

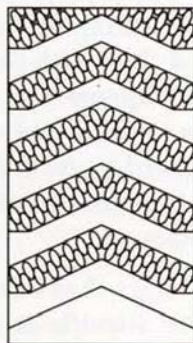
# Chevron

## Acoustic Louvres

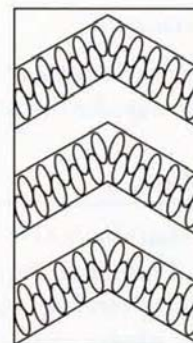
The NAP Chevron Acoustic Louvre has been specifically designed to have identical aesthetic appearance from either side, while still providing superior acoustic performance.

NAP Chevron Acoustic Louvres are designed for easy installation and for applications where space is limited, and to provide a superior acoustic performance and low regenerated noise levels under a wide range of operating conditions.

NAP Chevron Acoustic Louvres are available in two models, S-Line and H-Line, and are available in depths of 300, 450 and 600mm.



S-Line



H-Line

### S-Line

The specially designed, low profile blades, are set at a pitch of 150mm and at an angle which prevents line-of-sight through the louvre. This results in an enhanced high frequency acoustic performance and an extremely low pressure drop.

### H-Line

The specially designed, substantial blades are set at a pitch of 300mm and provides superior low frequency acoustic performance in the critical 125Hz and 250Hz octave bands.

### Sizes

Practical sizes should be chosen, giving due consideration to manufacture, handling and transport. The Acoustic Louvres are available in single units up to a maximum width of 2400mm. Large areas can be formed by a combination of modules and if necessary a structural frame.

### Standard Construction

The case sides are fabricated from galvanised sheet steel and have a folded flange front and back as an integral part of each side to give added rigidity and provide the means for fixing the louvre blades in position.

The specially designed acoustic louvre blades of the 300 models are sheathed with galvanised sheet steel on the top face for weather protection, the bottom face is sheathed with perforated galvanised sheet steel for maximum sound absorption.

The acoustic infill of the louvre blades is inert and non-combustible and is retained so that particle fatigue or corrosion does not occur. A bird guard, manufactured from galvanised wire, can be supplied fitted to the rear face of all models, if required.

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## Acoustic Louvres

### Finish

NAP Acoustic Louvres are usually supplied unpainted, but if requested they can be supplied prime painted, ready for finishing on site or powder coated.

Special projects often require special finishes and the NAP aluminium Acoustic Louvres can be supplied in plain or anodised aluminium finishes, that are fast non-fade Australian Standard grade colours that have particularly good corrosion resistance.

If greater corrosion resistance is required the louvres can also be supplied in stainless steel.

### Specifications

Acoustic Louvres shall be NAP Chevron Acoustic Louvres. They shall be fabricated from galvanised sheet steel or Aluminium sheet. The acoustic blades shall be filled with

inert, non-combustible acoustic material.

Where required, a corrosion resistant wire bird guard shall be provided.

### Installation

In most applications, the Acoustic Louvre is installed after construction of walls, we recommend that a clearance gap of 10mm be left on each of the three sides.

For the highest acoustic performance and for the most attractive finish, the Acoustic Louvre should be mounted flush with the external wall and fixed with appropriate anchors. Any gaps between the case and wall at fixing points must be packed to avoid distortion to the Louvre case. After fixing, seal all gaps with a non-setting compound.

For applications larger than one module, please contact NAP Silentflo or your local agent.

### Noise Reduction (dB)

Octave Band Centre Frequency in Hz

	63	125	250	500	1k	2k	4k	8k
300 CS-Line	7	9	11	16	19	23	24	21
450 CS-Line	7	10	12	19	24	33	34	30
600 CS-Line	7	11	14	23	33	43	44	40
300 CH-Line	9	13	15	17	20	19	21	21
450 CH-Line	9	13	18	22	26	26	25	24
600 CH-Line	9	14	22	27	33	33	30	27

In order to obtain the approximate Transmission Loss, subtract 6dB from the Noise Reduction figures.

**NAP SILENTFLO**  
THE EXPERTS IN NOISE CONTROL

ABN 19 071 443 886

[www.nap.com.au](http://www.nap.com.au)

#### Melbourne

12A Bricker Street  
Cheltenham, Vic. 3192  
Phone: (03) 9555 9511  
Fax: (03) 9555 7611

#### Sydney

3/84 Great North Road  
Five Dock, N.S.W. 2046  
Phone: (02) 9712 0722  
Fax: (02) 9712 0822

Represented by:



**COOKE  
INDUSTRIES**

**Auckland (Head Office)**  
31 Station Road, Penrose, Auckland, NZ  
PO Box 12021, Penrose, Auckland 1642  
Ph: +64-9-579 2185 Fax: +64-9-579 2181

**Christchurch (Branch Office)**  
Level 3, 161 Kilmore Street, Christchurch, NZ  
PO Box 13516, Armagh, Christchurch 8141  
Ph: +64-3-379 7884 Fax: +64-3-379 7874

Web: [www.cookeindustries.co.nz](http://www.cookeindustries.co.nz) Email: [sales@cookeindustries.co.nz](mailto:sales@cookeindustries.co.nz)

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