

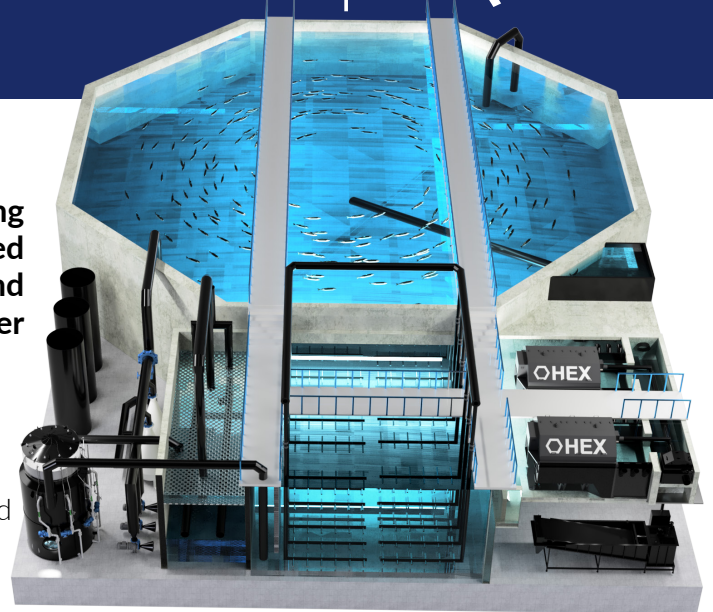


CM Aqua AQ Booster

Finetuning your water quality in RAS with a combination of ozone injection and protein skimming for saltwater or freshwater aquaculture

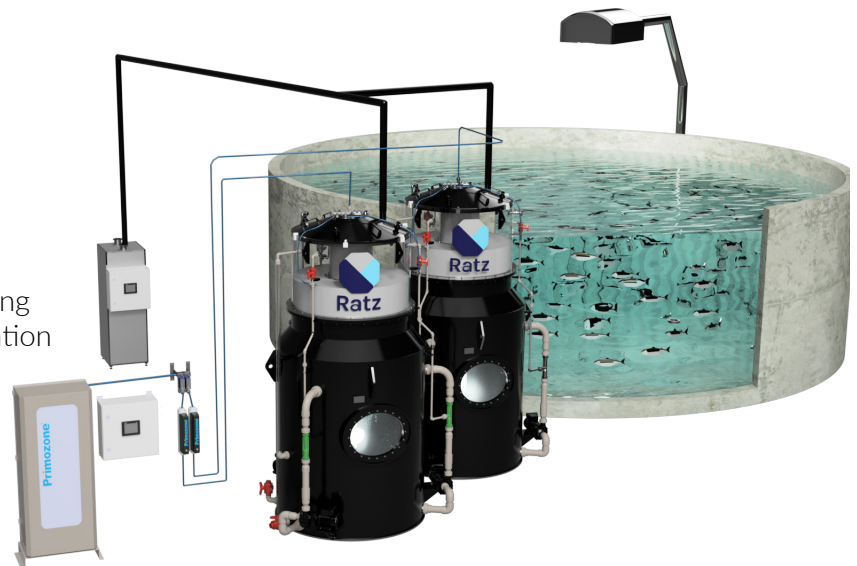
Fine-tuning your water quality in Recirculating Aquaculture Systems (RAS) can be achieved using a combination of ozone injection and protein skimming, applicable for both saltwater and freshwater aquaculture.

The CM Aqua AQ Booster provides a comprehensive package solution for local installation, which includes components specifically designed for ozone usage and distribution to Ratz Protein Skimmers.



Complete tailored package including

- Ratz Protein Skimmer
- Produced in Germany
- Primozone ozone generator
- Produced in Sweden
- Prepared Parts for ozone resistant piping and plumbing for safe injection installation
- Options for
 - Feed pump and pump control
 - Control level valves



This combination of ozone and protein skimmers in aquaculture enables the control of several key water parameters in RAS operations simultaneously.

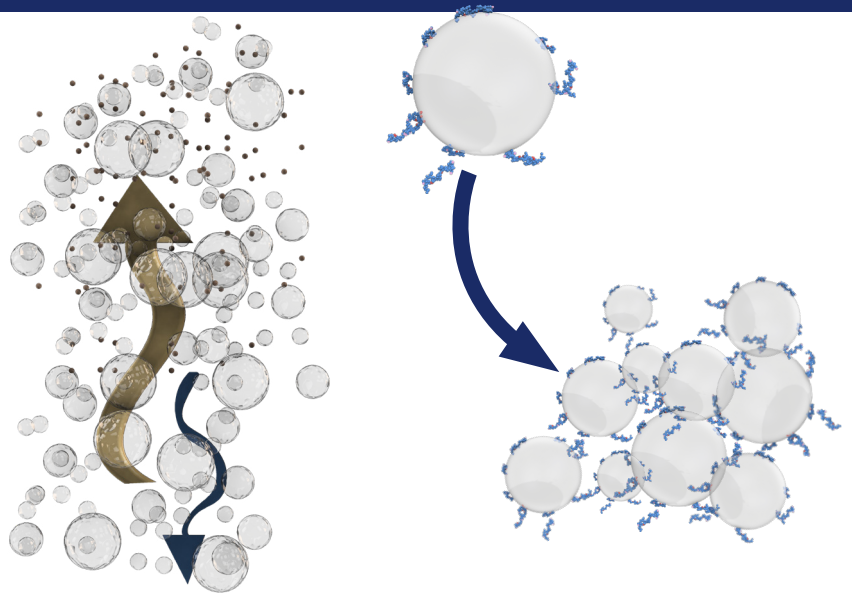
- Reduce fine particles and bacteria counts
- Get rid of dissolved organic matter and proteins
- Reduce foaming in your operation
- Clear water – improve turbidity
- Reduce of flavour build up in Grow-out operations



Ozone dosage down to 10 g/kg feed

The addition of ozone facilitates the partial oxidation of organic matter in the system, aiding in its adsorption on the interface of rising bubbles.

This process reduces the necessity for complete oxidation methods, which are typically required to oxidize all organics in the water.



System water into Ratz protein skimmer



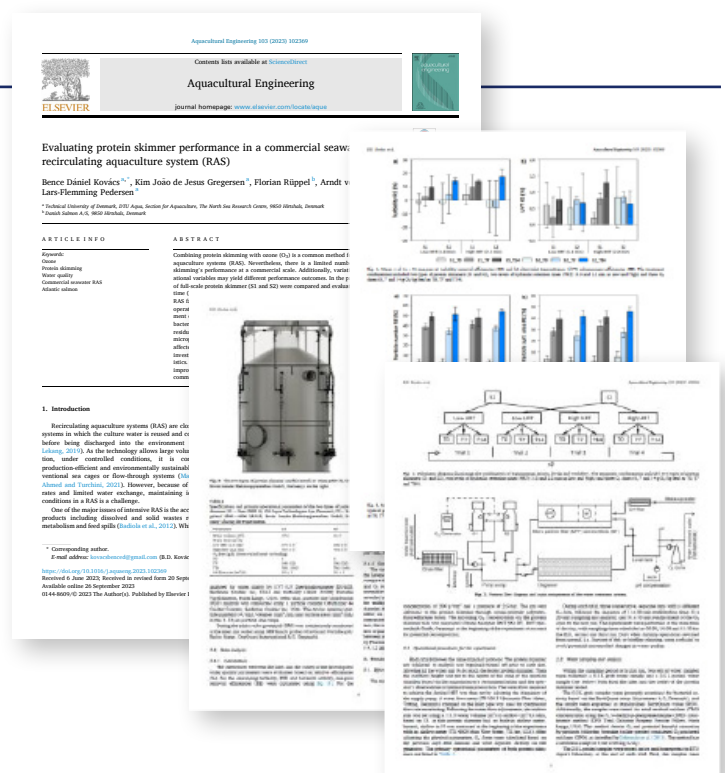
Upconcentrated foamate discharged

Extract organics from your water

To extract organics from your water, concentrate and remove dissolved organics from your system's water. This improves fish welfare, enhances biofiltration, and reduces oxygen consumption.

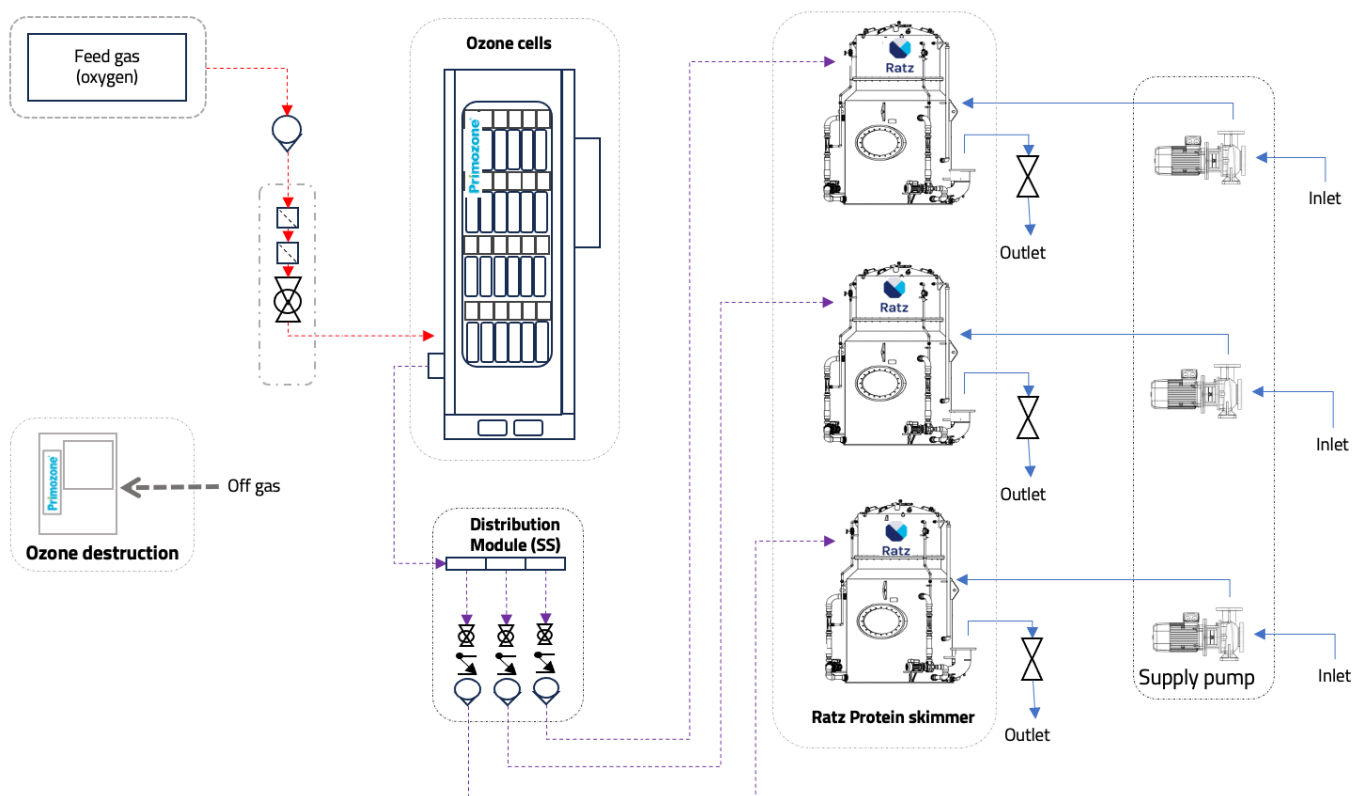
Well-documented performance by third parties, such as DTU Aqua, in a commercial Atlantic Salmon Grow Out operation.

Kovács, Bence Dániel, et al. "Evaluating protein skimmer performance in a commercial seawater recirculating aquaculture system (RAS)." *Aquacultural Engineering* 103 (2023): 102369.



The AQ Booster concept offers a complete solution with competent assistance

Integrating new technologies into existing operational facilities can be challenging. The AQ Booster is designed to address this challenge, offering a standard solution that includes important details that are often overlooked. Additionally, you will have the support of the CM Aqua team of biologists and engineers throughout the process.



For more information, please contact our sales offices in Denmark, Norway, or Germany.

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