

STORM LOUVRES



AIR IN MOTION



Louvre selection guide

Type

Use

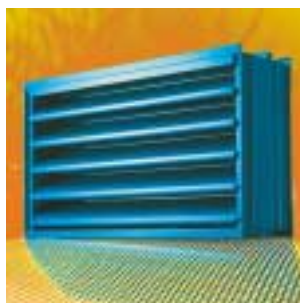
**Standard (non drainable) louvres.
Horizontal blade**

Use in sheltered areas and where water entry will not damage the building fabric. Also used for screen walling (with blanking plates fitted) and plantroom screens.



**75P (drainable) louvres
Horizontal blade**

Provides improved water protection over standard louvres. Use in more exposed areas and where increased protection from wind driven rain is required.



**SLH-S Storm louvre
Horizontal blade**

A superior design providing a very high level of water protection unmatched by other single bank systems.

**SLH Storm louvre
Horizontal blade
Sight proof**

For use in any location where restricted wind driven rain penetration is required.

**SLV Storm louvre
Vertical blade
Sight proof**

Top of the range performance louvre for use where 'dry room' conditions are required. Unmatched by any competitive design, offering superb aerodynamic and water rejection properties.



**SLH-SD Horizontal blade
Double bank**

Probably the best louvre available of its kind. Combining excellent water rejection with good aerodynamics. Use in locations where water entry must be the minimum possible.



75 Polycarbonate blade

For areas where increased daylight combined with ventilation are required; eg. stairs, corridor areas etc.

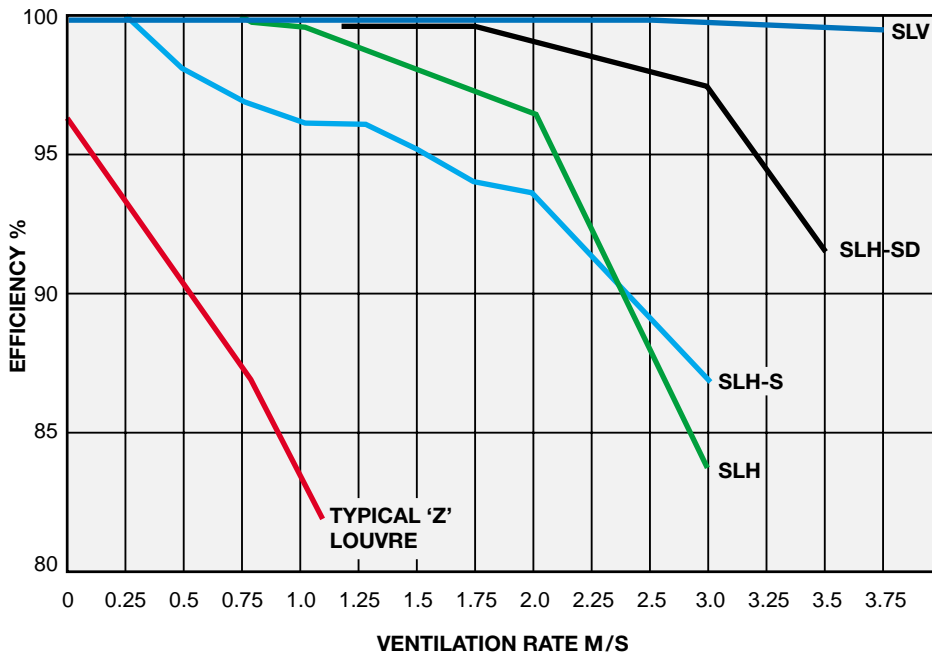
Slimtype & Trickle

Small format simple ventilation systems for window / door applications where water ingress is acceptable.



Performance data

The following graph details louvre efficiency comparisons (water rejection) for our storm louvres



Weather louvres are classified by their ability to reject simulated rain.

Classifications are as follows:-

The water effectiveness is denoted by:

Class	Effectiveness
A	1 to 0.99
B	0.989 to 0.95
C	0.949 to 0.80
D	below 0.8

ie. 0.99 effectiveness 99% water repellent efficiency.

The aerodynamic effectiveness is:

Class	Discharge / entry Loss coefficient
1	0.4 and above
2	0.3 to 0.399
3	0.2 to 0.299
4	0.199 and below

The water penetration class letter should precede the coefficient of discharge class letter followed by the limiting core velocity, eg.

A1 up to 3.5 m/s

Classification from design tests carried out by BSRIA to the HEVAC technical specification now developed and published as BS EN ISO 13030.

Test Classification

Water Class	Cd Class	Core Velocity
SLV		
A	1	Up to 3.5 m/s
SLH		
A	3	Up to 1.0 m/s
B	3	1.0 to 2.0 m/s
C	3	2.0 to 3.0 m/s
SLH-S		
B	2	Up to 1.5 m/s
C	2	1.5 to 2.9 m/s
SLH-SD		
A	3	Up to 2.0 m/s
B	3	2.0 to 3.0 m/s
C	3	3.0 to 3.5 m/s
75P		
B	3	Up to 0.5 m/s
C	3	0.5 to 2.0 m/s
75 Polycarbonate		
B	3	Up to 0.5 m/s
C	3	0.5 to 1.0 m/s
Standard series 50/75/100		
C	3	Up to 1.5 m/s

Materials and finishes

All louvres within the Naco range are normally manufactured from aluminium extrusions. Flashings where required will be formed from pressed aluminium sheet.

Powder coated

Louvre assemblies and flashings can be powder coated matt polyester to BS and RAL colours.

Anodising

Louvres and flashings may be natural or colour anodised within commercial colour tolerances which will be agreed for each project.

Mill finish

Louvres and flashings may be supplied in mill finish and while the integrity of the material is unaffected, the visual appearance will be impaired due to the natural oxidisation process which will occur on mill finish aluminium, therefore painting is recommended to enhance the finished product.

General construction

Louvres are produced in factory assembled panels for coupling into final assemblies on site. The normal maximum panel size is approximately 1.5m x 2.5m and horizontal or vertical louvre assemblies will normally be supplied within these limitations. Larger shaped or circular louvre assemblies will be manufactured in panel sizes. SLV & SLH panels are produced in 2m² units for coupling on site. Larger louvre assemblies may require intermediate steel support rails which would normally be provided by the general contractor in consultation with our design office.

