

Pumps for Aquaria



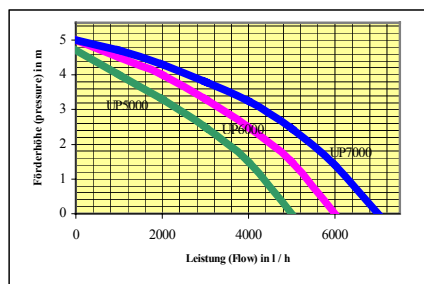
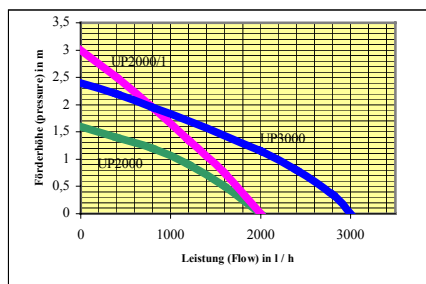
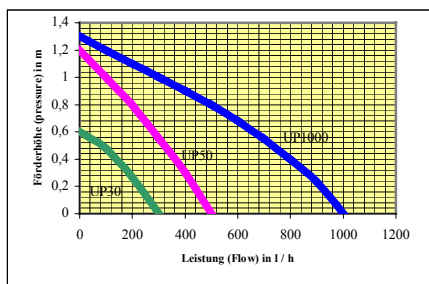
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„aquabee“ – submersed operation possible

Submersible magnet-coupled centrifugal pump with energy-saving synchronous motor;
(not suitable for conventional interval controls)



	UP300	UP500	UP1000	UP2000	UP2000/1	UP3000	UP5000	UP6000	UP7000
Order number of pump	FR305	FR505	FR1005	FR2000	FR2000/1	FR3000	FR5000	FR6000	FR7000
Maximum flow in l/h	300	500	1000	2000	2000	3000	5000	6000	7000
Maximum pressure in m	0,6	1,2	1,3	1,6	3,0	2,4	4,7	5,0	5,0
Electrical connection	230 V 50 Hz (other voltage, frequency and plug on request); 1,1 m cable with Schuko-plug								
Power consumption in W	4	5	10	18	38	45	75	100	125
Dimension without connectors L×W×H in mm	80 × 60 × 90			105 × 87 × 105			148 × 90 × 128		
Mass in kg	0,65			1,10			1,72		
Connectors	13 mm		16,8mm	20 mm or M23 × 1,5 female thread			27 mm or PVC d25		
Bearing: axis / sleeve	polished ceramics / PEEK			ceramics / ceramics					
Water touched materials	ABS (can be stucked together with PVC glue), silicone rubber, NBR rubber								
Scope of delivery	Strainer, angle 45°, mounting support with silicone feed, bracket, air injector			Strainer, mounting support with silicone feed, bracket			mounting support with silicone feed, adapter to PVC tube d25		
Order number of Tube connector d20/25	-			FR2000.21 (UP2000+3000) FR2000/1.21 (UP2000/1)			-		
Order number of spare rotor	FR 305.12	FR 505.12	FR 1005.12	FR 2000.13	FR 2001/1.13	FR 3000.13	FR 5000.13	FR 6000.13	FR 6000.13





Energy Saving Pumps for small Aquaria

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Energy saving pump series „e“ – submersed operation possible

Submersible magnet-coupled centrifugal pump with energy-saving technique and low voltage controller



Order number of pump	UP5000e	UP8000e	UP11000e
Maximum flow in l/h	5000	8000	11000
Maximum pressure in m	4.0	4.0	7.0
Electrical connection	110-240 V 50/60 Hz; electronical transformer with Schuko-plug		
Power consumption	30 W	50 W	130 W
Dimension without connectors L×W×H in mm	145 x 90 x 130	160 x 115 x 150	160 x 115 x 150
Mass in kg	2.0	3.3	3.3
Connectors	25 mm	40 mm	40 mm
Bearing: axis / sleeve	ceramics / ceramics		
Scope of delivery	Pump, controller, electronical transformer with cable		
Order number of spare rotor	FR5000e.14	FR8000e.14	FR11000e.14



Scope of delivery of UP5000e: pump, low voltage controller, transformer, connectors