

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.

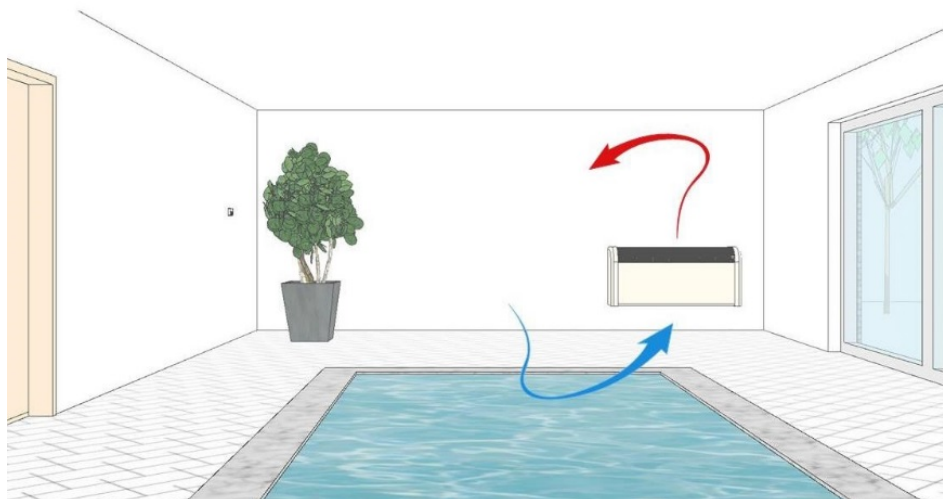
AMT Cabinet model

A combination of synthetic fiber and galvanized plate, epoxy lacquer in textured RAL9001 and provided with a curved anodized aluminum grid.

AMT cabinet model for pool areas from 65 up to 230 m³.
Dehumidification capacity of 40 up to 140 l/24 h.
For boiler regimes 80°C IN/60°C OUT.



An AMT cabinet model is installed in the pool room either on the floor or against a wall and is applied when there is no technical room available.



Options

According to 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

Accessories

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

		Vac/ph/Hz = 400/3/50	-	-	100	140
		Vac/ph/Hz = 230/1/50	40	65	92M	142M
BASIC UNIT						
Dehumidification capacity *		gr/h	1667	2791	3791	6000
Nominal current	3 x 400 V	A/ph	-	-	3,3	4,1
	1 x 230 V	A	3,4	5	5,9	8,5
Air flow		m ³ /h	400	650	940	1400
Noise level		dB(A)(NR)	50(45)	54(50)	54(48)	52(50)
Dimensions	L	mm	980	1305	1305	1505
	D	mm	310	350	350	350
	H	mm	570	680	680	680
Weight		kg	53	72	77	115
HOT WATER BATTERY B						
Nominal output **		kW	3,5	7	9	13
ELECTRICAL HEATING BE						
Output		kW	3	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	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