



F6 pneumatic NSHE (OPEN) for Kingspan arcade rooflight Data sheet

Aerodynamic smoke and heat extraction device in accordance with EN 12101-2



Daylighting Solutions
Natural Ventilation Solutions
Smoke Management Solutions
Service & Maintenance
Building Automation

Application

The F6 pneumatic NSHE is checked and certified for all flap systems to EN 12101-2 in Kingspan arcade rooflight or plus arcade rooflights. The system as a whole can potentially guarantee optimum protection of people and property in the event of fire.

Application areas

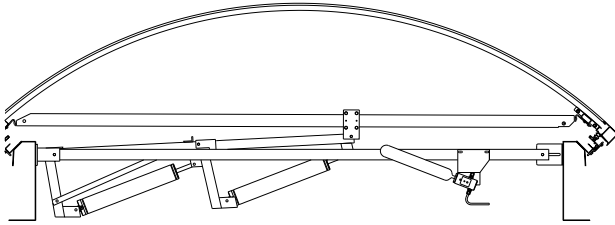
- up to a maximum roof pitch of 15° (greater pitches available on request)
- arcade rooflights and plus arcade rooflights: in full flaps and apex vents
- where qualified smoke and heat extraction is required

Features and benefits

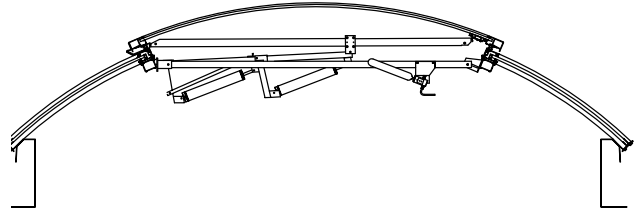
- proven pneumatic NSHE with OPEN function
- can be combined with a linear drive or pneumatic cylinder for daily aeration and ventilation
- available with wind deflection to improve the aerodynamic extraction value (A_o value)
- with thermal trigger device if required available with 68°C / 93°C / 110°C / 141°C activation temperature
- checked and certified to EN 12101-2



Technical specifications



Cross-section of full flap with NSHE



Cross-section of apex vent with NSHE

Full flap:

over the entire span of the arcade rooflight.

- dimensions: available in 1.00 m and 2.00 m variants
- span width: 1.35 m - 2.52 m

Apex vent:

at the apex with two transom profiles for mounting

- flap dimensions (W x L):
 - 1.50 x 2.00 m
 - 2.50 x 1.00 m
 - 2.50 x 2.00 m
- span width: 2.00 m - 3.00 m

Technical specifications

Functional reliability; classification of functional reliability	Re 50 (Re 1,000)
Functional reliability; open to point of ventilation	Re 10,000
Opening under environmental conditions; opening under load	SL 500
Opening under environmental conditions; low ambient temperature	T (-05)
Functional reliability; wind load	WL 1500
Performance under conditions of fire; heat resistance	B 300
Fire behaviour of building materials	E

Higher performance can be achieved on request after technical consultation.

INTERNATIONAL

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As at 07/2019; item no. 11000781530

Subject to technical alterations.

Illustrations are not binding.

