

Product Catalog 2021

MossHydro is a Nordic manufacturer of patented automatic self-cleaning backwash filters. This filters is the most Robust choice in the market known, please see:

- Production in Sweden
- Duplex Pressure vessels
- Manage most sediment load in class
- Custom built for all applications

Standard applications is within:

Marine, Industry, Municipal water-works, Wastewater, Powerplants, Mining and Aqua culture.

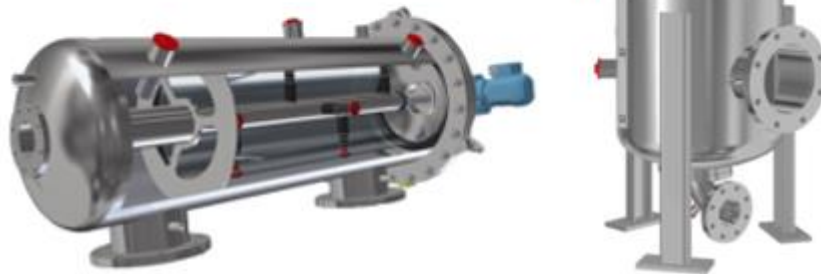
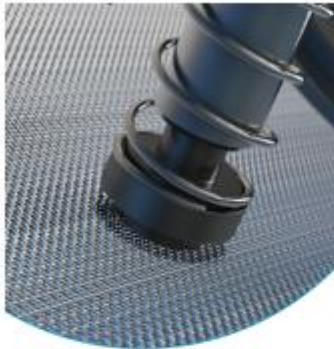
MossHydro filters can replace or be a complement to traditional filters as: Sand, Drum, Disc filters.

Common applications:

Pre and/or fine filter to raw water intake, heat exchangers, cooling towers, UV/UF/RO, Ballast, Scrubber, Flue gas, Reverse Osmosis applications.



Single screen filters



Selfcleaning mechanical backflush filter:

Developed for Marine/Aquaculture applications and harsh environments.

Model: MH - Single

Filter rate: 10 - 300 μm

Capacity: 10 - 5000 m³/h

Max pressure: 6,9 Bar (Optional 10 Bar)

Material: Duplex / Stainless steel 316L

- Flexible Inlet and Outlet

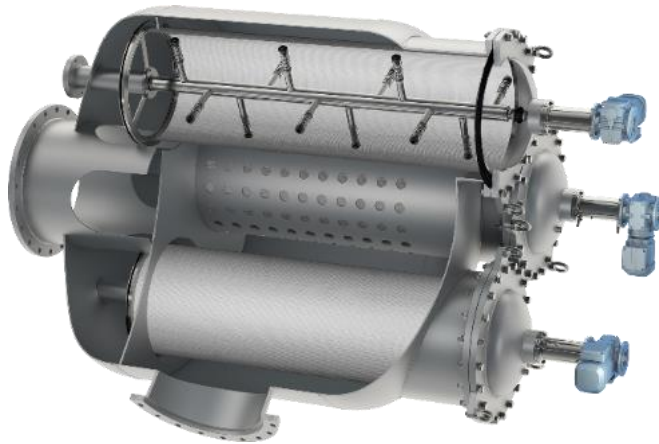
- Horizontal / Vertical

Flanges: DN 50 - 600

Option: EX/Atex

Keywords: Robust, Lifetime, Cleaning Performance, Sediment Handling

Multi screen filters



Selfcleaning mechanical backflush filter:

Developed for Marine/Aquaculture applications and harsh environments.

Model: MH - Multi

Filter rate: 10 - 300 μm

Capacity: 1000 - 10 000 m³/h

Max pressure: 6,9 Bar (Optional 10 Bar)

Material: Duplex / Stainless steel 316L

- Flexible Inlet and Outlet

- Horizontal / Vertical

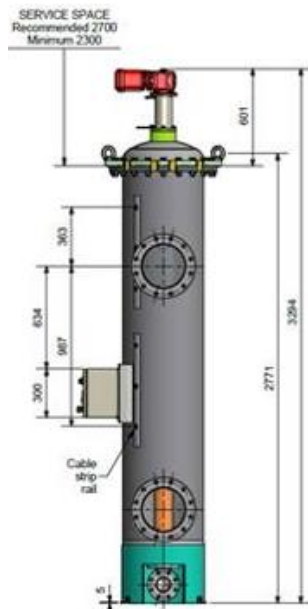
Flanges: DN 150 - 900

Option: EX/Atex

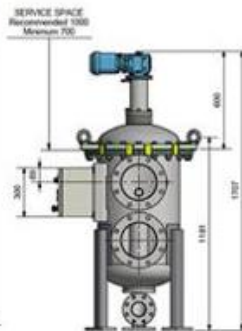
Key: High Capacity also with fine filtrations rates 10-50 μm

High Capacity “Compact” filters

**MH Filter
3000 m3h**



**HCF Filter
3000 m3h**



HCF Selfcleaning filters

This compact filters was originally developed for space saving marine and aquaculture applications with the use of pleated screen technology.

Model: HCF

Filter rate: 10 - 300 μm

Capacity: 100 - 7400 m3/h

Max pressure: 6,9 Bar (Optional 10 Bar)

Material: Duplex / Stainless steel 316L

- Flexible Inlet and Outlet

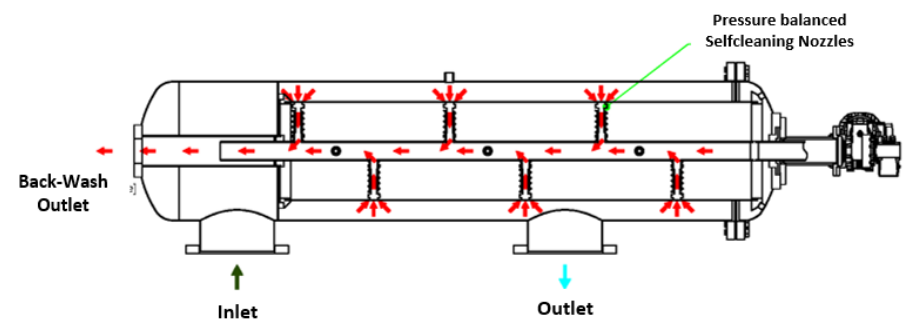
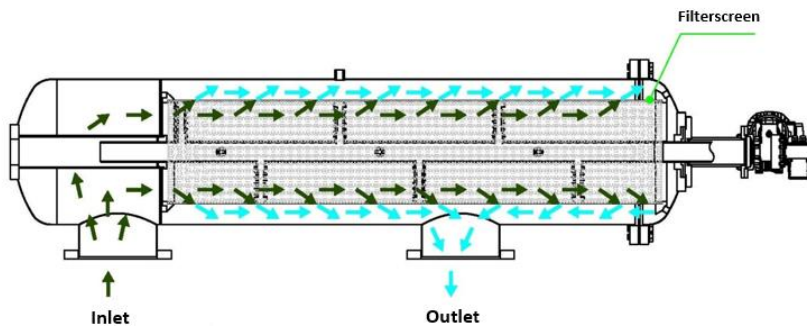
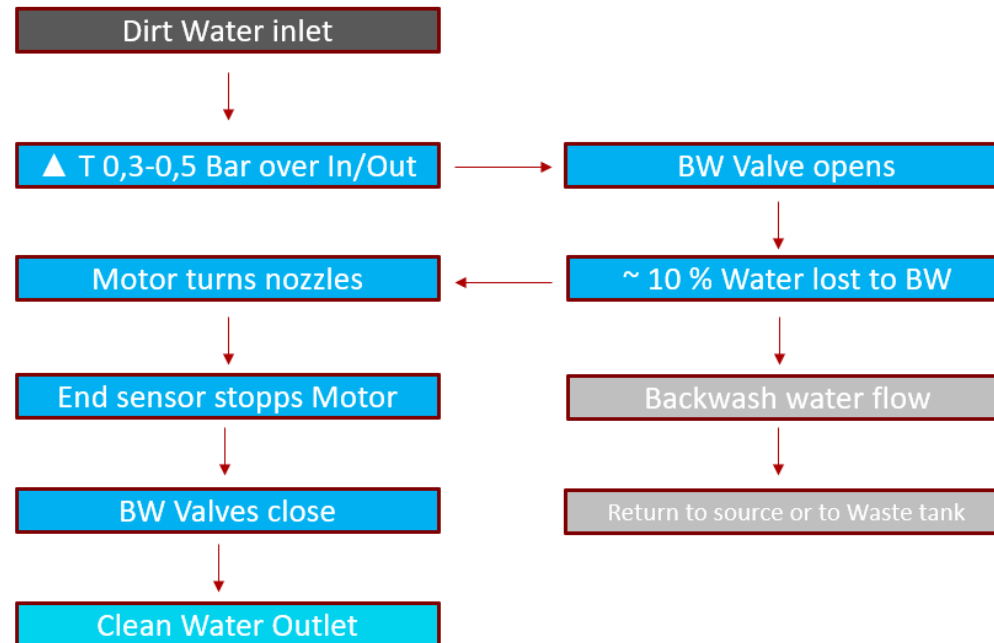
- Vertical

Flanges: DN 150 -900

Option: EX/Atex.

Key: Small footprint, very high capacity, are also available as multi screen filters

Flow diagram



MH Brush Filters



MH Brush filters

The brushfilter was developed as a Pre-seawater intake filter to remove larger debris as clams and seaweed.

Model: MH - Brush

Filter rate: 0,5 - 2 mm (Wedge wire)

Filter rate: 2- 10 mm (Perforated plate)

Capacity: 10 – 10 000 m³/h

Max pressure: 6,9 Bar (Optional 10 Bar)

Material: Duplex / Stainless steel 316L

- Flexible Inlet and Outlet

- Horizontal/Vertical

Flanges: DN 80 - 700

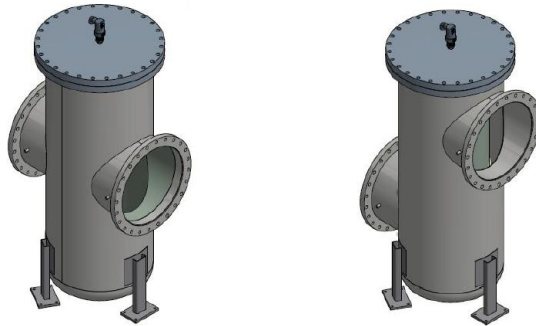
Option: EX/Atex.

MH Brush filters was originally developed for nuclear water intake systems

Strainers and Low Flow filters

MH Strainer filter for high flow application

Developed for Marine/Aquaculture environments.



Filter rate: Wedge wire 250-2000 μm

Option: Perforate plate 2 -10 mm

Flanges: DN200 – 1000 \varnothing

Capacity: 200 – 9000 m³/h

Work area: Coarse/Pre filter

Max Working Pressure: 10 Bar

Option:

- Manual or automatic Scrape or Brush equipment.
- Total evacuation valve.
- Electronic control for diff. pressure or time flush control.

RX Filter- Low Flow Filter

Automatic self-cleaning 10 - 80m³/h

Suitable for Fresh water applications.



Material: Body SS304 / Screen SS316

Filter rate: 50-800 μm

Max Working Pressure: 10 bar

Flanges: DN 50,80 and 100

Min. Line Pressure during flush cycle: 2 bar

Approx Flush Time: 5 - 7 sec, Vol 30 L

Max. Working Temp: 65°C

Supplementary products

- Pressure vessels



- Pumpes



- Valves



- High Flow Cartridge filters 20-60 inch.



- Filter Automation (filter and flow control)

- MH Floating Test facility (To rent)

Summary Advantages

- Built after the advice, keep it simple stupid
- Flexible, all filters can be built customized
- Made in Scandinavia (Sweden / Norway) (inhouse R&D and production)
- High Quality built for low maintenance and long life (Duplex/SS316L with few parts)
- Flow performance are outstanding in comparision, patented
- TSS Load performance are best in class compared to known competitors
- Best cleaning screen performance in class, patented
- Originaly made for seawater applications with or without EX/Atex



In comparison with similar nozzle filters our filters are built for cleaning the screen[®] with high sediment load. No need for manual cleaning. It has a outstanding robustness and few parts.

MH Filter Selection Guide

Below information will help you and us to select correct Filter model:

1. Media, application and equipment you are protecting, please describe.
2. Max / Minimum flow rate that the filter need to handle.
3. System operating pressure, (and pump details/curve if available.)
4. Level of filtration in μm required.
5. Dirt/Sediment load (Total Suspended Solids – TSS/TDS) of the water, if known.
6. Particle distribution and sizes, if known.
7. Type of solids that are present, i.e. sand, mud, algae, paper fibre...
8. Water temperature.

