

Waterproofed
roof

Product line **HEXADOME**

Hexasteel DoP

Smoke vents range



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

CE

Hexasteel DoP (two opening flaps) is designed for waterproofed roof, and can be controlled by thermofuse and/or central pneumatic box.

This smoke vent is available in 3 levels of aerodynamic performances (ECO, STANDARD and PLUS).

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 ⁽²⁾		
								SL 250 ⁽³⁾	SL 550 ⁽³⁾	SL 250 ⁽³⁾	SL 550 ⁽³⁾	PCA/CAI
C 180 straight	180 x 180	180 x 180	3,24	3,24	1,65	2,20	2,43	10	14	10	16	1,14
C 200 straight	200 x 200	200 x 200	4,00	4,00	2,04	2,72	3,00	10	18	10	13	1,31 / 2,04
120 x 240 straight	120 x 240	120 x 240	2,88	2,88	1,47	2,02	2,16	10	19	10	16	0,63 / 0,98
120 x 250 straight	120 x 250	120 x 250	3,00	3,00	1,53	2,07	2,25	10	19	10	16	0,63 / 0,98
120 x 300 straight	120 x 300	120 x 300	3,60	3,60	1,84	2,48	2,70	12	22	10	16	0,63 / 0,98
150 x 250 straight	150 x 250	150 x 250	3,75	3,75	1,91	2,55	2,81	10	15	10	17	0,87
150 x 300 straight	150 x 300	150 x 300	4,50	4,50	2,30	3,06	3,38	10	18	12	20	0,87
160 x 250 straight	160 x 250	160 x 250	4,00	4,00	2,04	2,72	3,00	10	16	12	20	1,02
160 x 300 straight	160 x 300	160 x 300	4,80	4,80	2,45	3,26	3,61	10	19	13	21	1,02
180 x 250 straight	180 x 250	180 x 250	4,50	4,50	2,30	3,06	3,39	10	19	10	17	1,14 / 1,78
180 x 300 straight	180 x 300	180 x 300	5,40	5,40	2,75	3,67	4,09	10	23	10	17	1,14 / 1,78
200 x 250 straight	200 x 250	200 x 250	5,00	5,00	2,55	3,40	3,78	12	22	10	16	1,32 / 2,01
200 x 300 straight	200 x 300	200 x 300	6,00	6,00	3,06	4,08	4,56	14	26	11	19	1,31 / 2,04
230 x 300 straight	230 x 300	230 x 300	6,90	6,90	3,52	4,69	5,24	13	25			2,40

(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 (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

23

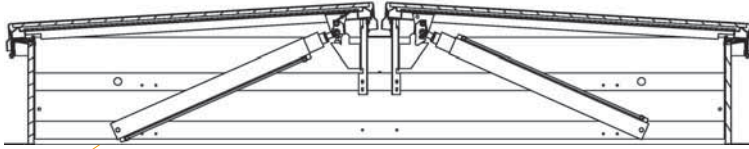
our solutions for
the roof

adexsi Global solutions for lighting,
daily and smoke ventilation

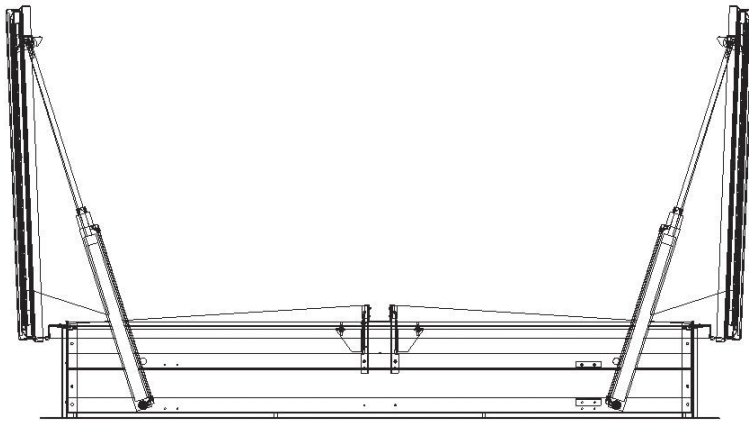
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Hexasteel DoP Eco in waiting position



Hexasteel DoP Eco in safety position – Opening 90°

COMPONENTS:

- A metallic upstand 30, 40 or 50 cm high, which can be equipped with an insulation board 15 mm ($U_f = 2.5 \text{ W/m}^2 \text{ K}$) or 30 mm ($U_f = 1.5 \text{ W/m}^2 \text{ K}$). 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.
- Two opening flaps controlled by thermofuse and/or central pneumatic box. The opening power is given by 2 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
 - 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