

Thermo fan

SD-S



DESCRIPTION

The fan coil ventilators type **SD-S** are suitable for the cooling and heating of large rooms and halls (room sizes from 500 - 2,500 m³) at positive, human-comfort ambient temperatures. This is done by using cold or hot water supplied by the cooling unit, that is also used for fermentation control, for example. The units can be smoothly integrated in existing systems. The housing of the **SD-S** series is made of robust lacquered, galvanized steel for high material durability. The use of mostly non-oxidizing components combine to make a device designed to be used in damp surroundings like wine cellars, cooling rooms or store rooms.

OPTIONS / ACCESSORIES

In combination with a defrost-kit the units are suitable for a use in cold-rooms which are kept at low temperatures. Defrost kits are electric heating elements made of a set of thin metallic heating rods which are fitted into the suitable slots, and under the coil of the thermo fan. When using a defrost kit, it is required to use the controller type FermFlex-Defrost which controls both the solenoid-valve and the fan itself for cooling and the heating element for periodical defrosting.

CHARACTERISTICS

- Four models, with capacities from approx. 4,5 to 18,8 kW by human-comfort temperatures
- Aesthetic design; very low noise
- Robust construction: high resistance to thermal shock (high and low temperatures)
- Improved hygiene through rounded angles (no small corners where bacteria may settle)

Model	SD-S 35	SD-S 73	SD-S 110	SD-S 148
Capacity (kW) *	4,5 *	7,6 *	10,4 *	18,8 *
Room sizes up to (m ³) **	500 **	800 **	1.500 **	2.500 **
Air volume (m ³ /h)	1.420	2.530	3.800	5.070
Water inlet / outlet	3/4"	3/4"	1"	1"
Ventilator	230V/1Ph/50-60Hz 1.500 U/min			
Blow range (m)	14	15	18	21
Number of fans (Ø 300mm)	1	2	3	4
W max A max	1 x 70 1 x 0,32	2 x 70 2 x 0,32	3 x 70 3 x 0,32	4 x 70 4 x 0,32
Dimensions (mm): L W H	738 484 428	1.170 484 428	1.630 484 428	2.090 484 428
Weight (kg)	18	33	46	63

* Cooling capacity dependent on the ambient conditions

** Room size dependent on the room-isolation and location