

NATURAL SMOKE & HEAT EXHAUST VENTILATOR

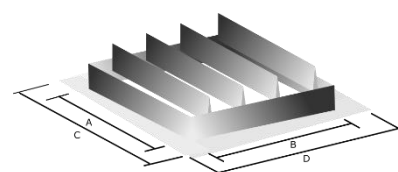
The Curvent Fire-X 1620 fire ventilator is a louvre bladed slope mounted fire ventilator with a low-profile design to enhance the architectural aesthetics of any building. The louvred blades are designed to close individually over its own rain channel, providing a waterproof system in the closed position. In the event of fire, the spring loaded louvred blades open automatically to allow hot gasses to exhaust. This will aid in the building's structural integrity against collapse.

The smokeless layer of fresh air created at lower level creates a safe evacuation passage for people and assists in firefighting disciplines. Natural day-to-day ventilation is made possible with the addition of electromechanical or pneumatic operating systems or Curvent Pinnacle Roof Turbine ventilators. The ventilator is renowned for its versatility. It provides for large ventilation areas, and can be custom-built to suit most steel structures, roof profiles and specific design requirements.

Louvre Ventilated Model Type	1620B	1620C	1620G	1620H	1620K
Geometric Area (Av)	1.45m ²	2.33m ²	2.97m ²	3.45m ²	3.94m ²
Coefficient of Discharge (Cv)	0.66	0.66	0.66	0.66	0.66
Aerodynamic Free Area (Aa)	0.96m ²	1.54m ²	1.96m ²	2.28m ²	2.60m ²
Geometric Throat Dimensions (A+B) in mm	1125W x 1290L	1510W x 1540L	1930W x 1540L	1930W x 1790L	1930W x 2040L
Overall Ventilator Dimensions (Cx D) in mm	1595W x 1620L	2045W x 1870L	2400W x 1870L	2400W x 2120L	2400W x 2370L
Purlin Space Required in mm	1300	1600	1600	1800	2050
Mild Steel Mass (Kg)	32	58	73	85	99
Number of Blades	5	6	6	7	8

SPECIFICATION PROCEDURE:

1. Select the Model in accordance with the ventilation requirements and roof purlin spacing
2. Select the ventilator material type (i.e. Aluminium. Chromadek or Galvanised)
3. Select the fusible link activation temperature (Normally 93°C)
4. Select a secondary opening system if required (Normally 24V DC Electromechanical)
5. Select any accessories required (Dust Seals. Burglar Bars. Rain Detectors etc.)



EXAMPLE:

A specification for 23.3m² Geometric Area (Av) fire ventilation required with 1600mm roof purlin spacing available at the apex of the roof, manufactured in Chromadek material, colour Fish Eagle White. electromechanically operated, with dust seals and burglar bars the calculation would be:

CALCULATION

Ventilation required / Geometric Area (Av) 23.3m² / 2.33m² (Av of the Fire-X 1620C)
= 10 x Curvent Fire-X type 1620C Ventilators

SPECIFICATION DESCRIPTION:

10x Curvent Fire-X type 1620C slope mounted natural smoke & heat exhaust ventilators, Chromadek material, colour Fish Eagle White, with fusible links to activate at 93°C, complete with 24V DC electromechanical operating system, dust seals and burglar bars, installed in accordance with the manufacturers detailed installation specifications.



Versatile ventilator with low profile design.

Optional Accessories

Pinnacle Roof Turbines
Electromechanical Operation
Burglar Guards
Roof Closures
Rain Detectors
Dust Seals
Bird Guards
H-Frames

Product Materials Finishes

Galvanised
Aluminium
Zincalume
Powder Coating
Chromadek

Product Features

- Fire & Natural Day-to-Day Ventilation
- Standard Fusible Link Operation
- Interchangeable Blade Finishes
- Large Ventilation Capabilities
- 1 Year Product Guarantee
- Low Profile Construction - 111
- Extremely Cost-Effective
- Suit Most Roof Profiles
- Minimal Maintenance
- Robust Construction
- Superior Aesthetics