

Thermo Fan

## MR



### DESCRIPTION

The thermo fans type **MR** are suitable for the cooling and heating of small rooms (room sizes from 50 to 500 m<sup>3</sup>) at positive ambient temperatures. The units are available in four different sizes, with performances from 1 to 4,1 kW.

The devices are perfectly adapted for the use with existent chillers and can be easily integrated into the system. The **MR** is characterized by its easy installation. The casing made of robust, recyclable plastic type ABS treated with acid-proof varnish, and the non-oxidizing components combine to make a device designed to be used in moist surroundings like wine cellars, cooling rooms or store rooms, as well as tasting rooms.

### CHARACTERISTICS

- Aesthetic design; very low-noise
- Robust construction: high resistance to thermal shocks (high and low temperatures)
- Improved hygiene through rounded angles (no small corners where bacteria may set-in)
- Casing completely dismountable to facilitate cleaning and maintenance work; all parts easily accessible: Heat exchanger, motor of the ventilator, connections, etc.
- Equipped with one or more ventilators (each Ø 200 mm).

Model	MR 75	MR 135	MR 210	MR 270
Capacity (kW) *	1,0 *	1,9 *	3,1 *	4,1 *
Room sizes up to (m <sup>3</sup> ) **	50 **	100 **	250 **	500 **
Air volume (m <sup>3</sup> /h)	290	580	870	1.160
Water inlet / outlet	3/8"	3/4"	3/4"	3/4"
Ventilator	230V/1Ph/50-60Hz 1.500 rpm			
Blow range (m)	3	3,5	4	4,5
Number of fans (Ø 200mm)	1	2	3	4
W max	1 x 38	2 x 38	3 x 38	4 x 38
A max	1 x 0,24	2 x 0,24	3 x 0,24	4 x 0,24
Dimensions (mm):	L	514	784	1.174
	W	438	438	438
	H	210	210	210
Weight (kg)	3	9,5	15	20

\* Cooling capacity dependent on the ambient conditions

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

Specifications subject to change.

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 m<sup>3</sup>) 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 <sup>3</sup> ) **	500 **	800 **	1.500 **	2.500 **
Air volume (m <sup>3</sup> /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

Thermo Fan

**TA**



## DESCRIPTION

The **TA** thermo-fans with the double-sided air-blow are suited to the cooling or heating of large rooms and halls. For the acclimatisation process, the **TA** are run with cold or warm water provided by a cooling unit. The cooling unit can be the one used for fermentation control. The **TA** thermo-fans can be easily integrated into the existing water system.

The **TA** thermo-fans series are equipped with low-noise high-efficiency ventilators. The number of ventilators in each **TA** model is determined by its size and capacity. The casing is made of recyclable ABS plastic, specially suited to the installation in damp environments with high water concentration in the air. The **TA** are fitted mostly with rust-proof components, rendering them suited for installation in wine-cellar, cold-rooms and storage halls.

## CHARACTERISTICS

- Double sided air blow - large blow range (13m to each side)
- Exceptionally low noise level
- Robust construction: high resistance to thermal shocks (high and low temperatures)
- Improved hygiene through rounded angles (no small corners where bacteria may set-in)
- Sturdy and corrosion-resistant unit, coils totally anti-corrosion treated, ABS casing and stainless steel screws
- Simple installation with easy access to the inside of the unit
- Hinged casing with removable grill for easy maintenance.

Specifications subject to change.

Model	TA-W-1L-1	TA-W-4L-2	TA-W-6L-3	TA-W-7L-4
Capacity (kW) *	3,44 *	7,77 *	11,68 *	16,02 *
Room sizes up to (m <sup>3</sup> ) **	300 **	750 **	1.500 **	2.200 **
Air volume (m <sup>3</sup> /h)	1.500	3.010	4.520	6.020
Water inlet / outlet	1"	1"	1"	1"
Ventilator	230V/1Ph/50-60Hz 1.250 rpm			
Blow range (two sides) (m)	2 x 13	2 x 13	2 x 13	2 x 13
Number of fans (Ø 350mm)	1	2	3	4
W max	1 x 100	2 x 105	3 x 107	4 x 105
A max	1 x 0,5	2 x 0,5	3 x 0,5	4 x 0,5
Dimensions (mm):	L	872	1.372	1.872
	W	819	819	819
	H	276	276	276
Weight (kg)	20	33	47	60

\* Cooling capacity dependent on the ambient conditions

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