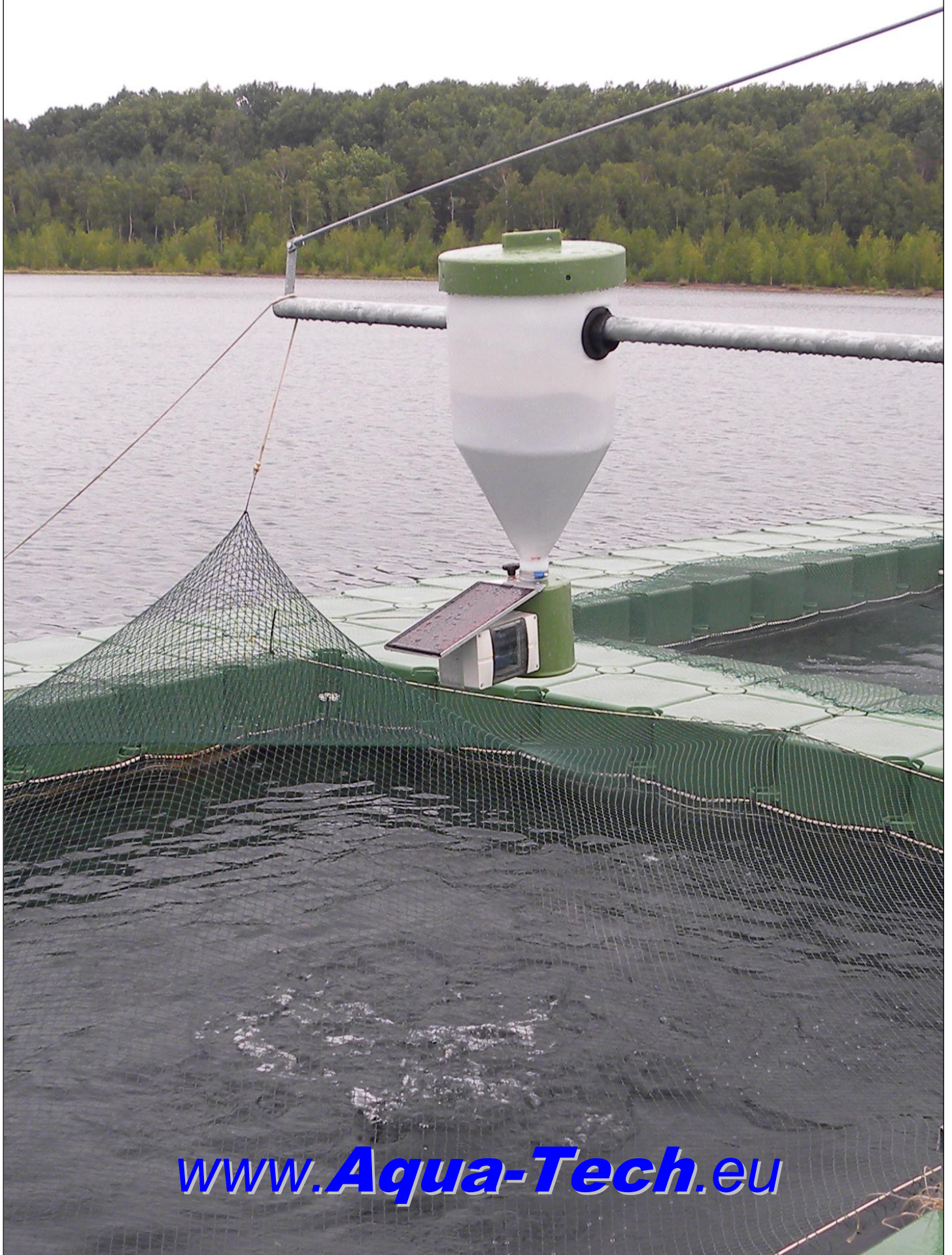


# ***Fish Feeders***



[www.Aqua-Tech.eu](http://www.Aqua-Tech.eu)

# ***Fish Feeders***

## **Overview**

Automatic feeders or feed dispensers for fish farming make feeding easier and can distribute the daily amount of food at least temporally, and some even spatially. According to their functional principle, these can be divided into pendulum feeders, clockwork feeders, blower feeders and spreader feeders, whereby the first two function without electrical energy but do not distribute the feed over a large area and the last two require electrical energy but can also distribute the feed over a large area.

Pendulum feeders have a pendulum rod underneath the food container that hangs (10-30 cm) into the water and which the fish have to hit so that food falls into the water. However, they are generally not recommended as they are usually only used by a few animals (not only fish but also waterfowl) and can increase the food quotient.

Clockwork feeders have a conveyor belt which, when pulled back, winds a mechanical clockwork (for up to 12 or 24 hours). The belt must be loaded with food daily, which is then continuously delivered. There are now also electrically operated endless belts, but these have no advantage as the feed still has to be refilled every day.

Blower feeders have a conveying mechanism and distribute the feed with compressed air up to 8 m. The blower feeders are suitable only for connection to the mains power network, as the energy required would be too large for a solar module.

Spreader feeders have a conveyor mechanism (disc, roller, spindle, finger) under the feed container that dispenses the feed accordingly, controlled by a timer. There are basically two systems: one only spreads the feed under the machine itself, the other distributes the feed (via a horizontal spreading plate or a vertical spreading wheel) through a sector spreader or round spreader (V- or O-shaped) with a throwing radius of up to up to 8 m. These automatic feed spreaders are operated with solar or battery power (direct current) or via a connection to an existing mains power network (alternating current).

Since feed costs often account for 40-60 % of production costs, special attention should be paid to feeding fish. A timely and areal distribution of fish feeds by automatic feeders can reduce feeding costs. The invention of automatic feeders for fish farming has a long tradition in Austria. For example, at least four different feeding systems have been developed and built: clockwork feeders (belt feeders), solar feeders (spread feeders), spindle feeders (battery feeders) and plankton feeders (freeze feeders).

We offer a complete range of automatic fish feeders, from simple pendulum feeders via clockwork feeders and blower feeders to electric feeders with or without a spreader and with or without a solar module, where the feeding times and pauses can be precisely set by a timer. Food containers (feed hoppers) with lids are available in sizes from 10-200 kg. Various holders (tube, ring or frame) as well as a swing arm for the hoppers are available as accessories.

**Quality for reasonable prices!**

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# ***Fish Feeders***

## **Selection**

### **Clockwork feeders**



for 3 kg/12-24 h (left)  
for 5 kg/12-24 h (right)

### **Spindle feeders**



without spreader and solar (left)  
with spreader and solar (right)



### **Solar feeders**



without spreader (left)  
with spreader (right)



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# ***Fish Feeders***

## **Selection**

### **Pendulum feeders**



with 20 kg hopper (left)  
with 40 kg hopper (right)



### **Electric feeders**



with 10 kg hopper (left)  
with 70 kg hopper (right)



### **Blower feeders**



with 20 kg hopper (left)  
with 60 kg hopper (right)



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# ***Fish Feeders***

## **Options**

Feed hoppers



10 kg



20 kg



40 kg



60 kg



50 kg



70 kg



120 kg



200 kg

Consulting:

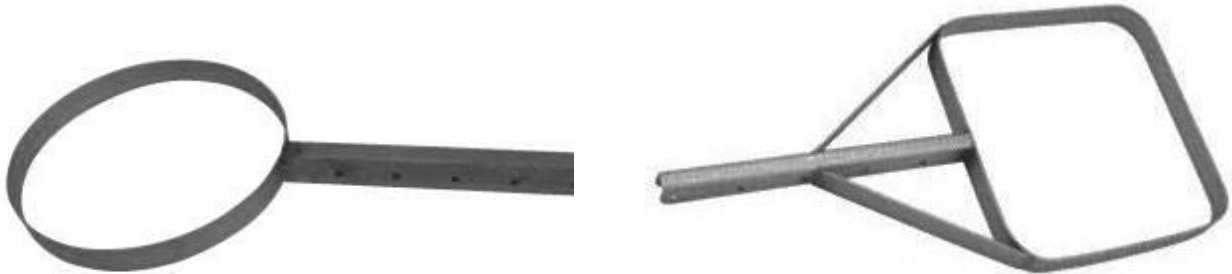
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# ***Fish Feeders***

## **Accessories**

### **Hopper holders**



Ring holder and frame holder



1,5 m long

Swing arm with stand tube

### **Others**



Control timer und solar module

**If questions, please contact:**

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# Fish Feeders

## Properties

Feeder	Spindle Feeders					Solar Feeders		
Type	DF-1	DF-2	DF-3	DF-4	DF-5	SF-2	SF-3	SF-4
Drive	battery					battery		
Electricity (V)	12 DC					12 DC		
Solar (PV)	optional					yes		
Mechanic	spindle					roller		
Dosing	variable					adjustable		
Control/Timer	yes					yes		
Spreader	no	optional				no	yes	
Pellets (mm)	1-5					1-6		1-12
Hopper (kg)	10	20	40	60	120	10-60		40-60
Holder	ears/eyes					accessory		
Options	transformer instead battery					transformer instead solar		

Feeder	Pendulum Feeders		Electric Feeders			Blower Feeders		
Type	PF-1	PF-2	AF-3	AF-4	AF-5	GF-6	GF-7	GF-8
Drive	animals		mains			mains		
Power (V)	-		12 DC	230 AC		230 AC		
Solar (PV)	no		optional	no		no		
Mechanic	pendulum		finger			finger		
Dosing (g/min)	adjustable		200	100	1000	100	1000	
Control/Timer	no		yes			yes		
Spreader/Blower	no		no			0,5 kW	0,5 kW	1,0 kW
Pellets (mm)	2-9	3-14	0-8		1-9	0-6	1-7	2-7
Hopper (kg)	10-60		5-60		10-70	10-70	10-70	50-200
Holder	accessory		accessory			plate	feet	rack
Options	non		adapter		non	non		

Hopper	Round Hoppers				Square Hoppers			
Size (kg)	10	20	40	60	50	70	120	200
Volume (litre) ca.	15	25	55	95	90	115	180	280
Height (cm)	42	46	70	85	65	80	74	96
Dimensions (cm)	32 Ø	38 Ø	48 Ø	58 Ø	56x58	56x58	70x70	74x74
Cover	turning lid				gliding lid		flapping lid	
Holder	ring or tube				frame		rack	
Options	swing arm				swing arm		non	

Made in the European Union!

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