

Air Dryer Module

LTM



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- increases the ozone output of an ozone generator when the air is too moist

The ozone output of an ozone generator depends, among other things, on the humidity of the air: the more humid the air is, the worse the unit works. If the air is very humid, as frequently happens in aquarium basements, or if the ozone generator is too small, the performance can be increased by connecting the AquaCare **LTM** air dryer module upstream. The **LTM** is filled with drying beads and dehumidifies the air flowing through it. The module is designed to be airtight for maximum performance. A quick exchange of the material allows a quick maintenance.

Aqua-Care's 2...5 mm drying beads are made of silicon oxide (amorphous silica) and contain 17% moisture indicator (no cobalt blue!), which quickly indicates the condition of the beads. Once the drying performance has been exhausted, the pearls can be regenerated at least 10 times in the oven.

Technical data of the AquaCare Air Dryer Module **LTM 50 - 100**:

Type	LTM 50			LTM 100		
Order number	LTM50-40	LTM50-70	LTM50-100	LTM100-50	LTM100-70	LTM100-100
Diameter in mm	50			100		
Maximum size of the ozone unit in mg/h, approx.	30	60	90	150	230	350
Length in cm*	40	70	100	50	70	100
Necessary height in cm	+5					
Usable volume in litres	0.5	1.0	1.5	2.5	3.8	5.8
Footprint width × depth in cm	14 × 10					
Total weight with filling in kg	1.1	1.6	2.0	3.5	4.7	6.6
Erection	External, in the filter sump, with Hang-On bracket to the aquarium or filter basin, with wall brackets to a wall					
Materials	PMMA (Acrylic glass), NBR, silicone, PVC					
Connectors	1/4", 8 mm nozzle			PVC d20, 16 mm nozzle		
Basis model	Multi Function Filter MF ₂			PMMA Filter 100		
Substrate	AquaCare air dryer pearls H ₂ O-X-Globuli with indicator					

* For larger models or special designs please contact us.



Technical data of the AquaCare Air Dryer Module **LTM 150**:

Type	LTM 150					
Order number	LTM150-40	LTM150-70	LTM150-100			
Diameter in mm	150					
Maximum size of the ozone unit in mg/h, approx.	330	520	800			
Length in cm*	50	70	100			
Necessary height in cm	+5					
Usable volume in litres	5.5	8.7	13.4			
Footprint width × depth in cm	31 × 22					
Total weight with filling in kg	8	12	15			
Erection	External, in the filter sump, with Hang-On bracket to the aquarium or filter basin, with wall brackets to a wall					
Materials	PMMA (Acrylic glass), NBR, silicone, PVC					
Connectors	PVC d25, 25 mm nozzle					
Basis model	PMMA Filter 150					
Substrate	AquaCare air dryer pearls H ₂ O-X-Globuli with indicator					

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Drying pearls: H₂O-X-Globuli



The AquaCare drying agent increases the performance of e.g. ozone devices by drying the supplied air.

Application:

Only use the drying agent in airtight flow-through columns, e.g. in the AquaCare MF₂ multifunction filter or in the **LTM** air drying module. The air to be dried must pass through the drying column. If the blue indicator beads turn red over time, the drying agent can be regenerated again.

Regeneration:

Remove the exhausted drying agent, spread it on a large surface (e.g. baking tray) and dry it in the oven for 1...2 hours at 130...140°C. After drying, the drying agent should be cooled briefly and immediately stored in the drying column in an airtight place. Do not overheat: otherwise the indicator will be destroyed.

Technical data:

Order number	1 litre: 577-001
Material	Silicon oxide (amorphous silica)
Bulk density	0.75 kg / l
Percentage of indicator pearls	17%
Regeneration frequency	at least 10 times

