



SILVER Air Curtains

The SILVER Door Air Curtain features unique design matching most of modern interiors of various spaces. Highly efficient and quiet in operation, it is available in the lengths matching the typical door widths. The unit is used to control the inflow of outside air through the doors and other openings in buildings, like:

- shopping centres and supermarkets
- public buildings and offices
- hospitals and chemist shops
- hotels and banks
- warehouses
- restaurants and bars

The SILVER air curtain warms up the air which it draws from the space. It can also be used as a cold curtain, without warming the air. The unit is designed for use for entrance heights as follows:

- size 1 - up to 2,5 m
- size 2 - up to 3,0 m
- size 3 - up to 3,5 m

DESCRIPTION

PRODUCT DESCRIPTION

The air curtains incorporate:

- coated or painted steel sheet housing with slot along its length and plastic side walls
- water or electric heater
- one up to five double-suction centrifugal fans

The SILVER Air Curtain is available in three sizes and three lengths per size. Typically, the unit is mounted directly to the ceiling or by means of a support structure using four, six or eight threaded rods attached to the unit's housing. Wall mounting using support structure attached to the unit's back wall is also possible. Electric heater types incorporate overheating protection.

WORKING CONDITIONS

The water heaters are supplied with water with the temperature of 150°C or lower and the pressure of up to 1,5MPa. Electric heater units are supplied from 3x400VAC mains.

SILVER-1-105-W

DIMENSIONS



Parameters of fans in curtains

| | |
|-------------------|------|
| Number of fans | 2 |
| Voltage [V] | 230 |
| Motor power [kW] | 0,16 |
| Current [A] | 0,7 |
| Revolutions [rpm] | 1270 |

Air flow of the curtains with the water heater

| Air flow [m³/h] | | 1500 | | |
|--|-----------------------|------|----|-----|
| Thermal power [kW], outflow air temperature [oC] and resistance of water flow [kPa] | | | | |
| Water temp. [°C] | Inflow air temp. [°C] | kW | °C | kPa |
| 90/70 | 5 | 13,7 | 31 | 4,6 |
| | 10 | 12,5 | 34 | 3,8 |
| | 15 | 11,3 | 37 | 3,1 |
| 80/60 | 5 | 11,4 | 26 | 3,2 |
| | 10 | 10,3 | 29 | 2,6 |
| | 15 | 9,1 | 33 | 2,0 |
| 70/50 | 5 | 9,2 | 22 | 2,1 |
| | 10 | 8,1 | 25 | 1,6 |
| | 15 | 7,1 | 28 | 1,2 |

| | | | | |
|--------------|-----------|------------|-----------|------------|
| 60/40 | 5 | 7,1 | 18 | 1,2 |
| | 10 | 6,1 | 21 | 0,9 |
| | 15 | 5,1 | 25 | 0,8 |

| Operational noise level [dB(A)] | |
|--|-----------|
| From distance of 1m | 64 |
| From distance of 3m | 60 |
| Curtain weight | |
| Weight [kg] | 34 |