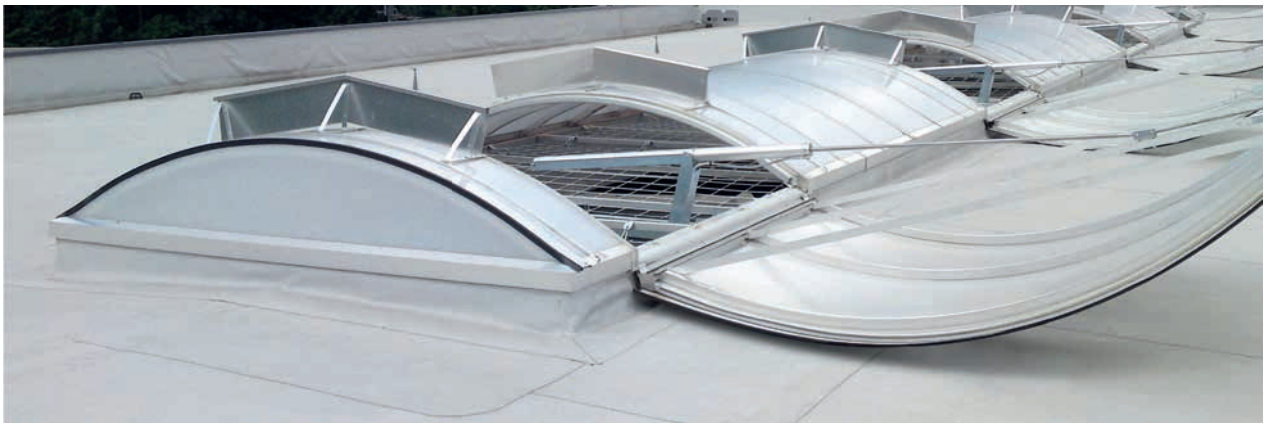
Continuous rooflight full flaps

VELUX®
Commercial



VARIO-FIREJET® 165 J AZ and VARIO-FIREJET® 165 J 24V/48V AZ are SHEV units for an effective smoke and heat exhaust according to DIN EN 12101-2 with "OPEN/CLOSE" function

VARIO-FIREJET® 165 J AZ, pneumatic SHEV device CO_2

- max. nominal size 250 x 204 cm
- max. aerodynamic smoke exhaust surface: A_a-value = 3.575 m²
- max. snow load SL 700 (depending on nominal size)
- dual function SHEV/ventilation in combination with compressed air or with electrical motor possible

Activation possibilities for the ventilation function

VARIO-FIREJET® 165 J AZ, electrically activated with 230 V/AC motor

- upon/under plaster ventilation switch for motor opener
- motor opener with thrust spindle 300/500 mm lifting height

Pneumatically activated

- pneumatic lifting cylinder 300/500 mm lifting height
- pneumatic manual control valve

For electric and pneumatic activation

- rain detector unit or wind/rain detector unit
- central-"CLOSE"-control with timer

VARIO-FIREJET® 165 J 24V/48V AZ, electric SHEV device

- max. nominal sizes: 200 x 204 cm or 250 x 134 cm
- max. aerodynamic smoke exhaust surface: A_a-value = 2.774 m²
- for 48 V/4A: snow load SL 700
- max. snow load SL 1250 (depending on flap size and temperature)
- for 24 V/8A: snow load SL 600
- max. snow load SL 1000 (depending on flap size and temperature)
- max. temperature class T (-15)
- for 24V/6A or 48V/3A: snow load SL 500 and max. temperature class T (-05)

Activation possibilities for the ventilation function

VARIO-FIREJET® 165 J 24V/48 V AZ, electrically activated (24V/48 V DC)

- dual function SHEV/ventilation with variable lifting heights
- central closing of the SHEV units with central control unit
- connection components to building management system integrated

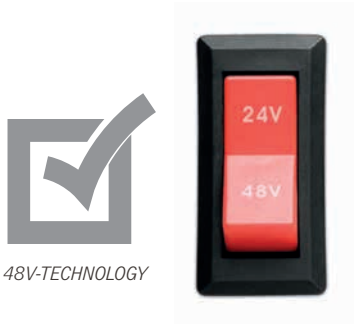
EC Certificate of Conformity no. 1368-CPD-C 003/2011

Advantages of the 24V technology
- almost noiseless function
- daily ventilation without additional motor
- stepless ventilation possible
- simple maintenance
- short circuits and cable interruptions are detected immediately
- connection to building management system
- aesthetically appealing because of flat design

Advantages of the 48V technology
- triggering of twice as many opening systems possible with one central control unit
- significant reduction of the installation effort
- cost saving because of much smaller cable cross sections
- effective reduction of project costs
- safety also in case of high snow loads
- integration of standard components from (SHEV button, smoke detector, wind/rain sensor etc.)

System accessories electric SHEV
central control unit RV 24V/48V

Characteristics
- standby current controlled system
- connection components for building management system integrated
- triggering of 2 SHEV-groups possible with one central unit
- optical status indication
- inputs for detectors, buttons and sensors
- connection of several central units possible via a bus system



48V-TECHNOLOGY

A_a-Values (aerodynamic effective smoke exhaust surface)

Full flap nominal width	Full flap length = 100 cm A_a-values m^2		Full flap length = 134 cm A_a-values m^2		Full flap length = 204 cm A_a-values m^2	
cm	VARIO-FIREJET® 165 J AZ	VARIO-FIREJET® 165 J 24V/48 V AZ	VARIO-FIREJET® 165 J AZ	VARIO-FIREJET® 165 J 24V/48 V AZ	VARIO-FIREJET® 165 J AZ	VARIO-FIREJET® 165 J 24V/48 V AZ
150	1.050	0.990	1.410	1.327	2.295	2.234
160	1.120	1.056	1.504	1.415	2.448	2.383
170	1.190	1.122	1.598	1.503	2.601	2.532
180	1.350	1.278	1.692	1.592	2.574	2.497
190	1.425	1.349	1.786	1.680	2.717	2.636
200	1.500	1.420	1.880	1.769	2.860	2.774
210	1.575	1.491	2.121	1.998	3.003	-
220	1.650	1.562	2.222	2.093	3.146	-
230	1.725	1.633	2.323	2.188	3.289	-
240	1.800	1.704	2.424	2.283	3.432	-
250	1.875	1.775	2.525	2.379	3.575	-