

Liberator is a mechanical smoke extract ventilator which may be used for day to day ventilation as well as for smoke extract. Liberator meets the following time/ temperature classifications of:

EN 12101-3: F200 (200°C for 120 minutes), F300 (300°C for 60 minutes) and F400 (400°C for 120 minutes).

Liberator is suited to most industrial and commercial buildings and come in these options:

- *T-Liberator: Roof mounted, with vertical discharge*
- *W-Liberator: Wall mounted, with horizontal discharge*
- *630mm and 800mm nominal fan sizes.*

All units mainly consist of lightweight, corrosion resistant aluminium.

T-LIBERATOR

This unit is exclusively for use on roofs. It has four non-return shutters which close when the unit stops, preventing rain entry.

An aerodynamic cowl ensures that the air resistance is kept to a minimum, thereby reducing running costs and enhancing performance. The T-Liberator has a snowload class of SL 125.

W-LIBERATOR

This unit is available in two variants.

The shutter arrangement is either an insulated flap (WL/FLAP) or a louvred ventilator (WL/FCO).

The shutter version with a flap as termination (WL/FLAP) is opened by a gas spring and is pulled closed by a cable that is operated by a rotary electric motor. In the event of fire, this flap is opened and locked in the open position. This version is suitable for installation both into walls and onto roofs.

The shutter version with a louvred ventilator as termination (WL/FCO) is closed and held closed by a rotary electric motor. In the event of fire, the louvres open under force of the spring, and are held open. This version is suitable only for installation into walls.

Both shutter versions have a fusible link to open the shutter at a pre-defined temperature. The WL/FLAP version has a snowload class of SL 500.

FEATURES

T-Liberator:

- Roof installation only
- Aerodynamic cowl
- Simple construction
- Certified to open against 125N/m² snow.

W-Liberator FCO:

- Wall installation only
- Low profile louvred termination.

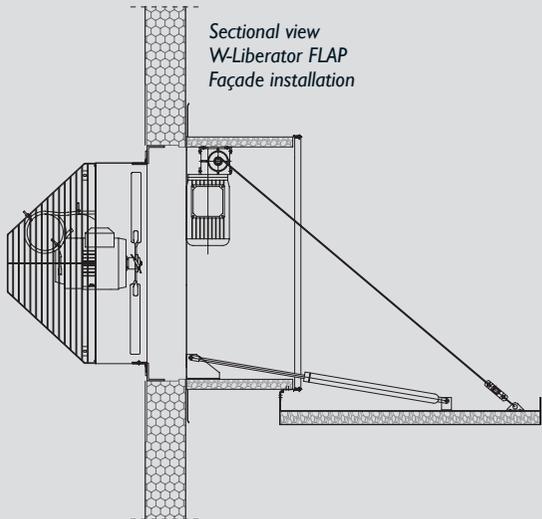
W-Liberator FLAP:

- Illustration shows roof installation, but can also be installed into walls
- Double insulated flap termination
- Certified to open against 500 N/m² snow when installed in the roof.

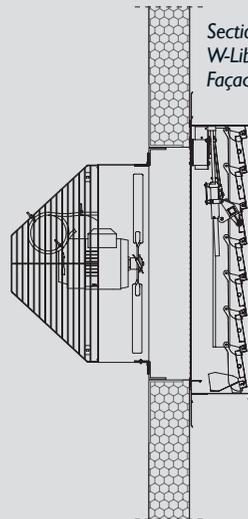
All unit types:

- Suitable for either roof or wall
- Shutter, flap or louvred ventilator as termination
- Robust, reliable and durable – made from aluminium
- Low power consumption
- Tested and certified to EN 12101-3.

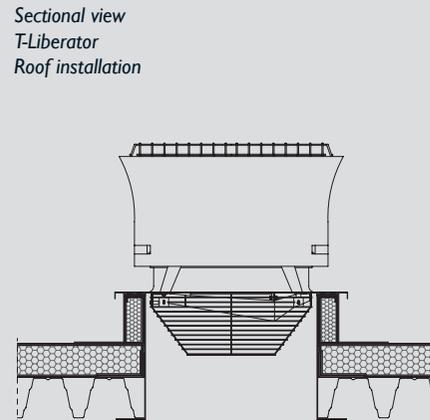
Size	Airflow m ³ /s	FLC A	Power kW	Opening mm	Weight Kg
T-Liberator 06/... 16	2.7	1.97	0.75	725	61
23	4.1	3.19	1.50		
T-Liberator 08/... 12	4.4	2.42	0.75	875	77
16	5.9	3.78	1.50		
W-Liberator 06/... 16	2.6	1.97	0.75	700	FCO type 60 FLAP type 70
23	3.7	3.19	1.50		
W-Liberator 08/... 16	6.1	3.78	1.50	860	FCO type 105 FLAP type 115



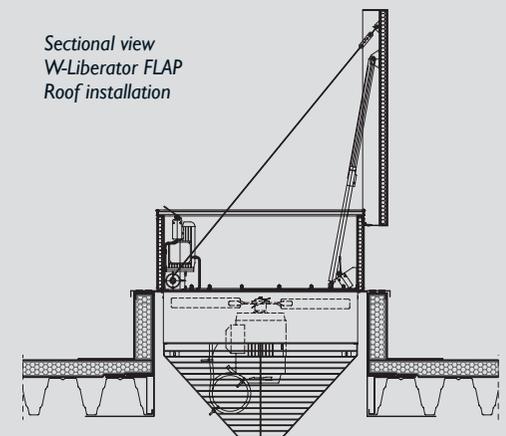
Sectional view
W-Liberator FLAP
Façade installation



Sectional view
W-Liberator FCO
Façade installation



Sectional view
T-Liberator
Roof installation



Sectional view
W-Liberator FLAP
Roof installation