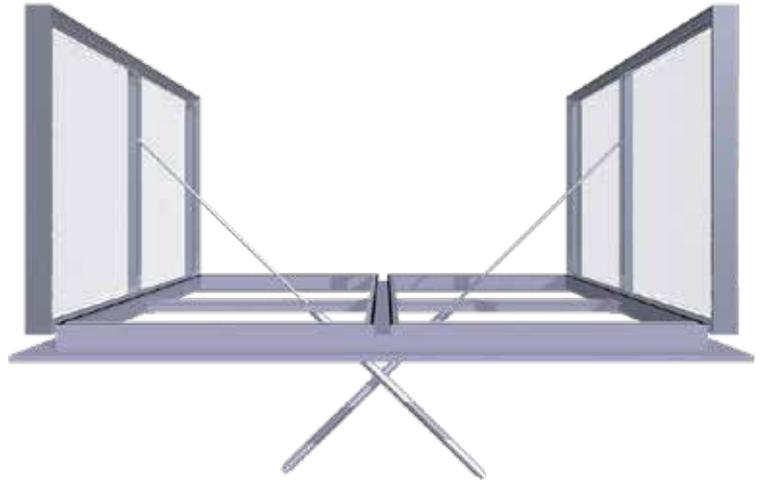# FUMETICA
DOUBLE FLAP VENTILATOR
DATA SHEET

APPLICATION

Smoke Control Fumetica is a double flap system suitable for the extraction of smoke and heat, daily ventilation and use as a skylight. The system is certified in accordance with EN12101-2 Smoke and heat control systems – Part 2: in addition to meeting and exceeding the requirements of AS2665 Smoke/Heat venting systems. Its large dimensions, a geometric surface area up to 7.5 m^2, makes the Fumetica ideally suited to the effective extraction of significant quantities of (polluted) hot air and smoke. A sophisticated production method enables this flap ventilator, which has fall prevention feature, to be manufactured in any desired dimensions and for every flat build-in application.

Area of application: particularly suitable for distribution centres, storage facilities, production environments and industries where it is important that the product is free of silicones or other harmful substances.

Double flap smoke and heat exhaust ventilator with large extraction capacity

High performance for a competitive price

Fumetica offers a functional solution, whereby reliability, price and guaranteed performance go hand in hand. You can completely rely on the Fumetica for a healthy and (fire) safe indoor climate!

Day-Lite Kapture: high performance prismatic skylights

The Fumetica is available in different base types, with pneumatic or electric controls, and (un) insulated aluminum or transparent flaps or Day-Lite Kapture high performance prismatic skylights for maximum daylight exposure and diffusion of natural light.

We believe people deserve to work & live in safe & beautiful buildings.

SMOKE CONTROL

T. 1300 665 471
www.smokecontrol.com.au

FPA GOLD MEMBER
Fire Protection
Association Australia

SPECIFICATIONS FUMETICA
- EN 12101-2 CERTIFIED

									Fumetica (un)insulated			
									Weight base and flap in kg			
Type	Throat size width x length (mm)	Geometric surface (Av) in m²	Without upstand		With upstand h=350 mm		With conical upstand h=350 mm ¹⁾		Uninsulated aluminium	Insulated aluminium	Transparent multi-walled polycarbonate Isolux	Prismatic skylight Day-Lite Kapture
			C_{vw}-value	A_a-value in m²	C_{vw}-value	A_a-value in m²	C_{vw}-value	A_a-value in m²				
Smoke Conrtrol Fumetica												
1010	1000 x 1000	1.00	0.52	0.52	0.51	0.51	0.36	0.52	29	32	26	–
1015	1000 x 1500	1.50	0.56	0.84	0.55	0.83	0.43	0.88	35	40	31	–
1020	1000 x 2000	2.00	0.58	1.16	0.57	1.14	0.46	1.21	42	48	37	–
1025	1000 x 2500	2.50	0.59	1.48	0.59	1.48	0.48	1.56	48	56	42	–
1030	1000 x 3000	3.00	0.60	1.80	0.60	1.80	0.50	1.92	55	65	47	–
1510	1500 x 1000	1.50	0.56	0.84	0.55	0.83	0.43	0.88	35	40	31	–
1515	1500 x 1500	2.25	0.60	1.35	0.60	1.35	0.50	1.45	42	50	37	–
1520	1500 x 2000	3.00	0.62	1.86	0.62	1.86	0.54	2.02	50	59	43	–
1525	1500 x 2500	3.75	0.63	2.36	0.63	2.36	0.56	2.57	57	69	49	–
1530	1500 x 3000	4.50	0.64	2.88	0.64	2.88	0.58	3.16	64	79	55	–
2010	2000 x 1000	2.00	0.58	1.16	0.57	1.14	0.46	1.21	40	47	36	–
2015	2000 x 1500	3.00	0.62	1.86	0.62	1.86	0.54	2.02	49	59	42	–
2020	2000 x 2000	4.00	0.64	2.56	0.64	2.56	0.58	2.81	57	70	49	–
2025	2000 x 2500	5.00	0.65	3.25	0.65	3.25	0.60	3.56	66	82	56	–
2030	2000 x 3000	6.00	0.66	3.96	0.66	3.96	0.62	4.36	74	94	62	–
2510	2500 x 1000	2.50	0.59	1.48	0.59	1.48	0.48	1.56	46	54	40	–
2515	2500 x 1500	3.75	0.63	2.36	0.63	2.36	0.56	2.57	55	68	48	–
2520	2500 x 2000	5.00	0.65	3.25	0.65	3.25	0.60	3.56	65	81	55	–
2525	2500 x 2500	6.25	0.66	4.13	0.67	4.19	0.63	4.59	74	95	62	–
2530	2500 x 3000	7.50	0.67	5.03	0.68	5.10	0.65	5.62	84	108	70	–
Smoke Conrtrol Fumetica Day-Lite Kapture												
1520	1500 x 2000	3.00	0.61	1.83	0.61	1.83	0.55	2.06	–	–	–	59
1525	1500 x 2500	3.75	0.63	2.36	0.62	2.33	0.58	2.66	–	–	–	69
1530	1500 x 3000	4.50	0.64	2.88	0.63	2.84	0.60	3.26	–	–	–	79
2030	2000 x 3000	6.00	0.66	3.96	0.65	3.90	0.65	4.58	–	–	–	94
2530	2500 x 3000	7.50	0.67	5.03	0.67	5.03	0.68	5.88	–	–	–	108

All dimensions of type 1010 to 2530 are available as standard, intermediate dimensions on request (with the exception of Fumetica Day-Lite Kapture). C_v values of the Fumetica are tested in combination with a wind baffle. The height of the wind baffle varies per dimension. This can change according to the build-in situation. Wind baffles for Fumetica Day-Lite Kapture are compulsory for smoke and heat application.

A_a = Cvw x geometric surface (A_v)
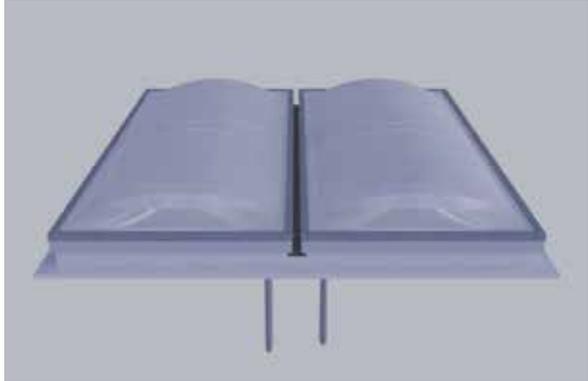¹⁾ Geometric surface in combination with conical upstand = throat size Fumetica + 200 mm

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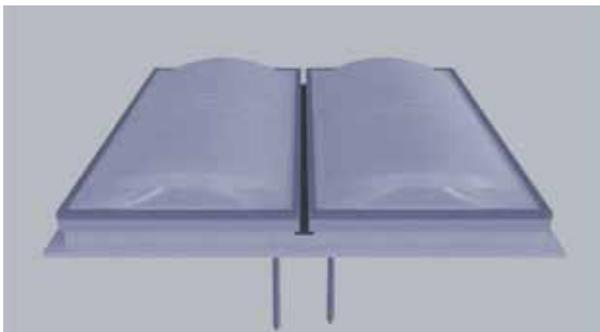1300 665 471 | info@smokecontrol.com.au | www.smokecontrol.com.au
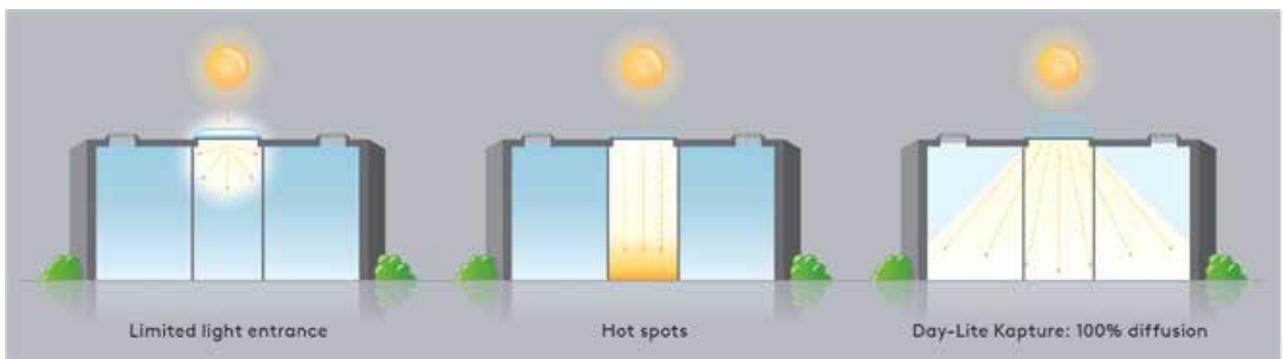
SMOKE CONTROL

Fumetica

- Base: uninsulated or insulated aluminium 30 mm
- Flaps at an inclination of 0 °:
  - uninsulated
  - insulated aluminium 20 mm
  - Isolux 16 mm clear/opal
- Significant flexibility in dimensions and flange type
- U = 1.4 – 5.6 W/m2K

Fumetica Day-Lite Kapture

- Base: uninsulated or insulated aluminium 30 mm
- Flaps at an inclination of 0°:
  - High prismatic skylight (choice of 1 or 2 sides)
  - Other flap side supplemented with uninsulated / insulated aluminum 20 mm / Isolux 16 mm clear / opal
- Available in 5 sizes (see table)
- U = 1.8 – 3.3 W/m2K

Limited light entrance | Hot spots | Day-Lite Kapture: 100% diffusion

Combine maximum daylight exposure with ventilation and fire safety

MATERIAL

Base and flanges: sea water and corrosion resistant EN AW 5754 (AlMg3) aluminium sheet material. Choice of uninsulated base or 30 mm insulated base.

Seal: covered all round with PE tape, which prevents freezing in position and guarantees high air density.

Hinges: stainless steel.

Flaps: uninsulated or 20 mm insulated aluminium, clear or opal multi-walled polycarbonate filling 16 mm, Day-Lite Kapture high performance prismatic skylights.

Finish: mill finished, coated in a standard RAL colour or anodised (limited sizes).

OPERATION

Natural ventilation:

P2 double-acting compressed air operation

M motor operation

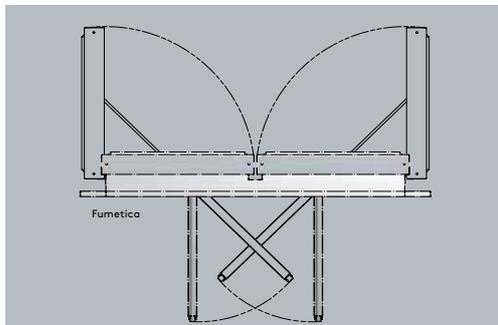**Fire ventilation according to EN 12101-2:**

P2B double-acting compressed air operation with fire function

PB-FS single-acting compressed air operation with fire function fail safe

M motor operation

ACCESSORIES

- Bird or insect mesh
- Insulated flanges
- Fall-through safety mesh
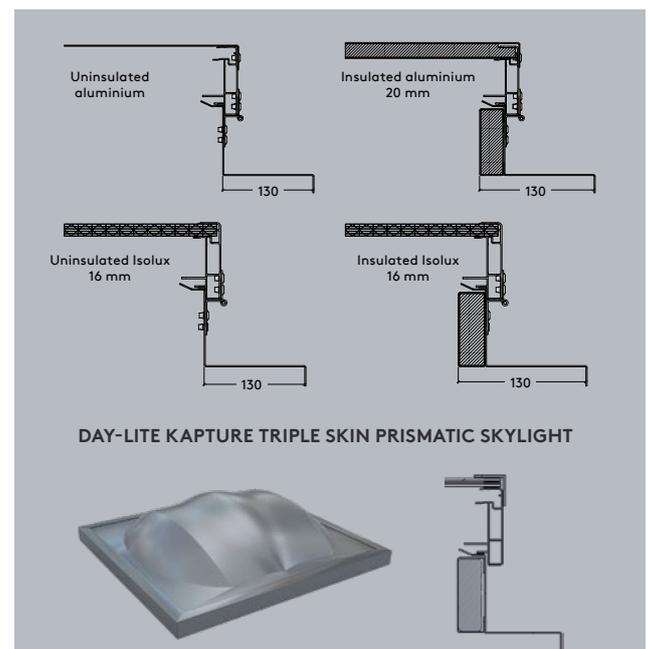- Lifting eyes

Cross Section

TEST RESULTS [1]

	EN 12101-2		FUMETICA DAY-LITE KAPTURE
		FUMETICA	
Fire & reliability test / WL		B300, Re300, WL1500	B300, Re300, WL1500
OPERATION — Type P2B		SL800, T(00) SL500, T(-15)	SL750, T(00) SL500, T(-15)
OPERATION — Type M24V: Isolux flap:		SL750, T(00) SL500, T(-15)	SL750, T(00) SL500, T(-15)
OPERATION — Type M24V: Aluminium flap:		SL750, T(00) SL500, T(-15)	
OPERATION — Type PBFS:		SL500, T(00) SL250, T(-15)	SL500, T(00) SL250, T(-15)
OTHER SPECIFICATIONS			

U value system = 1.4 - 5.6 W/m²K according to EN 10077-2 (depending on dimensions and version)

Air permeability: EN 1026: 600 Pa, EN 12207: class 2

Watertightness: EN 1027: 600 Pa, EN 12208: class 9A

Resistance to varying wind loads: class C1, 200 Pa (= P2) deflection < 1/300 in accordance with EN 12210 / EN 12211

In closed position: fall-through safety / impact resistance: SB1200 (with the exception of Day-Lite Kapture)

1) WL / SL is based on maximum dimension type 2530.
    If type < 2530 higher WL / SL are possible

RECYCLABLE

The aluminium that is used for the production of the Smoke Control Fumetica consists of 80% recycled aluminium. Recycling aluminium produces 60 to 80% less CO_2 emissions than the production of primary aluminium.

DAY-LITE KAPTURE TRIPLE SKIN PRISMATIC SKYLIGHT

Base and flaps

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SMOKE CONTROL