

Key features:**Double or triple-glazed****Thermally-broken frames****Optional insulated framework****EN 12101-2 tested****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 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.



Test Details

The FLW 32 has been tested to the following standards:

| | |
|--|--|
| Impact resistance in accordance with DIN 18032-3 | passed |
| Security EN 1627: | Not yet tested |
| 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 3 |
| Sound insulation to EN 10140-2 & EN 717-1: | 37 dB |
| Thermal performance to EN 10077: | 1.3 W/m ² K - Triple glazing 1.6 W/m ² K - Double glazing |

Product Details**Dimensions:**

| | |
|-----------------------|---------------|
| Frame width (louvres) | 21 mm |
| Frame width (vent) | 40 mm |
| Frame depth (louvres) | 49 mm |
| Frame depth (vent) | 77 mm |
| Max. vent width | 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.