AIRMASTER
DEHUMIDIFIERS

AMK+

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.

AMK+ duct unit

For an optimal comfort, an AMK duct unit is an absolute must.
Anodized, chamfered aluminum profiles and corners. Galvanized plates, epoxy lacquer in RAL 7011.

AMK+ duct unit for pool areas of 370 up to 600 m³.
Dehumidification capacity of 65 up to 280 l/24 h.

HORIZONTAL

VERTICAL

A duct unit is installed in a technical room, silent and invisible in the pool area, and consequently a dream for those who love aesthetics and design. The only visible elements are the grates – suction and outlet – that are integrated in the floor and the ceiling.

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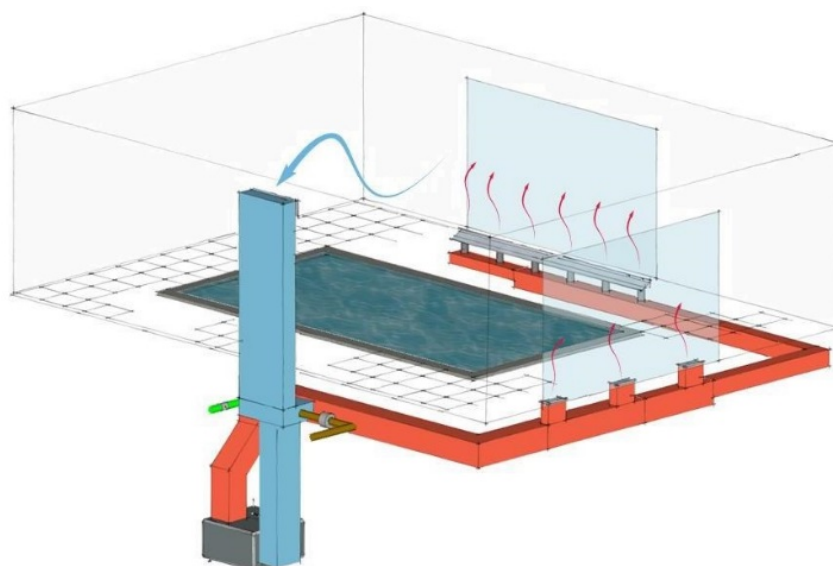
Options

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.

- LPHW – B4R or B8R – with built-in three-way valve
- Electrical heating BE inclusive control
- Swimming pool condenser that will discharge excessive heat to the pool water
- Outdoor execution – horizontal as well as vertical

Accessories

- "All or nothing" control devices: hygrostat, hygrothermostat, maximum duct thermostat or electronic regulators for T° and RH%.
- EC tube fan – including control and gravity valve – for extra fresh air and underpressure

	Vac/ph/Hz = 400/3/50		-	100	140	200	280
	Vac/ph/Hz = 230/1/50		65	102M	142M	202M	-
Air flow	2500 m³/h = .../25		•	•	•	•	
	3600 m³/h = .../36			•	•	•	•
BASIC UNIT							
Dehumidification capacity *		gr/h	2791	4041	6000	8791	11850
Nominal current	3 x 400 V	A/ph	-	3,3	4,1	7,3	9,1
	1 x 230 V	A	5	5,98	8,5	16,6	-
Maximum working range at 70% RH		°C			34 °C		
Minimum working range at 50% RH		°C	10	10	10	10	21
SWIMMING POOL CONDENSER C							
Output		kW	3,62	4,66	6,63	7,8	12

* At 30 °C AT° and 70% RH

Under restriction of amendments

				... /25	... /36	
Air flow			m³/h	2500	3600	
Available pressure			Pa	Max 540	Max 510	
					B4R/BE	B8R
Dimensions	H	L	mm	2200	2500	2670
		D	mm	900	1100	1330
		H	mm	860	860	1330
	V	L	mm	1200	1375	1320
		D	mm	900	1100	1150
		H	mm	1670	1670	2030
HOT WATER BATTERY B						
Nominal output B4R *			kW	35	50	
Nominal output B8R *¹			kW	30	43	
ELECTRICAL HEATING BE						
Output			kW	9 / 12	12	
Inclusive control			Stages	2	2	
Nominal current	3 x 400 V		A	13,2 / 19,8	19,8	

* At 80/60 °C WT° and 20 °C AT°   ** At 60/40 °C WT° and 20°C AT°