



Stainless Steel Hardware



Curb Modification for Metal Buildings



Built-in Louvers



Winch Operation



Motorized Operation

Common Options

Stainless Steel Hardware

For installation in highly corrosive environments, Bilco smoke vents and roof hatches may be equipped with Type 316 stainless steel hardware, including: slam latch and lifting mechanism assemblies; hold-open and guide arms; and all brackets, hinges, pins, and fasteners.

Curb Options

All BILCO roofing products may be specified with either a curb liner (metal insulation liner of the same materials as the curb and capflashing) or a fully enclosed curb (full metal insulation liner of the same materials as the curb, which replaces the capflashing). Built-in louvers are available for roof hatches and for automatic smoke vents to meet elevator-shaft code requirements. Base flanges can be supplied with configurations for most brands of metal building roof panels. This option offers simplified installation, and includes a built-in self-drainage feature that eliminates water accumulation on the up-slope side.

Insulation

BILCO offers insulation options to enhance the energy efficiency of its roofing products. Standard roof products are supplied with standard 1" (25mm) fiberglass insulation in the covers and 1" (25mm) fiberboard insulation in the curb. When specified, products can be supplied with up to 2" (50mm) of Styrofoam or polyisocyanurate insulation in the cover and curb. Single leaf roof hatches can also be supplied in a thermally broken design that features 3" (75mm) of polyisocyanurate insulation in the cover and curb.

Special Finishes

- Factory applied powder coat paint finish is available on all steel and aluminum products. Finish is available in four standard colors and custom colors can be specified.
- Kynar[®] finish in custom colors (aluminum products only)
- Tnemec[®] finish in custom colors (steel and aluminum products)
- Clear anodized finish (aluminum products only)
- Custom finishes can also be specified

Powder Coat Standard Colors



White



Yellow



Bronze



Black

Motorized or Winch Operation

To provide a convenient means of ventilating work areas, automatic smoke vents can be equipped with motor operators for actuation by remote push-button control or other electrical signal. They can also be furnished with rigging for manual winch operation at the floor level. Roof hatches can also be designed for motor or winch operation.

Other Options

In addition to standard options, BILCO's custom engineering capabilities can provide you with the exact roof product to meet your unique requirements.



Keyed Cylinder Locks

Roof Hatch Options

Security

All BILCO roof hatches are supplied with a standard slam lock that includes an interior and exterior padlock hasp to prevent unauthorized access. BILCO also offers the options listed below for enhanced building security.

Keyed Cylinder Locks

Deadbolt cylinder locks provide keyed exterior access and are available with either keyed or turn knob interior access. Cylinder locks are an ideal security enhancement for many applications. For added security and weathertightness, the lock cylinder is accessed from the exterior through a gasketed, threaded deck plate.



Detention Locks

Detention Locks

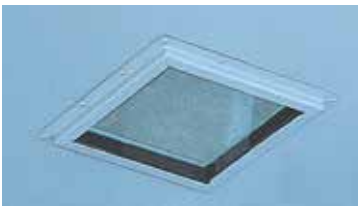
Detention locks provide keyed interior and exterior access and are ideal for correctional facilities and other buildings requiring a maximum level of security. For added security and weathertightness, the lock is accessed from the exterior through a gasketed, threaded deck plate. BILCO roof hatches can be prepared for field installation of many leading lock brands.

Emergency Egress Lock

BILCO roof hatches can be supplied with a panic lock for rapid egress in an emergency situation. Panic locks are available with keyed exterior access when specified.

Indicator Switches

Allow roof hatches 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 hatch cover is opened.



Security Glazing

Security Glazing

Security glazing allows personnel to visibly scan a secure area before entering or exiting a roof area. Glazing is available in a number of ballistic ratings with varying levels of security.

Smoke Vent Options

Electric Activation

Automatic smoke vents can be supplied with an electric Thermolatch® to allow the vents to be operated by a smoke detector or fire alarm control panel. In addition to electric activation, these vents feature fusible link activation and provisions for manual operation. Electric latches can be supplied for 115 VAC, 24 VAC, 220 VAC, and 24V DC power requirements.



Electric Activation

Security Grilles

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

Explosion Vents

BILCO Type SV and Type DSH automatic smoke vents may also be equipped to operate as explosion vents or as combination fire/explosion vents. The 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. Not available on Type ACDSH or Lumivent models.

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.

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.



Explosion Vents