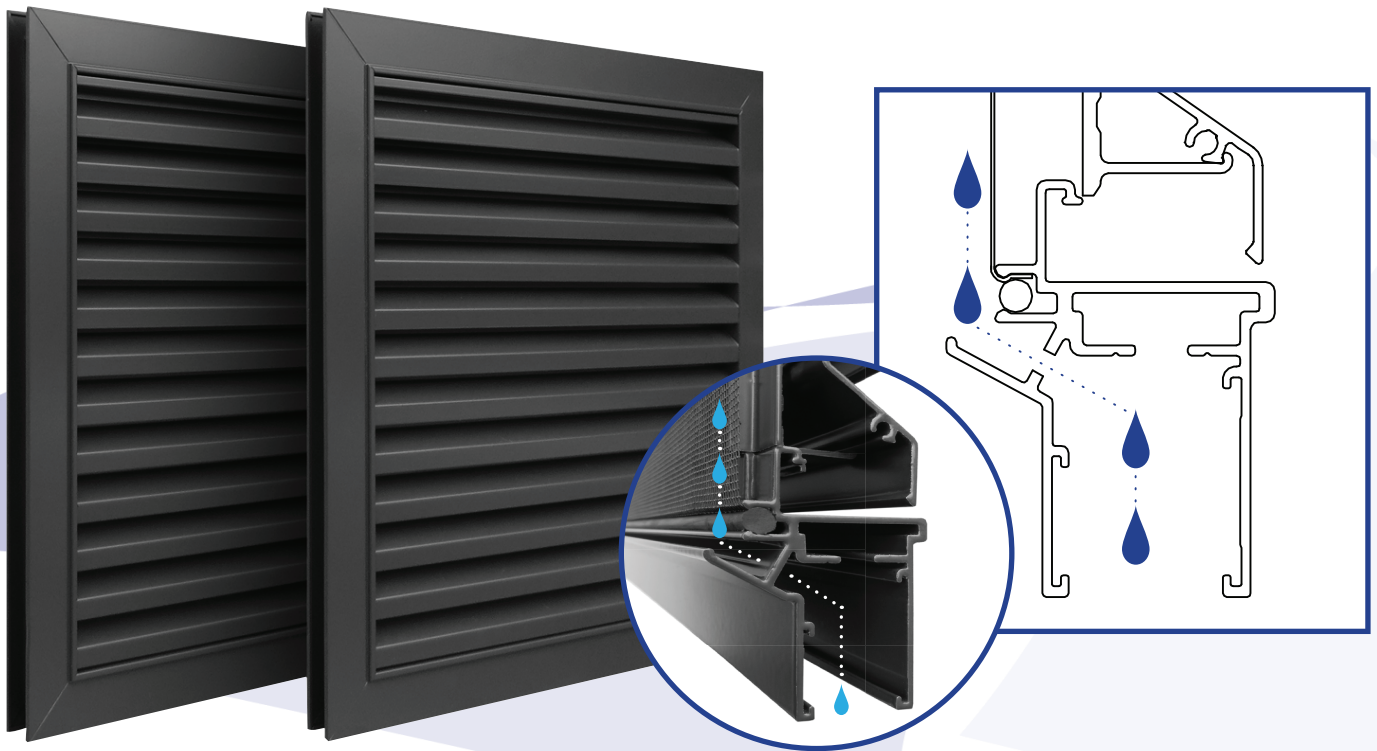


AVS34 GL DR

(Integrally Drained) Product Data Sheet



United Kingdom Patent Application No. 1413937.2

General Description

The AVS 34 is a small format extruded aluminium louvre system specifically designed for use within the window industry that has been extensively used in schools and higher education facilities, hospitals as well as a number of high profile residential and retail schemes. The UNIQUE new **DR** version of this product has been specifically designed to allow any water that collects on the flyscreen and drops down to track out of the base of the louvre and into the existing drainage system of the window or curtain wall system. Suitability of this method of drainage should be checked with the relevant window systems supplier to confirm acceptability.

Technical Details

Materials

- Extruded Aluminium alloy profiles to 6063 T6
- Profile thickness 1.5mm
- Mechanically jointed with Zintec corner chevrons

Performance

- Class 'AA' weather rating with Fibreglass Insect Mesh
- Class 'AB' weather rating with Stainless Steel Insect Mesh
- Refer to BSRIA performance evaluation data on pages 2 & 3 of the product data sheet
- 39.8% Free area based on louvre core (excludes top and bottom blade arrangements and any intervening blade carrying profiles)
- Mean Ce Factor 0.202 (Class 3)

Dimensions

- 34mm Blade Pitch
- Product depth 44mm o/all
- Glazed-in outer frames to suit 24 & 28mm as standard
- Glazing rebate height 24mm

Options

- 24 or 28mm Glazed-In Outer Frames as standard
- Fly screen options include nylon glass fibre as standard, Aluminium or Stainless Birdguard
- Enhanced Security Option
- Blanking Panels – thermal (composite) or simple sheet blanking

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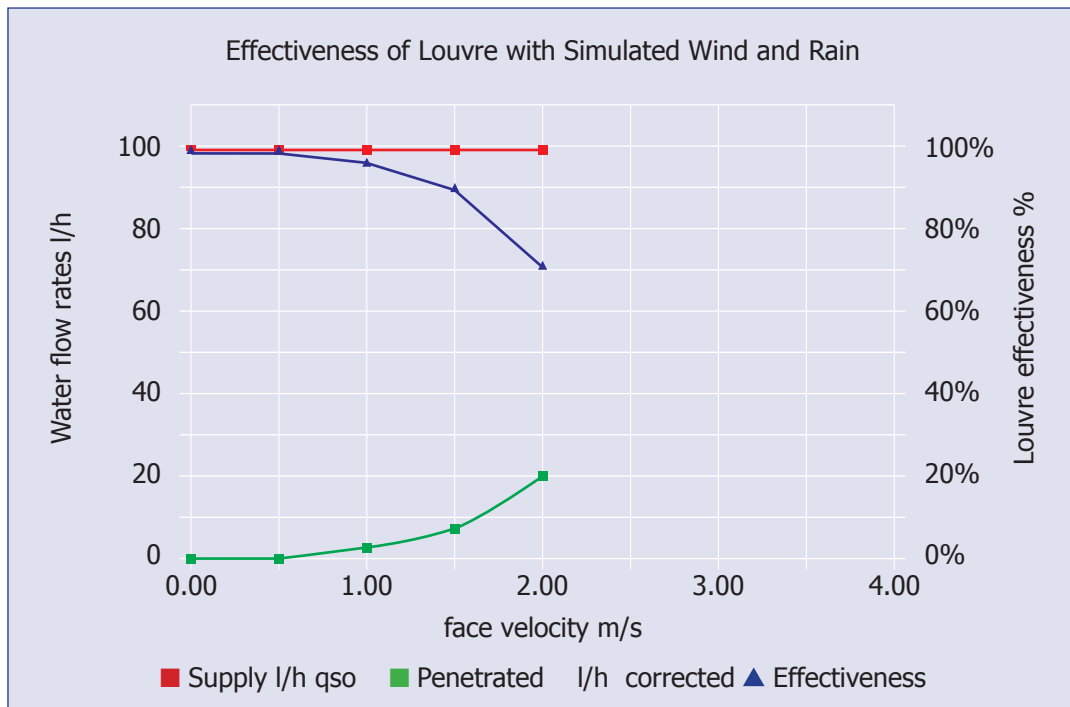
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Classification from design tests undertaken by BSRIA based on a 980 x 980 core louvre area (0.960m²).

Weathering Performance with Fibreglass Insect Mesh:

VENTILATION RATE		WATER FLOW RATES		Effectiveness	
Volume m ³ /s	Velocity m/s	Supply l/h	Penetrated l/h	Effectiveness	Classification
0.00	0.00	99.0	0.1	99.8%	A
0.48	0.50	99.0	0.4	99.4%	A
0.96	1.00	99.0	2.7	96.3%	B
1.44	1.50	99.0	7.3	89.9%	C
1.92	2.00	99.0	20.7	71.2%	D



Performance testing is undertaken in line with BS EN 13030:2001 Ventilation for Buildings. Terminals. Performance testing of louvres subject to simulated rain.

It should be noted that testing is undertaken on louvres of a specific size range only, generally 1m x 1m and so the performance data in relation to weathering is only applicable to a louvre of that size and under the conditions described in the test. Accordingly performance data should only ever be used as a guide to actual performance or to provide comparative performance between different louvre types.

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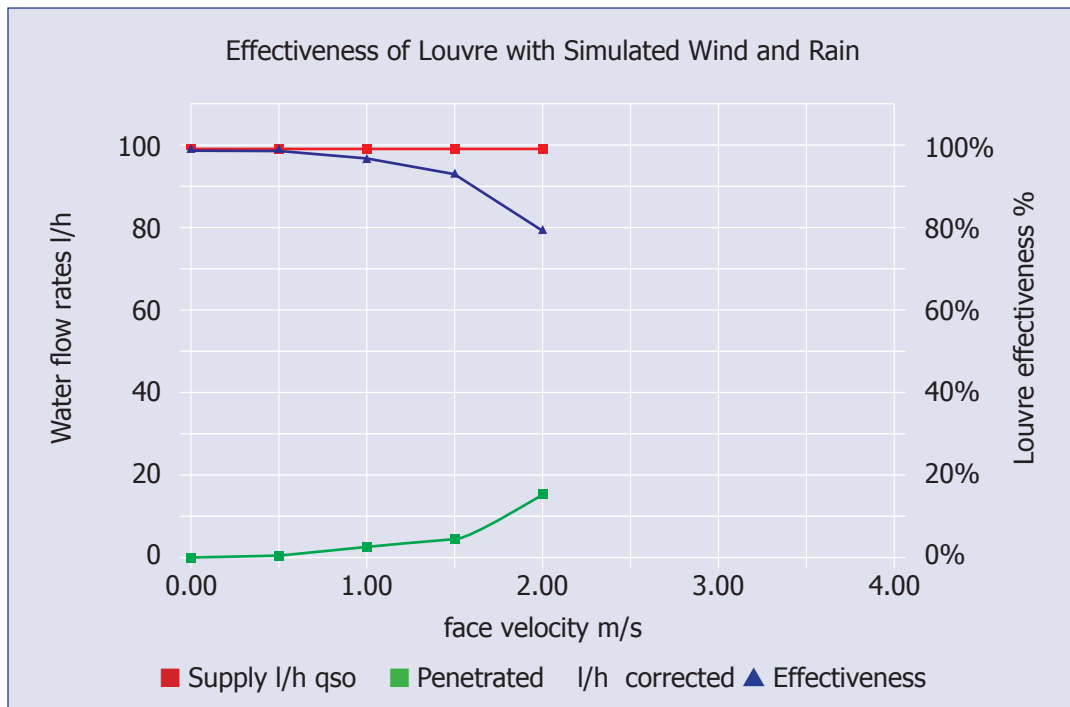
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Classification from design tests undertaken by BSRIA based on a 980 x 980 core louvre area (0.960m²).

Weathering Performance with Stainless Steel Insect Mesh:

VENTILATION RATE		WATER FLOW RATES		Effectiveness	
Volume m ³ /s	Velocity m/s	Supply l/h	Penetrated l/h	Effectiveness	Classification
0.00	0.00	99.0	0.7	99.0%	A
0.48	0.50	99.0	1.2	98.4%	B
0.96	1.00	99.0	1.9	97.3%	B
1.44	1.50	99.0	4.5	93.8%	C
1.92	2.00	99.0	14.9	79.3%	D



Performance testing is undertaken in line with BS EN 13030:2001 Ventilation for Buildings. Terminals. Performance testing of louvres subject to simulated rain.

It should be noted that testing is undertaken on louvres of a specific size range only, generally 1m x 1m and so the performance data in relation to weathering is only applicable to a louvre of that size and under the conditions described in the test. Accordingly performance data should only ever be used as a guide to actual performance or to provide comparative performance between different louvre types.

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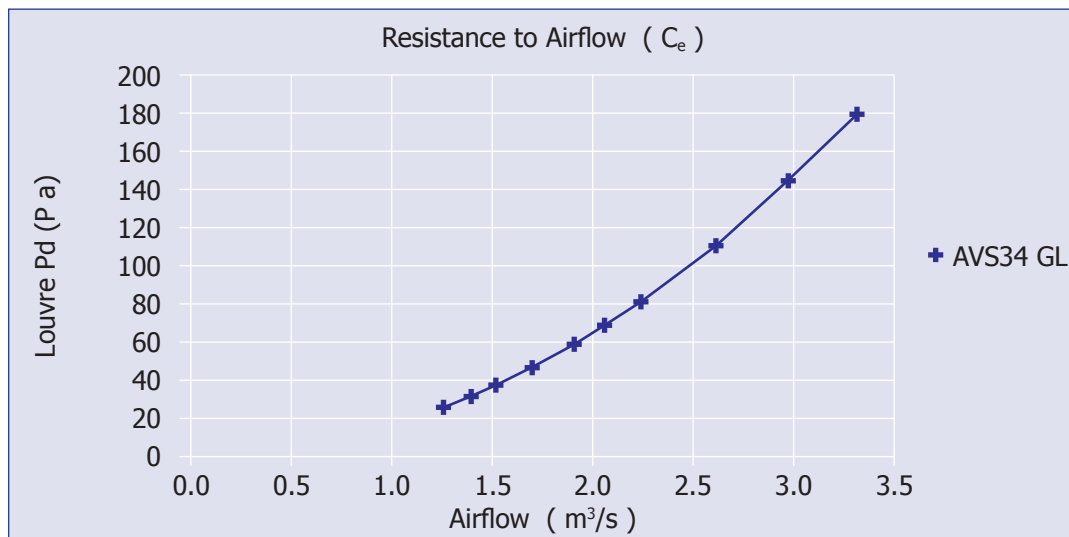
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AVS34 GL DR

Performance Data 1

Airflow Performance with Flyscreen:

Louvre pd Pascals	LOUVRE FACE VELOCITY		AIR FLOW RATE		Coefficient C _e
	m/s		Test m ³ /s	Theoretical m ³ /s	
25.0	1.31		1.256	6.204	0.202
30.7	1.45		1.395	6.875	0.203
36.8	1.58		1.521	7.527	0.202
45.8	1.77		1.702	8.397	0.203
58.2	1.99		1.910	9.466	0.202
68.3	2.15		2.063	10.254	0.201
80.6	2.34		2.244	11.139	0.201
110.1	2.73		2.620	13.019	0.201
144.3	3.10		2.981	14.905	0.200
179.2	3.46		3.322	16.609	0.200
				mean C _e	0.202
				Class	3



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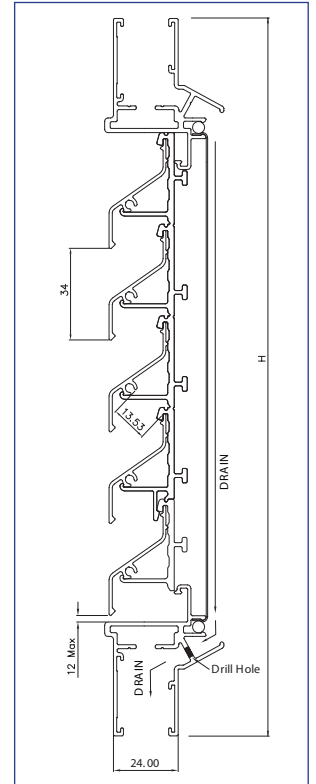
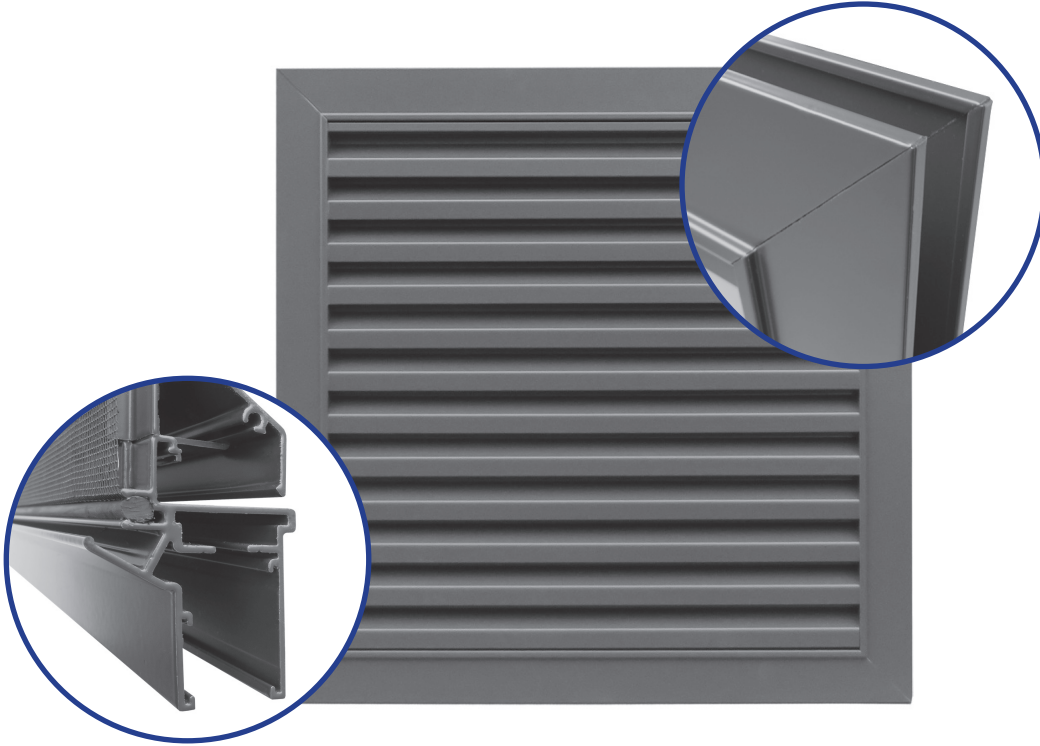
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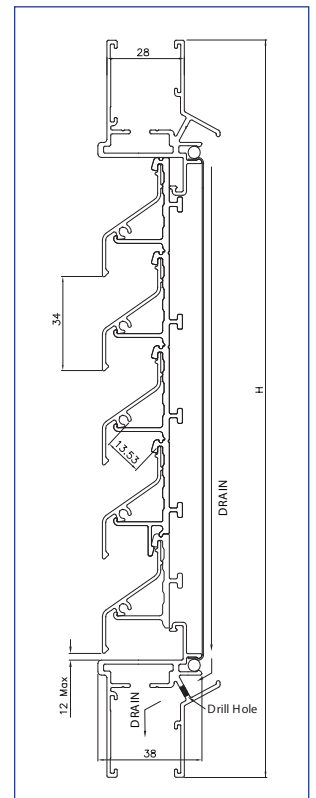
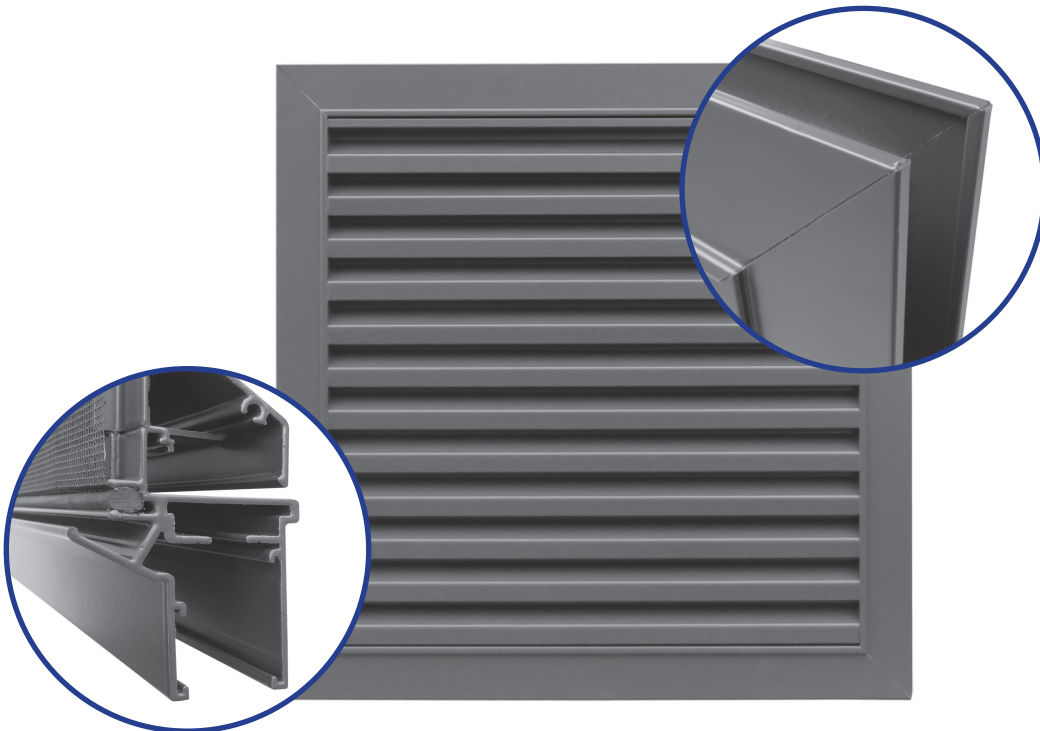
AVS34 GL DR

Product Variants

AVS34 GL24 DR



AVS34 GL28 DR



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