ZEFYR SRV
STREAMLINE RIDGE VENT
**INTRODUCTION**
The Zefyr small streamline ridge ventilator range is designed to provide natural ventilation in buildings where nominal ventilation rates are required through solar gain, light engineering processes or general warehousing. Manufactured primarily from Versacor, Armacor, HP200 Plastisol or Aluminium, and proven over many years to be highly resistant to corrosion, these ventilators embody long life characteristics. Their low profile means that they fit unobtrusively onto any building. The proven performance is based on 40 years service throughout the industry and backed by aerodynamic performance testing independently verified by a leading test authority.

**APPLICATION**
Usually installed as a continuous ventilator running along the building ridge line; designed to give uninterrupted, but evenly balanced air flow throughout the building.

**INSTALLATION**
Simple installation procedures are supplied with every ventilator which is manufactured in a preformed and predrilled format to ensure ease of assembly. It is important that the roof cladding / steelwork has sufficient clearance so that the ventilator throat is not restricted. Zefyr ventilators are supplied in ‘knocked down’ form in order to reduce packaging and keep shipment costs to a minimum.

**WEATHERTIGHTNESS**
All Zefyr ventilators are proven and tested to withstand all weather conditions ranging from monsoons in the tropics to the icy rains of the Northern Hemisphere.
PERFORMANCE
Structurally and aerodynamically tested to produce the optimum coefficients of discharge to ensure maximum performance/minimum cost installations.

MAINTENANCE
These ventilators require minimum maintenance once installed. We would however, recommend that units fitted with control dampers are operated regularly.

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

CONTROLS
All units can be fitted with dampers to enable maximum control of the ventilator rates. The method of control can be manual cord, remote electric or pneumatic depending on the customer’s requirements.

SIZES
The Streamline Ridge Ventilator (SRV) is manufactured in two standard throat sizes, 250 mm and 500 mm. The units come in 3 m standard lengths and can be installed as individual ventilators or joined lengthways to form one continuous run.
DIMENSIONS AND WEIGHTS

Dimension ‘X’ not to exceed permissible cantilever of roof sheeting.

Dimension ‘Y’ must not be less than throat dimension ‘A’ + 20mm.

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Weight Kg/LM</th>
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<tbody>
<tr>
<td>250</td>
<td>410</td>
<td>754</td>
<td>17.8</td>
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<tr>
<td>500</td>
<td>820</td>
<td>1330</td>
<td>3702</td>
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MAINTENANCE
Routine maintenance consists of visual inspection every 12 months to check all internal drainage channels are clear. When dampers are fitted, they should be operated once monthly.

CONTROL SYSTEMS
For simple ventilation systems, ventilators would normally be operated using a hand cord system. If more complicated control systems are required, contact Zefyr for further guidance. Details shown are for general guidance only.

1. Cord control damper pack comprises of an 18m nylon coated log line, two changes of direction pulleys with a low level pull type handle and wall fittings. The cord system must run at right angles to the line of ventilators with one change of direction only at the eaves position. This system can operate either a 3m or 6m section of damper blade. For practical reasons a maximum ventilator length of 30m operated cord control is recommended.
2. Shaft and lever gear can be offered in three variants:

a) Manual operation - using a low level handle operated gearbox with drive shaft

b) Pneumatic operation - double acting pneumatic cylinders, regulator valves and shaft/lever mechanism

c) Electric operation - using electrically operated linear actuators and a shaft and lever mechanism