



Type VSB™ Building Vents

Low pressure explosion vent designed to protect buildings and structures.

Introduction

The VSB™ explosion relief vent is designed for architects, engineers, and end users seeking to protect low strength structures from overpressure, such as storage buildings designed for processing, handling, or storing combustible dusts or flammable materials.

The panels conform to the requirements of NFPA 68 for non-fragmenting devices that do not pose projectile hazards. VSB vents are designed for vertical installation.

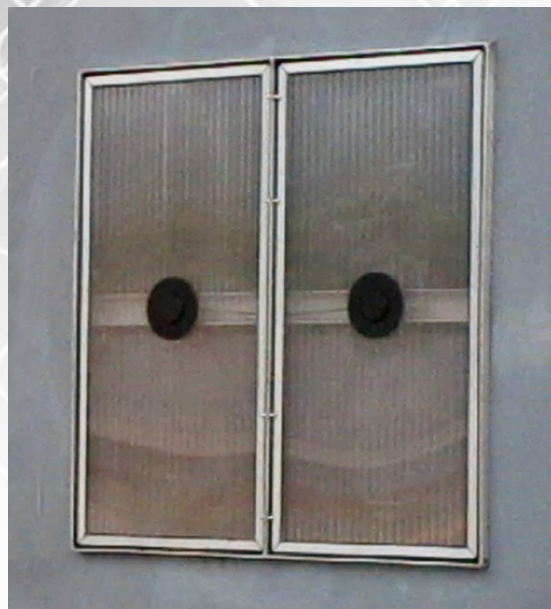
Features

- Set pressures available from 20 pounds per square foot (10 mBar).
- Low mass, simple installation.
- Designed for non fragmentation.
- Translucent construction.
- Excellent insulating properties.
- Simple reset if activated by air pressure.
- Hinges from the top upon activation.

VSB Vent Design

- Translucent polycarbonate vent panel.
- Aluminum perimeter frame (anodized).
- Dual seal from frame to vent panel.
- Centrally mounted 'burst tab' to control set pressure (factory set).
- Dynamic release cord and hinge that retains vent after activation.

Polycarbonate vent construction permits transmission of daylight while maintaining insulation properties similar to double panel glass (typical R value of 2.7) and an impact strength rating of over 200 times that of single panel glass.



VSB Vent Size

The VSB vent system is custom sized up to 48" x 72" (1220mm x 1830mm). Multiple VSB vent panels can be supplied as an array in a single frame up to 96" x 72" (2240mm x 1830mm) and multiple VSB arrays can be combined to achieve large total vent areas.

Installation

VSB explosion vent systems are supplied ready to use as either a single opening device or as an array of vent panels to provide a large relief area. The VSB vent system is designed to precision fit to vertical building apertures. Adjustments and refit are conducted from inside the building.

US patent 7,950,408 and international patents apply.

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