Get in touch with Ultrason®

BASF's specialty polymer for clean and safe drinking water – from the source to the tap

BASF
We create chemistry

FROM THE SOURCE TO THE TAP

EFFICIENT WATER USAGE WITH ULTRASON®

YOU WANT TO SUPPORT RESOURCE-EFFICIENT WATER USAGE BY ENSURING CLEAN WATER AND USING WATER RESPONSIBLY – FROM THE SOURCE AT THE WATERWORKS TO THE TAP AT YOUR HOME?

Our high-performance specialty polymer (PSU, PESU, PPSU) enables you to develop high-quality, durable parts for sanitary applications and filtration membranes with exceptional use properties over a long lifetime. With Ultrason®, you can contribute to fighting against scarce or dirty water and ensuring better health standards – so that the precious resource water will also be available for future generations.

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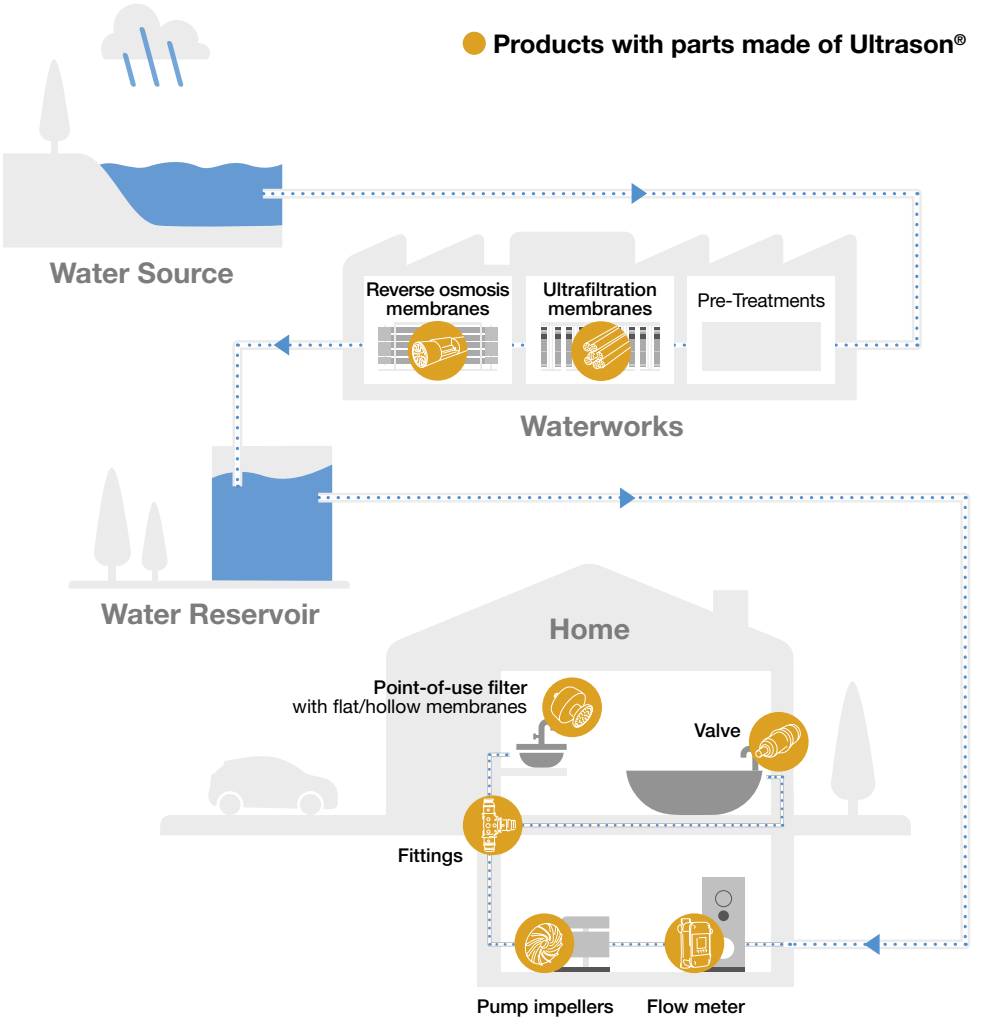
DURABLE AND EFFICIENT COMPONENTS

ULTRASON® FOR SANITARY AND FILTRATION APPLICATIONS

APPLICATIONS:

- Hollow fiber membranes for effective water treatment in water works
- High-performance and durable reverse osmosis (RO) membranes to filter – various water types (e.g. tap water, brackish water, seawater)
- Portable water filters for simple on-site conversion of dirty into potable water
- Pipe fittings for hygienic water transport
- Impellers for smoothly working water pumps
- Water-contact components for flow meters
- Water cartridges for stable mixed water temperatures at the tap
- Ultra-filtration membranes for filters at point-of-use for sinks, shower heads, taps, faucets in hospitals, hotels, public buildings


Products with parts made of Ultrason®
Water Source
Reverse osmosis membranes
Ultrafiltration membranes
Pre-Treatments
Waterworks
Water Reservoir
Home
Point-of-use filter
with flat/hollow membranes
Valve
Fittings
Pump impellers
Flow meter

PERFORMANCE MEETS SUSTAINABILITY

ULTRASON® FOR FILTRATION MEMBRANES

KEY BENEFITS OF ULTRASON® FOR FILTRATION MEMBRANES

- Excellent chemical resistance
- Suitable for usage over a wide pH range (0–13)
- Repeated sterilization possible with super-heated steam
- Soluble in solvents commonly used for membrane production
- Effective filtration of fungi, bacteria and viruses due to excellent pore size control
- Low fouling tendency and easy cleaning due to high flux
- High purity
- Low oligomer content and suitable solution viscosity range

VERSATILITY MEETS EXCELLENCE

ULTRASON® FOR THE SANITARY INDUSTRY

KEY BENEFITS OF ULTRASON® FOR SANITARY APPLICATIONS

- Excellent hydrolysis resistance
- Outstanding mechanical properties from cold to hot temperatures up to 180 °C
- High toughness
- High stiffness
- High thermal and chemical resistance (long-term up to 135 °C, testing conditions)
- Drinking water approvals including ISO 9080
- Excellent resistance against corrosion and stress cracking
- Very high temperature resistance

CORE ULTRASON® GRADES
FOR WATER APPLICATIONS

FOR MEMBRANES	FOR SANITARY APPLICATIONS
Ultrason® E 7020 P	Ultrason® P 3010
Ultrason® E 6020 P	Ultrason® S 3010
Ultrason® P 3010	Ultrason® S 2010 G4 un
Ultrason® S 6010	Ultrason® E 2010 G4 un
Ultrason® S 3010	Ultrason® E 2010 G6 un

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SUSTAINABILITY ADVANTAGES

MAKE THE CHANGE TO SUSTAINABLE WATER USAGE AND ENJOY CLEAN AND SAFE WATER WHEREVER YOU ARE

- Maintain drinking water quality at the highest level
- Advance water treatment: less need to super-chlorinate drinking water
- Enjoy clean water at the tap without contamination by heavy metals
- Advance public health standards due to clean water without bacteria and microbes
- Use less pump energy due to the excellent flow performance of Ultrason®
- Increase energy efficiency by exact dosing of hot and cold water
- Increase usage of secondary water by employing economic RO separation technology

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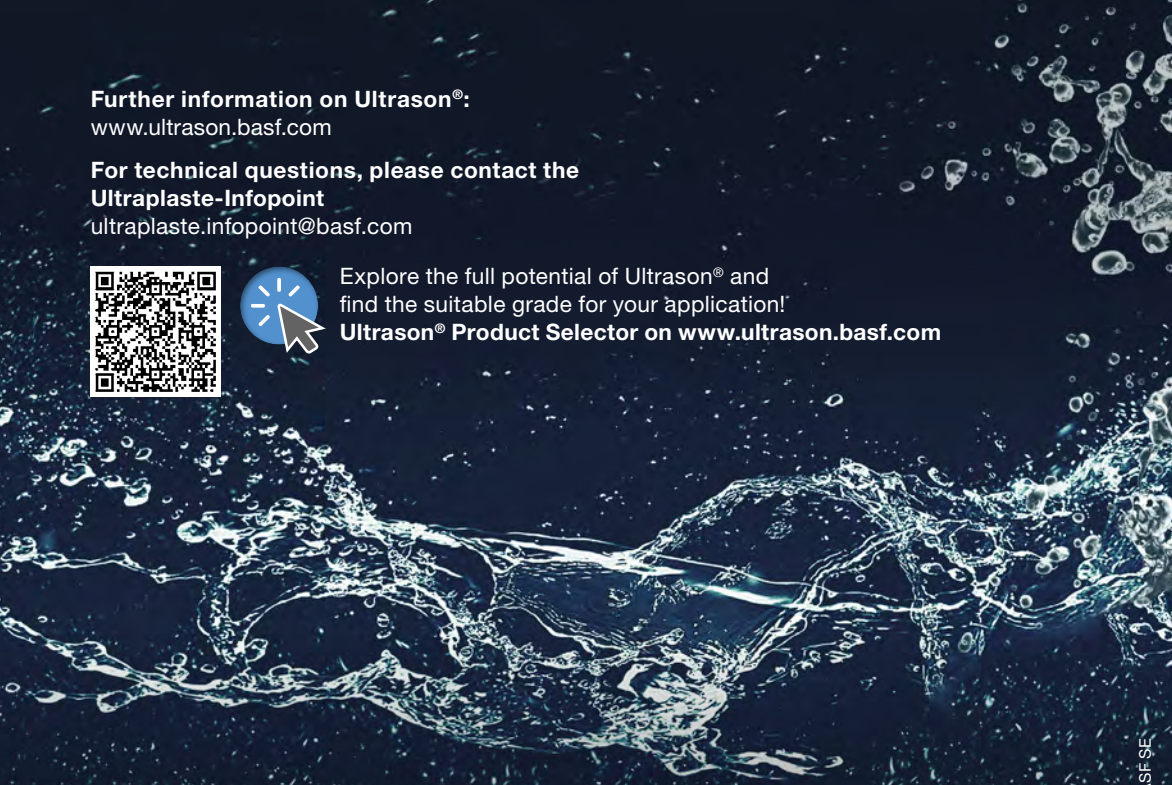
Further information on Ultrason®:
www.ultrason.basf.com

For technical questions, please contact the Ultraplaste-Infopoint
ultraplaste.infopoint@basf.com



Explore the full potential of Ultrason® and find the suitable grade for your application!
Ultrason® Product Selector on www.ultrason.basf.com

Note

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