

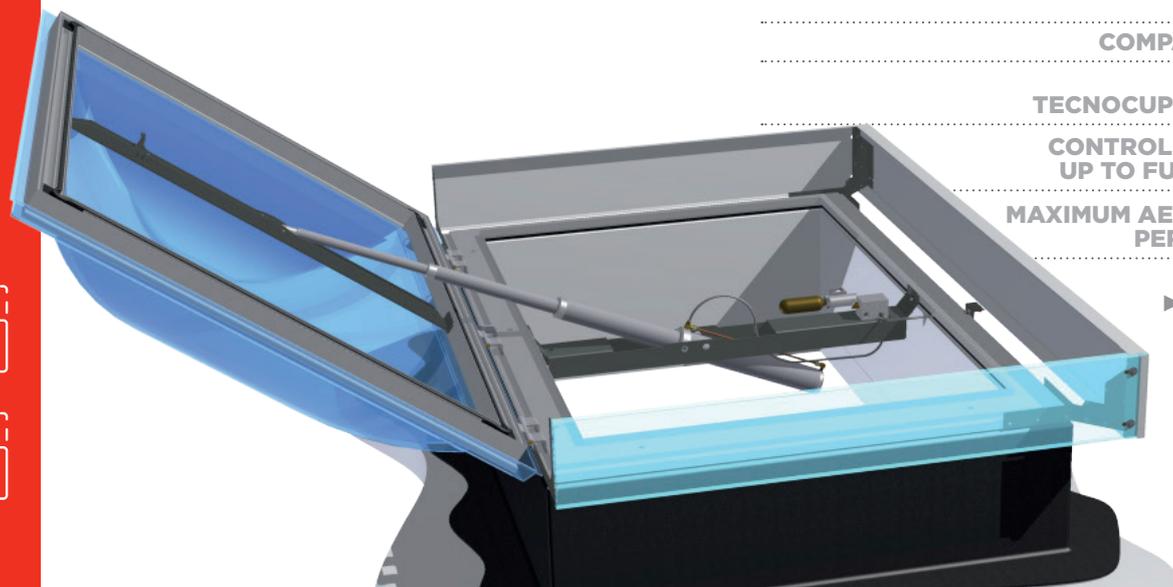


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UNI-EN 12101-2:2004

FREE SMOKE with spoiler

Natural Smoke and Heat Exhaust Ventilators

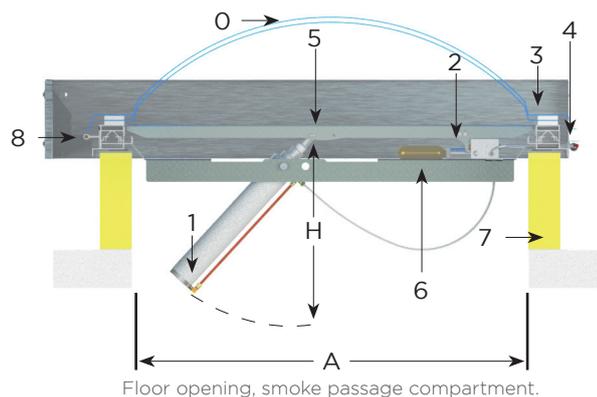


COMPACT SYSTEM ✓

EXCLUSIVE
TECNOCUPOLE PATENT ✓CONTROLLED THRUST
UP TO FULL OPENING ✓MAXIMUM AERODYNAMIC
PERFORMANCE ✓

► Overall view of
the NSHEV FREE
SMOKE
device

- 0 dome
- 1 pneumatic cylinder with three-stage operation using a mixed gas (CO₂/OIL)
- 2 thermal valve with CO₂ 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
- 8 spoiler



Floor opening, smoke passage compartment.

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 CO₂/OIL, pivotally mounted between two parallel brackets. It also includes CO₂ cylinder, a thermal fuse vial (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 NSHEV Free Smoke is a device designed for emergency opening only and requires manual closing from the roof.

The presence of the spoiler ensures the maximum aerodynamic performance Aa.

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 with spoiler | BASSA TEMPERATURA AMBIENTE: | T-25° C |
| SERIAL NUMBER: | ##### | CARICO VENTO: | WL 1500 |
| OPERATION: | automatic/automatic + manual | RESISTENZA AL CALORE: | B 300 |
| TEMPERATURE OF THERMAL START-UP: | 68°C / 93°C / 141°C / 181°C | REAZIONE AL FUOCO DEL TAMPONAMENTO: | B-s1, d0 for polycarbonate |
| EFFECTIVE AERODYNAMIC SURFACE AREA Aa: | variable according to device size | RESISTENZA DEGLI SPOILER: | frequency 10 Hz |
| RELIABILITY: | RE 50 | | |
| OPENING UNDER LOAD: | SL 1000 if the geometric surface area is less than or equal to 3m ² . SL 500 if the geometric surface area is greater than or equal to 3m ² . | | |



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



Approfondisci

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