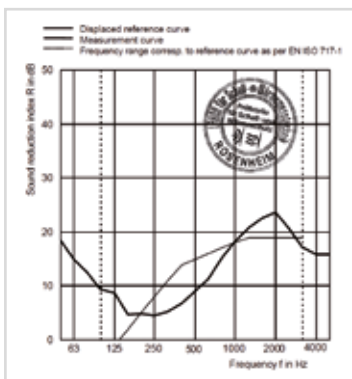


446/225

Acoustic wall louvre

SOUND-
REDUCTION
LOUVRE

ALUMINIUM



MATERIAL

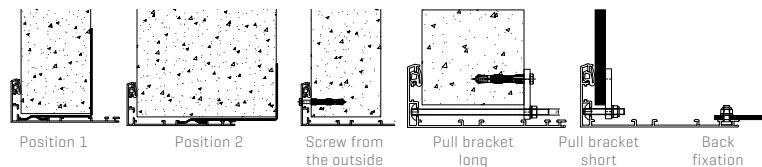
- Aluminum profiles AlMgSi 0,5 (according to EN 12020-2)
- Acoustic insulation material: non-flammable mineral wool
- Stainless steel mesh 304 6x6mm
- Finishing: anodized in satin colour (20 micron) or powder-coated in any RAL or Syntha Pulvin colour (40 micron)
- 100% stainless

DIMENSIONS

- Blade pitch: 150 mm
- Depth to fit: 218 mm
- Flange size: 55 mm
- Height in steps of 150 mm (space between blades)
- Minimum dimensions: 300 W x 410 H

FIXING

- Fixing bracket: installation with bracket no. 1428 possible
 - position 1: up to 100 mm wall thickness
 - position 2: for wall thickness up to 200 mm
- Screws: Fix the screws from the outside through the flange (screw holes upon request)
- Pull bracket: fixation with a long pull bracket and expander bolts for wall mounting or a short pull bracket for connection to a ventilation channel (pull bracket rod optional)
- Fixation on the backside: by screwing a hammerhead bolt to a structural backframe
- For louvres 446/300 larger than 3m², a backframe structure is required



SEALING POSSIBILITIES

- Sealing gasket: suitable for reduction of contact sounds (option sealing gasket)
- PU sealing tape: against water infiltration (option PU sealing tape)
- Silicone seal: seal the flange on the outside with silicone (option silicone)

OPTIONS

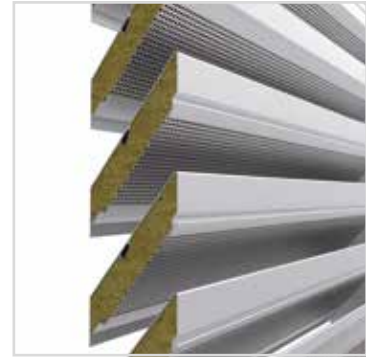
- Water channel
- Drainage profile
- Stainless steel 304 insect screen 2,3x2,3 or mesh (10x10/20x20 mm) or without
- Insect screen or mesh in stainless steel 316
- Filter
- Without flange



TECHNICAL SPECIFICATIONS

All properties are valid for the standard version of the Louvre, unless otherwise stated.

Weatherability		(EN 13030)
Class [details see p. 12]		A4 [0 m/s]
Airflow		(EN 13030)
K-factor [entry]		37.30
K-factor [discharge]		41.90
C _e coefficient		0.164
C _d coefficient		0.150
Comfort		(EN ISO 140-10, EN ISO 717-1)
Sound reduction R _w [C;C _r]		15 [-1;-4] dB
Technical data		
Visual free area		54%
Physical free area		34%
Waterproof		A [1 m/s]
Total depth		225 mm



Section detail

SOUND REDUCTION IN DB PER FREQUENCY

f in Hz	R in dB
63	15.0
125	8.7
250	4.5
500	9.1
1000	18.2
2000	23.7
4000	15.8

TECHNICAL DRAWINGS

