

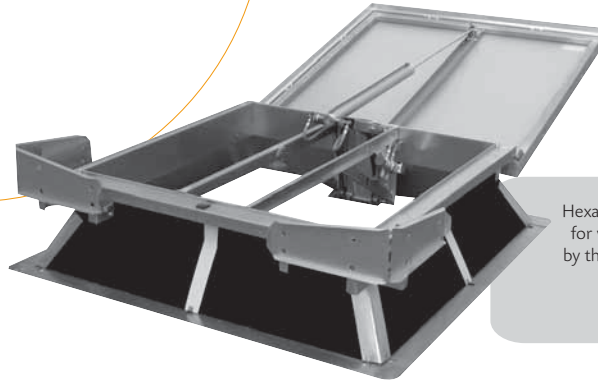
Waterproofed  
roof

# Hexasteel MoP

Smoke vents range

NSHEV Single Flap (Pneumatic)  
CE - This smoke vent meets the  
European regulation EN 12101-2  
in force.

CE



Hexasteel MoP (one opening flap) is designed for waterproofed roof, and can be controlled by thermofuse and/or central pneumatic box.

Also available with oblique upstand (for a better geometrical area).

Dimensions

Performances

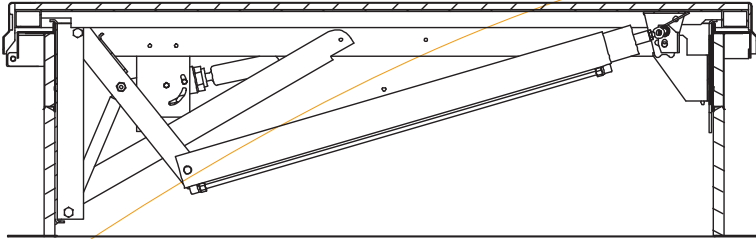
Characteristics

| References         | DT <sup>(1)</sup><br>l x L<br>in cm | DB <sup>(1)</sup><br>l x L<br>in cm | Geometrical<br>Area<br>(Av)<br>in m <sup>2</sup> | Lighting<br>Surface<br>(SLu)<br>in m <sup>2</sup> | Aerodynamical Area (Aa)<br>in m <sup>2</sup> |              |          | Working pressure (bar) <sup>(4)</sup> |                       |                       |                       | Total volume<br>of pistons<br>in liters (L) |
|--------------------|-------------------------------------|-------------------------------------|--|---|--|--------------|----------|---------------------------------------|-----------------------|-----------------------|-----------------------|---|
|                    |                                     |                                     |  |   | E (Eco)                                      | S (Standard) | + (Plus) | PCA <sup>(2)</sup>                    |                       | CAI/DD <sup>(2)</sup> |                       |   |
|                    |                                     |                                     |  |   |  |              |          | SL 250 <sup>(3)</sup>                 | SL 550 <sup>(3)</sup> | SL 250 <sup>(3)</sup> | SL 550 <sup>(3)</sup> | PCA/CAI-DD                                  |
| C 100 straight     | 100 x 100                           | 100 x 100                           | 1,00   | 1,00  | 0,50   | 0,69         | 0,74     | 10                                    | 16                    | 10                    | 12                    | 0,71 / 1,11                                 |
| C 120 straight     | 120 x 120                           | 120 x 120                           | 1,44   | 1,44  | 0,72   | 0,96         | 1,07     | 9                                     | 17                    | 10                    | 12                    | 1,11 / 1,76                                 |
| C 140 straight     | 140 x 140                           | 140 x 140                           | 1,96   | 1,96  | 0,98   | 1,28         | 1,45     | 10                                    | 14                    | 10                    | 16                    | 2,55  |
| C 150 straight     | 150 x 150                           | 150 x 150                           | 2,25   | 2,25  | 1,13   | 1,49         | 1,66     | 10                                    | 16                    | 10                    | 18                    | 2,55  |
| C 160 straight     | 160 x 160                           | 160 x 160                           | 2,56   | 2,56  | 1,28   | 1,69         | 1,86     | 10                                    | 19                    | 12                    | 21                    | 2,69  |
| 100 x 140 straight | 100 x 140                           | 100 x 140                           | 1,40   | 1,40  | 0,70   | 0,93         | 1,04     | 12                                    | 15                    | 10                    | 13                    | 1,11 / 1,76                                 |
| 100 x 150 straight | 100 x 150                           | 100 x 150                           | 1,50   | 1,50  | 0,75   | 0,99         | 1,11     | 13                                    | 16                    | 10                    | 13                    | 1,11 / 1,76                                 |
| 100 x 200 straight | 100 x 200                           | 100 x 200                           | 2,00   | 2,00  | 1,00   | 1,30         | 1,48     | 10                                    | 12                    | 10                    | 13                    | 1,76  |
| C 100 oblique      | 100 x 100                           | 120 x 120                           | 1,44   | 1,00  | 0,72   | 0,79         | –        | 10                                    | 16                    | 10                    | 12                    | 0,71 / 1,11                                 |
| C 120 oblique      | 120 x 120                           | 140 x 140                           | 1,96   | 1,44  | 0,98   | 1,13         | –        | 9                                     | 17                    | 10                    | 12                    | 1,11 / 1,76                                 |
| C 130 oblique      | 130 x 130                           | 150 x 150                           | 2,25   | 1,69  | 1,13   | 1,32         | –        | 10                                    | 12                    | 11                    | 13                    | 1,76  |
| C 140 oblique      | 140 x 140                           | 160 x 160                           | 2,56   | 1,96  | 1,28   | 1,53         | –        | 10                                    | 14                    | 10                    | 16                    | 2,55  |
| C 150 oblique      | 150 x 150                           | 170 x 170                           | 2,89   | 2,25  | 1,42   | 1,76         | –        | 10                                    | 16                    | 10                    | 18                    | 2,55  |
| C 160 oblique      | 160 x 160                           | 180 x 180                           | 3,24   | 2,56  | 1,56   | 2,02         | –        | 10                                    | 19                    | 12                    | 21                    | 2,69  |
| C 180 oblique      | 180 x 180                           | 200 x 200                           | 4,00   | 3,24  | 1,76   | 2,56         | –        | 14                                    | 26                    |                       |                       | 2,69  |
| C 200 oblique      | 200 x 200                           | 220 x 220                           | 4,84   | 4,00  | 1,98   | 3,15         | –        | 11                                    | 21                    |                       |                       | 4,34  |
| 100 x 140 oblique  | 100 x 140                           | 120 x 160                           | 1,92   | 1,40  | 0,96   | 1,14         | –        | 12                                    | 15                    | 10                    | 13                    | 1,11 / 1,76                                 |
| 100 x 150 oblique  | 100 x 150                           | 120 x 170                           | 2,04   | 1,50  | 1,02   | 1,22         | –        | 13                                    | 16                    | 10                    | 13                    | 1,11 / 1,76                                 |
| 100 x 200 oblique  | 100 x 200                           | 120 x 220                           | 2,64   | 2,00  | 1,32   | 1,64         | –        | 10                                    | 12                    | 10                    | 13                    | 1,76  |
| 120 x 160 oblique  | 120 x 160                           | 140 x 180                           | 2,52   | 1,96  | 1,26   | 1,56         | –        | 10                                    | 15                    | 12                    | 17                    | 1,76  |
| 120 x 180 oblique  | 120 x 180                           | 140 x 200                           | 2,80   | 2,16  | 1,40   | 1,74         | –        | 10                                    | 15                    | 10                    | 10                    | 1,74 / 2,84                                 |
| 120 x 200 oblique  | 120 x 200                           | 140 x 220                           | 3,08   | 2,40  | 1,51   | 1,91         | –        | 10                                    | 15                    | 10                    | 11                    | 1,76 / 2,84                                 |
| 140 x 200 oblique  | 140 x 200                           | 160 x 220                           | 3,52   | 2,80  | 1,62   | 2,22         | –        | 11                                    | 20                    | 10                    | 14                    | 2,55 / 4,11                                 |
| 160 x 200 oblique  | 160 x 200                           | 180 x 220                           | 3,96   | 3,20  | 1,74   | 2,53         | –        | 12                                    | 23                    |                       |                       | 2,69  |

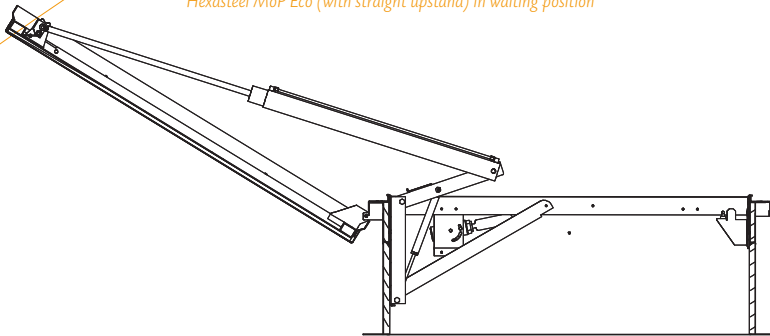
(1) DT = Dimension Top of upstand (Commercial reference) - DB = Dimension Bottom of upstand (Geometrical area) - (2) PCA = Multilayer Polycarbonate panels 10 or 16 mm, CAI = Insulated Aluminium Cover and DD = Double Dome - (3) SL 250 (0-400 m of altitude) - SL 550 (400-800 m of altitude and more) - (4) Minimum pressure of CO<sub>2</sub> for closing = 8 bar

# Hexasteel MoP

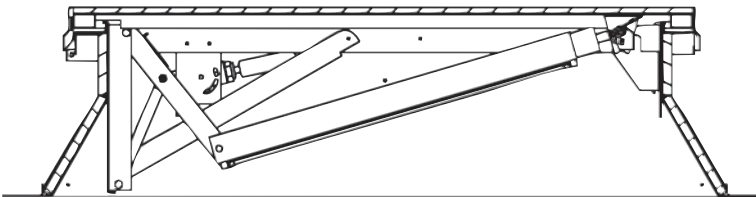
Smoke vents range



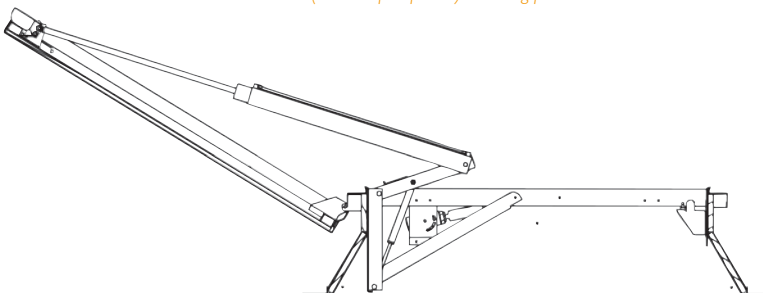
Hexasteel MoP Eco (with straight upstand) in waiting position



Hexasteel MoP Eco (with straight upstand) in safety position



Hexasteel MoP Eco (with oblique upstand) in waiting position



Hexasteel MoP Eco (with oblique upstand) in safety position - Opening 165°

### COMPONENTS:

- A metallic upstand 30, 40 or 50 cm high, which can be equipped with an insulation board 15 mm ( $U_f = 2.5W/m^2 K$ ) or 30 mm ( $U_f = 1.5 W/m^2 K$ ). The surface of the insulation can be bitumen or PVC coated for a direct weld with the waterproofing membrane.
- An aluminium frame which protects the periphery of dome or PCA.
- A thermofuse pre-installed in the factory.
- One opening flap controlled by thermofuse and/or central pneumatic box. The opening power is given by 1 CO<sub>2</sub> piston integrated in the whole system. The opening and closing function is controlled from the floor by activating a CO<sub>2</sub> cartridge for opening and a CO<sub>2</sub> cartridge for closing.
- In option, an electric drive 230V can be installed for daily ventilation purpose (opening of 30 cm).

### FILLING:

- Our standard:
  - PCA 10 mm 4 skins
- In option:
  - PCA 16 mm 7 skins
  - Double dome in PMMA, polycarbonate or Hexachoc 1200J
  - Insulated aluminium cover

For additional details, see the rubric of the options.

|                    |   |
|--------------------|---|
| Working            | Type B opening + closing                                    |
| Cycles             | Re 10,000 (daily ventilation) + Re 1,000 (smoke extraction) |
| Snow load          | SL 250 or SL 550  |
| Low Temperature    | T (-15°)  |
| Wind load          | WL 1 500 Pa   |
| Resistance to heat | B 300 °C  |