance in all of our products regardless of their size and complexity because we know that a leak-free roof is the your goal.

When you require lasting performance, whether it is a ladder access roof hatch or an oversized hatch for a waste water treatment plant, Babcock-Davis is your best choice.

Timely delivery, professional service, and lasting quality:

Babcock-Davis ...
Always right there.

Equipment Access

Designed to meet clear unobstructed opening requirements for equipment access

Common Sizes

48" x 96"
60" x 60"
60" x 96"
144" x 144"

Custom sizes available



Domed Series

Clear Polycarbonate
Single Dome and
Double Dome

Common Sizes

36" x 30"
30" x 54"
48" x 48"

Custom sizes available



Custom Colors



Corporate-matched colors: our factory-applied, corrosion-resistant, colored powder coat provides aesthetics and durability.

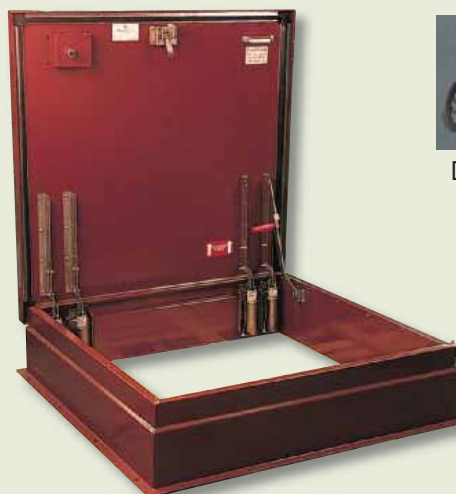
Security Series

3/16" Steel
1/4" Aluminum

Common Sizes

36" x 30"
36" x 36"
30" x 54"

Custom sizes available



Detention
Locks
optional

Babcock-Davis®



Babcock-Davis

Always right there.

Roof Hatch Accessories

Babcock-Davis®

Safety Ladder Posts



Babcock-Davis' safety ladder posts provide easy, safe use of Ladder Access roof hatches. Meets OSHA requirements.

Safety Railing Systems



Babcock-Davis' safety railing systems provide safe access through roof hatches and provide a permanent means of fall protection. Babcock-Davis' safety railing systems meet OSHA requirements.



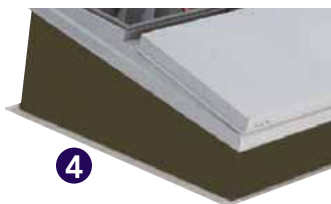
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2



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6



5



7

- 1 Domed Smoke Vents
- 2 Custom Finishes & Colors
Anodized Aluminum
Kynar
Powder Coat
- 3 Double Wall Curb with counter-flashing metal liner provided over the curb insulation
- 4 Pitch Corrected Curbs
Sloped to match roof pitch to maintain level doors
- 5 Louvered Curbs
Provides air ventilation
- 6 Remote Close Assistance
Manual Winch
Controlled Motor
- 7 Burglar Bars
For high security applications

Door Position Switch
Opening vent triggers
limit switch

Explosive Vents
Internal pressure of 25 psf
automatically opens vent

Roof Hatch Specifications

Cover & Liner Material:	Cover is stiffened to withstand a live load of 40 psf with a max deflection of 1/150th of the span. Cover withstands a maximum wind uplift of 20 psf. BRHA: 11 gauge aluminum cover with an 18 gauge aluminum liner BRHG: 14 gauge galvanized steel cover with a 22 gauge galvanized steel liner BRHG-A: 11 gauge aluminum cover with an 18 gauge aluminum liner BRHS: 14 gauge type 304 stainless steel
Curb Material:	12" high single wall curb with counter flash BRHA: 11 gauge aluminum curb BRHG: 14 gauge galvanized steel curb BRHG-A: 14 gauge galvanized steel curb BRHS: 14 gauge type 304 stainless steel
Hinge:	Tamper proof, heavy-duty zinc plated steel BRHS: 316 stainless steel
Springs:	Steel compression springs enclosed in telescopic tubes
Latch:	Zinc plated steel BRHS: 304 stainless steel
Insulation:	1" thick rigid fiberboard at curb perimeter and 1" polystyrene in cover
Mounting Flange:	3.5" long flange with 5/8" clearance mounting holes
Finish:	BRHA: Mill finish aluminum BRHG: Red oxide powder coat paint BRHG-A: Curb - Red oxide powder coat paint. Cover - mill finish aluminum BRHS: 2B finish stainless steel

Major retailers know the value of Babcock-Davis





Babcock-Davis

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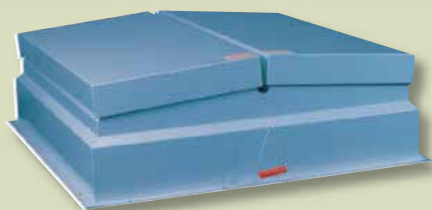
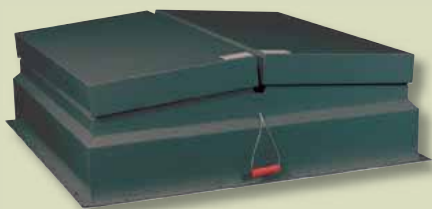
Smoke Vents: Acoustical

Babcock-Davis®

Acoustical Smoke Vent



Patent pending



- Acoustically rated to STC 45 & OITC 37
- UL 793 listed and FM 4430 approved
- Innovative, upward opening, single layer door construction
- Energy efficient R13 insulation for optimal envelope performance.

Common Sizes

48" x 48"
48" x 96"
60" x 60"
60" x 96"
72" x 72"
72" x 96"
66" x 144"
72" x 144"

Custom sizes available

Why Choose Babcock-Davis Smoke Vents?

Because we know what's important to specifiers, roofers, and owners.

Babcock-Davis smoke vents provide automatic vent opening to release smoke, heat and fumes in case of fire and are UL listed and FM 4430 approved.

Babcock-Davis offers a variety of options to coordinate with specific fire detection and fire suppression systems. Thermal, electrical, manual, and remote opening options ensure that whatever the local code is ... we provide a solution that integrates with the buildings design.

Standard smoke vents come with a 12 inch high curb, heavy-duty zinc-plated hinges, positive hold pry latches, and heavy-duty compression springs

Babcock-Davis offers a variety of custom sizes and special options including domed skylight lids, insulated double wall curbs, curb mount, stainless steel hardware, and custom finishes.

Smoke Vent Accessories

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We designed our curb counter flashing and EZ tab systems to minimize roof penetrations and engineered maximum performance in all of our products regardless of their size and complexity because we know that a leak-free roof is your goal.

When you require lasting performance, whether it's a hoistway smoke vent or high-end sound transmission classification for your performance arts center, Babcock-Davis is your best choice.

Timely delivery,
professional service,
and lasting quality:

Babcock-Davis ...
Always right there.

Custom Colors



Corporate-matched colors: our factory-applied, corrosion-resistant, colored powder coat provides aesthetics and durability.

Single Door Smoke Vent



Common Sizes

30" x 30"

30" x 96"

36" x 36"

48" x 48"

Custom sizes available

Double & Quad Door Smoke Vents



Common Sizes

48" x 48"

48" x 72"

48" x 96"

60" x 60"

60" x 72"

60" x 96"

72" x 72"

72" x 96"

96" x 96"

60" x 144"

66" x 144"

72" x 144"

Custom sizes available





Smoke Vent Specifications: SVG, SVA, SVG-X45

- Cover & Liner:** Cover is stiffened to withstand a live load of 40 psf with a max deflection of 1/150th of the span.
 SVG: 14 ga. galvanized steel, 22 ga. galvanized steel liner
 SVA: 11 ga. aluminum, 18 ga. aluminum liner
 SVG-X45: 14 ga. galvanized steel, 12 ga. liner
- Curb Material:** 12" high curb
 SVG: 14 ga. galvanized steel curb with counter flash
 SVA: 11 ga. aluminum curb with counter flash
 SVG-X45: 14 ga. & 12 ga. galvanized steel double wall curb
- Hinge:** Heavy-duty, zinc-plated steel with non-removable pins designed as part of spring assembly
- Latch:** Zinc-plated pryolatch 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
Optional: Electric/thermal heat responsive device to integrate with fire system
- Springs:** Heavy-duty steel compression springs designed to open vent covers automatically against 10 psf of wind or snow load.
 SVG-X45: High-pressure gas springs
- Insulation:** 1" rigid fiberglass in liner and at curb perimeter.
 SVG-X45: 3" R13 insulation in cover and curb perimeter
- Flange:** 3.5" flange (2.5" exposed) with .625" diameter mounting holes
 SVG-X45: 4.75" flange (1.625" exposed) with .5" diameter mounting holes
- Finish:** SVG: Red oxide powder coat finish
 SVA: Mill finish aluminum
- Testing:** UL 793 Listed & FM 4430 approved
 SVG-X45: Additional STC45 & OITC37 rating

Safety Railing Systems (meets or exceeds OSHA 29 CFR 1910.23 standards)



Ladder Access

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



Ship Stair Access

Babcock-Davis forward barrier safety railing system for roof hatches where a side exit is desired.



Offset

Babcock-Davis offset safety railing system for roof hatches that have a ladder or stairway mounted opposite of the hinge.



Swing-Gate Option

Babcock-Davis self closing gate option is an accessory that replaces the chain. The self closing gate provides automatic door closing for added safety.



Counterflash Attachment

Babcock-Davis' railing brackets mount directly to the counterflash and do not penetrate through the roofing membrane.