



## Fish Hatcheries and Fish Farms: Finish Thompson Offers Complete Line of Pumps for Aquafarming Applications

According to the Food and Agriculture Organization (FAO), 49% of fish consumed worldwide is farmed. The FAO also reports that **aquaculture will provide 57% of global food fish consumption by 2030.**

To meet these increasing demands, aquafarms must implement reliable systems that protect their investments and produce quality results. At tank-based fish farms, the fish are particularly sensitive to stress. If optimal conditions are not carefully maintained, the stress results in disease and death.

To support healthy water conditions, two aspects are key: water treatment and water recirculation. Both require dependable pump solutions to ensure success.

### Water Treatment

"Aquafarmers must control their fish environments to mitigate the risk of disease and fungus," explains Pete Scantlebury, VP of Development for Finish Thompson. As Texas A&M Agrilife Extension Service notes, diseases on aquafarms "can trigger huge financial losses associated with state and federal quarantines." A&M reports that disease outbreaks and issues with osmoregulation are

typically caused by poor water quality, which can cause serious fish losses.

On the flip side, aquafarmers who implement reliable systems can establish a reputation for safety in the industry and enjoy a competitive advantage in the marketplace. This is accomplished with best practices in aquafarm management – which makes Finish Thompson the perfect partner for aquafarming professionals.

Scantlebury explains, "Aquafarmers use substances such as hydrogen peroxide and formaldehyde to kill parasites and keep their fish healthy. The concentrations of these products are very high (the peroxide you use at home is 2%; here it's 35%), so the farmers need heavy-duty pumps to handle these solutions. Finish Thompson drum pumps are ideal for handling these products, due to their durable construction, which is designed specifically for the transfer of acids, corrosives and water treatment chemicals."

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## Water Recirculation

The Southern Region Aquaculture Center notes that recirculating systems “use a fraction of the water required by ponds to produce similar yields.” They also require less land. What they require more of is reliable pumps to recirculate the water. Finish Thompson’s complete line of sealless pumps are perfect for this application.

“Aquafarmers are finding our mag-drive pumps can handle the large volumes they need for bigger tanks,” notes Will Weathers, Finish Thompson Regional Manager. “We offer pumps for a wide range of flow rates and tank sizes, so we’re a one-stop shop for fish farmers. This complete line of pumps is helpful in the aquafarming industry, where operators need separate tanks for fry, fingerlings and market-ready fish.”

## Leak Prevention

“The heavy-duty construction of our pumps also makes them great for withstanding harsh saltwater,” notes Weathers, “and their sealless design offers a huge advantage in these settings. Mechanically sealed pumps are susceptible to damage from the organic solids present in the tanks. These particles inevitably get caught in mechanically-sealed pumps, causing leaks.” Particularly challenging are shrimp and tilapia, which thrive in water that contains bio-flock. This environment can quickly cause pump seals to become clogged and fail.

Finish Thompson Inc. designs and manufactures pumps for the safe transfer of a wide variety of corrosive fluids. Products include sealless mag-drive centrifugal pumps with run-dry capability, mechanically sealed pumps, drum/barrel pumps, vertical mag-drive pumps, multi-stage pumps and the FTI Air line of air operated double diaphragm (AODD) pumps.

Operating in these settings, many mechanically sealed pumps must be replaced every three to four months. Weathers concludes, “Our sealless design does a better job of protecting farmers’ investments and reduces the cost of long-term ownership.”

### PF Series High Performance Drum Pump

- Designed for transfer of acids, corrosives and chemicals
- Multiple material options & connections
- Interchangeable with motors



### DB Series Mag Drive Pump

- No mechanical seals
- Leak-free operation
- Engineered for chemical applications
- No environmental emissions
- 5 year warranty - best in the business



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