

Akvasmart CCS Feed System for Shrimp Farming



The floating Surface Spreader is tied off in each pond to give all the shrimp easy access to feed and that uneaten pellets end up in the feed trays. The spreading area is individually adjusted in each pond depending on air speed, pellet size and spreader nozzle angle (max 10-15m diameter). The ventilated Zenon bearing is designed for harsh environments, low maintenance and long lifespan.

Efficient and accurate feeding, blowing feed from central feed silos to each pond with excellent distribution

The computer controlled central feed system concept was invented by AKVA group in 1980 and Akvasmart CCS is today the most popular, efficient and reliable feed system worldwide. It is suitable for all shrimp species (using extruded or high quality pelleted feed).

The feed is stored in centrally located feed silos and an air blower transports the feed up to 750m through 90mm HDPE pipes to each pond, where the air driven Rotor Spreader distributes the feed over a large area.

The entire process is computer controlled using the user-friendly, but advanced, AKVAcontrol feed system software. The system can also be connected to oxygen and temperature sensors. All data are logged for later analysis and "best practice" benchmarking for feeding shrimp.

All systems and components are **FEED CARE OPTIMIZED** to prevent feed damage during transport.



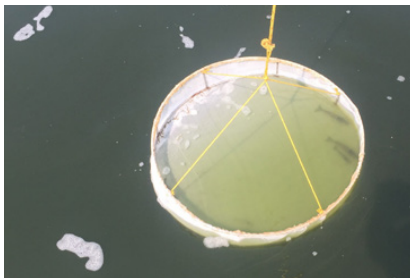
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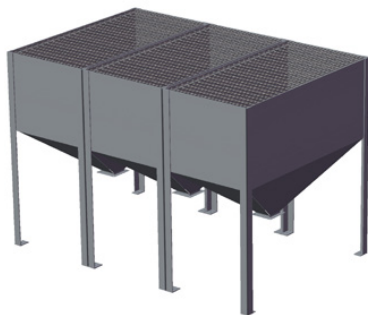
Shrimp farm in India with 80m ponds.



High quality pelleted shrimp feed.



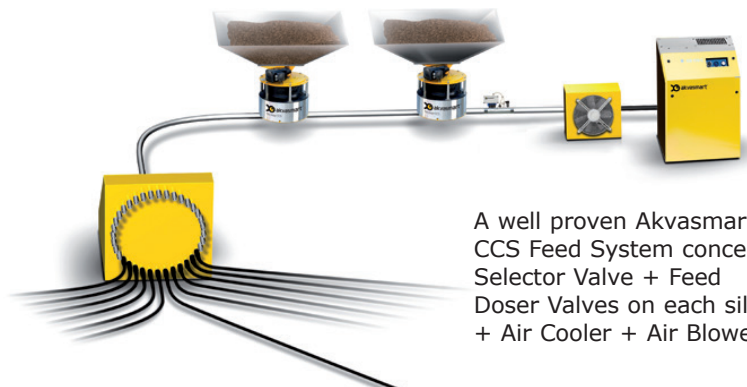
Uneaten feed from the feed system must still end up in the feeding trays.



Custom designed open-top aluminum feed silos for installation inside the feed storage shed. Capacity: 3 x 2,5 tons shrimp feed. Up to 8 silos can be installed in-line on each feed line.



Example shrimp farm layout with central feed silos, 550m 90mm HDPE feed pipes into 80-100m ponds. Note the counter rotating currents moving the feed towards to the access ramp with feed tray in each pond.



A well proven Akvasmart CCS Feed System concept: Selector Valve + Feed Doser Valves on each silo + Air Cooler + Air Blower.



Large bulk-feed silos can be installed outdoors and connected to the Akvasmart CCS Feed Systems.

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