

STC-45 Acoustical Heat & Smoke Vent

Guide Specification

Milcor Acoustical ULP-STC-45 automatically operating heat and smoke vents carry a STC-45 acoustical rating and are Factory Mutual approved. Sizes are as indicated on pages 14 and 15.

Frame

Welded 20" height, 14-gauge galvanized steel curb complete with 5-1/2" pre-drilled mounting flanges and same gauge counterflashing. A layer of 1" sheetrock and 2" fiberglass insulation is fully covered and protected by a 22-gauge galvanized steel liner to provide excellent sound deadening.

Covers

Upper covers are 14-gauge galvanized steel. Acoustical insulation on upper covers is rigid foam 2" in thickness fully bonded and protected by a 22-gauge galvanized steel cover liner. Lower covers are continuously hinged and are 14-gauge galvanized steel. Acoustical insulation in the lower covers is fully covered and protected by a 22-gauge galvanized liner.

Operation

- Covers automatically spring open to approximately 90 degrees in the event of fire, actuated by the parting of a single UL-listed 165°F fusible link, and automatically lock in fully open position.
- Upper covers are of double-leaf construction, equipped with sufficient torsion spring operators to open against a 10 psf snow or wind load. Lower covers release and swing down when link is broken.
- Units are equipped with hydraulic shock absorbers to control cover opening speed and prevent over-travel.
- Covers will not open when subjected to uplift pressure up to 30 psf.
- Vent design allows covers to be released manually from inside or outside without disturbing the fusible link assembly. Manual release available on standard units only. May require deletion on vents with optional special releases or winches.
- Covers latch automatically and manual release mechanism resets automatically by closing covers. Bottom covers must be manually latched.

UL-SKY Flat Panel Skylight Heat and Smoke Vent

Guide Specification

Milcor UL-SKY automatically operating heat and smoke vents. Sizes are as indicated on page 16.

Frame

Welded 13-1/2" height, 16-gauge galvanized steel (UL-SKY), or .090 aluminum (UL-SKYA) curb complete with 3-1/2" pre-drilled mounting flanges and same gauge counterflashing, and 1" thick exterior insulation.

Covers

Damage resistant, light admitting, polycarbonate panels surrounded by an extruded aluminum frame. Consult Milcor for tint options that are available.

Operation

- Covers automatically spring open to approximately 90 degrees in the event of fire, actuated by the parting of a single UL-listed 165°F fusible link, and automatically lock fully open.
- Covers are of double-leaf construction, with each leaf equipped with sufficient torsion spring operators to open against a 10 psf snow or wind load.
- Testing proves covers will support 400 ft/lb of impact.
- Units are equipped with hydraulic shock absorbers to control cover opening speed and prevent over-travel.
- Covers will not open when subjected to uplift pressure up to 30 psf.
- Vent design allows covers to be released manually from inside or outside without disturbing the fusible link assembly.
- Covers latch automatically and manual release mechanism resets automatically by closing covers.

UL-SEE Domed Skylight Heat & Smoke Vent

Guide Specification

Milcor UL-SEE automatically operating heat and smoke vents are listed by Underwriters Laboratories, Inc. and Factory Mutual Research Corporation. Sizes are as indicated on page 17.

Frame

Welded 13-1/2" height, 16-gauge galvanized steel (UL-SEE), or .090 aluminum (UL-SEEA) curb complete with 3-1/2" pre-drilled mounting flanges and same gauge counterflashing, and 1" thick exterior insulation.

Covers

Damage resistant, light admitting, polycarbonate outer dome with 1/8" polycarbonate inner dome, surrounded by an extruded aluminum frame. Consult Milcor for tint options that are available.

Operation

- Covers automatically spring open to approximately 90 degrees in the event of fire, actuated by the parting of a single UL-listed 165°F fusible link, and automatically lock fully open.
- Covers are of double-leaf construction, with each leaf equipped with sufficient torsion spring operators to open against a 10 psf snow or wind load.
- Units are equipped with hydraulic shock absorbers to control cover opening speed and prevent over-travel.
- Covers will not open when subjected to uplift pressure up to 30 psf.
- Vent design allows covers to be released manually from inside or outside without disturbing the fusible link assembly.
- Covers latch automatically and manual release mechanism resets automatically by closing covers.