

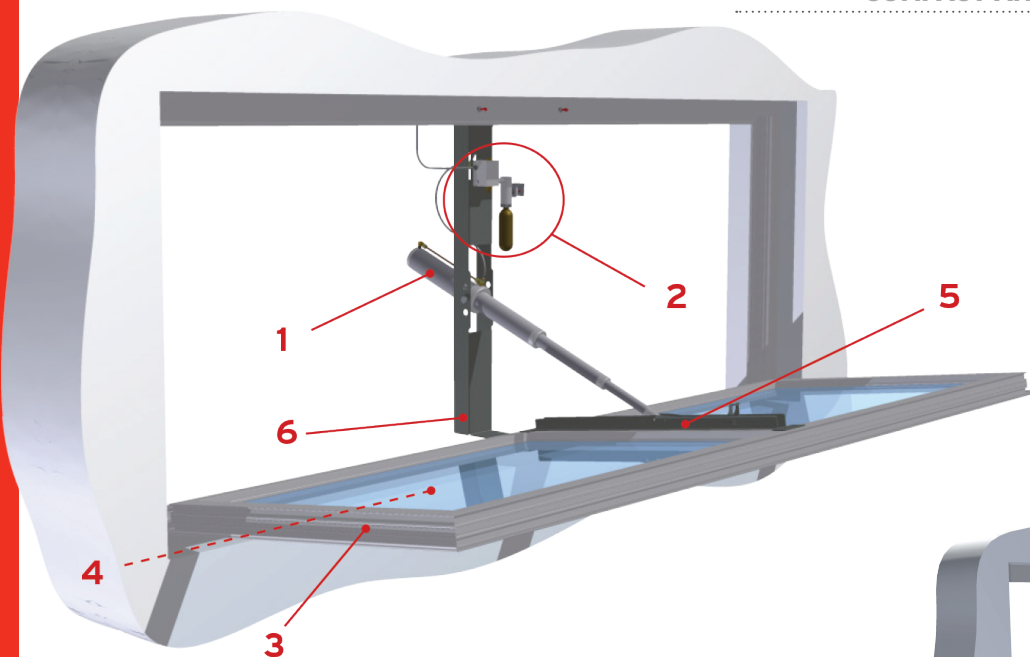


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FREE SMOKE FSV09

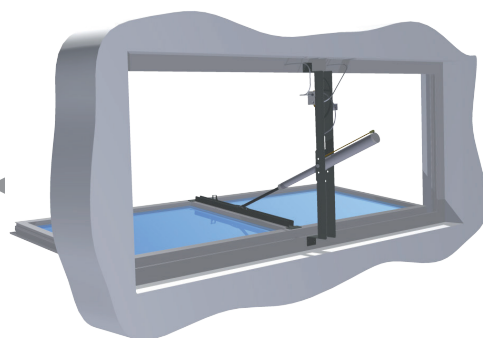
Vertical natural smoke and heat ventilator system.

EXCLUSIVE TECNOCUPOLE PATENT ✓
COMPACT AND VERSATILE SYSTEM ✓



▶ External view of the NSHEV FREE SMOKE V device

Internal view ◀



- 1 Pneumatic cylinder with multiple stages.
- 2 Thermal valve with CO₂ gas cylinder and a glass thermal fuse vial with customizable calibration.
- 3 Opening frame made of extruded aluminum.
- 4 Variable thickness alveolar polycarbonate paneling upon request.
- 5 Upper bracket.
- 6 Lower bracket

Free Smoke V 09 is a patented, compact, and versatile natural smoke and heat exhaust ventilator for vertical applications, available in both top-hung and side-hung configurations. The frame and sash can be constructed using cold profiles or thermally broken profiles, combined with glazing panels made of glass or alveolar polycarbonate with various thicknesses.

The opening device consists of a multi-section pneumatic cylinder hinged between two parallel brackets, a CO₂-filled cylinder, a glass thermal fuse vial (available in different calibrations), and a thermal valve. The presence of an additional deadbolt cylinder ensures the ability to open the sash for periodic maintenance and cleaning activities.

The NSHEV Free Smoke is a device designed for emergency use only and requires manual closure from the roof.

PERFORMANCE CLASSES IN DoP

PRODUCT DESCRIPTION:	Free Smoke FSV09	LOW ENVIRONMENTAL TEMPERATURE:	T-0° C
SERIAL NUMBER:	#####	WIND LOAD:	WL 1500
OPERATION	automatic/automatic + manual	HEAT RESISTANCE:	B 300
TEMPERATURE OF THERMAL START-UP:	68°C / 93°C / 141°C / 181°C	FIRE REACTION OF THE INFILL MATERIAL:	B-s1, d0 for polycarbonate
EFFECTIVE AERODYNAMIC SURFACE AREA Aa:	variable according to device size		
RELIABILITY:	RE 50		
OPENING UNDER LOAD:	SL 0		

