

Smoke extraction

Pneumatic - Standard steel frame

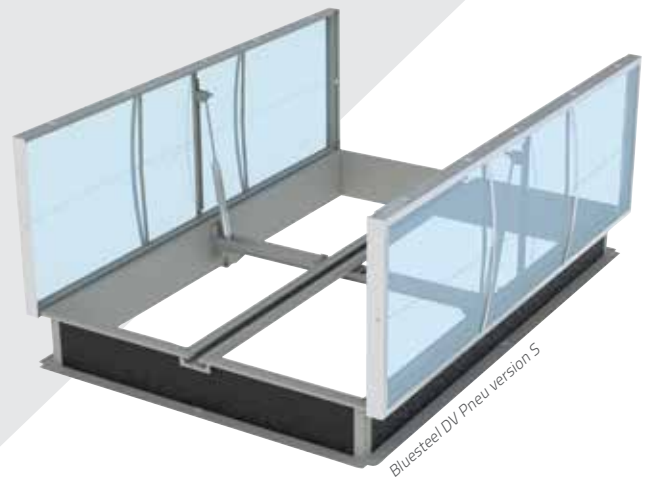
BLUESTEEL DV PNEU



OVERHEAD
NATURAL
LIGHTING



SMOKE
EXTRACTION



BENEFITS OF BLUETEK

- Up to 4.62 m² of smoke extraction
- 4 ventilation finishes available: S, M, L and XL
- Factory-installed windbreaks of the XL model are invisible when the device is closed

CONTROL

CLIP-type pneumatic



Standards and requirements



EN 1873
EN 12101-2



Low temperature
T (0°)



Reliability
Re 1000 (fire)
Re 10000 (ventilation)



Snow load
SL250 / SL500



Operation
Type B
Opening + closing



Static wind load
WL 1500



Heat resistance
B 300

Characteristics

- 10 mm CPC opal glazing
- Frame height 310 mm insulated 15 mm bituminized
Straight frame > version S
Slanting frame > versions M, L et XL
- Thermal release set at 93°C

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Technical characteristics

Measurements		Performance					Characteristics							
Commercial measurements (Roof cavity) L/W in cm	Light measurements (top cavity) L x W in cm	Av (geo- metrical surface) in m ²	Aa (useable area) in m ²				Operating pressure (bar)				Total volume of the jacks in litres (L)			
			S	M	L	XL	CPC 10, 16		CAIS ⁽¹⁾		CPC 10, 16		CAIS ⁽¹⁾	
							SL250 ⁽²⁾	SL500 ⁽²⁾	SL250 ⁽²⁾	SL500 ⁽²⁾	SL250 ⁽²⁾	SL500 ⁽²⁾	SL250 ⁽²⁾	SL500 ⁽²⁾
160/160	160 x 160	2.56	1.36	—	—	—	10	15	10	15	0.92	0.92	0.92	0.92
170/170	170 x 170	2.89	1.50	—	—	—	10	15	15	20	0.92	0.92	0.92	0.92
	160 x 160		—	1.91	1.97	2.08	10	15	10	15	0.92	0.92	0.92	0.92
180/180	180 x 180	3.24	1.62	—	—	—	10	20	15	20	0.92	0.92	0.92	0.92
	170 x 170		—	2.14	2.20	2.37	10	15	15	20	0.92	0.92	0.92	0.92
190/190	190 x 190	3.61	1.84	—	—	—	15	20	15	24	0.90	0.90	0.90	0.90
	180 x 180		—	2.38	2.49	2.67	10	20	15	20	0.92	0.92	0.92	0.92
200/200	200 x 200	4.00	2.04	—	—	—	15	24	20	26	0.90	0.90	0.90	0.90
	190 x 190		—	2.68	2.76	3.00	15	20	15	24	0.90	0.90	0.90	0.90
210/210	210 x 210	4.41	2.25	—	—	—	20	20	22	22	0.90	1.40	0.90	1.40
	200 x 200		—	2.95	3.04	3.26	15	24	20	26	0.90	0.90	0.90	0.90
220/220	220 x 220	4.84	2.47	—	—	—	20	22	24	26	0.90	1.40	0.90	1.40
	210 x 210		—	3.19	3.34	3.53	20	22	22	22	0.90	1.40	0.90	1.40
120/200	120 x 200	2.40	1.37	—	—	—	10	15	10	20	0.68	0.68	0.68	0.68
120/220	120 x 220	2.64	1.50	—	—	—	10	20	15	20	0.68	0.68	0.68	0.68
120/240	120 x 240	2.88	1.64	—	—	—	10	20	15	20	0.68	0.68	0.68	0.68
120/250	120 x 250	3.00	1.71	—	—	—	10	20	15	20	0.68	0.68	0.68	0.68
120/300	120 x 300	3.60	2.05	—	—	—	15	20	15	24	0.68	0.68	0.68	0.68
140/200	140 x 200	2.80	1.54	—	—	—	15	20	15	22	0.84	0.84	0.84	0.84
	140 x 250		1.93	—	—	—	15	22	15	24	0.84	0.84	0.84	0.84
140/250	130 x 240	3.50	—	2.35	2.45	2.49	15	20	15	22	0.68	0.68	0.68	0.68
	140 x 300		2.31	—	—	—	15	26	20	20	0.84	0.84	0.84	1.30
140/300	130 x 290	4.20	—	2.81	2.98	3.02	15	24	20	20	0.68	0.68	0.68	1.04
	150 x 200		1.62	—	—	—	15	22	15	24	0.84	0.84	0.84	0.84
150/250	150 x 250	3.75	2.03	—	—	—	15	26	20	20	0.84	0.84	0.84	1.30
	140 x 240		—	2.51	2.63	2.70	15	22	15	24	0.84	0.84	0.84	0.84
150/300	150 x 300	4.50	2.43	—	—	—	20	20	22	22	0.84	1.3	0.84	1.30
	140 x 290		—	3.02	3.20	3.29	15	26	20	20	0.84	0.84	0.84	1.30
160/200	160 x 200	3.20	1.70	—	—	—	10	20	15	20	0.92	0.92	0.92	0.92
160/250	160 x 250	4.00	2.12	—	—	—	15	20	15	22	0.92	0.92	0.92	0.92
	150 x 240		—	2.68	2.80	2.92	15	26	20	20	0.84	0.84	0.84	1.30
160/300	160 x 300	4.80	2.54	—	—	—	15	24	20	26	0.92	0.92	0.92	0.92
	150 x 290		—	3.22	3.41	3.55	20	20	22	22	0.84	1.30	0.84	1.30
180/250	180 x 250	4.50	2.25	—	—	—	15	24	20	26	0.92	0.92	0.92	0.92
	170 x 240		—	2.97	3.15	3.38	15	22	15	24	0.92	0.92	0.92	0.92
180/280	180 x 280	5.04	2.52	—	—	—	20	20	20	20	0.92	1.44	0.92	1.44
	170 x 270		—	3.38	3.58	3.83	15	26	20	20	0.92	0.92	0.92	1.44
180/300	180 x 300	5.40	2.70	—	—	—	20	20	20	20	0.92	1.44	0.92	1.44
	170 x 290		—	3.62	3.83	4.10	15	26	20	20	0.92	0.92	0.92	1.44
200/250	200 x 250	5.00	2.55	—	—	—	20	20	20	22	0.90	1.4	0.90	1.40
	190 x 240		—	3.35	3.55	3.80	15	26	20	20	0.90	0.90	0.90	1.40
200/300	200 x 300	6.00	3.06	—	—	—	20	22	24	26	0.90	1.40	0.90	1.40
	190 x 290		—	4.08	4.32	4.62	24	26	20	20	0.90	1.40	1.44	2.22
230/300	220 x 290	6.90	—	4.55	4.90	5.18	24	26	20	20	0.90	1.40	1.44	2.22

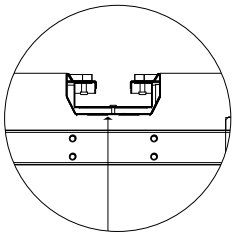
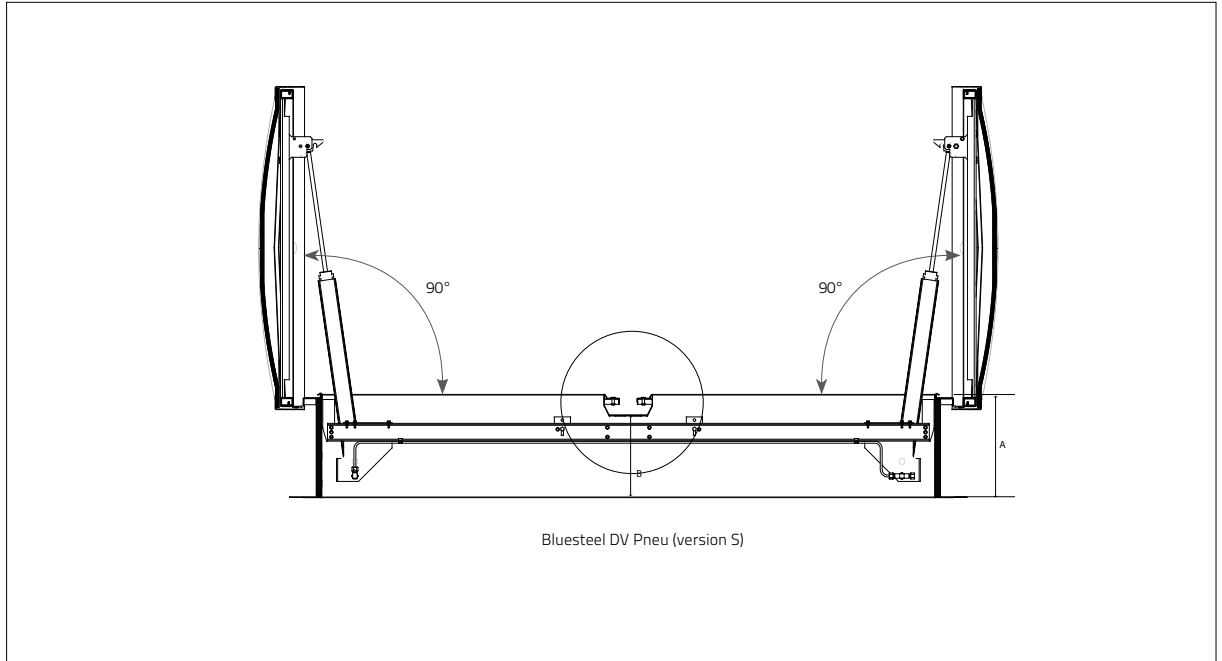
⁽¹⁾ CAIS: Standard insulated aluminium hood⁽²⁾ SL 250: altitude 0-400 m / SL 500: altitude 400-800 m

— not available

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Technical sections



Commercial reference height	Inside height (A)	height under gutter (B)
310	310 mm	257 mm
350	350 mm	297 mm
420	420 mm	367 mm
500	500 mm	447 mm

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Glazings

10 MM CPC

10 mm cellular polycarbonate
Available in colourless, opaque, Calor Control

16 MM CPC

16 mm cellular polycarbonate
Available in opal, colourless, opaque, Calor Control

INSULATED ALUMINIUM HOOD

Standard

Accessories and Options



SECURITY BARS

15X15 mm fixed steel 1200 joules resistance



BARS

Round fixed steel 1200 joules resistance



STRAIGHT/SLANTING FRAME

Height 350, 420, 500 mm



PVC SEALING

- Non-bituminized insulating material
- Non-bituminized insulating material with pack-rolled sheet metal option
- Non-bituminized insulating material with galvanized sheet metal option



POSITION SWITCHES

Indicate that the NSHEV is in standby mode
Factory-installed



THERMAL RELEASE

Automatically opens the outlet in case of a rise in the temperature in the roof
Available at 140°C and 180°C.



VENTILATION

Pneumatic: opens fully thanks to the smoke extraction jack (6 bar ventilation)

Electric: 230V electric jack for 300 mm or 500 mm partial opening (to be installed on the site)

LACQUERING

Lacquering of the frame, bars, security bars or underside of the aluminium hood is possible in standard RAL colours



RAL 9010



RAL 9005

Ventilation finishes



S : Straight frame



L : Slanting frame + windbreaks + shafts



M : Slanting frame + windbreaks



XL : Slanting frame + fans + shafts

Installation

Compliance with Unified Technical Documents (DTU), maximum slope:

- 3° i.e. 5%, with hinges parallel to the roof
- 25° i.e. 46 %, with hinges perpendicular to the roof (for S/M/L models) (slope limited to 15°, i.e. 26 %, for electric ventilation)
- 10°, i.e. 18 %, with hinges perpendicular to the roof (for XL model)

Maintenance

In accordance with NF S 61-933 the outlets must be checked and serviced at least once a year by the manufacturer or an authorised installer.



For further information visit
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