

Aquatec Feeding System

An unique feeding system on the market that offers a high efficiency to a low running cost compared to similar feeding systems on the market.

Aquatec PC Management System (Standard or Pro)

Some of the key features in the PC based Aquatec Management System are the ability to control feed portions and feed types that goes into each fish tank. It also gives you the opportunity to mix feed types and make a feed profile which controls the time of the day you want to feed. This assures you to match the fish's appetite for optimal productivity 24/7.

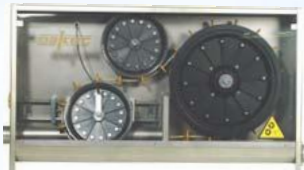
The communication is based on RS422 and CAN BUS system.

Aquatec is the only supplier of the software FAO - Feed Assistant Online for fish installed in the control unit for the Distribution System.

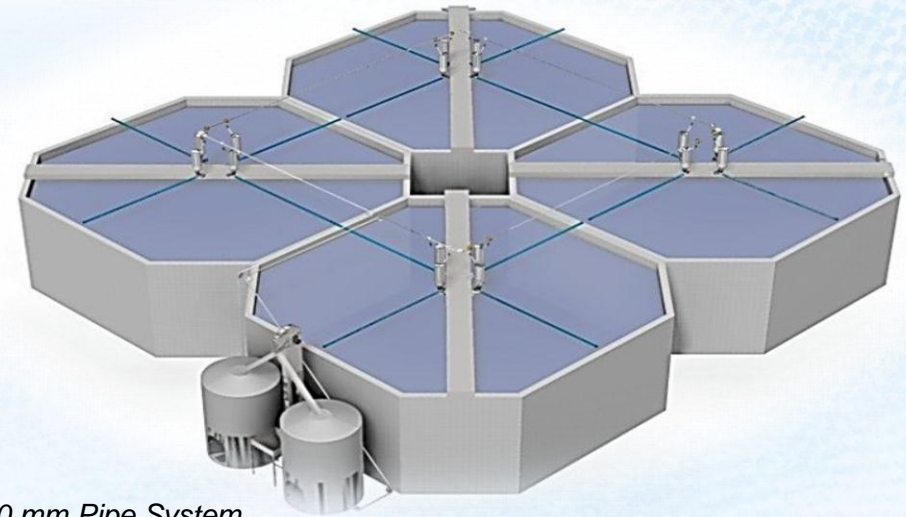
Distribution

Drive Unit

The powerful Drive Unit for the 60 mm Pipe System can distribute feed up to 250 m. By connecting several Drive Units you can distribute up to 650 m. The self-cleaning cabinet will automatically take out feed leftovers.



The Drive Unit is mounted with the patented drive wheel that provides a gentle power transmission to the feed distribution wire.



60 mm Pipe System

The distribution wire runs inside the pipe moving feed around. The feed transport pipes are being supported by every 3 m. It weighs 4 kg pr. m. There is a point load of 7 kg pr. valve. Pipes are made in galvanized steel or stainless steel.

Corners

The corners have bearings and a self-cleaning nylon wheel, which gives it a trouble free operation.



Multimix Fish Tank Feed valve

The electrically operated valve is operated from the Aquatec Management program and opens and closes by a swivel damper, driven by a built-in electrical motor. The Multimix valve uses a sensor to only allow feed when feed is needed in the hopper.

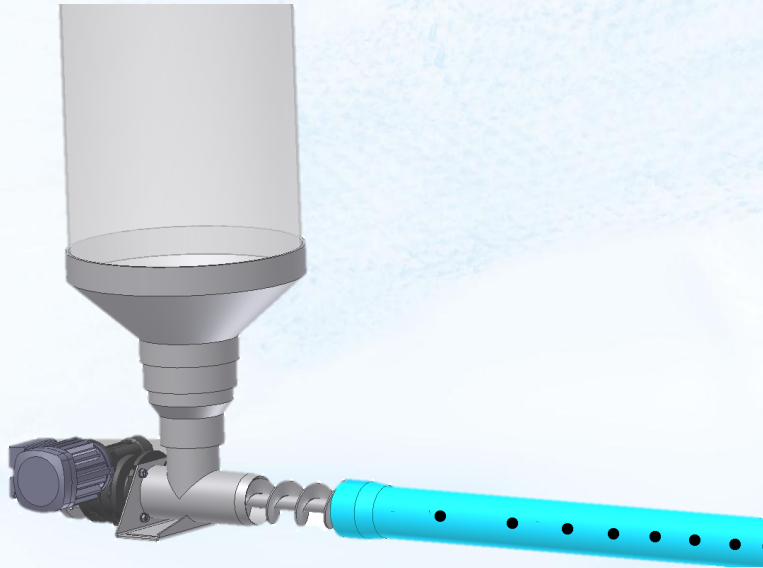


Dosing Auger

The Dosing Auger is designed for optimal use of feed that gives the highest growing- and feed conversion rate for most fish. Based on your feed profile the Dosing Auger will control the dosing time and interval from the PC based Aquatec Management System.

The hopper for feeding material is Ø200-400 / height of 1.0-1.2 m and made in transparent PVC.

The Dosing Auger is made after customer needs in dosing range, fish tank size and fish tank shape.



Feed Silos & Filling Station

Filling Station

With the Filling Station you can empty the big bag into a hopper (small silo). This can be equipped with a knife for cutting the big bag open. When the feed is in the hopper you select the Feed Silo that you want to fill.



This gives great flexibility in Feed Silo size and placing.

Feed Silos

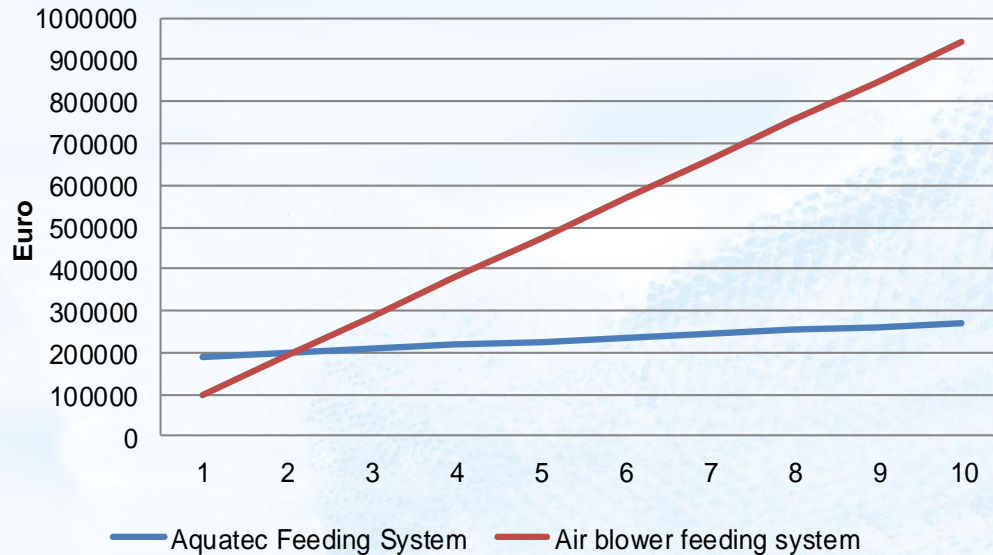
The most commonly used Feed Silos can contain 2,2 – 15 tons of feed. We supply Feed Silos depending on customer's needs in size and shape.

The Feed Silo can be equipped with knives which release the feed directly from the big bag into the Feed Silo.

Our Aquatec PC management system can handle up to 8 Feed Silos pr. Feeding System.

Our Feed Silos are made in galvanized steel.

LCC - Life Cycle Cost



Graph

LCC – Life Cycle Cost

The graph shows the total cost over years in investment, running cost and maintenance between an Aquatec Feeding System and an air blower feeding system.

These facts are calculated based on a fish farm with 40 fish tanks with a daily maximum of 100 kg of feed pr. fish tank.

Advantages

- 🌊 **Central control**
The Aquatec Management is a PC Based software. This controls feed portions, feed types and feed profiles.
- 🌊 **Low running costs**
Our feeding system uses 0,75 kW/h in average, where an air blower system uses 17 kW/h in average.
- 🌊 **Dust free operation**
Because of the high feed conversion the dust level is almost down to 0 this avoids mold growth and a bad work environment.
- 🌊 **Small portions of feed**
The system can dose portions of feed down to 10 g at any given time a day.
- 🌊 **Feed conversion**
The system transports the feed gently securing a minimal feed wastage. This saves money.
- 🌊 **Dosing range**
The feed is evenly spread over the fish tank. This avoids unnecessarily feed wastage.
- 🌊 **Maintenance**
The feeding system is very easy to maintain. A typically spare part package for 2 years costs less than 1000 Euro.
- 🌊 **Simple installation**
Our Feeding system is simple to install indoor as well as outdoor.



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