SVS

SPECIALISED VENTILATION SOLUTIONS

SMOKE VENTILATION | EXTRACTION

Automatic Release Ventilator

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Helm H-ARV

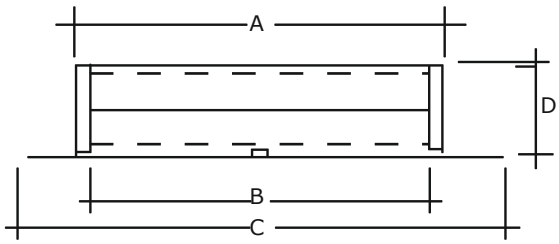
helm
MANUFACTURING INGENUITY

Fire / Smoke Ventilation

To expel Smoke and Fumes- Even Flames. It's the sensible way to keep your assets safe. Use our expertise to benefit, so many others do.

The Helm H-ARV is designed to automatically provide its maximum exhaust area under fire conditions, whilst providing a fully weathered unit in its normally closed position.

Dimensions (mm)



Section

Model	Throat Opening Width	Throat opening Length	Height
ARV 2012	2000	1200	200
ARV 2016	2000	1600	200
ARV 2022	2000	2200	200
ARV 1512	1500	1200	200
ARV 1500	1500	1600	200
ARV 1500	1500	2200	200

Note : Various size available in the ARV range

PLEASE NOTE: Due to the introduction of our ongoing research & development programme, we reserve the right to supply products which may differ slightly from those illustrated and described in this brochure.

Advantages of using a Helm Automatic Release Ventilator:

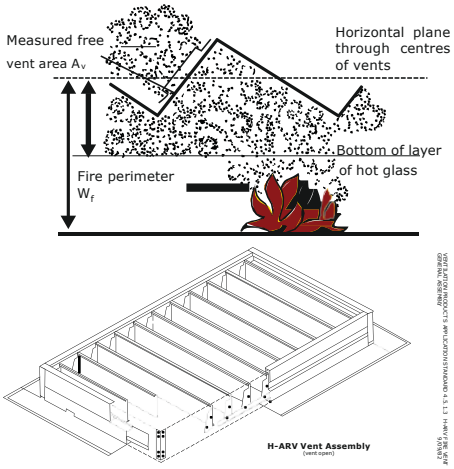
- **Economical** Variable ventilator sizing can reduce capital outlay.
- **Attractive** Low streamlined appearance.
- **Materials** Manufactured in embossed and plaingalvanised steel, stainless steel, aluminium and pre-painted finishes.
- **Installation** Easily and quickly installed on all types of industrial roofing.
- **Weather tight** Aerodynamically designed to exclude wind and rain.
- **Maintenance testing**
  Regular maintenance testing of all automatic Smoke / Heat Release Ventilators is required by Health and Safety Municipal Regulations.

  The H-ARV incorporates the facility to enable this testing to be carried out, from the roof or within the building.

Accessories

The following optional extras are available for the range of H-ARV units:

- **Remote controls**
  Where required, electrical or manual controls can be provided to operate individual units, or banks of units. Consult the Helm Engineering Department for full details and assistance with individual applications.
- **Bird screen / burglar bars**
  Bird screens and burglar bars can be manufactured and H-ARV Vent Assembly (vent open) supplied from materials compatible with the particular application.



Design features

Sound reasons for specifying Helm H-ARV Ventilators:

- **Coefficient of discharge**
  The Helm H-ARV has a Coefficient of Discharge of 0.78 as tested and certified by an Independent Test Authority. The result is based on tests on the largest unit and carried out in accordance with AS 2428.5.
- **Low profile**
  It's design minimises wind load effects whilst maximising exhaust areas.
- **Effective aerodynamic area**
  The effective aerodynamic area of a ventilator is a function of its coefficient of discharge and minimum net area of airway.
- **Performance tested**
  The H-ARV Ventilator has been fully tested by an Independent Test Authority. Test results are available on request.
- **Ease of installation**
  Alternative type basis are available to ensure these units can be rapidly installed onto all forms of roofing. Type A base as shown, is standard.
- **Weight**
  The design of these units has minimised the unit weight, thus easing on-site handling

H-ARV ventilators are backed by Helm's collective experience, -gathered over more than 30 years of manufacturing and supplying products to the industry.

Helm accepts undivided responsibility for research, design and engineering, manufacture, delivery and erection of their complete product range.

PLEASE NOTE: These units can be used as Natural Ventilators but must Incorporate Automatic Closing Devices e.g. Rain Detectors.

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SABS ISO 9001

CONSOLIDATED STEEL INDUSTRIES

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