

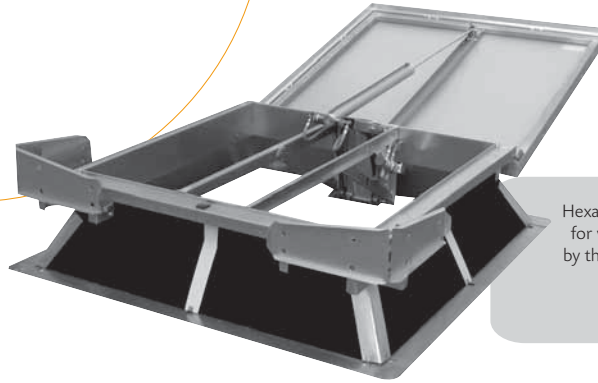
Waterproofed
roof

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

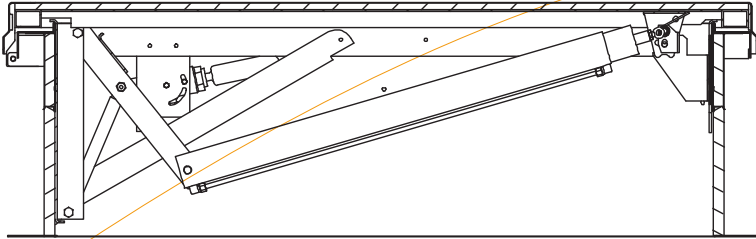
Characteristics

References	DT ⁽¹⁾ l x L in cm	DB ⁽¹⁾ l x L in cm	Geometrical Area (Av) in m ²	Lighting Surface (SLu) in m ²	Aerodynamical Area (Aa) in m ²			Working pressure (bar) ⁽⁴⁾				Total volume of pistons in liters (L)
					E (Eco)	S (Standard)	+ (Plus)	PCA ⁽²⁾		CAI/DD ⁽²⁾		
								SL 250 ⁽³⁾	SL 550 ⁽³⁾	SL 250 ⁽³⁾	SL 550 ⁽³⁾	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

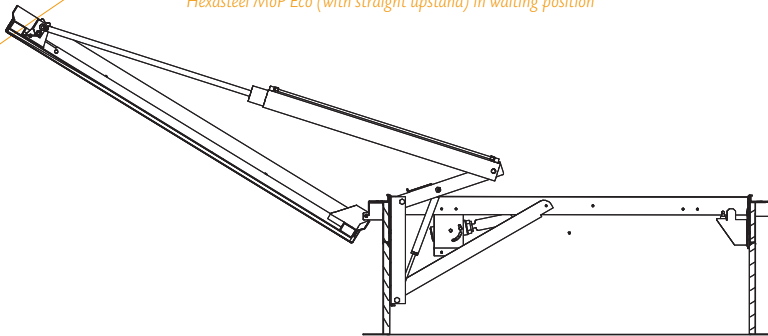
(1) DT = Dimension Top of upstand (Commercial reference) - DB = Dimension Bottom of upstand (Geometrical area) - (2) PCA = Multilayer Polycarbonate panels 10 or 16 mm, CAI = Insulated Aluminium Cover and DD = Double Dome - (3) SL 250 (0-400 m of altitude) - SL 550 (400-800 m of altitude and more) - (4) Minimum pressure of CO₂ for closing = 8 bar

Hexasteel MoP

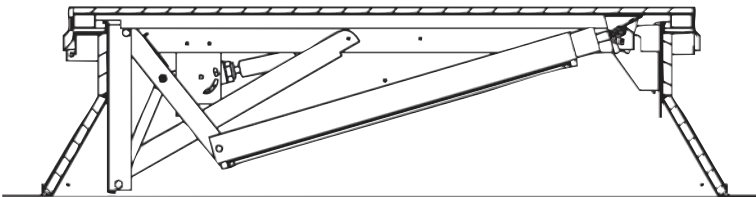
Smoke vents range



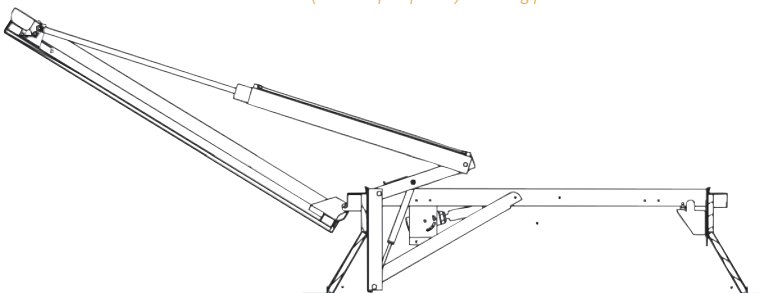
Hexasteel MoP Eco (with straight upstand) in waiting position



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 CO₂ piston integrated in the whole system. The opening and closing function is controlled from the floor by activating a CO₂ cartridge for opening and a CO₂ 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