

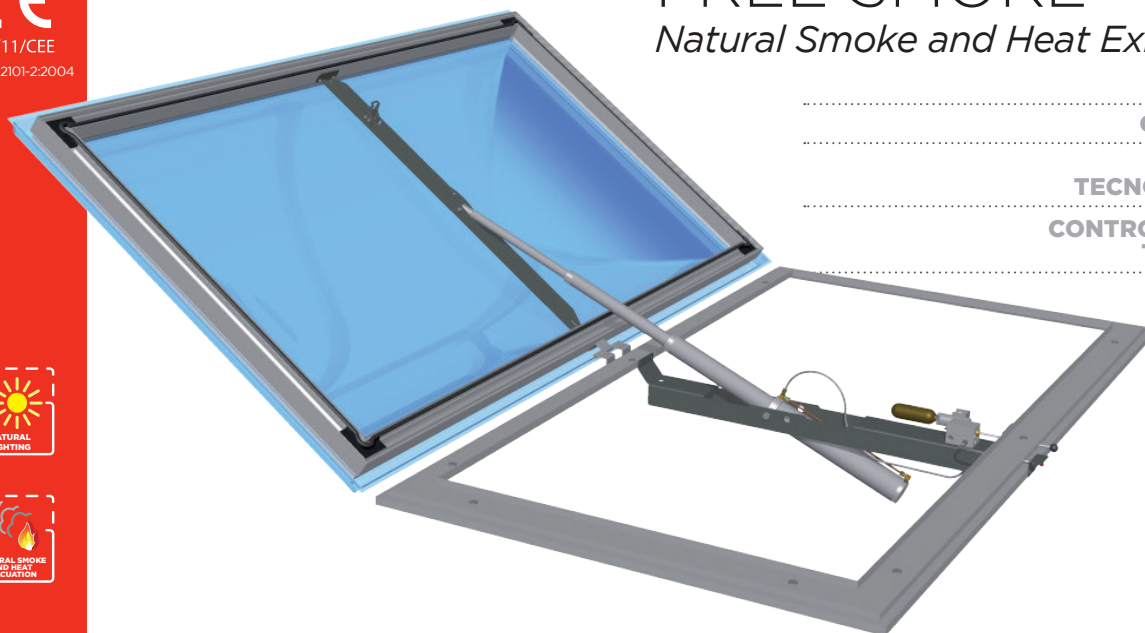


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UNI-EN 12101-2:2004



# FREE SMOKE

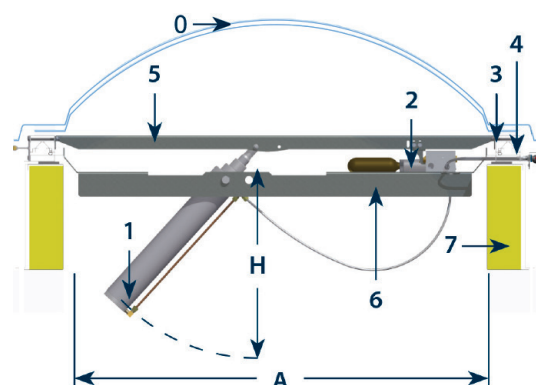
## Natural Smoke and Heat Exhaust Ventilator



- COMPACT SYSTEM ✓
- EXCLUSIVE TECNOCUPOLE PATENT ✓
- CONTROLLED THRUST UP TO FULL OPENING ✓

► Overall view of the NSHEV FREE SMOKE device

- 0 dome
- 1 pneumatic cylinder with three-stage operation using a mixed gas (CO<sub>2</sub>/OIL)
- 2 thermal valve with CO<sub>2</sub> gas cylinder and customizable calibrated glass ampoule
- 3 natural extruded aluminum opening frame
- 4 removable latch for external opening for periodic maintenance
- 5 upper bracket
- 6 lower bracket
- 7 curb



Foro solaio, vano passaggio fumo

NSHEV Free Smoke is a patented and compact system consisting of an aluminum frame with a sealing gasket, aluminum hinges, galvanized steel rivets and fittings, and an opening device with a three-stage pneumatic cylinder operating with a mixed gas of CO<sub>2</sub>/OIL, pivotally mounted between two parallel brackets. It also includes a CO<sub>2</sub> cylinder, a thermal fuse ampoule (with various available calibrations), and a thermal valve.

The presence of an additional latch cylinder ensures the possibility to open the sash for periodic maintenance and cleaning activities.

The device can be connected to a remote pneumatic opening without any additional accessories. The NSHEV Free Smoke is a device designed for emergency opening only and requires manual closing from the roof.

### CYLINDER SIZE WHEN OPENING

H (mm)	Net-A light (mm)
400	≤ 860
440	> 860/ < 1400
620	≤ 1400

### PERFORMANCE CLASSES IN DoP

PRODUCT DESCRIPTION:	Free Smoke	LOW ENVIRONMENTAL TEMPERATURE:	T-25° 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	SPOILER RESISTANCE:	Not present
RELIABILITY:	RE 50		
OPENING UNDER LOAD:	SL 1000 if the geometric surface area is less than or equal to 3m <sup>2</sup> . SL 500 if the geometric surface area is greater than or equal to 3m <sup>2</sup> .		

Approfondisci



Check STANDARD DIMENSIONS IN THE LIST



The information and performance indicated in this data sheet refer to the complete SHEV system including the curb and skylight (for further details regarding these specific items, please refer to the relevant datasheets).