

## FIXED, ADJUSTABLE & CONTINUOUS LOUVRES

The Curvent Superflow fixed, adjustable and continuous Roof Ventilators and Louvres are designed to fit any cladding profile, window frames, brickwork or any application where permanent ventilation, replacement air or air discharge is required. The Superflow Vertiflow Louvre System is a single bank louvre system with blades in the vertical position. The vertical silhouette of the blades provides appealing aesthetics to any cladding profile. The Curvent Superflow adjustable louvres can be set to deliver variable amount of air movement depending on day to day climatic conditions. Curvent Superflow Louvres are essential in fire ventilation design. The replacement air provides a smokeless layer of fresh air at low level to create safe evacuation passage for people and to assist in firefighting disciplines. The Curvent Superflow Louvres are renowned for their robust construction. Their maximum co-efficient capabilities and low operating costs make this system extremely cost effective for intake, replacement and air discharge in any building.

The Curvent Superflow fixed louvre is manufactured in standard heights. The width can be manufactured to any dimension ranging between 300mm to 2000mm wide. To standardize the measuring parameters, a 1000mm wide louvre is used for the technical data compilation. Any alternate ventilator dimension must be calculated individually. To calculate the Aggregate Throat Area, 60mm is deducted from the overall height and 40mm from the overall width.

Fixed Louvre Model Type	SFF-3	SFF-4	SFF-5	SFF-6	SFF-7	SFF-8	SFF-9	SFF-10	SFF-11	SFF-12	SFF-13	SFF-14	SFF-15	SFF-16	SFF-17
Overall Height (A) in mm	455	595	735	875	1015	1155	1295	1435	1575	1715	1855	1995	2135	2275	2415
Overall Width (B) in mm	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Aggregate Throat Area	0.38 m <sup>2</sup>	0.51 m <sup>2</sup>	0.65 m <sup>2</sup>	0.78 m <sup>2</sup>	0.92 m <sup>2</sup>	1.05 m <sup>2</sup>	1.19 m <sup>2</sup>	1.32 m <sup>2</sup>	1.45 m <sup>2</sup>	1.59 m <sup>2</sup>	1.72 m <sup>2</sup>	1.86 m <sup>2</sup>	1.99 m <sup>2</sup>	2.13 m <sup>2</sup>	2.26 m <sup>2</sup>
Mild Steel Mass (Kg)	12.2	14.4	15.6	18.8	21	23.2	25.4	27.6	29.8	32	34.2	36.4	38.6	40.8	43
Number of Blades	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

The Curvent Superflow adjustable louvre is manufactured in standard heights. The width can be manufactured to any dimension ranging between 300mm to 2000mm wide. To standardize the measuring parameters, a 1000mm wide louvre is used for the technical data compilation. Any alternate ventilator dimension must be calculated individually. To calculate the Aggregate Throat Area, 60mm is deducted from the overall height and 40mm from the overall width.

Adjustable Louvre Model Type	SFA-3	SFA-4	SFA-5	SFA-6	SFA-7	SFA-8	SFA-9	SFA-10	SFA-11	SFA-12	SFA-13	SFA-14	SFA-15	SFA-16
Overall Height (A) in mm	450	585	720	855	990	1125	1250	1395	1530	1665	1800	1935	2070	2205
Overall Width (B) in mm	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Aggregate Throat Area	0.38 m <sup>2</sup>	0.51 m <sup>2</sup>	0.65 m <sup>2</sup>	0.78 m <sup>2</sup>	0.92 m <sup>2</sup>	1.05 m <sup>2</sup>	1.19 m <sup>2</sup>	1.32 m <sup>2</sup>	1.45 m <sup>2</sup>	1.59 m <sup>2</sup>	1.72 m <sup>2</sup>	1.86 m <sup>2</sup>	1.99 m <sup>2</sup>	2.13 m <sup>2</sup>
Mild Steel Mass (Kg)	13.3	15.7	18.1	20.6	23	25.4	27.8	29.9	32.3	34.7	37.1	39.5	42	44.4
Number of Blades	3	4	5	6	7	8	9	10	11	12	13	14	15	16

### SPECIFICATION PROCEDURE:

- Select the Model in accordance with the ventilation requirements and girder spacing or wall openings.
- Select the ventilator material type (i.e. Aluminium, Chromadek or Galvanised)
- Select any accessories required (Bird Guards, Burglar Bars, Framed Modules etc.)

### EXAMPLE:

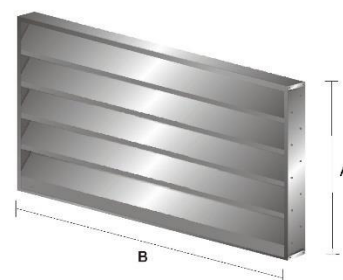
A specification for 13.2m<sup>2</sup> Aggregate Throat Area fixed louvre ventilation required with 1450mm high 1055mm wide clear wall opening available, manufactured in Chromadek material, colour Fish Eagle White, with bird guards would be:

### CALCULATION:

Ventilation required / Aggregate Throat Area 13.2m<sup>2</sup> / 1.32m<sup>2</sup>(Aggregate Throat Area of SFF-10)  
= 10 x Curvent Superflow type SFF-10 Fixed Louvres

### SPECIFICATION DESCRIPTION:

10 x Curvent Superflow type SFF-10 fixed louvres, Chromadek material, colour Fish Eagle White, with bird guards, installed in accordance with the manufacturers detailed instructions





## Inlet air is essential in fire ventilation designs...

### Optional Accessories

Insect Guards  
Bird Guards  
Burglar Guards  
Framed Modules

### Product Material Finishes

Galvanised  
Aluminium  
Powder Coating  
Zincalume  
Chromadek

### Product Features

- Reduce Building Structural Fatigue
- Designed to Aid Fire Ventilation
- Adjustable Louvres Open to 90°
- Extremely Robust Construction
- Natural Day to Day Ventilation
- Various Fixed Louvre Shapes
- 1 Year Product Guarantee
- Maximum Co Efficiency
- Superior Aesthetics
- No Operating Costs