

**PRODUCTS
& SOLUTIONS**

ALL
FOR
WATER

IN-EKO[®]
TEAM

LEADING
WASTEWATER
SOLUTIONS

ABOUT IN-EKO TEAM

LEADING WASTEWATER SOLUTIONS

IN-EKO TEAM has been operating in the field of water and wastewater systems **since 1995** and is a **key player in microfiltration** on European markets.

Continuous process of **research & development and innovation** of our devices is ensured by our inhouse design department.

Our goal is to participate on **preserving clean water** as one of the most valuable resources on our „blue planet”.



H.Q. & production site in Tišnov, Czech Republic



WHY TO CHOOSE IN-EKO

EXPERTISE & EXPERIENCE

wastewater treatment expert
3000+ realizations worldwide
25 years of experience

TAILOR-MADE SOLUTIONS

individual approach
fast and flexible response
own design department

RELIABILITY & SUPPORT

quality materials and build
reliable & easy maintenance
comprehensive support

SERVICE & SUPPORT

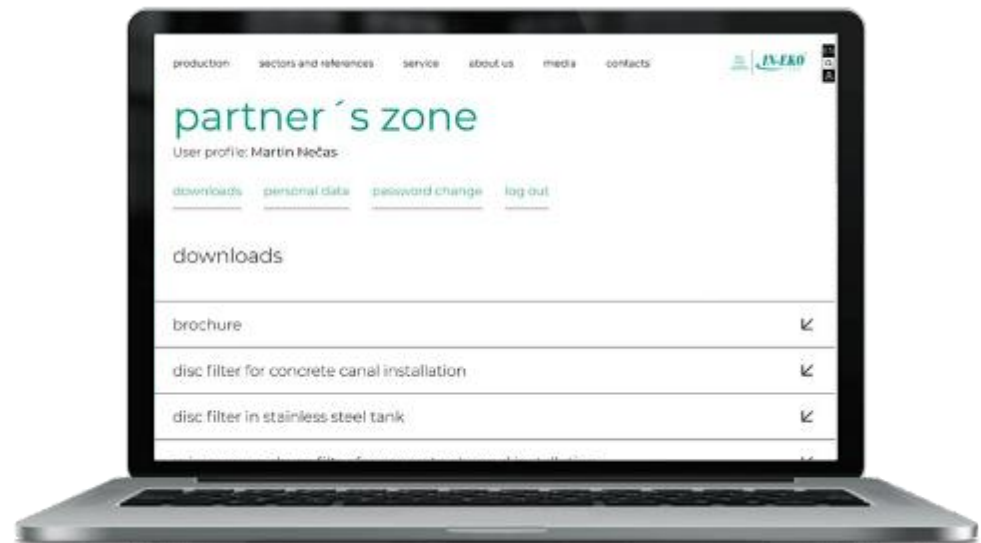
SERVICE



- Fast and flexible response
- Experienced professionals
- Regularly trained
- Using professional tools and techniques
- Only original IN-EKO spare parts

ON-LINE & OFF-LINE SUPPORT

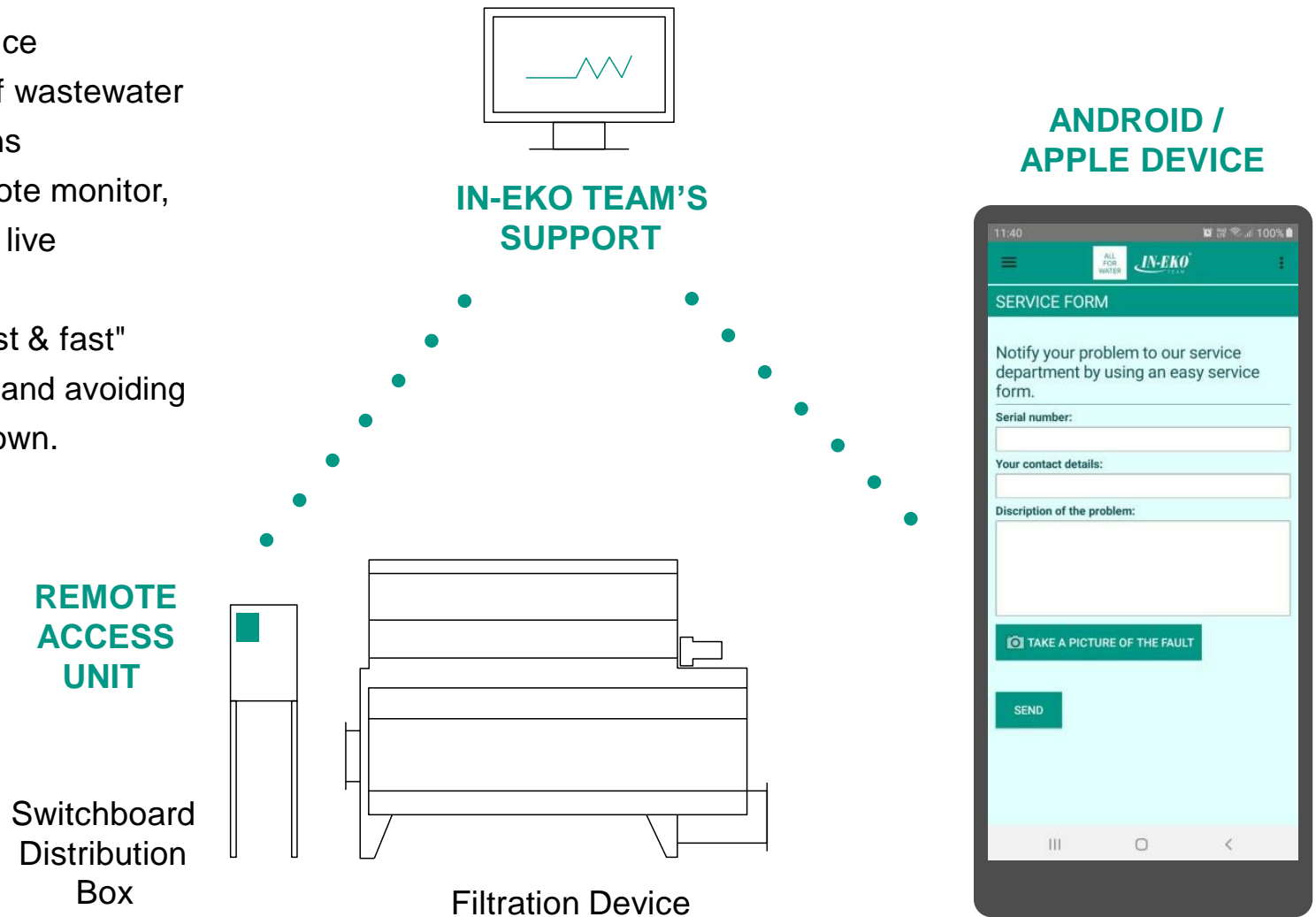
- Multi-channel on-line support
- Comprehensive „Partner zone” with technical drawings, data sheets, manuals, brochures, leaflets, videos...
- On-line technical trainings and tutorials
- Plus support with classical printed materials



SERVICE & SUPPORT

REMOTE ACCESS & MOBILE APP

- Remote monitoring of the device
- Visibility of the performance of wastewater treatment during the operations
- IN-EKO TEAM, using the remote monitor, can control, monitor and send live notifications.
- Our service team will offer "first & fast" support, saving cost and time and avoiding the functional operating shutdown.

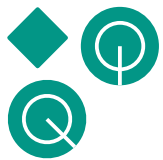


SOLUTIONS FOR SECTORS

As wastewater specialists we introduce and debate our solutions about industry's and municipal's most pressing issues: water treatment.

MUNICIPAL

Innovative solutions for wastewater treatment for cities their demands for efficiency.



**wastewater
treatment plants**



**pulp & paper
industry**



**fish
farms**

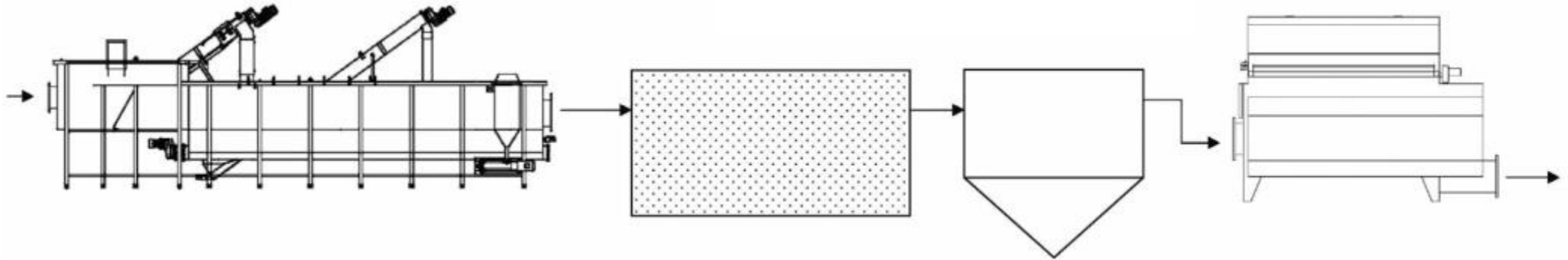


**other
industries**

INDUSTRIAL

Advise and support industry on their environmental problems and supply customized solutions that offer high technical added value and costs saving.

USE: WASTEWATER TREATMENT PLANTS



Integrated pre-treatment

Activation tank

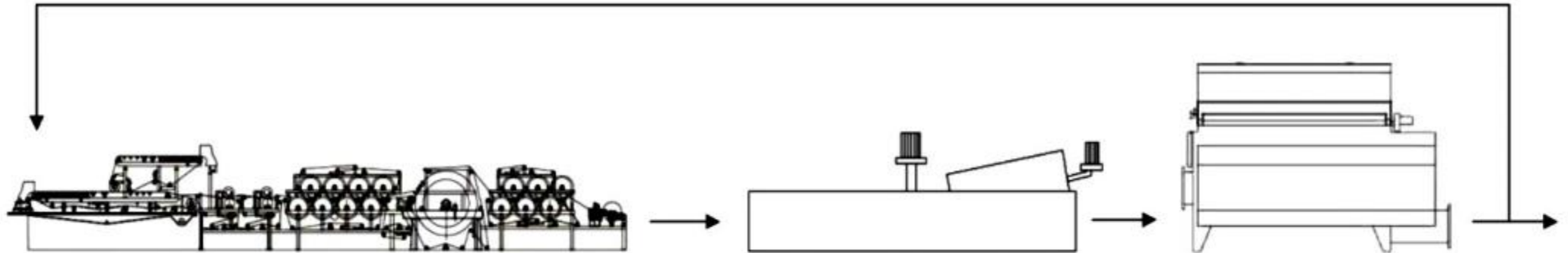
Secondary
settlement tank

Microfiltration

REALIZATIONS



USE: PULP & PAPER INDUSTRY



Paper production line

Dissolved Air Flotation

Microfiltration

REALIZATIONS



Germany, drum filters 4FBO

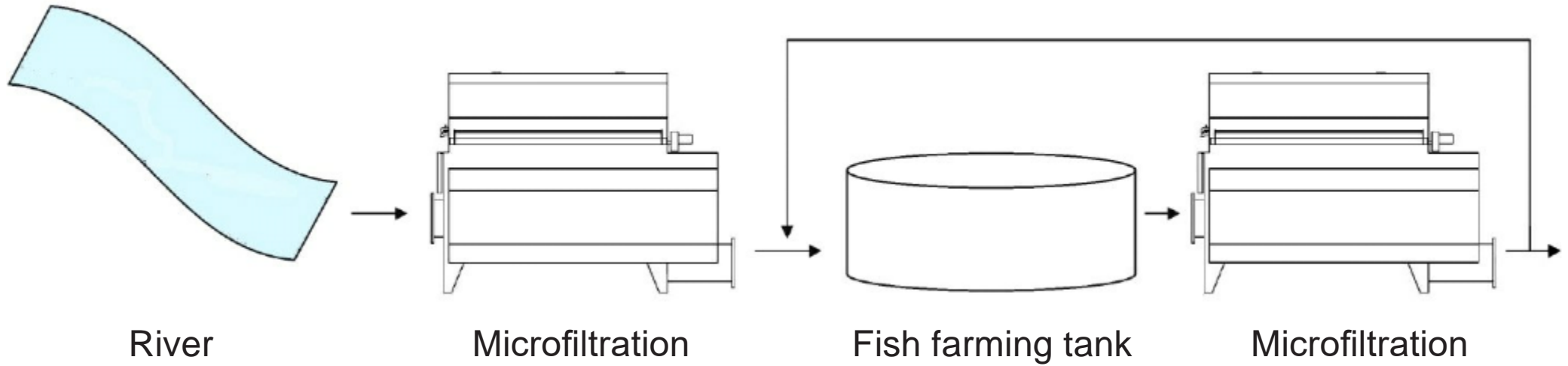


Hungary, drum filter 5FBO



Sweden, drum filter 5FBO

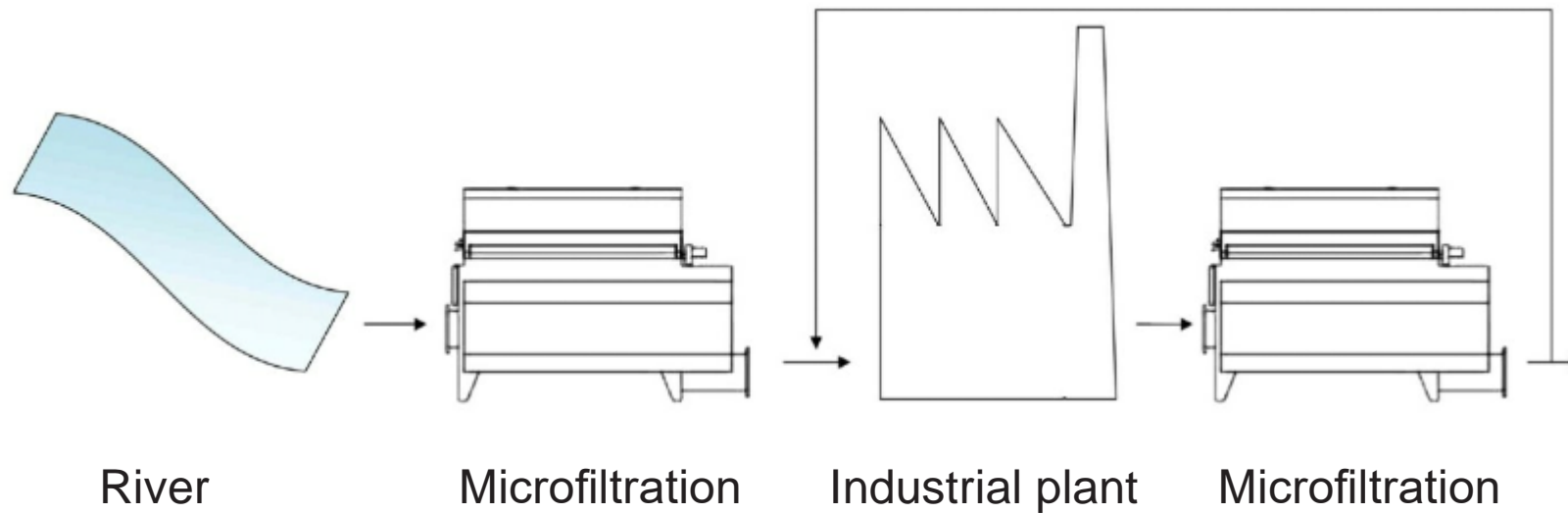
USE: FISH FARMS / AQUACULTURE



REALIZATIONS



USE: OTHER INDUSTRIES

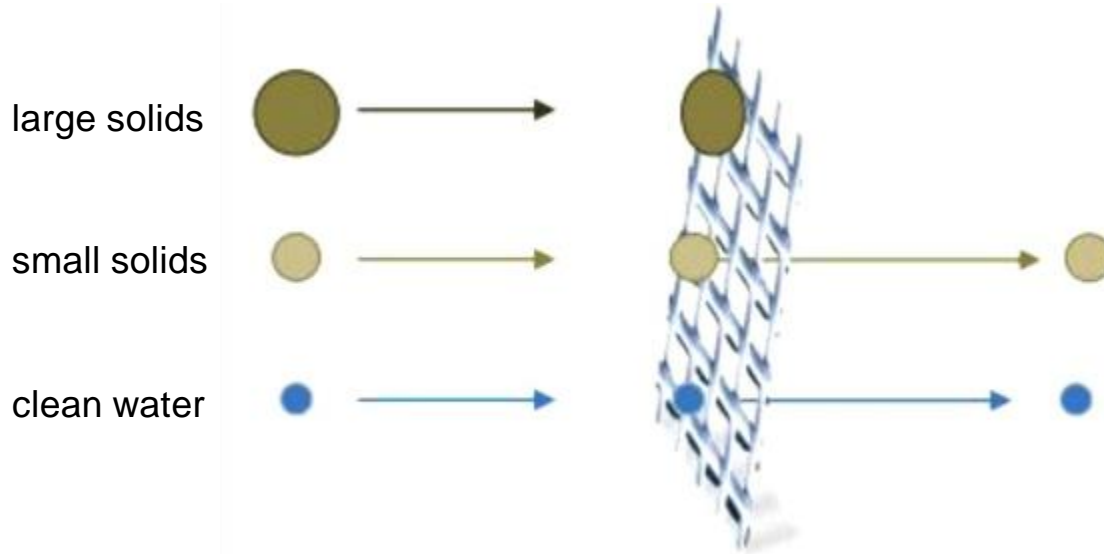


REALIZATIONS



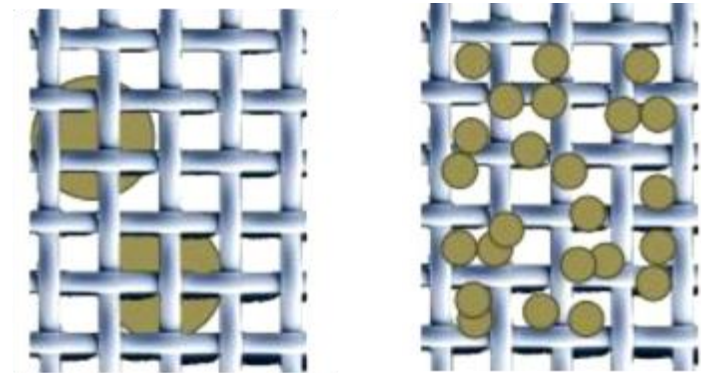
MICROFILTRATION PRINCIPLE

PRINCIPLE

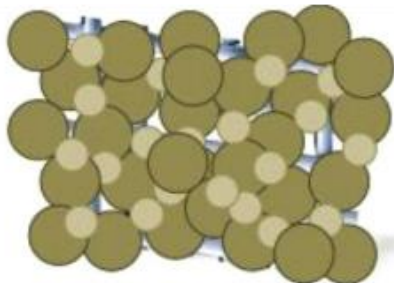


DIFFERENT SIZES OF SOLIDS

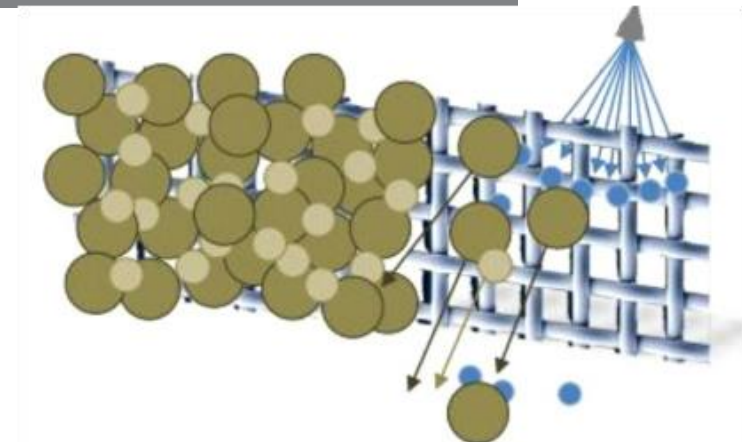
Comparison: Identical mass of suspended solids in water (mg/l) but of different sizes.



SECONDARY FILTER LAYER



FILTER CLOTH BACKWASH



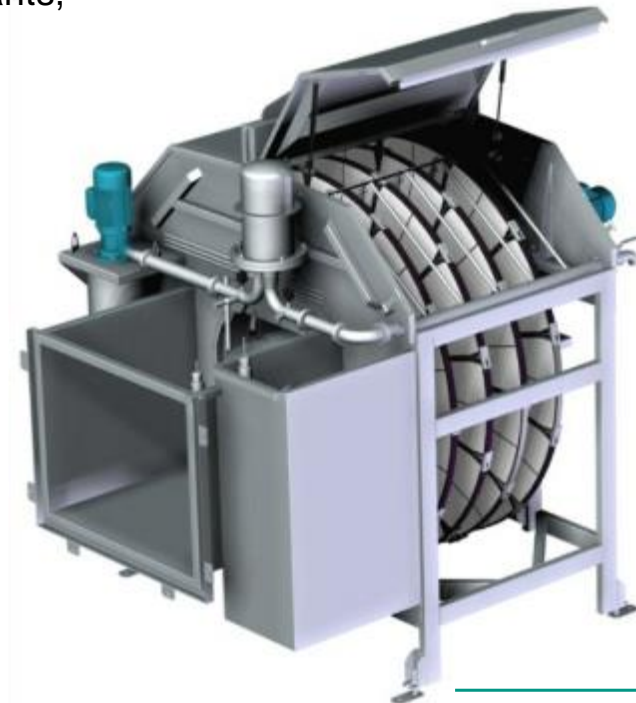
MICROFILTRATION DEVICES

- Ideal solution for wastewater treatment plants
- Other applications: paper industry, textile industry, power and heating plants, fish farms, ZOOs,...



DRUM FILTER

- filter cloth with mesh opening sizes ranging from 20 μm
- filtration capacity up to 300 l/s

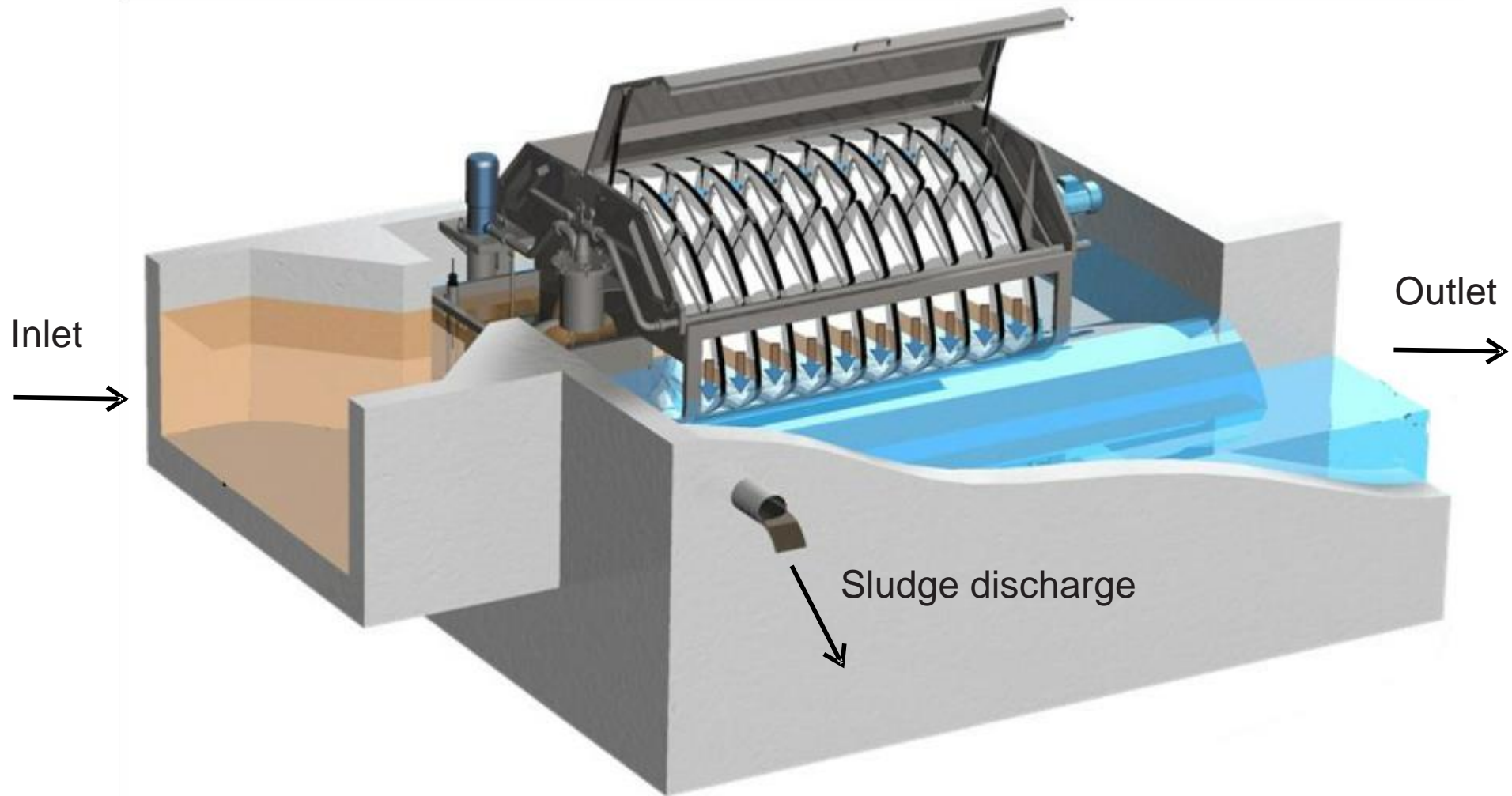


DISC FILTER

- filter cloth with mesh opening sizes ranging from 5 μm
- high filtration capacity up to 960 l/s
- large filtration area in small space

DISC FILTER

FUNCTION SCHEME



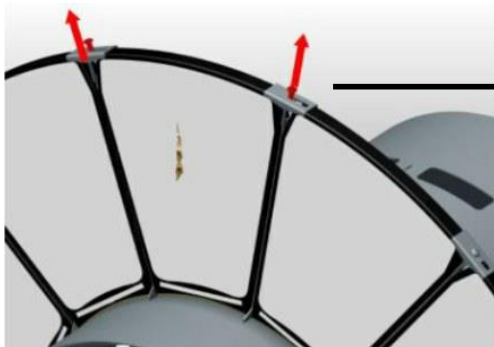
DISC FILTER

FILTRATION SEGMENTS

Benefits

- One entire piece of hollow frame segment, help to lift the shaft
- PES filtration cloth (possible SS)
- Easy change of segments saves maintenance time

Patented solution:
No fall of screws



BACKWASH NOZZLES

Benefits

- Made of stainless steel
- Long span life
- No need to be bought as spare part
- Easy to clean if clogged
- Patented design



DRUM FILTER

- The ideal solution for the final stage of purification for WWTP
- Possible application in industry, paper mills, fish farms, etc..
- Patented design solution
- Easy replacement of filter segments:
„CLI-CLO“ SYSTEM



DRUM FILTER

CHANGE OF SEGMENTS - „CLI-CLO” SYSTEM

- Patented solution – „CLI-CLO” SYSTEM
- No screws
- Saves maintenance time and cost for spares
- Integrated sealings



DEVICES FOR COARSE PRE-TREATMENT

BELT SCREEN

- Belt screens are intended for coarse pre-treatment of wastewater
- Vertical transport of screenings
- Dimensions according to the required output
- Removes solids of size up to 100 mm



DEVICES FOR FINE PRE-TREATMENT

- Wide range of screens and filters for fine pre-treatment of wastewater
- Suitable for WWTP and industrial applications
- Highly efficient removal of solids with openings 0,1 - 6 mm (depending on the type of device)



Vertical bar screen



Circular bar screen („Bug”)



Straight screw screen



Vertical screw screen



Drum screw filter

INTEGRATED PRE-TREATMENT

Integrated devices for wastewater filtration combining different filtration technologies

MZ_I, MZ_II

- Units with one or two conveyors for sand and sediments filtration.
- MZ_II can be equipped with aeration and grease



Multifunctional pre-treatment unit MZ_I

MZG

- Consists of sand and heavy sediment trap, screens, press for screenings and optionally aeration and grease removal.



Multifunctional pre-treatment unit MZG_CSP

DISSOLVED AIR FLOTATION UNIT

Physical flotation is a process enabling the removal of a larger quantity of undissolved solids from wastewater.

Benefits

- Cost-effective operation
- High reduction of pollution high quality of treated water and separated sludge
- Separation of hardly sedimentable particles
- Fully automatic operation

Expected reduction of pollutants

Parameter	Chemical-physical flotation
COD	55–80 %
BOD	55–80 %
TSS	80–95 %
Fats, oils	80–95 %



Circular flotation unit



Rectangular flotation unit

THANK YOU FOR YOUR TIME

CONTACT US

EUROTEC DEVELOPPEMENT S.A.S

Z.I Le Douarin – Guénin – 56150 BAUD FRANCE

Phone : +33 2 97 25 24 64

E-mail : contact@eurotec-dev.fr

Web : www.eurotecwater.com

eurotec
DÉVELOPPEMENT

WWW.IN-EKO.COM

IN-EKO APP
on Google Play & App Store

