

LOUVRES AND GRILLES



EXTERNAL WEATHER LOUVRES

Passivent external weather louvres provide a well-designed and robust, cost-effective solution for the extract and intake of air. The 45° blades are set at a 30mm pitch for excellent weatherability and low airflow resistance.



Flanged frame

Available for internal or external use as framed units with either a 55mm surrounding flange for wall mounted fixing or recessed enabling multiple panel assemblies to be used together.

Construction

Manufactured from extruded aluminium sections with mitred and welded corners. Available in mill finish, satin anodised or powder coated.

Louvres can be also supplied with 4mm large insect mesh which will also provide bird resistance.

For heavy-duty applications, additional concealed louvre supports can be fitted. Please state when ordering.



Recessed frame

Size

Available in sizes from 300mm x 300mm up to 2000mm wide and 1500mm high.

Performance

Rain rejection

The louvre system has been tested by BSRIA to BS EN 13030: 2002 and achieves Class B being 98.6% effective.

Airflow performance

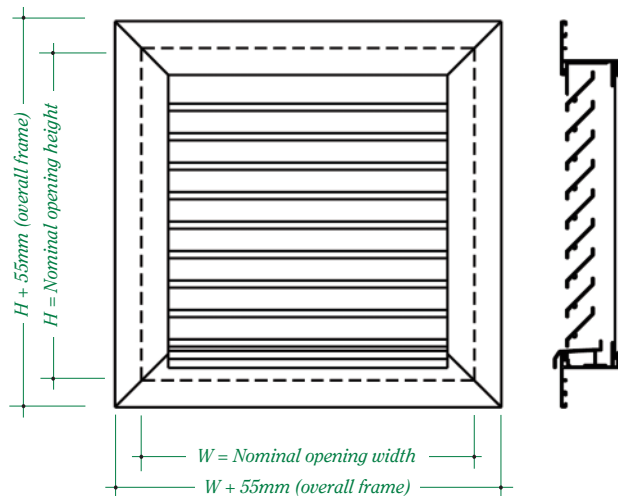
The louvre system has been tested to achieve a discharge coefficient of Cd 0.3.

Ordering

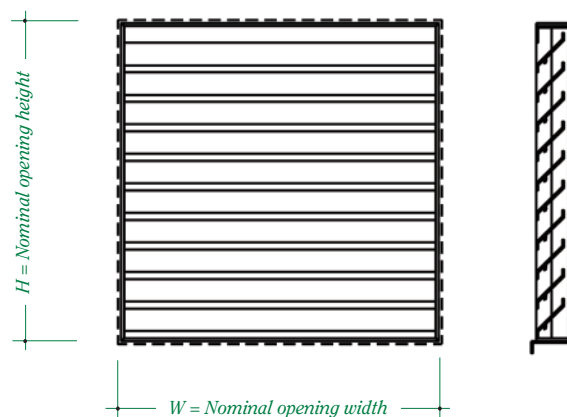
State quantity, the product name and the size W (nominal width) x H (nominal height).

Please note: Fixings available on request. Flanges supplied with fixing holes unless requested otherwise.

Flanged frame weather louvre



Recessed frame weather louvre



INTERNAL COVER GRILLES

Passivent internal cover grilles provide a well-designed and robust, cost-effective solution for the extract and intake of air. The 45° blades are set at a 15mm pitch for high strength and low airflow resistance.

Available for internal use with either a 38mm surrounding flange for wall mounted fixings or 26mm surrounding flange for metal duct connections.



One way diffuser grille

Construction

Manufactured from extruded aluminium sections with mitred and welded corners. Powder coated to a standard RAL colour. For heavy-duty applications, additional concealed louvre supports can be fitted. Please state when ordering.

Size

Available in sizes from 250mm x 250mm up to 2300mm wide and 1600mm high. Subject to a maximum area of 1.8m².

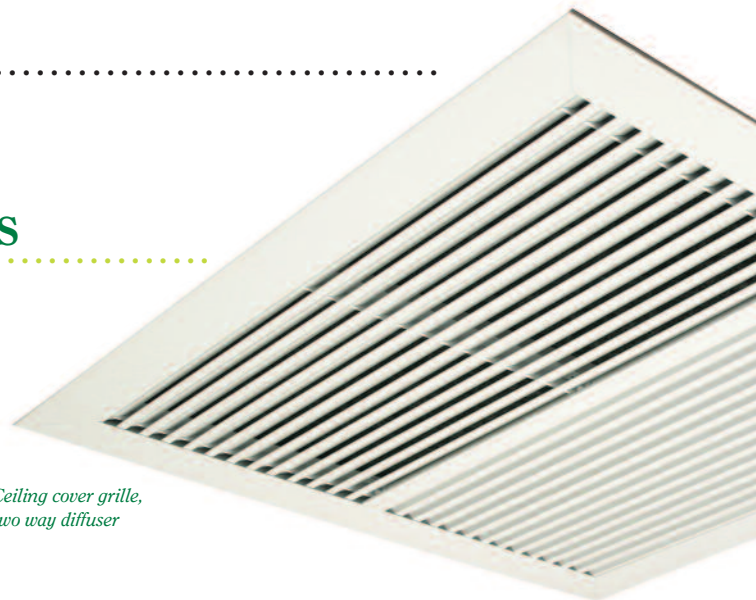
Performance

For discharge coefficients values and free area please enquire.

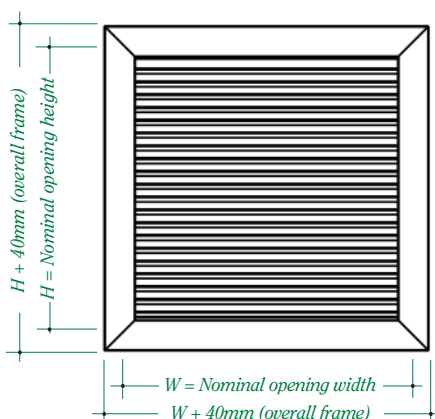
Ordering

State quantity, the product name, flange dimension (38mm or 26mm) and the size W (nominal width) x H (nominal height).

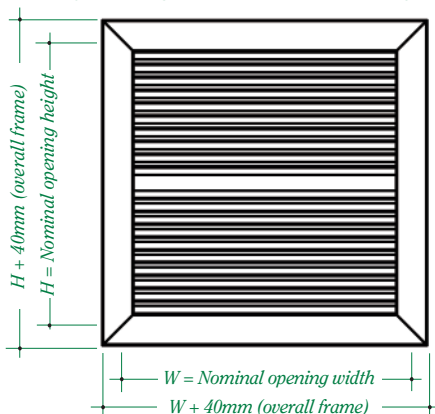
*Ceiling cover grille,
two way diffuser*



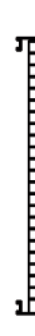
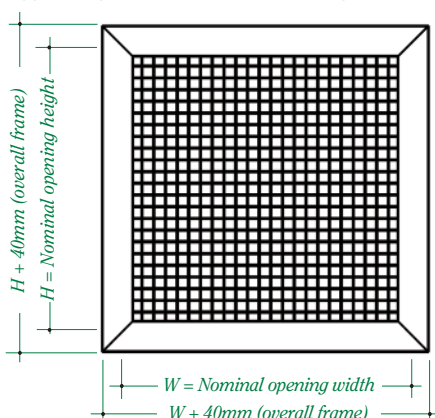
One way diffuser grille (38mm surround flange)



Two way diffuser grille (38mm surround flange)



Egg crate grille (38mm surround flange)



FURTHER INFORMATION

Services

Passivent has its own in-house research team dedicated to developing techniques and products for natural ventilation, and is a leading partner in some of the most important research projects in this field including NatVent™, a consortium of European organisations headed by BRE.

We offer a comprehensive design and advisory service tailored to your specific project, covering both natural ventilation design and product selection. Advanced software based on CIBSE AM10 is used to calculate sizes of air inlets and outlets to achieve optimum performance.

Names of approved installers can be provided on request.

Other products

Passivent markets a range of ventilation and daylighting products for commercial and domestic buildings including:

Natural ventilation systems.

Aircool® ventilators for windows, curtain walling and walls.

Airstract® roof terminals for passive stack and other natural ventilation systems.

Airscoop® wind-driven ventilation terminals.

Litevent combined ventilator and rooflight.

iMEV intelligent mechanical extract ventilation.

Hybrid Plus2 Aircool ventilators.

Hybrid Plus Airstract ventilators.

SoundScoop® acoustic transfer ventilation products.



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Passivent maintains a policy of continuous development and reserves the right to amend product specifications without notice.



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