

Security Ventilation Louvre

High performance ventilation louvre



Typical Applications:

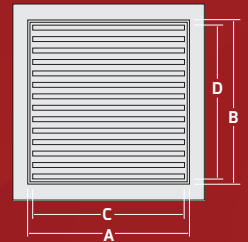
- Server Rooms
- Generator Rooms
- Air Conditioning Systems
- Sub Stations
- Chemical Storage
- Nuclear Power Stations

Technical information:

- Construction - Heavy duty steel or stainless steel.
- With anti drill and anti cutting back plate detail.
- Sandwich style fixing detail.
- Tested Size - 1,000mm x 1,000mm.
- Finish - as standard powder coated Grey/White leatherette or alternatively in a colour of your choice.

Panel sizes:

| Width (mm) 'A' | Height (mm) 'B' | Louvre Width (mm) 'C' | Louvre Height (mm) 'D' | Air Flow % |
|----------------|-----------------|-----------------------|------------------------|------------|
| 300 | 300 | 244 | 220 | 20% |
| 600 | 600 | 544 | 540 | 30% |
| 1000 | 1000 | 944 | 900 | 32% |



Air flow percentages are rounded down to the nearest whole number.
Airflow calculations should be considered as a guide only.

600mm x 600mm (0.6m x 0.6m) unit:

Louvre area: 544mm x 540mm = 0.544m x 0.540m = 0.29376m²

Gaps between blades: 11 of 0.544 x 0.01476 = 11 of 0.0080294 = 0.0883234m²

Free air flow percentage: $\frac{0.0883234}{0.2937600} \times 100$

=30% (rounded down to nearest whole number)

Note: The value on the examples is based on air figure constant and does not include any type of mesh.

**AIR FLOW DYNAMIC CALCULATIONS
AVAILABLE ON REQUEST**

Optional enhancements:

- Accelerant Protection - Internal stainless steel mesh shield with bevelled run out.
- Vibration Alarm - sensor connected to louvre blade.
- Covert fixings.