

## 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.

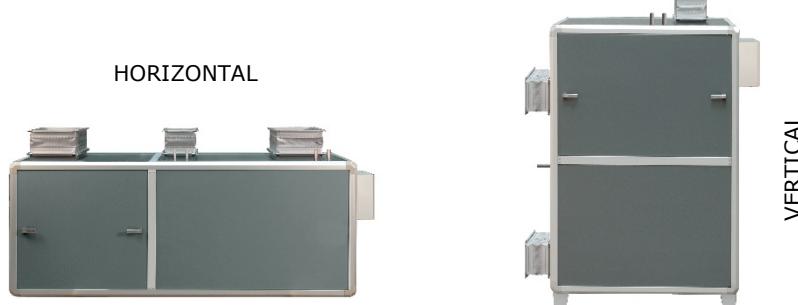
## AMK+ duct unit

For an optimal comfort, an AMK duct unit is an absolute must.

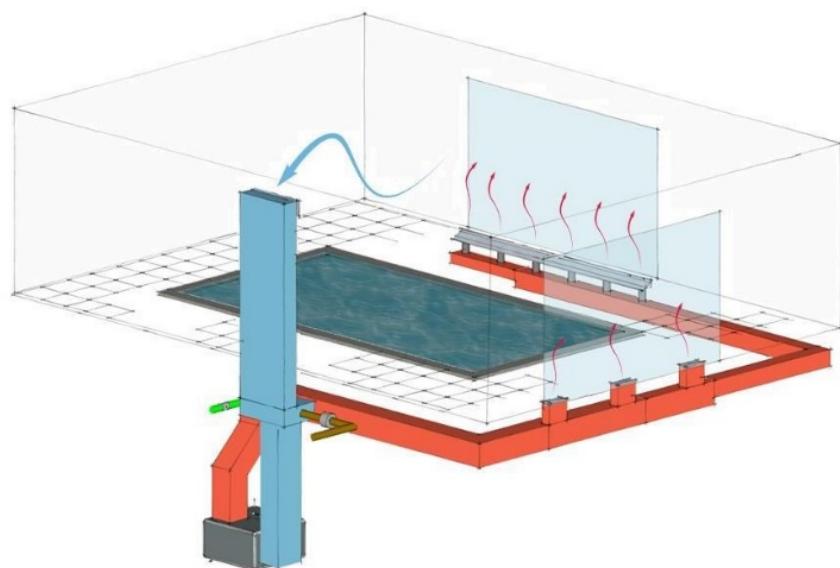
Anodized, chamfered aluminum profiles and corners. Galvanized plates, epoxy lacquer in RAL 7011.

AMK+ duct unit for pool areas of 370 up to 600 m<sup>3</sup>.

Dehumidification capacity of 65 up to 280 l/24 h.



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.



## 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 and vertical

## Accessories

- "All or nothing" control devices: hygrostat, hygrothermostat, remote display.
- EC tube fan – including control and gravity valve – for extra fresh air and underpressure
- Condensate pump

	Vac/ph/Hz = 400/3/50	-	100	140	200	280
	Vac/ph/Hz = 230/1/50	65	102M	142M	202M	-
Air flow	2500 m <sup>3</sup> /h = .../25	•	•	•	•	•
	3600 m <sup>3</sup> /h = .../36		•	•	•	•
<b>BASIC UNIT</b>						
Dehumidification capacity *	gr/h	2791	4041	6000	8791	11850
Nominal current	3 x 400 V	A/ph	-	3,3	4,1	7,3
	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
<b>SWIMMING POOL CONDENSER C</b>						
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	m <sup>3</sup> /h	2500	3600
Available pressure	Pa	Max 540	Max 510
Dimensions		B4R/BE	B8R
	L mm	2200	2500
H	D mm	900	1100
	H mm	860	860
	L mm	1200	1375
V	D mm	900	1100
	H mm	1670	1670
<b>HOT WATER BATTERY B</b>			
Nominal output B4R *	kW	35	50
Nominal output B8R **	kW	30	43
<b>ELECTRICAL HEATING BE</b>			
Output	kW	9 / 12	12
Inclusive control	Stages	2	2
Nominal current	3 x 400 V	A	13,2 / 19,8

\* At 80/60 °C WT° and 20 °C AT°

\*\* At 60/40 °C WT° and 20 °C AT°