



## SFS

Design air curtain for revolving doors, with intelligent control

The SFS is an air curtain with many clever functions, specially designed for revolving doors. The air curtain is mounted vertically and its curved design integrates neatly with the door. SFS efficiently protects the exposed area just above the floor.

- Customised production based on the product key.
- Standard length is 2200 mm. Lengths up to 3 m can be ordered according to the product key (extension without fans). Extension hoods, for heights up to 4 m, are available as an accessory.
- The air curtain is mounted to the left of the revolving door. Air curtains for installation to the right can be specially ordered.
- Available in polished high gloss, polished or brushed stainless steel. Also available in powder coated steel, any RAL/NCS colour. Aluminium louvres. Colour intake grille: grey, RAL 7046.

### ⚡ Electrical heat - SFS E (IP20)

Type	Output steps [kW]	Airflow* <sup>1</sup> [m <sup>3</sup> /h]	Δt* <sup>4</sup> [°C]	Sound power* <sup>2</sup> [dB(A)]	Sound pressure* <sup>3</sup> [dB(A)]	Voltage [V] Amperage [A] (control)	Voltage [V] Amperage [A] (heat)	Height* <sup>7</sup> [mm]	Weight [kg]
SFS23E08* <sup>8</sup>	2,7/5,4/8,1	1150/2500	21/10	79	44/63	230V~/2,7	400V3~/11,7	2200	75
SFS30E12* <sup>8</sup>	3,9/7,8/12	1550/3300	23/11	80	45/64	230V~/3,7	400V3~/16,9	2200	80
SFS38E16* <sup>8</sup>	5,4/11/16	1700/3900	28/12	83	48/67	230V~/5,2	400V3~/23,4	2200	80
SFS56E23	7,8/15/23	2500/5900	28/12	85	49/69	230V~/7,8	400V3~/33,8	2200	90

### 💧 Water heat - SFS WL, coil for low water temperature (≤80 °C) (IP20)

Type	Output* <sup>5</sup> [kW]	Output* <sup>6</sup> [kW]	Airflow* <sup>1</sup> [m <sup>3</sup> /h]	Δt* <sup>4,5</sup> [°C]	Δt* <sup>4,6</sup> [°C]	Water volume [l]	Sound power* <sup>2</sup> [dB(A)]	Sound pressure* <sup>3</sup> [dB(A)]	Voltage [V]	Amperage [A]	Height* <sup>7</sup> [mm]	Weight [kg]
SFS23WL* <sup>8</sup>	14	24	1150/2400	21/17	36/29	3,0	79	44/63	230V~	2,6	2200	75
SFS30WL* <sup>8</sup>	21	35	1550/3250	24/18	40/32	4,4	80	46/64	230V~	3,6	2200	80
SFS38WL* <sup>8</sup>	23	38	1700/3700	23/18	39/30	4,4	83	48/67	230V~	4,9	2200	80
SFS56WL	29	49	2500/5600	21/15	35/26	4,4	84	49/68	230V~	7,3	2200	90

\*<sup>1</sup>) Lowest/highest airflow of totally 5 fan steps.

\*<sup>2</sup>) Sound power (L<sub>WA</sub>) measurements according to ISO 27327-2: 2014, Installation type E.

\*<sup>3</sup>) Sound pressure (L<sub>pA</sub>). Conditions: Distance to the unit 5 metres. Directional factor: 2. Equivalent absorption area: 200 m<sup>2</sup>. At lowest/highest airflow.

\*<sup>4</sup>) Δt = temperature rise of passing air at maximum heat output and lowest/highest airflow.

\*<sup>5</sup>) Applicable at water temperature 60/40 °C, air temperature, in +18 °C.

\*<sup>6</sup>) Applicable at water temperature 80/60 °C, air temperature, in +18 °C.

\*<sup>7</sup>) Standard height. Max. height 3000 mm (extension without fans).

\*<sup>8</sup>) Models in the series have different number of motors. In the production the motors will be mounted starting from the bottom of the unit, because it's most important to protect at the floor. Therefore it can be empty space above the motors, at the models that have a smaller number of motors.

Product key

Type - Connection position - Total height - Material / colour  
 Example: SFS30E12 - A - 2800 mm - P

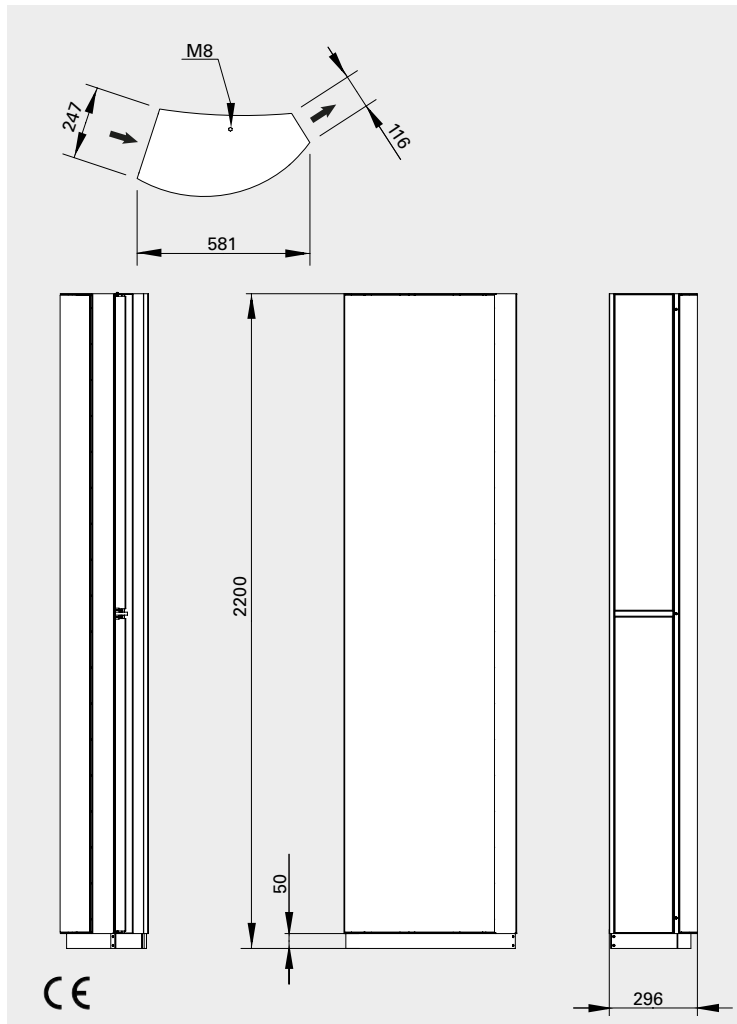
<b>Type</b>	See Technical specifications.
<b>Connection position</b>	A = from above B = from below
<b>Total height</b>	Min. height 2200 mm. Max height 3000 mm. Extension without fans.
<b>Material/colour</b>	P = Polished stainless steel B = Brushed stainless steel MP = Mirror polished stainless steel State RAL-code = Powder coating RAL State NCS-code = Powder coating NCS

Select air curtain

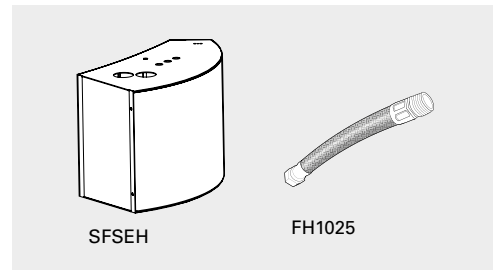
To select which air curtain to order, multiply the width with the height of the opening of the revolving door, to get the surface of the opening. To create comfort in the entrance area between 3,5 and 5 kW heating per square metre of opening, depending on the lowest outdoor temperature, is needed.

For mounting, connection, wiring diagrams and other technical information, please see the manual.

Dimensions



Accessories



SFSEH, extension hood  
 Extends the unit, adapting it to the installation. Height 100-1000 mm. Special order to required dimension.

FH1025, flexible hose  
 Flexible hose (DN25, 1" inside/outside thread) for easy connection to the pipe system.

Type	Description
SFSEH	Extension hood
FH1025	Flexible hose DN25, inside/outside thread, length 1 m

Control



SIRE Basic



SIRE Competent



SIRE Advanced

This air curtain is supplied prepared for the SIRE control system that has many smart and energy saving functions. There are three different levels with different functionality to choose from, Basic, Competent or Advanced. Water heated units must always be supplemented with valves.

For further information and options, see the "Controls" section.