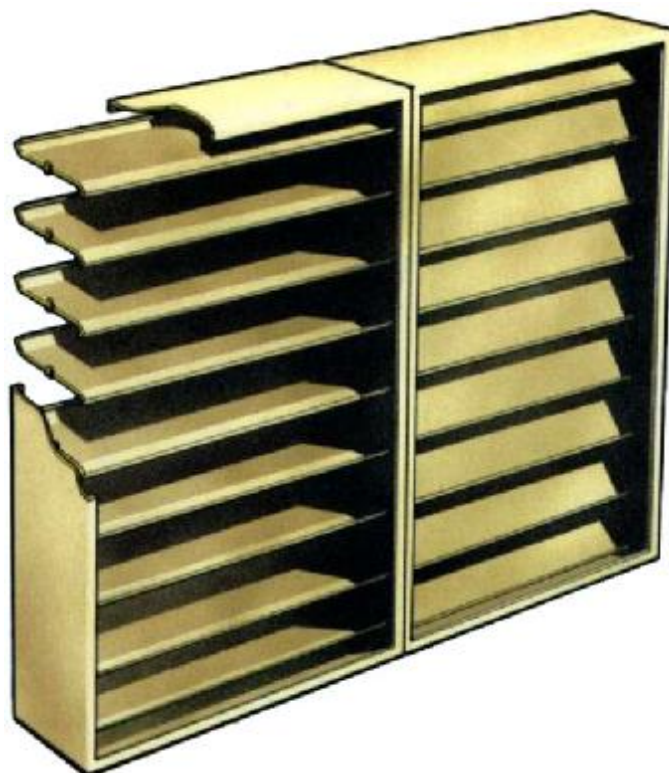




*"Innovative building solutions  
for a sustainable environment"*



# 'Vogue' Operable Pressed Box Louvre

Designers and Specifier's Technical Manual

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# Vogue Operable Pressed Box Louvre



## Introduction

Zefyr 'Vogue' Pressed Louvres are designed to provide the maximum air inlet capacity with minimum louvre face area – free inlet areas can be up to 75%.

In the fully open position the louvre blades are contained completely within the louvre framework. When closed they have minimum air gaps preventing heat loss and draughts.

Manufactured primarily in Versacor, the louvres can be installed as single units or banked either vertically or horizontally into cladding or brickwork.

## Application

Horizontal blade operable box louvres manufactured from Versacor, Armacor, HP200 Plastisol or Aluminium. Can be used singly or in horizontal or vertical runs. Can be fitted into openings in masonry, brickwork or cladding. Suitable for applications where control of the airflow is required.

## Installation

Bedded on to mastic sealant in masonry or brickwork and secured with flashings. Bolted or screwed to sheeting rails in cladding or secured with flashings.

## Performance

Blade design has been tested for structural and aerodynamic performance to produce optimum spanning and pressure loss characteristics.

## Box Frame And Blades

Versacor protected metal. Embossed coloured finish in standard Versacor, Armacor, HP200 Plastisol or Aluminium. Other material specifications are available.

## Blade Pivots And Bushes

Self-lubricating moulded nylon for long maintenance-free life.

## Air Infiltration

Very little infiltration when louvres are in the closed position.

## Birdguards

Available as an optional extra in galvanised, PVC coated galvanised steel or aluminium, or to suit customer's requirements.

## Insect Screens

Available as an optional extra in expanded aluminium small mesh type M901A (to B.S.1470: 1987) or stainless steel wire mesh.

**Note:** Birdguards/insect mesh will reduce the louvre free area.

## Controls

1. Manual winder handle or remote winder, pole operated.
2. Gas strut with cable and winch.
3. Remote electric actuator.
4. Pneumatic actuator.

## Standard Heights And Widths

See Table. Non-standard widths are available.

## Opening Sizes

Individual louvres. Height +20mm. Width +20mm. Multiple banks – as above plus 5mm between each louvre box.

## Flashings

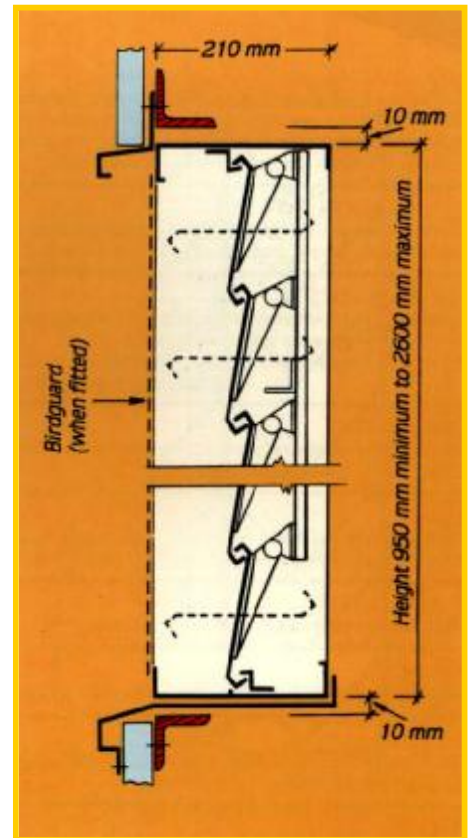
Head, cill and jamb flashings can be supplied, where required, to suit customer's requirements.

## Weight

17.5 Kg/m<sup>2</sup>

## Maintenance

These louvres require minimum maintenance. We would however, recommend that they are operated regularly, and washed down frequently with soapy water.



Measured Free Areas (m <sup>2</sup> ) - Blades Horizontal					
No. Of Blades	Height	Width (mm)			
		500	1000	1250	1500
6	950	0.295	0.655	0.751	1.015
7	1100	0.346	0.770	0.980	1.191
8	1250	0.400	0.882	1.125	1.369
9	1400	0.448	1.000	1.142	1.541
10	1550	0.500	1.120	1.273	1.720
11	1700	0.550	1.224	1.403	1.895
12	1850	0.602	1.337	1.534	2.073
13	2000	0.654	1.452	1.665	2.250
14	2150	0.706	1.570	1.797	2.425
15	2300	0.759	1.686	1.933	2.600
16	2450	0.813	1.805	2.067	2.774
17	2600	0.868	1.924	2.202	2.964

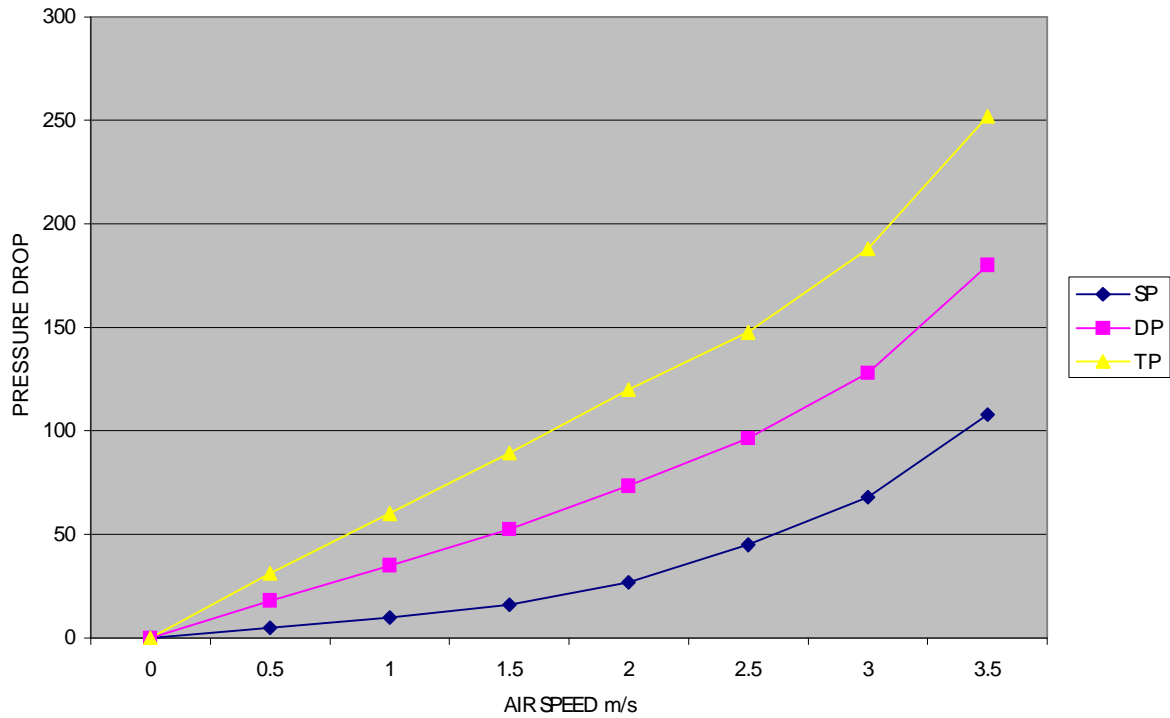
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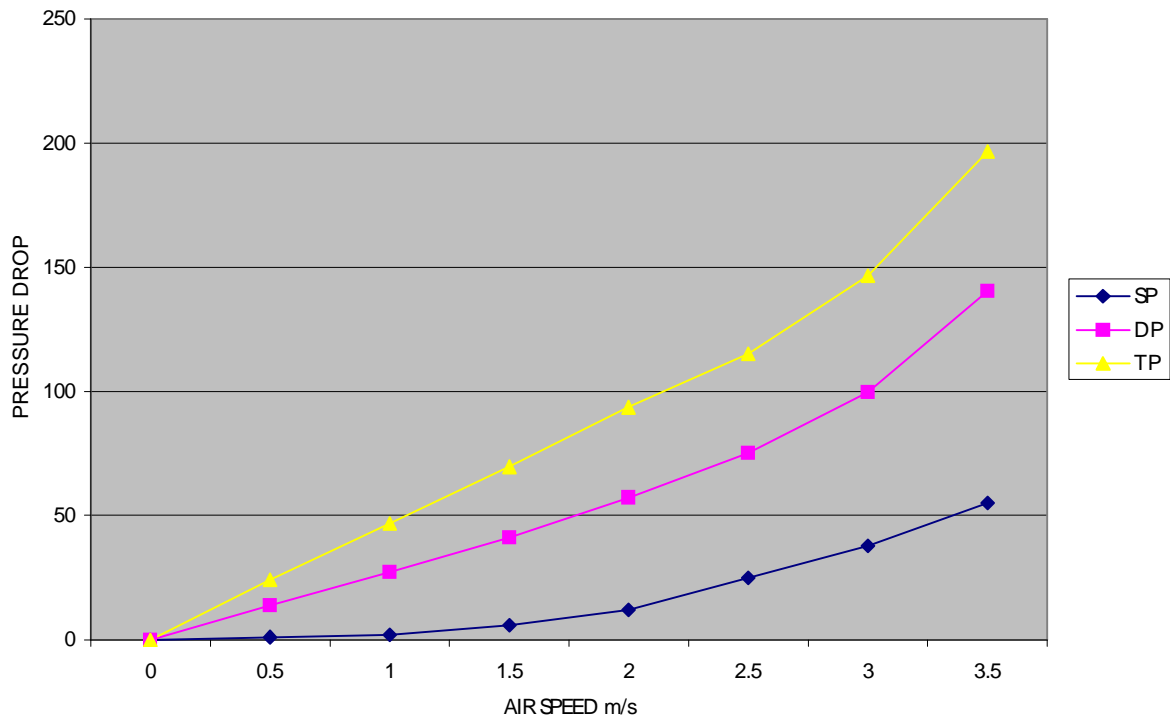


## Pressure Drop Curves

VPL 60 PRESSURE DROP CURVES



VPL 80 PRESSURE DROP CURVES



# Vogue Operable Pressed Box Louvre



VPL 125 PRESSURE DROP CURVES

