



Water treatment for aquaculture

The success of fish farming is totally dependent on the water quality.

Securing good water conditions to allow for good fish health and high production yield, is therefore one of the most vital factors.

NP Innovation has invented and improved state of the art solutions for particle removal, CO₂ removal, and biofiltration in fish farming.

PARTICLE REMOVAL
Disc filter

The NP Discfilters in the 19 & 22 series, are the most optimized on the aquaculture market.

- Large filter area per sqm footprint which gives lower CAPEX on the construction and installation work.
- The filter technology has been adapted for aqua-culture criteria.
- Large filter area allows for better filtration and the use of finer filter cloth.
- Excellent for lifting out particles both gently and quickly, resulting in high concentrations of solids in the reject water.
- Moving backwash reduces the water consumption.
- Easy to access filter media for cleaning and maintenance purposes.



NP Disc filter F2210

PARTICLE REMOVAL
Drum filter

The NP Drumfilter is a mechanical, self-cleaning microscreen filter designed for high performance in water-treatment systems where it's essential to minimize particle break-up.

- High flow capacity.
- Designed for careful handling of solids which in combination with the special PL filter panel, ensures high filtration and no grinding effect.
- Moving backwash reduces water consumption and gives the best possible cleaning of the filter panels.



NP Drum filter F1636

CO₂ REMOVAL
Degasser SQ series

Our degasser program is based on our self-cleaning technology with supreme efficiency, both improving water quality and reducing investment costs.

- Efficient cascade solution with optimized fill media design to ensure the best conditions for CO₂ migration from water to air.
- Easy to disassemble for maintenance and disinfection.
- No moving parts ensure stable and undisturbed operation.
- Modular design and small footprint.
- Supplied either as a stand-alone unit or as build-in design for concrete chambers.



NP CO₂ SQ 10-C-T

NH₃ REMOVAL
DynaSand filter

DynaSand is widely used worldwide to clean and produce water for drinking, wastewater treatment and industrial processes.

Low head loss and power consumption makes the DynaSand filter ideal for use in aquaculture, in several applications:

- Microparticle and suspended solids removal.
- BOD reduction and nitrification (aerobic).
- Denitrification and biological phosphorus removal (anaerobic).
- Treatment of influent, effluent and RAS water.
- Supplied with tank in FRP or for installation directly in concrete chamber



DYNASAND



NP Innovation
– a company dedicated to
the development of
water treatment solutions for
aquaculture applications.



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