

Key features:

Double or triple-glazed

Thermally-broken frames

Optional insulated framework

EN 12101-2 tested

Security tested to EN 1627 Class RC2

Tested to BS 6180: 2011 Barriers in and about buildings

Press formed mitred corner joints for improved appearance

Robust pinion design for reduced vandal damage

Integrated fixing adapters for ease of installation



The FLW 32 is the latest in the line of products developed by Fieger and is characterized by a number of improvements on the best-selling FLW 28 system.

The FLW 32 features either double or triple-glazed louvres, which can be used to meet both day-to-day natural ventilation and emergency smoke control requirements.

The option to use triple-glazed elements together with insulated framework means that very low U-values can be achieved.

The FLW 32 SmoTec has been fully tested to EN 12101-2 for natural smoke ventilators.

It has also achieved the RC2 classification under EN 1627 for improved security against unauthorized entry.

Furthermore, the FLW 32 has been tested in accordance with BS 6180:2011 for barrier loads; this involved tests for line load, point load & uniformly distributed load.

The use of press formed mitred corner joints, instead of butt joints, makes for an improved visual appearance.

The patented pinions have been re-designed for greater resistance to vandal damage.

The FLW 32 with triple-glazing, thermally-broken & insulated frames and class-leading low air permeability provides a highly efficient and sustainable solution to thermal comfort and emergency smoke venting applications.



Product Data Sheet: FLW 32 System

Test Details

The FLW 32 has been tested to the following standards:

Impact resistance in accordance with DIN 18032-3	*
Security EN 1627:	Class RC2
BS 6180: 2011 Barriers in & about buildings	passed
NSHEV certified according to DIN EN 12101-2	
Aerodynamic coefficient (Cv):	max. 0.57
Wind load performance:	up to WL 3000
Resistance to heat classification:	B 300-E
Reliability classification:	Re 1000
Snow load classification:	SL 0
Low ambient temperature classification:	T (-05)
Air permeability in accordance with EN 12207:	Class 4*
Watertightness in accordance with EN 12208:	Class 6A*
Sound insulation to EN 10140-2 & EN 717-1:	41 dB*
Thermal performance to EN 10077:	1.3 W/m ² K - Triple glazing* 1.6 W/m ² K - Double glazing*

Product Details

* Pending confirmation

Dimensions:

Frame width (louvres)	21 mm
Frame width (vent)	40 mm
Frame depth (louvres)	49 mm
Frame depth (vent)	77 mm
Max. vent width (without centre mullion)	2500 mm
Louvre height	200 to 450 mm

Louvre technology: Louvres rotate on pivot bearings connected to a rack & patented pinion mechanism, ensuring smooth, synchronized operation.

Glazing: 28 mm double-glazed or 32 mm double or triple-glazed or insulated aluminium panel louvres.

Control: A range of options are available: manual hand lever, crank handle, 24 Volt DC & 230 Volt AC motors as well as pneumatic cylinder.

Installation: A variety of extruded fixing adapters can be supplied, fitted to the vent frame at the factory, to suit most applications.