



Product information
W.E.T.pur

W.E.T.
WASSER • ENERGIE • TECHNOLOGIE



W.E.T.pur
for the treatment of valuable
DRINKING WATER

Modern ultrafiltration in the smallest space.

W.E.T.pur

The compact water treatment with state-of-the-art technology

Designed for reduced planning effort, shorter construction times and maximum operational safety, W.E.T.pur meets all requirements for modern and safe drinking water treatment. Even small systems do not have to compromise on equipment and water quality. The W.E.T.pur system is designed so that operation runs reliably at all times and hygienically perfect drinking water is supplied.



This is how safe and professional water treatment works in the smallest of spaces

NATURAL, GERM-FREE WATER THANKS TO MODERN MEMBRANE TECHNOLOGY

Ultrafiltration membranes with filter pores smaller than $0.02 \mu\text{m}$ safely retain contaminants and turbidity as well as bacteria and viruses, while minerals and salts remain in the water.

W.E.T.pur – THE WATERWORKS IN COMPACT DESIGN

The operation and control of the plant have been tested many times. The W.E.T. control concept allows flexible adaptation of the operation to the raw water conditions.

The backwashing with water is carried out fully automatically, whereby air and pressure surges are dispensed with in favour of a longer membrane service life. If required, chemical-assisted flushing is carried out at regular intervals.



This series incorporates the know-how of more than 20 years of experience

FULL EQUIPMENT INCLUDED:

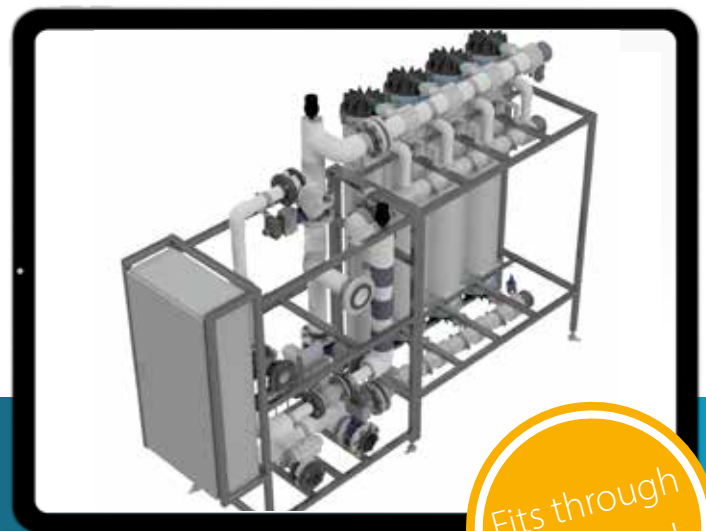
- Automatic prefiltration
- Ultrafiltration membrane
- Flushing water pump, frequency-controlled
- Automated and monitored fittings
- Measuring devices for flow and pressure
- Switching and control technology incl. programmable logic controller, modularly expandable
- Data archiving
- 7-inch touch control panel with archiving system and visualisation software

AVAILABLE AS AN OPTION:

- Waste water neutralisation
- Metering pumps
- Remote monitoring
- Automatic integrity test
- Software interfaces, Modbus TCP, Profinet, Profibus
- Feeding pump

MULTIPLE AREAS OF APPLICATION:

- Public waterworks and elevated tanks
- Hotels, restaurants, cabins
- Own water suppliers
- Pre-treatment for water softening
- Pre-treatment for pure and high purity water applications
- Clean water for industry



Fits through ANY door!

Your benefits at a glance

- Highest operational safety due to proven series technology
- Reduced assembly and downtimes due to the system being pre-assembled and tested in the factory
- Simplified planning through standardised 3D drawings and interfaces
- Purest filtered water - free of turbidity, impurities, bacteria and viruses
- Material-friendly rinsing without air or pressure shocks
- Automated and self-optimising preparation and rinsing
- Data archiving and trend analysis of the system values can be monitored remotely on request
- Flexibly adaptable and expandable through standard interfaces and PLC automation technology

Technical data

W.E.T.pur		1-1-80	1-2-160	1-3-240	1-4-320	1-5-400	1-6-480	1-7-560	1-8-640
Membrane area	m ²	80	160	240	320	400	480	560	640
Power max., at flux 80 l/m ² h	l/s	1.78	3.56	5.33	7.11	8.89	10.67	12.44	14.22
Raw water / filtrate	DN	65	65	65	65	100	100	100	100
Waste / rinsing water	DN	100	100	100	100	150	150	150	150

OPERATING DATA

Pressure, max.	5 bar
Temperature	5 - 40 °C
Device	7" Touch
Connections	Flanges according to EN 1092-1

MATERIALS

Frame variant 1	Stainless steel 1.4571
Frame variant 2	Hot dip galvanised steel
Pipelines variant 1	Stainless steel 1.4571, PN10
Pipelines variant 2	PVC-U, PN 10
Components	Single components according to KTW-BWGL

FILTER DATA

Separation limit prefiltration	100 µm
UF cut-off line	0.02 µm
Membrane material	PESM
Filtration direction	In-Out
Design flux	40 - 80 l/m ² h
Yield for drinking water	95 - 98 %
Differential pressure filtration	approx. 0.2-1.0 bar
Differential pressure flushing	approx. 0.3-2.0 bar

The system is delivered ready for use mounted on a rack, wired, tested and programmed. The connection to the standardised interfaces can be carried out by the system builder, operator or W.E.T. staff.

The equipment is designed for continuous operation, durability and high serviceability. Hydraulic connections and control-related communications can be designed specifically for the project. Fitting and diaphragm frame are separate.

Larger throughputs,
multi-line configuration or
individual designs on request.

We are happy to advise you!

Information at
www.wet-gmbh.com

