

# RVI

## Multi Purpose Ventilator Ventilators(H-MP)



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(H-MP)

 **helm**  
MANUFACTURING INGENUITY

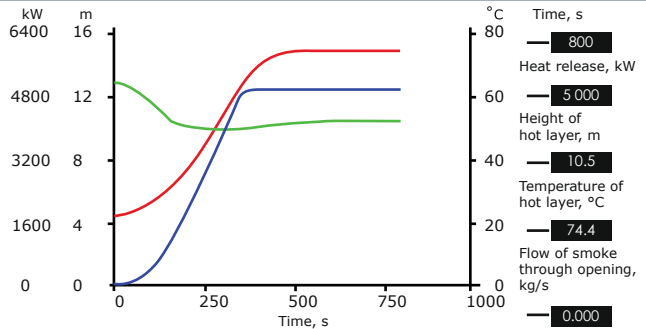
# (H-MP)

## The firelight MKIII multi-purpose ventilator

To Expel Smoke and Fumes - Even Flames. The sensible way to keep your assets safe. With natural fresh air to increase productivity. Use our expertise to your benefit, so many others do

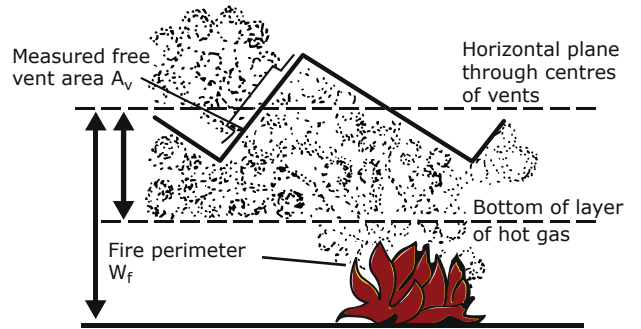
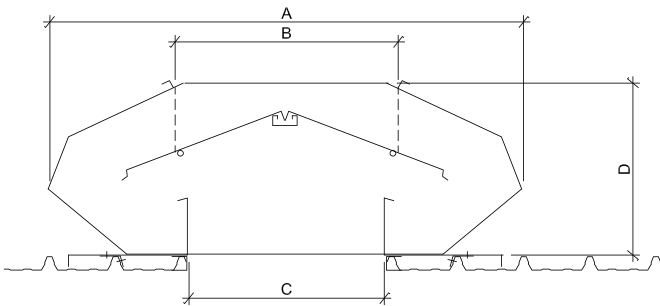
### Computer assisted design facility (Example)

Ceiling height 13 meter  
 Room area 1810 m<sup>2</sup>  
 Width of opening 29 meter  
 Height of opening 10 meter  
 Effective area of ceiling ventilation 25.5 m<sup>2</sup>  
 Height of mechanical ventilation outlets 0 meter  
 Exhaust mechanical ventilation 0 m/S<sup>3</sup>  
 External pressure at the opening 0 Pa  
 Flame temperature 1000 °C  
 Ambient temperature 22 °C  
 Optical density of smoke at the source 2.1/m  
 Height of fire source above the floor 0.5 meter



The above example serves as a guide. We have Ventilation Engineers available to provide advice, and design comprehensive systems best suited to your requirements.

### Dimensions (mm)



### Section

Model	A	B	C	D	Throat Length
MKIII 450	1520	535	450	610	2150
MKIII 600	1520	685	600	610	2150
MKIII 750	1520	835	750	610	2150

Firelight MK III ventilators are backed by Helm's collective experience of more than 30 years of manufacturing and supply to the industry.

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

### Specification

- Ventilators will be of the Firelight MKIII (multi-purpose) type as manufactured by Helm Engineering.
- Ventilators will be the size shown on the drawings.
- As natural ventilators, the units will be weather tight under all normal positive pressure conditions, will be capable of withstanding a wind load of 1,5 kN/m<sup>2</sup> and will have a free area of exhaust at least equal to the throat opening.
- Provision will be made to permit manual operation from the roof for testing purposes without disturbing the release mechanism.

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

### Ventilators can be constructed from either:

Galvanised, Aluminium, Stainless steel and Pre-painted material. An embossed finish is also available on request.

**PLEASE NOTE:** Bird proofing and burglar bars are optional extras.



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CONSOLIDATED STEEL INDUSTRIES (PTY) LTD.