



HyFlow™

Controlled feeding.
Less waste. Lower cost.

HyFlow is a waterborne feeding system that distributes pellets in a controlled way, both at the surface and underwater, improving cost efficiency by reducing feed loss and energy use.

Challenge

Feeding is one of the main cost drivers in aquaculture, accounting for up to 70% of OPEX. At the same time, pellet breakage and uneven distribution lead to losses, reduced water quality and variable growth. Air-based systems also require significant energy.

Solution

HyFlow transports pellets gently from silo to fish in a protective water stream. This reduces breakage and fines, while ensuring even distribution throughout the tank. The system supports both surface and underwater feeding, or a combination of both.

Results

Testing and operational experience show clear improvements. Feed loss can be reduced to 1–4%, and energy consumption can be up to 80% lower compared to traditional solutions. Results from Osland also show improved FCR and growth.

System overview

Pellets are mixed with water and dosed gravimetrically for accuracy. Moving at the same speed, a protective flow forms around the pellets, reducing stress and preventing degradation.

Stable operation

HyFlow is designed for reliable operation with few moving parts. This reduces wear, simplifies maintenance

Performance

- Gentle transport of pellets
- Feed loss reduced to 1–4%
- Up to 80% lower energy use
- Even distribution throughout the tank
- Flexible feeding, at the surface, underwater, or both

and minimizes deviations. The system is modular and easy to install and operate.

Integration with Njord

Connected to Njord, our digital platform, operators get real-time insight into feeding and fish behaviour. Feeding strategies can be adjusted based on oxygen, temperature and biomass, with full traceability and a solid basis for further optimisation.

Better control of feeding

HyFlow provides better control of feeding, reduces feed loss and helps ensure more cost-efficient and stable operation.

