

Technical data sheet

Water treatment system with PurePowerBlock nanofiltration module

Description

The PurePowerBlock water treatment system uses a specially coated ceramic membrane to achieve high purification performance in a wide range of applications::

- Industrial waste water
- Production of process water
- Treatment of surface and seepage water
- Pre-treatment to relieve downstream water treatment systems

The advantages of the technology include

- Low operating costs
- Backwashability of the membranes
- Long service life and durability
- High pH and temperature resistance

Membrane specifications

Material	ceramic connection
Coating material	Polymer
MWCO	x
Min. MgSO ₄	x
Membrane charge	negative
Inner diameter of the membrane	x

Typical system parameters

Max. Pressure	6 bar
Max. Backwash pressure	4 bar
Operating pressure	4 bar
Electrical energy consumption	approx. 25-30 kWh/m ³ permeate
Temperature feed	1 - 55 °C
pH range	5 - 9
Chlorine concentration	constant depending on composition
Backwash time	2 - 10 % of the operating time

Feed water requirements

Max. TSS	x ppm
Max. Particle size	50 µm

Module specifications

Membrane surface area	m ²
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Dimensions of the water treatment system (e.g. 2.5m³/d permeate)

Height	1.8 m
Length	2 m
Width	0.9 m
Weight	250 kg

Construction

Frame Construction	Aluminium
Piping	PE

Dimensions

Water volume Feed	1 - 20,000 m ³ /a (modular)
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Thanks to the modular design of our systems and the adaptability of the coatings, we can respond directly to your application. We can also expand or relieve your existing system. For a personal consultation, please contact our

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gladly at your side!