



AQUACULTURE

LEADING
WASTEWATER
SOLUTIONS



ALL
FOR
WATER

IN-EKO[®]
TEAM

Microscreen filters: ideal solution for aquaculture projects

Clean water is not important for people only, but for animals as well. The water in fish farms and KOI ponds must be filtered properly to ensure the best

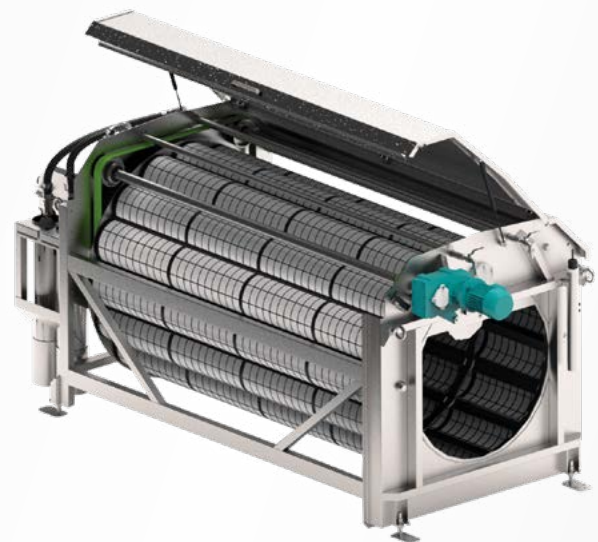
conditions for fish. We, IN-EKO TEAM, have a plenty of experience with the filtration of the water not only in fish farms and

KOI ponds, but also in ZOOs, where is necessary to filtrate the water for aquatic animals as well.

IN-EKO TEAM's Microscreen Drum and Disc filters offer the best solutions for **Recirculating aquaculture systems (RAS) as well as Flow through systems (FTS)**. These filters are designed for the removal of TSS, reduction of BOD, COD, phosphorus, parasites, algae and micropollutants. The innovative filtration technology ensures high effectiveness of filtration and **low consumption of power and backwash water**. This results in savings in the operational costs of the filter as well as in further sludge processing. It also leads to a faster return of investment costs.

Drum filter

- Filter cloth is available with mesh opening sizes ranging from 10 to 500 microns
- Filter capacity up to 300 l/s
- Installation variants into the concrete canal and self contained
- Possibility of integrated UV lamp on smaller self contained filters



Disc filter

- Filter cloth is available with mesh opening sizes ranging from 5 to 100 microns
- Filter capacity up to 1 300 l/s
- Large filtration area in small space
- Significantly lower backwash water consumption = more water for recirculation
- Installation variants into the concrete canal and self contained



The use certified and high quality materials guarantee long and reliable lifespan



Removal of TSS, algae and parasites



Options of stainless steel quality: AISI304, AISI316L, AISI316Ti, Duplex alloys

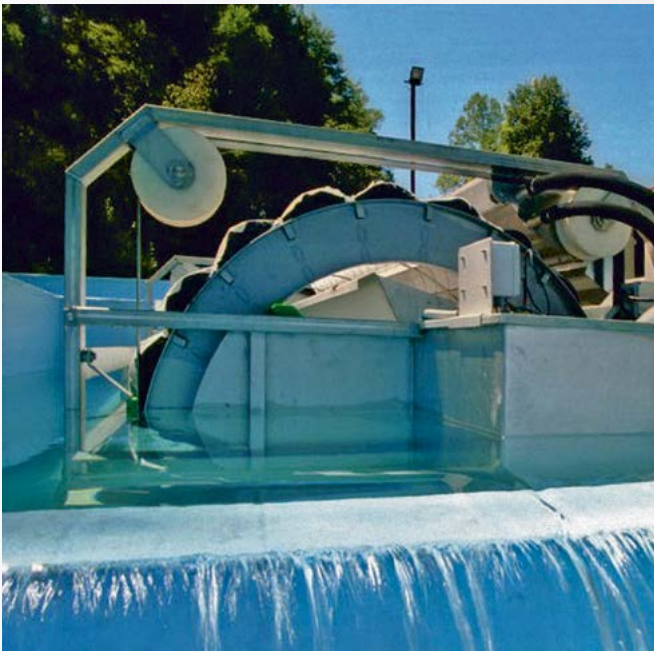
Applications



KOI ponds



ZOO's



Fish farms



Aquaponic system

Advantages of Drum filters

- Years of proven technology in aquaculture
- Fast cartridge replacement thanks to patented CLI-CLO segments
- Backwash nozzles prevent from clogging
- No parts require lubrication, eliminating the risk of water contamination
- Integrated sludge compartment with an optional sludge pump
- Possibility of integrating a medium pressure UV lamp with fully implemented program logic to balance the operation of the filter and UV lamp

Advantages of Disc filters

- Fast segment replacement thanks to patented fixing system and segment design
- No parts require lubrication, eliminating the risk of water contamination
- Integrated sludge compartment with an optional sludge pump
- Extremely low power and backwash water consumption compared to all competitors, resulting in operational cost savings
- Lower sludge production allows for more water for recirculation

References



Fishery Pohořelice, CZ

- Microscreen Drum filter
- type 5BMF_10_O, 5BMF_13_O
- 1 + 1 pcs
- Max. capacity: 7 l/s per 1 pc
- Filtration cloth: 20 µm
- Inflow solids load: 40 mg/l
- Location: Filtration of water in hatchery. Catching the leaks of eggs and small fishes



Fishery Hroby, CZ

- Microscreen Drum filter, type 4FBO
- 8 pcs
- Max. capacity: 60 l/s per 1 pc
- Filtration cloth: 35 µm
- Inflow solids load: 60 mg/l
- Location: Filtration of process water in RAS of Tilapia fishes and African sharptooth catfish.



Lagoons Banát, CZ

- Microscreen Drum filter
- type 2FBO
- 1 pc
- Max. capacity: 9 l/s per 1 pc
- Filtration cloth: 60 µm
- Inflow solids load: 25 mg/l
- Location: Filtration of pond water. The pond is intended for breeding Koi carp.

More information on our disc filters, microscreen drum filters and other units from our complete product line of pre-treatment and filtration of waste water can be found at www.in-eko.com.

You can contact us by phone, email or in person.