

# KWR



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## Lime Water Reactor



KWR 1500 with electronically adjusted pump

The AquaCare Lime Water Reactor KWR guarantees a safe supply of calcium for sea water aquaria. The pH of the aquarium water will be slightly raised and a too much of CO<sub>2</sub> is bounded. Additionally a little bit of phosphate is precipitated. The AquaCare Lime Water Reactor KWR has following advantages:

- Intensive mixing of calcium hydroxide powder with a very rigid pump – low running costs.
- Free water outlet for a safe operation – check valves or regulating valves are mounted in the inlet and cannot get chalk crusts.
- Continuous or batch operation possible.
- Sizes of all kinds of aquaria.
- Ideal in combination with automatic level control.
- As option: pH control – with this device it is possible to monitor the quality of the lime water.

## Technical data of the AquaCare Lime Water Reactor:

size	KWR 400	KWR 600	KWR 1000	KWR 1500
order number	340-040	340-060	340-100	340-150
max. tank size* in m <sup>3</sup>	25	70	200	450
diameter in mm	400	600	1000	1500
volume in litre, ca.	170	350	1000	2200
total height cm**	150	150	150	150
footprint size wide × depth, mm	550 × 900	700 × 1400	1100 × 1500	1600 × 2000
Max. continuous feed in l/h	18	42	120	270
Max. daily production in m <sup>3</sup>	0.4	1.0	2.9	6.5
Max. daily production in kg calcium at 25°C	0.3	0.7	1.9	4.4
materials	PVC-U, PVC transparent, NBR			PE, PVE-U, PMMA
connectors	d16, d20	d20, d25		
build in pump	Eheim 1262	BlueEco240	BlueEco320	BlueEco500
max. calcium hydroxide filling in kg	12	27	76	174
electrical connection	230 V, 50 Hz, 0.08 kW	230 V, 50 Hz 0.24 kW	230 V, 50 Hz 0.32 kW	230 V, 50 Hz 0.5 kW
Weight, empty in kg	50	135	350	500
delivery weight in kg	70	150	450	700
operation weight in kg	220	570	1200	2900
delivered calcium hydroxide	10	25	75	150
calcium concentration outlet	at 15°C: 720 mg/l; at 20°C: 690 mg/l; at 25°C: 670 mg/l			
pH value outlet	at 15°C: 12,8; at 20°C: 12,6; at 25°C: 12,5			
pH probe connector	for all probes with a diameter of 12 mm			

\* The aquarium size is calculated with a average evaporation (10 litres per m<sup>3</sup> and day) and a service life of 4 weeks.

\*\* special sizes are possible!

Attention: calcium hydroxide and its solution (lime water) is corrosive. At contact with skin, eyes or mucous membranes flush with lots of water and go to the doctor.