



Tested safety for dome rooflights – fulfills the requirements of the DIN EN 12101-2

SHEV systems

- for dome rooflights, darkening flaps and VARIO light flaps
- pneumatic: FIREJET® 165 J AZ, FIREJET® 165 J
- electrical 24V/48V/230V: FIREJET® 165 J SA 24V/48V/230V AZ
- with their comprehensive SHEV systems offers the optimal SHEV system for many individual requirements
- effective smoke and heat exhaust for various operating conditions according to DIN EN 12101-2 can be realized
- all SHEV units can also optionally be used for daily ventilation when equipped with corresponding auxiliary devices

System description

Pneumatical SHEV devices CO₂: FIREJET® 165 J/FIREJET® 165 J AZ

- up to max. nominal size 200 x 300 cm
- up to max. aerodynamic exhaust surface of 4.5 m²
- up to max. snow load SL 900
- dual function SHEV/ventilation in combination with compressed air or with electrical motors possible
- application on different upstands and domes/flaps possible

Electrical SHEV devices 24V/48V/230V: FIREJET® 165 J SA 24V/48V/230V AZ

- up to max. nominal size 150 x 250 cm
- up to max. aerodynamic exhaust surface of 2.74 m²
- up to max. snow load SL 2600 (depending on dome size, nominal voltage and product design)
- dual function SHEV/ventilation with variable lifting heights available
- central closure of the SHEV units with the central control unit
- connection to building management system is possible
- application on different upstands and domes/flaps possible

Optional accessories

- insect protection
- fall-through protection devices (permanent and collective) e.g. DSD, DDS, DDN, tube systems

SHEV systems

| SHEV systems | Electric 24V FIREJET® SHEV device 165 J SA 24V/48V/230V AZ | | Pneumatic FIREJET® SHEV devices CO ₂ | | | |
|-----------------------|--|--|--|---|--|---|
| | | | 165 J | | 165 J AZ | |
| Order size cm x cm | max. A _a -value ¹ m ² | max. snow load SL ² [N/m ²] | max. A _a -value ¹ m ² | max. snow load SL [N/m ²] | max. A _a -value ¹ m ² | max. snow load SL [N/m ²] |
| 100 x 100 | - | - | 0.750 | 500 | 0.750 | 900 |
| 100 x 150 | 1.080 | 2.500 | 1.125 | 500 | 1.125 | 900 |
| 100 x 200 | - | - | 1.500 | 500 | 1.500 | 900 |
| 100 x 240 | - | - | 1.800 | 500 | 1.800 | 900 |
| 100 x 250 | - | - | 1.875 | 500 | 1.875 | 900 |
| 120 x 120 | 1.020 | 2.600 | 1.080 | 500 | 1.080 | 900 |
| 120 x 150 | 1.300 | 2.000 | 1.350 | 500 | 1.350 | 900 |
| 120 x 180 | 1.560 | 1.660 | 1.620 | 500 | 1.620 | 900 |
| 120 x 210 | 1.840 | 1.420 | 1.890 | 500 | 1.890 | 900 |
| 120 x 240 | 2.070 | 1.250 | 2.160 | 500 | 2.160 | 900 |
| 120 x 250 | 2.190 | 1.200 | 2.250 | 500 | 2.250 | 900 |
| 125 x 125 | 1.110 | 2.400 | 1.170 | 500 | 1.170 | 900 |
| 125 x 250 | 2.250 | 1.300 | 2.344 | 500 | 2.344 | 900 |
| 150 x 150 | 1.640 | 1.500 | 1.688 | 500 | 1.688 | 900 |
| 150 x 180 | 1.940 | 1.300 | 2.025 | 500 | 2.025 | 900 |
| 150 x 210 | 2.300 | 950 | 2.363 | 500 | 2.363 | 900 |
| 150 x 240 | 2.630 | 825 | 2.700 | 500 | 2.700 | 900 |
| 150 x 250 | 2.740 | 800 | 2.813 | 500 | 2.813 | 900 |
| 180 x 180 | - | - | 2.430 | 500 | 2.430 | 500 |
| 180 x 210 | - | - | 2.650 | 500 | 2.650 | 500 |
| 180 x 240 | - | - | 3.240 | 500 | 3.240 | 500 |
| 180 x 250 | - | - | 3.375 | 500 | 3.375 | 500 |
| 200 x 200 | - | - | 3.000 | 500 | - | - |
| 200 x 300 | - | - | - | - | 4.500 ³ | 500 |

Note:

- 1) Applies in combination with skylight bases type RAK
- 2) Depending on dome type and rated voltage
- 3) Only "OPEN" function



FIREJET® 165 J AZ



FIREJET® 165 J SA 24V/48V/230V AZ