



ACOUSTIC LOUVERS



AL1 & AL2 Acoustic Louvres

- Providing an ideal acoustic / weather barrier
- Unique louvre blade shape results in lower pressure drop Models can be used as single or dual unit depending on sound reduction requirements
- Acoustic performance in accordance to BS-2750, reverberant room to reverberant room test method
- AL1 units installed back to back form AL2
- Manufactured from pre-galvanised sheet

CONSTRUCTION

The Standard acoustic louvers are manufactured from pre-galvanised sheet. The unit consists of an outer frame 300mm deep for the AL louvre. Blades are manufactured to a hollow aerofoil section design, to offer a reduced pressure drop across the units, and are filled with sound absorbing acoustic material.

The Single units can be manufactured up to 2400mmW by 2400mmH, for larger openings the units can be supplied as multi-section.

The AL2 coustic louvers is made up of two standard AL acoustic louvers fixed back to back.

Applications

The acoustic louvers provide an ideal acoustic / weather barrier wherever ventilation apertures are created in a structure. Applications are numerous and some of the more common are listed below:

- Airconditioning plants
- Process plants
- Standby diesel generator sets
- Closed cars parks
- Refrigeration machinery
- Cooling towers

Acoustic Performance

The sound reduction index of the acoustic louvre is obtained using a substitution technique designed to simulate typical site mounting conditions.

Acoustic Louvres are available in either AL1 or AL2 configurations. Their acoustic performance is as detailed below and is presented as a sound reduction index which can be designed as being a function of the acoustic louvre.

	63	125	250	500	1K	2K	4K	8K	Hz
AL1	5	5	7	12	18	21	16	16	dB
AL2	8	9	12	21	32	34	32	32	dB

Ordering Key:

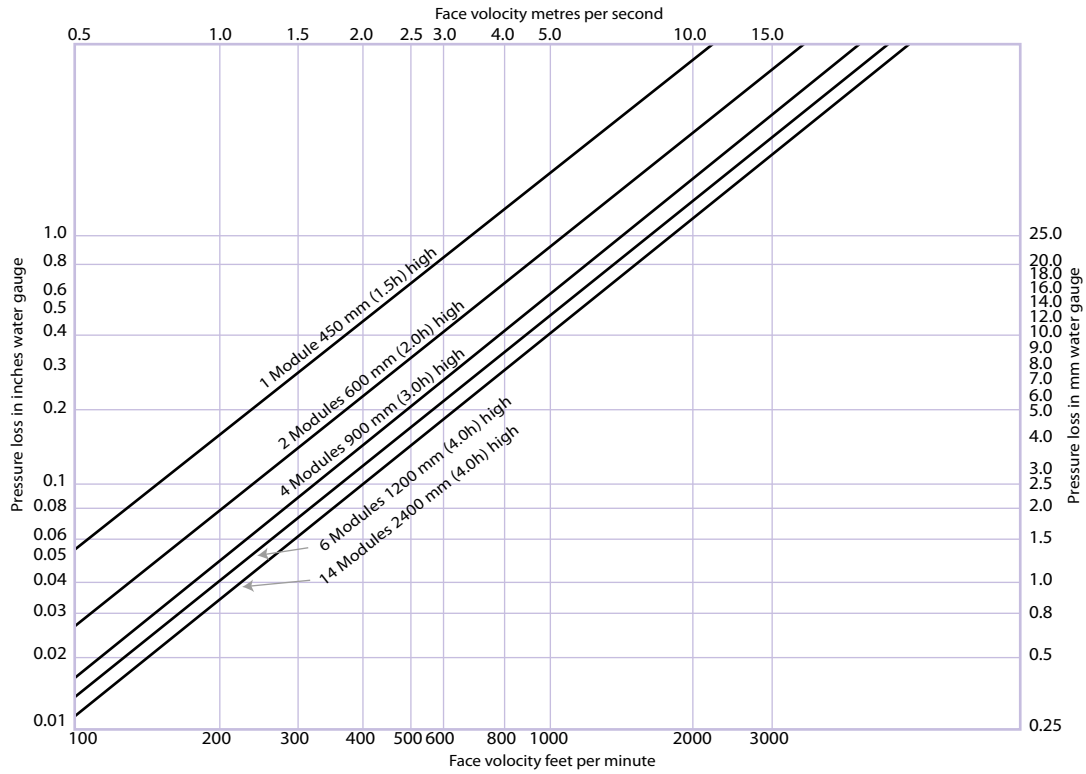
A	L	I	W	X	H
ACOUSTIC LOUVER					
1: SINGLE SET OF LOUVER BLADES					
2: DOUBLE SET OF LOUVER BLADES FIXED BACK TO BACK					
SIZE: WIDTH X HEIGHT					



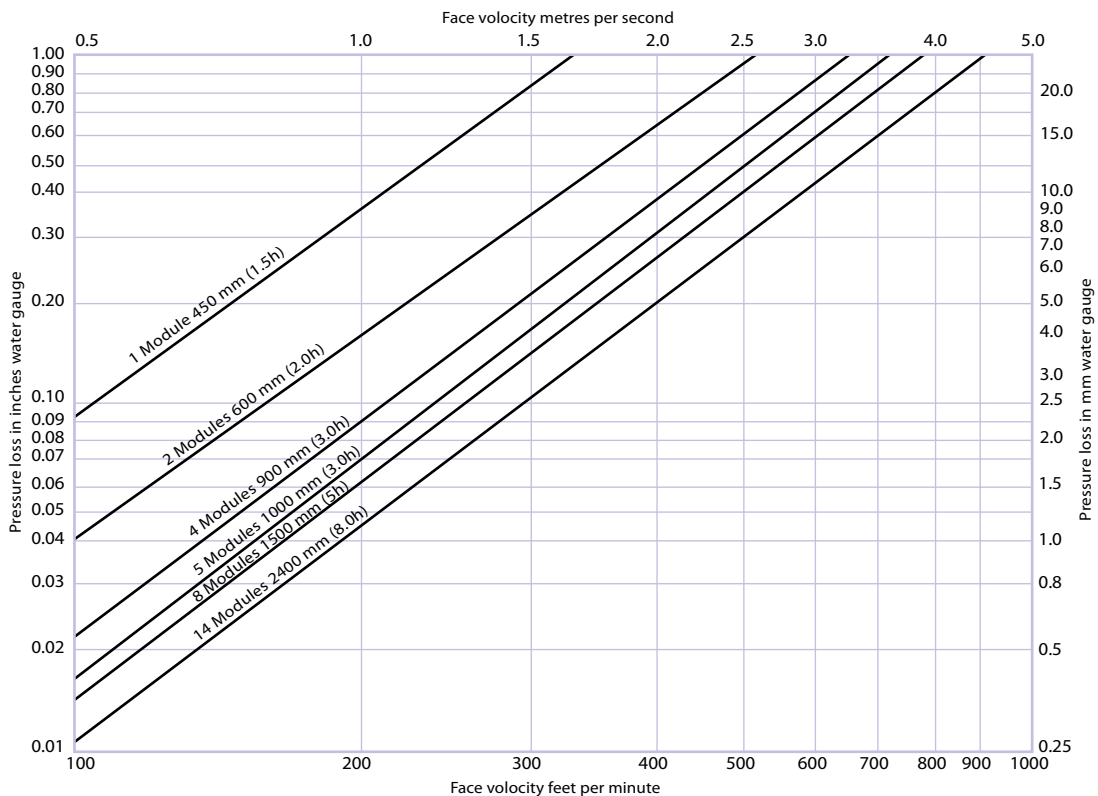


PRESSURE LOSS CHART

AL1 & AL1A Louvres (Ducted from Atmosphere)



AL2 & AL2A Louvres (Ducted from Atmosphere)



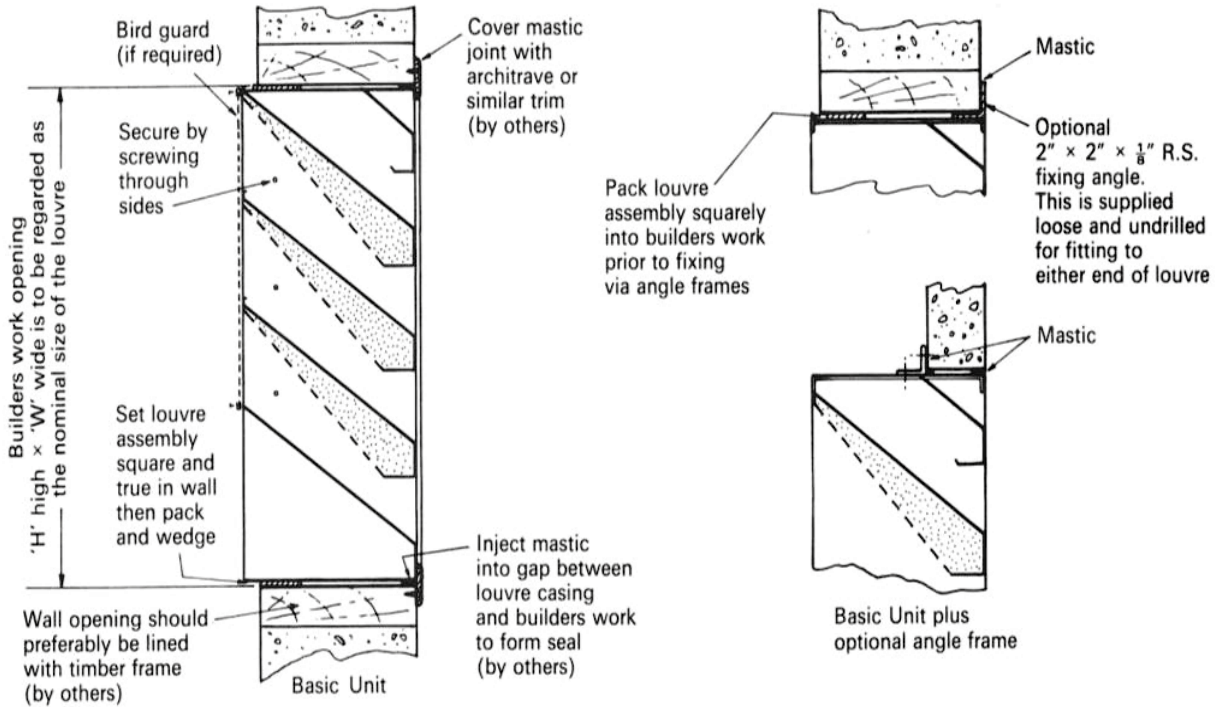


ACOUSTIC LOUVERS AL1 & AL2

Installation details

The nominal size of the louvre H x W refers to the builders work aperture, but it should be noted that on types AL1 and AL2 the actual unit size is W-15mm and H-15mm.

Suggested method of Installation



Multi-Section Louvres

