Bilco®

Since 1926

Automatic Fire Vents

Bilco Automatic Fire Vents protect property and aid firefighters by removing smoke, heat and noxious gases from a burning building. Ideally suited for large expanses of unobstructed space, Bilco Automatic Fire Vents guard factories, warehouses, retail stores, auditoriums, convention centers, and other structures where the protection of life and property is critical.

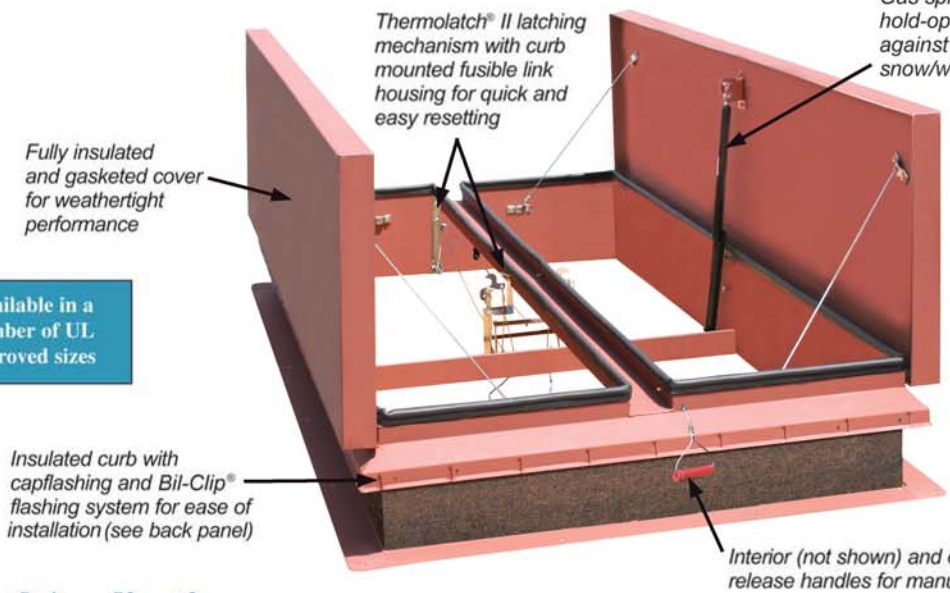
Automatic Fire Vents



Advantages of Automatic Fire Vents

Bilco Automatic Fire Vents allow smoke, heat and gases to exit a burning structure to provide:

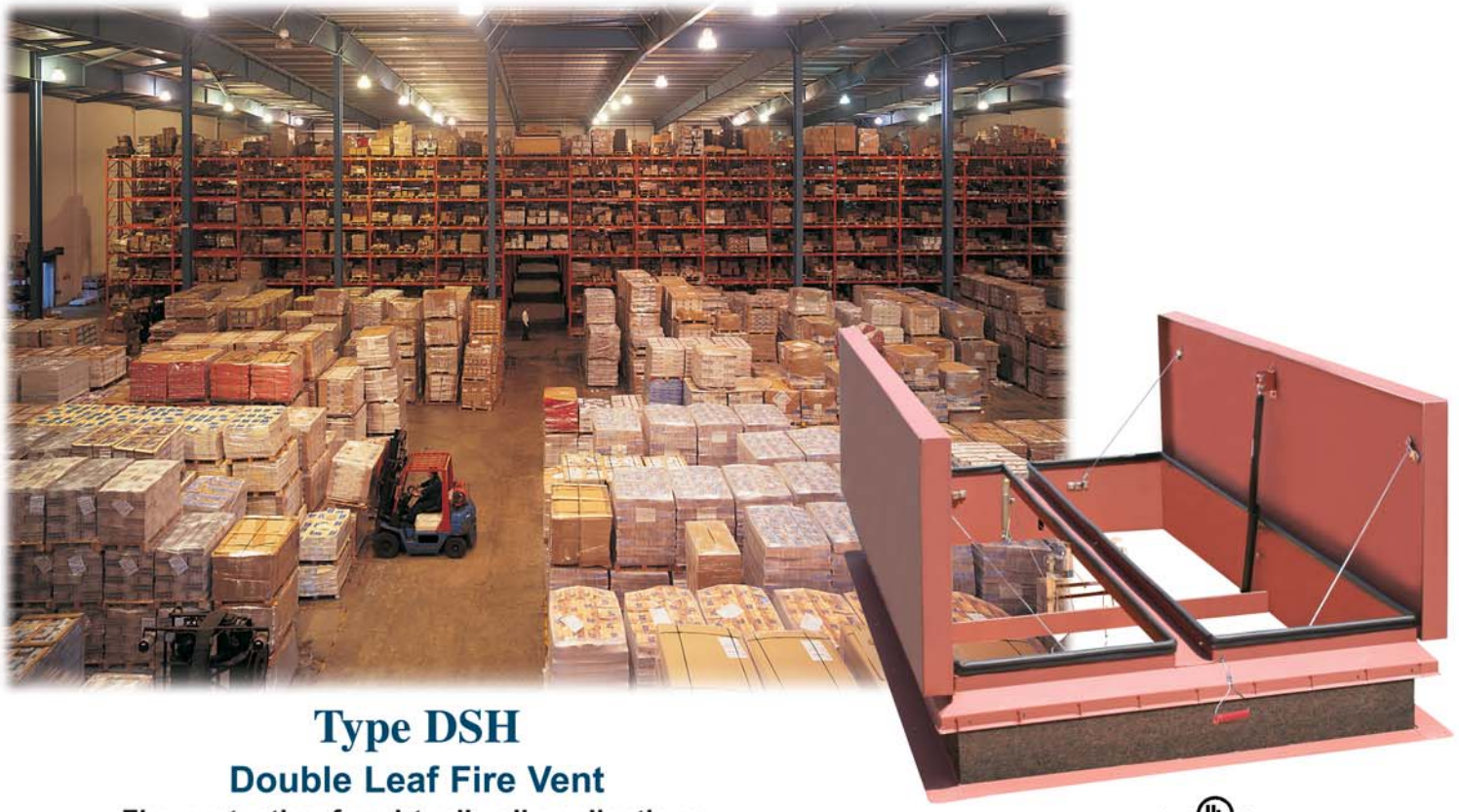
- Increased evacuation time
- Decreased risk of smoke inhalation and damage
- Enhanced visibility to allow firefighters to quickly locate the fire
- Protection against secondary ignitions and lateral fire spread
- Exhausting of noxious and potentially explosive fumes
- Structure protection from damaging heat
- Reduced damage to building contents



Typical Applications

- Aircraft Hangars
- Auditoriums
- Concert Halls
- Convention Centers
- Elevator Shafts
- Factories
- Gymnasiums
- Manufacturing Plants
- Pools
- Processing Plants
- Retail Structures
- Schools
- Storage Facilities
- Transit Facilities
- Warehouses
- Other open floor space facilities





Type DSH

Double Leaf Fire Vent

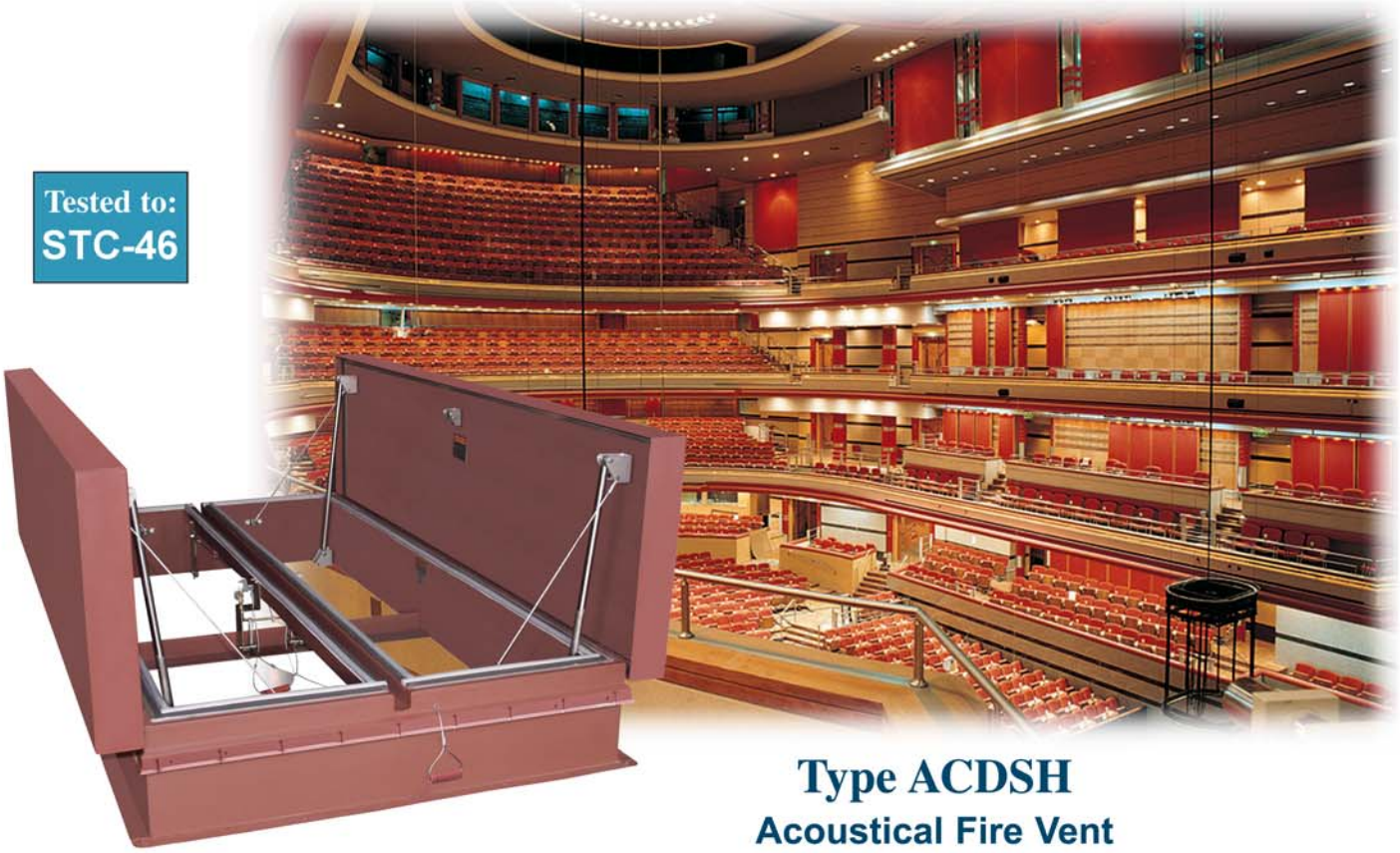
Fire protection for virtually all applications.

The Lumivent®

Double Leaf Translucent Fire Vent

Fire protection with the added benefit of natural lighting.

Tested to:
STC-46



Type ACDSH

Acoustical Fire Vent

Specially insulated to guard against outside noise intrusion.

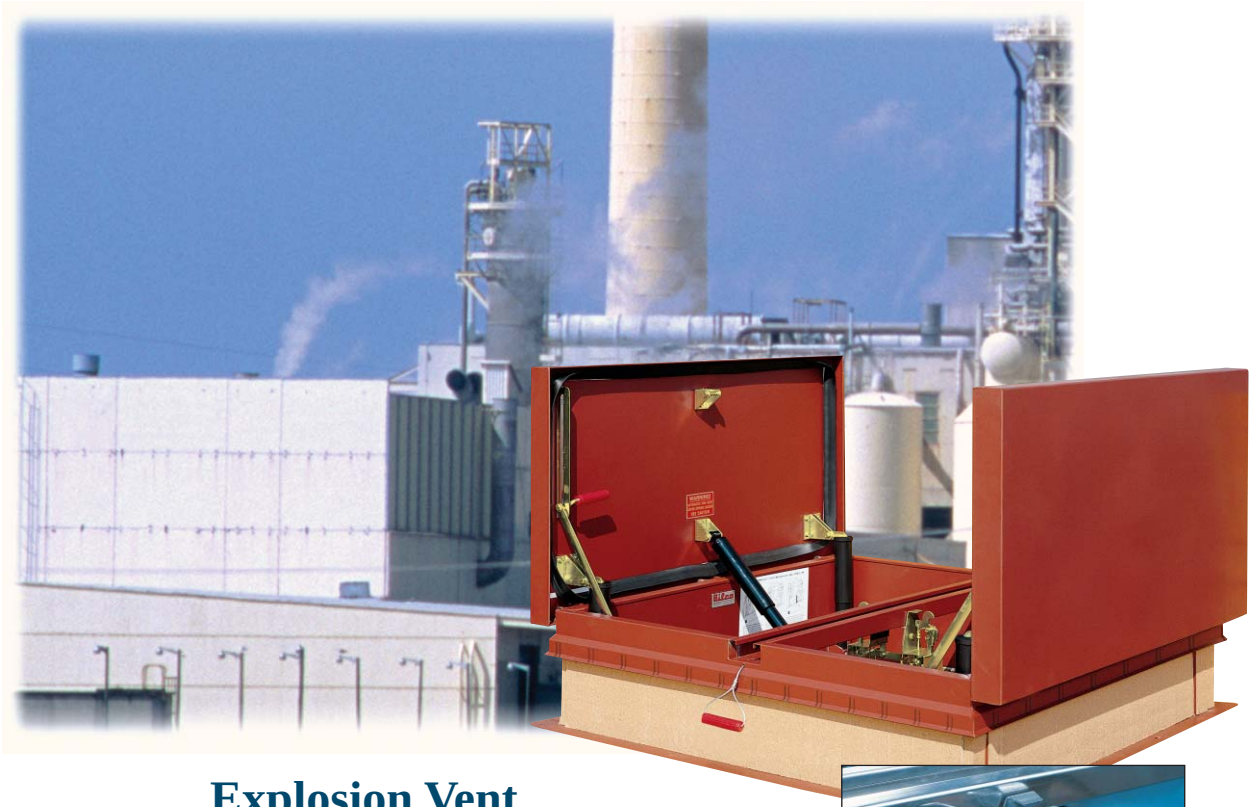
Type SV

Single Leaf Fire Vent

Provides protection in small or confined spaces.
Ideal for use in elevator shafts and stairwells.

Available with built-in louvers and expanded metal grid to meet elevator shaft code requirements.

Automatic Fire Vents



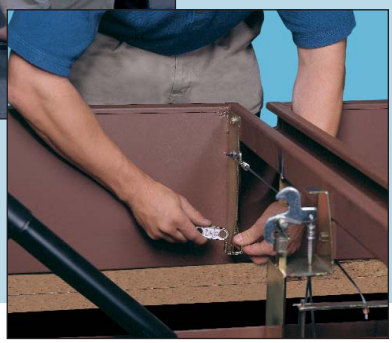
Explosion Vent

Double Leaf Fire Vent

Opens automatically in the event of an internal building explosion

Release mechanism is preset and factory-tested to release at between 25 lb/ft² and 30 lb/ft² (122 kg/m² and 146 kg/m²) of pressure on the underside of the covers.

*Note: Explosion vents utilize the special latching mechanism shown above.



Standard on all Bilco Automatic Fire Vents:

Bilco's Thermolatch® II Positive Hold/Release Mechanism

Automatically releases vent covers upon the melting of a UL-listed 165° (74°C) fusible link. The curb-mounted fusible link housing allows the latch to be quickly and easily reset from the roof level. The Thermolatch® II prevents the covers from being inadvertently opened by wind, building vibrations or other factors. Interior and exterior pull handles are provided for manual operation without disturbing the fusible link.

Automatic Fire Vents

Options

Bilco automatic fire vents can be supplied with a number of options to meet your fire protection requirements. In addition to the options below, Bilco's engineering department can also custom design products for your unique applications.

Fire Alarm Activation

Bilco automatic fire vents can be modified to open upon receiving a signal from a fire alarm control panel. The latching mechanism on these vents is equipped with either an electric operator or an electric thermal link (ETL) that releases the covers instantaneously upon receiving an electric impulse.

Smoke Detector Activation

Bilco fire vents can be modified to open upon receiving a signal from a smoke detector. These vents utilize the same latching mechanism as vents designed for fire alarm activation and can be supplied with a smoke detector.

Remote Operation

Bilco automatic fire vents are ruggedly constructed and are designed so that they can be opened on a regular basis. Vents provide a convenient means of ventilating work areas in manufacturing facilities and can also be used over theater stage areas for ventilation during performances. In addition to building ventilation, remote operation from the floor level can be required by some local fire officials for testing purposes.

Motorized: Utilizes an electric motor operator and 3-push button control (open/close/stop) to operate the vent covers.

Winch operation: Utilizes a manual winch and rigging to operate the vent covers. Pulleys and cable can be supplied by Bilco when specified.

Optional Activation Temperatures

Bilco automatic fire vents are supplied with a standard 165°F (74°C) fusible link for automatic vent operation. In some cases, higher activation temperatures are required for the vents to be used in conjunction with building sprinkler systems. Alternate fusible link temperatures can be supplied when specified.

Security Options

The Bilco Company offers a number of fire vent options to prevent unauthorized building entry.

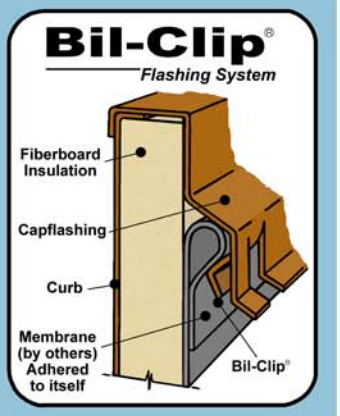
Security Grilles: Heavy bars permanently welded in place across the curb opening. Bars are spaced to prevent building access and maximize ventilation area.

Indicator switches: Allow vents to be wired into a building's alarm system. Indicator switches are curb mounted and send a signal to the alarm control panel when the vent covers are opened.

Lockable enclosure: The exterior manual pull release may be supplied with an enclosure that can be padlocked to prevent unauthorized opening of the covers from the roof level.

Standard on all Bilco Fire Vents

The Bil-Clip® flashing system provides an innovative method to quickly and easily secure single-ply roofing material to Bilco roof products. Approved by leading single-ply roofing manufacturers, the Bil-Clip ® flashing system is a part of the integral curb capflashing on all Bilco fire vents. Installation time and related installation costs are greatly reduced and a more effective mechanical termination — which does not rely on adhesives alone — is provided.



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