

# Phosphate-Minus-Reactor

## PMR



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PMR 1465

The AquaCare phosphate adsorber “phosphate- $X_{globuli}$ “ is binding slowly but very save phosphate and silicic acid. This material consists of a porous matrix linked with active adsorber molecules. The phosphate polluted water flows through the adsorber bed and is cleaned. If you change the material the bounded phosphate is taken out of the aquarium. No phosphate pool is established. This material releases any color. If the upper limit of phosphate is reached in the aquarium the Phosphate- $X_{globuli}$  have to be changed.

The filter consists of a rigid and pressure-resistant FRP bottle with a liner of PE. So the filter is absolutely sea water resistant. Water inlet and outlet is made with strainers of a filtration of 0.2 mm to prevent washing out of the material.

Smaller models are equipped with 2” closure, the larger ones with a 4” closure.

Filter up to 79” / 2000m diameter and volumes up to 5500 liters are available on request. For larger units you have take two or more filters parallel.

For a proper operation the incoming water should not have particles above 200  $\mu$ m. A flow meter for adjusting the correct water flow is useful.



phosphate- $X_{globuli}$

### Technical data of the AquaCare PMR-Reactor: 2” closure:

Size	FBR 0817	FBR 0835	FBR 0844	FBR 1035	FBR 1054	FBR 1354
Order number	345-0817	345-0835	345-0844	345-1035	345-1054	345-1354
Maximum aquaria size in m <sup>3</sup> *	5	11	14	17	26	44
Water inlet in m <sup>3</sup> /h	0.38...0.53	0.38...0.53	0.38...0.53	0.6...0.8	0.6...0.8	1.1...1.5
Diameter in inch	8	8	8	10	10	13
Diameter mm	203	203	203	245	245	330
Height in inch / cm	17 / 48	35 / 94	44 / 117	35 / 94	54 / 142	54 / 142
Volume in liter	8	18	24	28	43	74
Connectors	¾“ female thread					
Materials	FRP, PE, PP, NBR					

\* you can use smaller filters for larger aquaria: the material has to be changed more often.

### Technical data of the AquaCare PMR-Reactor: 4” closure:

Size	FBR1443	FBR1465	FBR2137	FBR2160	FBR2469	FBR3072	FBR3672
Order number	345-1443	345-1465	345-2137	345-2160	345-2469	345-3072	345-3672
Maximum aquaria size in m <sup>3</sup> *	41	60	73	133	193	305	437
Water inlet in m <sup>3</sup> /h	1.2...1.7	1.2...1.7	2.8...3.9	2.8...3.9	3.6...5.0	5.7...7.9	8.2...11.5
Diameter in inch	14	14	21	21	24	30	36
Diameter mm	356	356	533	533	610	762	914
Height in inch / cm	43 / 119	65 / 175	37 / 104	60 / 162	69 / 185	72 / 193	72 / 193
Volume in liter	69	100	121	221	321	507	728
Connectors	PVC connector d63 / DN50						
Materials	FRP, PE, PP, NBR						

\* you can use smaller filters for larger aquaria: the material has to be changed more often.

**For smaller aquaria the hobby sized models are available.**