Trickling Filter

TKF

AquaCare GmbH & Co. KG
Am Wiesenbusch 11 • D-45966 Gladbeck • Germany
☏ 0 20 43 - 37 57 58-0 • 🖷 0 20 43 – 37 57 58-90
www.aquacare.de • info@aquacare.de

AquaCare TKF 110-150 (special size)

The trickling filter system is one of the oldest filter technology. The water is flowing over trickling material and will be enriched with oxygen or too much carbon dioxide will be stripped. If the filter material is cleverly chosen it will not block and has a constant biological activity during operation. AquaCare uses a material made of PE with a high specific surface (500 m^2/m^3) and will not block under normal aquaristic conditions. The large models can be additionally aerated to raise the biological activity. The AquaCare TKF is useable as an de-aeration stage, too. The total height of the TKF must be a little bit lower than the outlet of the skimmer.

In the AquaCare trickling filter water flows fine dispersed over the trickling filter material.

The advantages of the TKF:

- high hydraulic load
- the total surface will be settled by micro-organisms
- inactive bio-films are flushed out automatically
- constant biological activity
- simple handling
- for PVC tubing and hoses
- nearly free of maintenance

Technical data of the AquaCare TKF:

Size	TKF 75	TKF 110-60	TKF 110-90	TKF 110-130
Order number	361-008	361-011	361-012	361-013
max. aquarium size, approx.	130	350	550	1400
max. water flow in l/h	400	1000		
Diameter in mm	75	110	110	110
Assembly	External or in the filter sump (please state with the order)			
Total height in cm*	45	55	85	125
Necessary space in cm*	47	57	87	127
Foot print size in mm	190 × 140	200 × 160		
Materials	PVC, ABS, NBR o-rings			
Connectors	20 mm PVC-Fittings, 16 mm hose nozzle			
Drain valve	no	EHEIM valve 12/16		
Forced aeration possible	no		yes	
Total weight in kg	2,5	3,5	3,7	4
Substrate (filter material)	PE material d16×20mm, black			

* special heights are possible!

For high efficiency systems e.g. aqua culture units, we can deliver TKF systems in technical size, too.