AIRMASTER
DEHUMIDIFIERS

AMW

The problem

An indoor swimming pool is a source of tranquillity and relaxation and may not be a source of annoyance. However, due to the difference between the pool water and the ambient air, the relative humidity can increase to 95% and even more. This will cause fungus, discoloring and other inconveniences.

The solution

A professional dehumidifier that dehumidifies, heats and ventilates the ambient air sufficiently fast. The AIRMASTER works according to a cooling unit principle: a fan sucks in humid, warm air which is lead over a cold evaporator where the air is cooled to a temperature under the dew point. The moisture condenses and will be evacuated. The dried reheated air will be blown back in the room.

AMW through the wall model

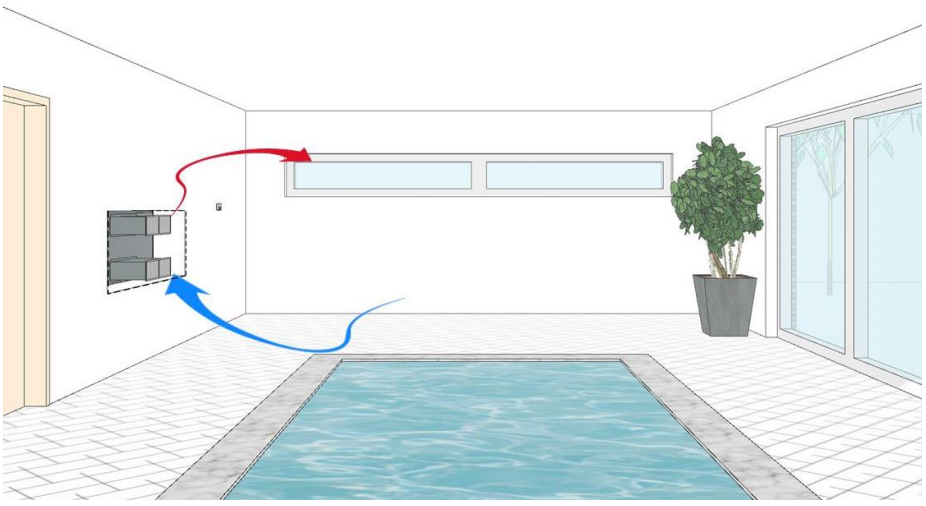
Galvanized plates, epoxy lacquer in RAL 7011 with aluminum grids. A curved dust filter in the suction. Optional L-console for vibration-free mounting against the wall.

AMW through the wall model for pool areas of 100 up to 230 m³.
Dehumidification capacity of 65 up to 140 l/24 h.
For boiler regimes 80°C IN/60°C UIT.

STANDARD
HORIZONTAL

OPTIONAL
VERTICAL

The unit itself is installed in an adjoining technical room. Inlet and outlet are ducted through the wall and only the aluminum grids of inlet and outlet are visible in the pool room.



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Options

According its size, each unit can be provided with several interchangeable options, which - like the basic unit – are adapted to the needs and wishes of the end user and in the first instance are meant to create an optimal life comfort.

- Hot water battery (B) with an optional built-in three-way valve
- Electrical heating (BE) control included
- Swimming pool condenser that will discharge excessive heat to the pool water
- Vertical execution
- Outdoor execution – horizontal and vertical

Accessories

- "All or nothing" control devices: hygrostat, hygrothermostat, remote display.
- Condensate pump

				Vac/ph/Hz = 400/3/50	-	100	140
				Vac/ph/Hz = 230/1/50	*65*	*92M*	*142M*
BASIC UNIT							
Dehumidification capacity *			gr/h	2791	3791	6000	
Nominal current	3 x 400 V		A/ph	-	3,3	4,1	
	1 x 230 V		*A*	*5*	*5,9*	*8,5*	
Air flow			m^3/h	650	940	1400	
Noise level			dB(A)(NR)	50(45)	52(48)	50(45)	
Dimensions	**H**	L	mm	1325	1325	1530	
		D	mm	341	341	341	
		H	mm	651	651	651	
	V	L	mm	996	996	1196	
		D	mm	341	341	341	
		H	mm	1021	1021	1071	
Weight			kg	104	109	134	
HOT WATER BATTERY B							
Nominal output **			kW	7	9	13	
ELECTRICAL HEATING BE							
Output			kW	3	3 / 6	6	
Inclusive control					Single-stage		
Nominal current	3 x 400 V		A/ph	-	4,33 / 8,8	8,8	
	1 x 230 V		*A*	*13*	*13 / 26*	*26*	
SWIMMING POOL CONDENSER C							
Output			kW	3,62	4,66	6,63	

* At 30 °C AT° and 70% RH ** At 80/60 °C WT° and 20 °C AT°

Under restriction of amendments

Minimum working range at 50% RH	10 °C
Maximum working range at 70% RH	34 °C
Control	24 VDC