

ALUMINIUM WEATHER LOUVRE



Weather louvres can be used for air intake or discharge in domestic and commercial ventilation systems. Suitable for external use.

Constructed from extruded aluminium sections, frame 3.0mm thick, blades 2.0mm thick. Fitted as standard with rear galvanised steel bird mesh screen secured with pop rivets. Optional insect mesh available.

Free area 50%.

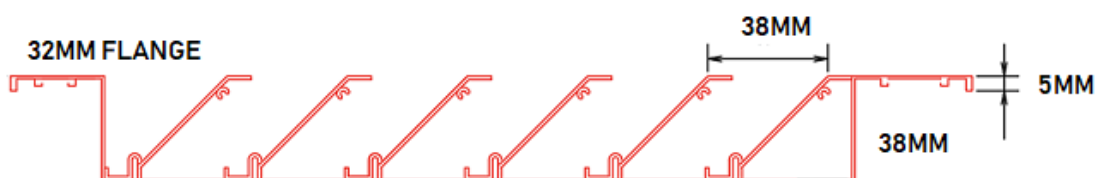
Standard louvres are supplied with undrilled frames and no fixing screws. External louvres are usually secured through the flange or rear neck into the supporting structure.

The standard finish for this product is RAL9006. Should you require an alternative colour, we can powder coat your louvre to match any RAL/BS colour required.

Options and Accessories

- Galvanised Steel Plenum Boxes complete with circular spigot to suit spiral ducting or flexible duct connections
- Galvanised Steel Rear Drip Tray to catch any rain water blown through the louvre
- Galvanised Steel Drain Cills to eject water away from the wall surface
- Pre-drilled Face Fixing Holes, appropriate to louvre size and weight with screws supplied in the same finish as the louvre
- Powder coated finish (RAL/BS)
- Insect Mesh
- Made to order louvres available pricing on request

Sizes Available / Dimensions						
CVE Product Code	Neck Size	Neck Depth	Outside Flange 32mm	Blade Pitch 38mm Centres	Blade Thickness	Free Area
CVWL38-150	145x145mm	42mm	205x205mm	45 Degrees	2mm	Approx. 50%
CVWL38-200	205x205mm	42mm	255x255mm	45 Degrees	2mm	Approx. 50%
CVWL38-225	220x220mm	42mm	280x280mm	45 Degrees	2mm	Approx. 50%
CVWL38-250	245x245mm	42mm	305x305mm	45 Degrees	2mm	Approx. 50%
CVWL38-300	295x295mm	42mm	355x355mm	45 Degrees	2mm	Approx. 50%
CVWL38-350	345x345mm	42mm	405x405mm	45 Degrees	2mm	Approx. 50%
CVWL38-400	395x395mm	42mm	455x455mm	45 Degrees	2mm	Approx. 50%
CVWL38-450	445x445mm	42mm	505x505mm	45 Degrees	2mm	Approx. 50%
CVWL38-500	495x495mm	42mm	555x555mm	45 Degrees	2mm	Approx. 50%
CVWL38-550	545x545mm	42mm	605x605mm	45 Degrees	2mm	Approx. 50%
CVWL38-600	595x595mm	42mm	655x655mm	45 Degrees	2mm	Approx. 50%

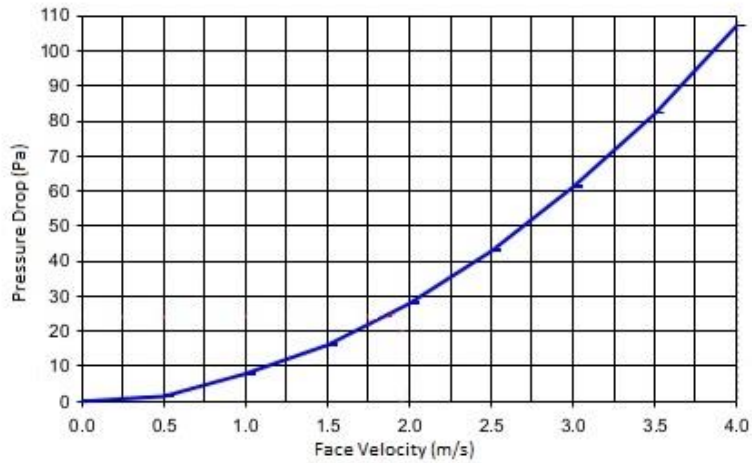


ACTUAL NECK SIZE IS DUCT OR HOLE SIZE -5MM

OUTSIDE FLANGE SIZE IS NECK SIZE +60MM

Size a louvre with a Cv of 0.308 to give a maximum pressure drop of 25Pa (Ps) at a flow rate of 2.5m³/s

$$V = Cv \sqrt{\frac{Ps}{0.5\rho}} = 0.308 \times \sqrt{\frac{25}{0.5 \times 1.2}} = 1.99 \text{ m/s}$$



ρ = Density of dry air @
20°C = 1.2kg/m³

Core area = 25 / 1.99
= 1.2m²