

HEXASTEEL DoP: the description

Zenithal lighting, daily and smoke ventilation



HEXASTEEL DoP

HEXASTEEL DOP is a smoke and heat ventilator (SHEV) in conformity with the CE norm EN 12101-2: 0333 CPD219002

STEEL: Metallic upstand for waterproofed roofs
Do: Double opening / vent
P: Pneumatic (opening / closing)



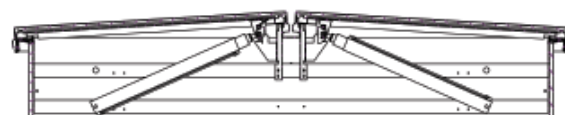
THERMOFUSE PRÉ-MOUNTED IN THE FACTORY

According to the EN 12101-2 specificities

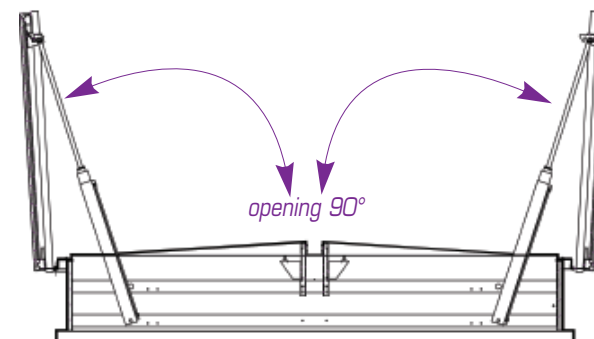
See page 7 (Reglementation) and page 42 (Options smoke extraction)

HEXASTEEL MoP is consisting of:

- A **metallic upstand** height 30, 40 or 50 cm, which can be equipped with an insulation board 15 mm ($U = 2,5W/m^2K$) or 30 mm ($U = 1,5W/m^2K$). 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** pré-installed in the factory.
- **Two opening flaps** controlled by thermofuse and/or central pneumatic box. The opening power is given by 2 CO₂ pistons integrated in the whole system. The opening and closing is controlled from the floor by activating a CO₂ cartridge for opening and a CO₂ cartridge for closing.
- In option, an **electric drive** 230 V can be installed for daily ventilation purpose (height of opening 30 cm).



Hexasteel DoP E in waiting position



Hexasteel DoP E in safety position

HEXASTEEL DoP: the characteristics



WATERPROOFED
ROOF

Dimensions			Performances				Characteristics				
References	DT ⁽¹⁾ l x L in cm	DB ⁽¹⁾ l x L in cm	Geometrical area in m²	Aerodynamic Surface (Aa) in m²			Working pressure (bar)				Total volume of pistons in liters (L)
							PCA ⁽²⁾		CAI/DD ⁽²⁾		
				E (eco)	S (Standard)	+ (plus)	SL 250 ⁽³⁾	SL 550 ⁽³⁾	SL 250 ⁽³⁾	SL 550 ⁽³⁾	
C 180 straight	180 x 180	180 x 180	3,24	1,30	2,22	2,43	10	14	10	14	1,14
C 200 straight	200 x 200	200 x 200	4,00	1,60	2,72	3,00	10	18	10	18	1,31
120 x 240 straight	120 x 240	120 x 240	2,88	1,15	1,98	2,16	10	19	10	19	0,63
120 x 250 straight	120 x 250	120 x 250	3,00	1,20	2,06	2,25	10	19	10	19	0,63
120 x 300 straight	120 x 300	140 x 300	3,60	1,44	2,48	2,70	12	22	12	22	0,63
150 x 250 straight	150 x 250	150 x 250	3,75	1,50	2,57	2,81	10	15	10	15	0,87
150 x 300 straight	150 x 300	150 x 300	4,50	1,80	3,06	3,38	10	18	10	18	0,87
160 x 250 straight	160 x 250	160 x 250	4,00	1,60	2,73	3,00	10	16	10	16	1,60
160 x 300 straight	160 x 300	160 x 300	4,80	1,92	3,26	3,61	10	19	10	19	1,02
180 x 250 straight	180 x 250	180 x 250	4,50	1,80	3,06	3,39	10	19	10	19	1,14
180 x 300 straight	180 x 300	180 x 300	5,40	2,16	3,67	4,09	14	23	14	23	1,14
200 x 250 straight	200 x 250	200 x 250	5,00	2,00	3,40	3,78	12	22	12	22	1,31
200 x 300 straight	200 x 300	200 x 300	6,00	2,40	4,08	4,56	14	26	14	26	1,31

⁽¹⁾ DT = Dimension Top of upstand and DB = Dimension Bottom of upstand

⁽²⁾ PCA = Multilayer Polycarbonate panels 10 or 16 mm, CAI = Cover Aluminium Insulated and DD = Double Dôme

⁽³⁾ SL 250 (Snow Load 250 daN/m²) – SL 550 (Snow Load 550 daN/m²)