

# 100mm ACOUSTIC LOUVRES

Acoustic Hardware Louvres are designed to facilitate airflow whilst reducing noise levels passing through them. Louvres supply medium attenuation performance for low air velocity situations.

#### Typical Applications:

- Intake/Exhaust air to and from plant spaces
- As part of an Acoustic Enclosure
- Louvred Acoustic Screens

#### Options

Louvres can be predrilled for bolting together, or ordered with a flange for mounting into penetrations. Galvanised Steel or Aluminium construction available. Polyester Powder coated (PPC) to any standard RAL colour (RAL xxxx). Supporting steelwork for standalone applications can be supplied. Louvred Doors available.

#### Specification

Louvres manufactured from sheet metal. Louvre blades are held within a frame to all sides. Perforated underside of louvre blade encases an inert, acoustically absorptive infill. Birdscreen mesh to rear supplied as standard  
Nominal weight of louvres: Steel 20kg/m<sup>2</sup>, Aluminium 15kg/m<sup>2</sup>.

#### Ordering

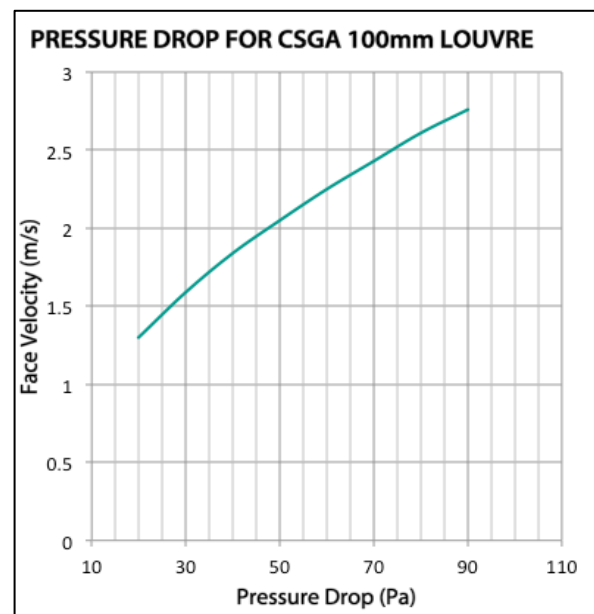
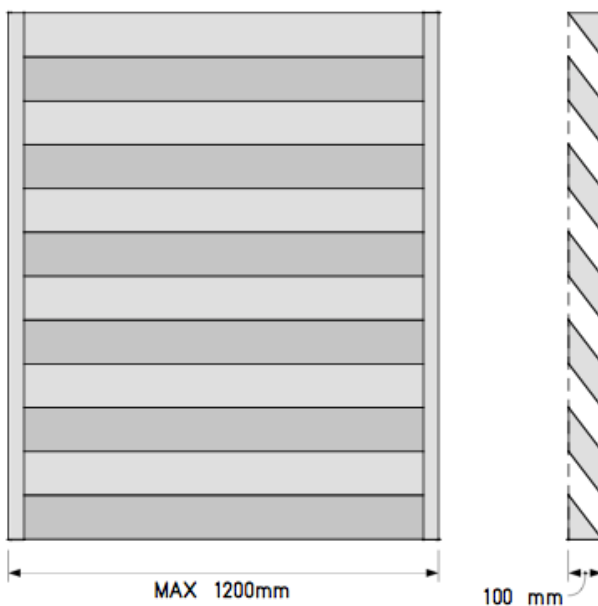
All Louvres are made to order. Louvres are manufactured to standard sheet metal tolerances of ±2mm. Dimensions listed on a Certified Dimension Schedule are as manufactured. Flanges, cleats, supporting steelwork, flashing, mastic or other such items are not included unless specified.

#### Acoustic Performance

Octave band C frequency	63	125	250	500	1k	2k	4k	8k
Transmission Loss (dB)	5	4	5	6	9	13	14	13
Acoustic Rating	R <sub>w</sub> 10dB / D <sub>new</sub> 16dB							

#### Aerodynamic Performance

Static Pressure Drop (Pa) *	20	30	40	50	60	70	80	90
Face Velocity (m/s)	1.3	1.59	1.84	2.05	2.25	2.43	2.61	2.76
Nominal free area	52%							



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