

HEATING | COOLING | VENTILATION

WING EFFECT®

Air curtains for revolving doors with Jetflow® technology


Versatile

HEATING, COOLING & VENTILATION

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Technical Data > Wing Effect

| Model | Length of unit mm | Air volume m ³ /h | Heat output at PWW 80/60°C kW** | Water volume resistance kPa | Heat output at PWW 60/40°C kW** | Water volume resistance kPa | Water connections female thread | Output of electric heating at 400V kW | Electric connections, fans, rated output | | | Sound level min/max dB(A)* | Weight kg |
|--|----------------------|---------------------------------|---------------------------------------|-----------------------------------|---------------------------------------|-----------------------------------|------------------------------------|--|---|-------|------|----------------------------------|--------------|
| | | | | | | | | | Volt 50Hz | kW | A | | |
| Wing Effect 2002 Recommended blowout height max. 2.50 m | | | | | | | | | | | | | |
| 2002,2 | 2,2 | 2700 | 15,70 | 3,60 | 13,30 | 7,90 | 3/4" | 4/8/12 | 230 | 0,890 | 3,54 | 53 | 61 |
| 2002,5 | 2,5 | 3600 | 22,60 | 10,00 | 20,80 | 7,80 | 3/4" | 6/12/18 | 230 | 1,080 | 4,72 | 55 | 91 |
| 2003 | 3,0 | 4500 | 27,60 | 4,80 | 24,10 | 5,80 | 1" | 6/12/18 | 230 | 1,350 | 5,90 | 57 | 118 |

* Measured in 3 metres distance

Subject to technical alterations

> Wing Effect Product Description

Special Jetflow nozzle continuously adjustable exhaust angle and exhaust opening.

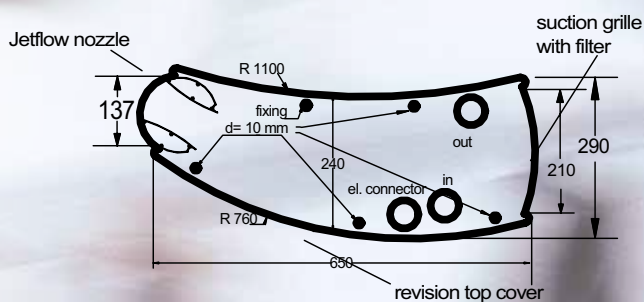
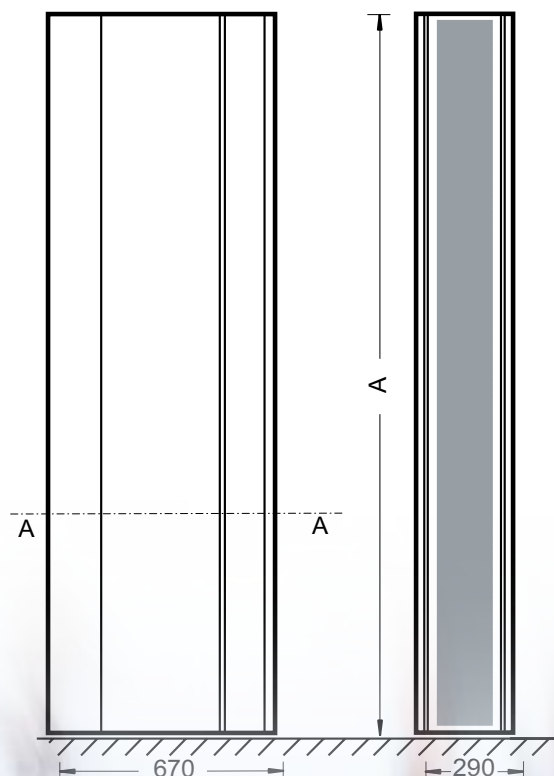
Composed of a self-supporting sheet steel housing and no screws visible in sight area.

Available in every RAL colour or Stainless steel.

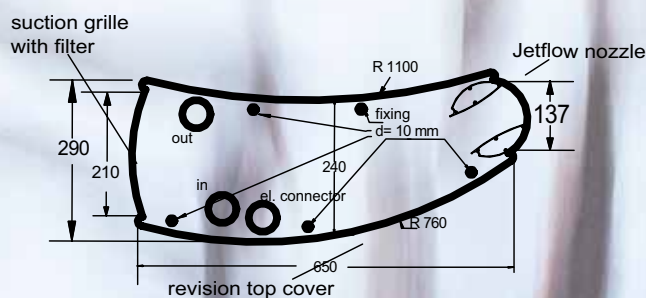
Fine inlet screen and reusable filter that can be removed without tools for easy cleaning. Special **Jetflow blow-out nozzle**.

Upright installation via tapped holes in the base plate and with recess for hidden power connections (for PWW/electrical). High-efficiency Cu/Al heat exchangers (PWW) or finned tube heat exchangers (electrical) with easy to service, stable ribs and rib spacing.

Double inlet, direct drive shock-mounted centrifugal fans, motor protected by thermal contact and electronic speed control. Fully assembled and wired.



installation right



installation left

Correction Factors

> Energy Saving

**Versatile advocate the use of low water temperature for energy saving.
Our standard outputs are based on flow and return of 60/40.**

**** LSA air curtains are supplied for a warm water supply with a temperature of 60°C and a return temperature of 40°C, inlet temperature +20°C. It is not necessary to supply the air curtain with other heat exchangers. See conversion table for other water temperature supplies and example below.**

| T° Water °C | T°air | | |
|-------------|-------|-------|-------|
| | +15°C | +18°C | +20°C |
| 100/80 | 2.77 | 2.65 | 2.56 |
| 90/70 | 2.38 | 2.25 | 2.17 |
| 80/60 | 1.98 | 1.86 | 1.78 |
| 70/50 | 1.58 | 1.46 | 1.38 |
| 60/40 | 1.20 | 1.08 | 1.00 |
| 55/35 | 1.00 | 0.89 | 0.80 |

> Example

The Effect M 2000 P60/40 gives 20.8kW with an air inlet temperature of 20°C. If the system gives water temperatures of 90°/70°C then the factor is 2.17. The capacity will become 2.17x20.8 = 45.14kW.

