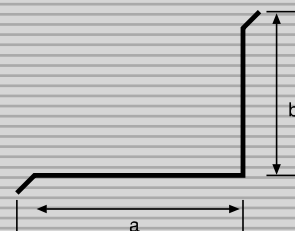
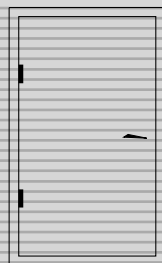
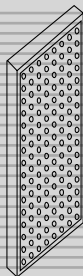


Acoustic Enclosures



Acoustic Enclosures

Acoustic Enclosure

General
Dampers
Silencers
4 2
Plenum Boxes
Louvers
Kitchen Hoods
Supports & Bands
Access Doors
Flexible Connectors
Flanges & Accessories
Tapes & Sealants

Introduction

Noise is often conveniently defined as a sound which is unwanted by the recipient. Unwanted noise is no longer something that has to be endured, it can and must be controlled.

In any surroundings, the primary cause of complaint due to noise is nearly always linked to excessive sound levels, either within or external to premises. Any problem involving the avoidance of unwanted noise may be tackled by a systematic approach.

Enclosing the sound source can sometimes be the most effective method of noise control. To be most effective the source must be totally enclosed. It is however, necessary with a lot of equipment to provide ventilation for cooling. Unless only small sound reduction is required, any openings for ventilation must not degrade the performance of the enclosure and should, therefore, either contain attenuators or acoustic louvers.

When only a small reduction is required a partial enclosure, which provides natural ventilation, may be sufficient.

Application

The Acoustic Enclosure is designed and built for optimum noise control and may be used to enclose the noise, in the case of equipment operations. Complete mechanical isolation between source and enclosure is required. Preferably the machine itself should be vibration isolated from the floor and its services.

The pre-fabricated modular units, enables it to be constructed in a variety of sizes which is suitable for site assembly.

Right to alterations reserved.

Acoustic Enclosures

Acoustic Enclosure

LMV



LMV

General

Dampers

Silencers

4
3

Plenum
Boxes

Louvers

Kitchen
Hoods

Supports
& Bands

Access
Doors

Flexible
Connectors

Flanges &
Accessories

Tapes &
Sealants

Description

Use

The Acoustic Enclosure, type LMV, are used where both simple and effective sound screening or noise encapsulation is desired. The flexible system makes the machine room walls particularly viable for the construction of separate rooms in production and storage locations as well as offices for shop foremen, controls room, crew's quarters, storage rooms, etc. and for noise encapsulation of machines and production systems by ventilators, compressors, generating systems, etc.

Benefits

The modular construction of Acoustic Enclosure leads to the system being:

- able to be set up and installed on-site
- able to be part of both small as well as large encapsulations
- able to be expanded or changed in step with production expansions, etc.
- able to be set up as an extension of other elements
- able to be delivered either as parts or as a complete job

All in all, it gives great flexibility, which makes the system ideal for innumerable purposes.

Design

The Acoustic Enclosure are modularly designed. The exterior sides of the modules consist of a galvanised steel plate, which is glued onto mineral wool. The modules are also available in perforated steel plates. Assembly is performed via a supplied channel, and the elements can moreover be mounted both vertically (as in the picture) and horizontally.

The elements are supplied in a standard width of 500mm to 1080mm. The elements can be supplied as needed in lengths of up to 3000mm. Adjustments to the elements can easily be performed during installation using an electric saw. LMV can be supplied with protective sheeting.

Right to alterations reserved.

Acoustic Enclosures

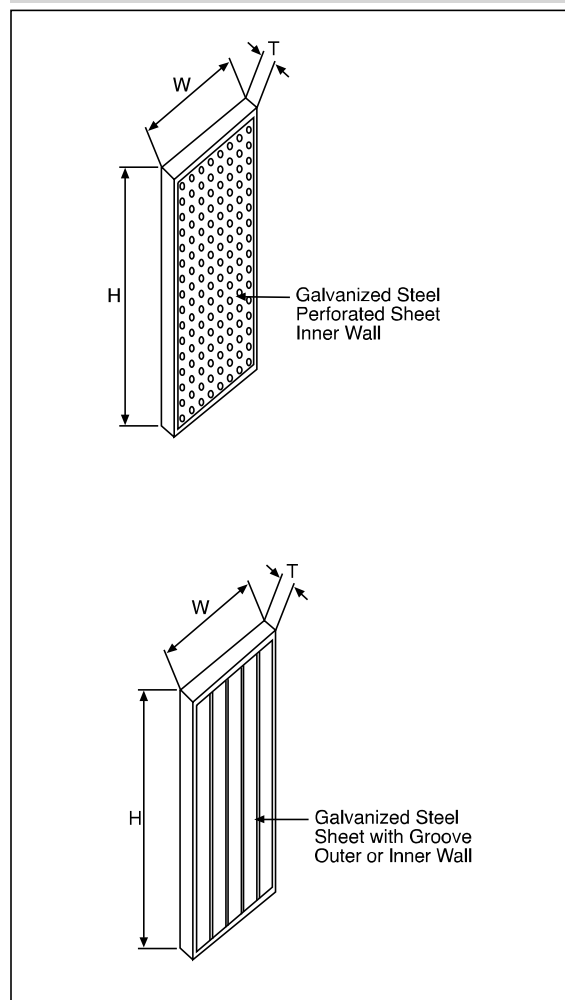
Acoustic Enclosure

LMV

General
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Silencers
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Plenum Boxes
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Tapes & Sealants



Dimensions



Description

The acoustic panels consist of outer and inner walls with acoustic infill in between are modularly designed and built to reduce noise or enclose the noise.

Construction

The standard acoustic panels used for both walls and roof are 500mm to 1080mm wide(for 50mm thk) constructed of an outer wall of galvanized steel sheet metal Ga.16. Acoustic infill is retained behind an inner wall of either perforated or solid galvanized steel sheet metal Ga.22.

The assembly of panels is on site, by others. Safid will provide full details of panel configuration and assembly.

Technical Data

Standard width, W	: 500mm to 1080mm (for 50mm thick)
Standard thickness, T	: 50 / 100 / 150 / 200
Length, L	: Up to 3000mm
Weight	: Approx. 18 kg/m ² (for 50mm thick)
Color	: Supplied in galvanized steel finish and epoxy paint in various colors.
Accessories	: Acoustic doors in standard thickness. : Assembly rails. : Windows.

Ordering

Product code: **LMV - T - G - P - L**

Type _____

Thickness in mm _____

Surface 1 _____

Surface 2 _____

Length mm _____

Right to alterations reserved.

Acoustic Enclosures

Acoustic Panel Accessories

LMVUS/ LMVIN/LMVUD

General

Dampers

Silencers

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Plenum
Boxes

Louvers

Kitchen
Hoods

Supports
& Bands

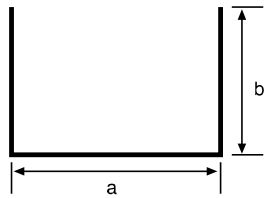
Access
Doors

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Flanges &
Accessories

Tapes &
Sealants

LMVUS



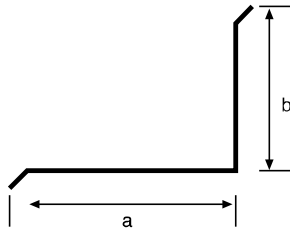
Dimensions

LMVUS U Rails

U Rails, for the mounting on the floor, wall or ceiling, are supplied in lengths of 2500 mm.

	a mm	b mm
Standard	50	35
	100	35
	150	35
	200	35

LMVIN



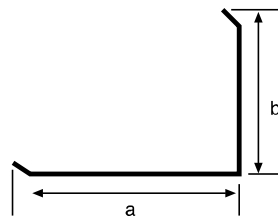
Dimensions

LMVIN Interior Angle Rail

Interior angle rails, for coverage of interior corners on the walls and ceiling, are supplied in lengths of 2500 mm.

	a mm	b mm
Standard	50	35

LMVUD



Dimensions

LMVUD Exterior Angle Rail

Exterior angle rails, for coverage of exterior corners on the walls and ceiling, are supplied in lengths of 2500 mm.

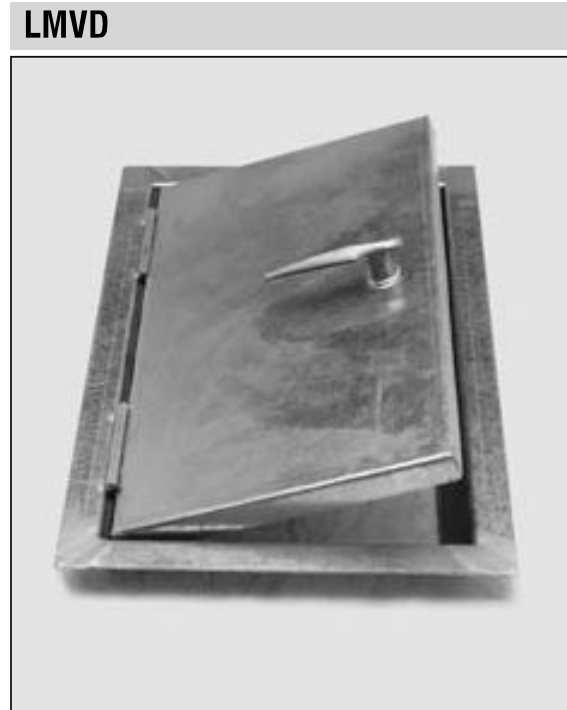
	a mm	b mm
Standard	85	45
	135	45
	185	45
	235	45

Right to alterations reserved.

Acoustic Enclosures

Acoustic Panel Accessories

LMVD



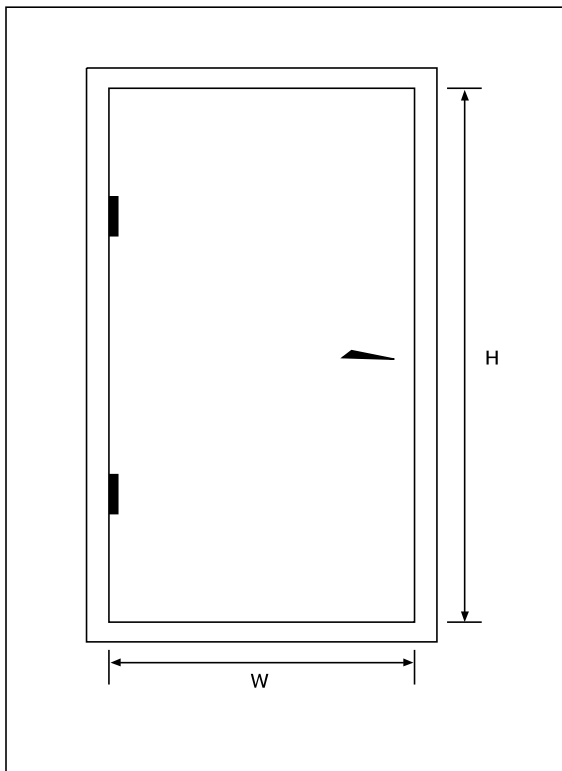
Description

Machine room doors are double walled door panel with mineral wool insulation. Designed to provide access for machine rooms and enclosure.

Construction

Machine room doors are supplied in standard 50 mm thicknesses, and can be installed as needed with 2-layers made-to-measure double glazing. Outer and inner walls are manufactured from galvanized steel sheet metal 3mm thick. Closure by double lever locking devices which can be operated from both sides. Can be supplied with double glass as option.

Dimensions



Standard Sizes

	Doorway size	
	W mm	H mm
Standard	605	805
Single leaf	605	1205
	605	1605
	605	1805
Spec. single leaf	800	1961
Double leaf	1595	1961

General

Dampers

Silencers

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Plenum Boxes

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