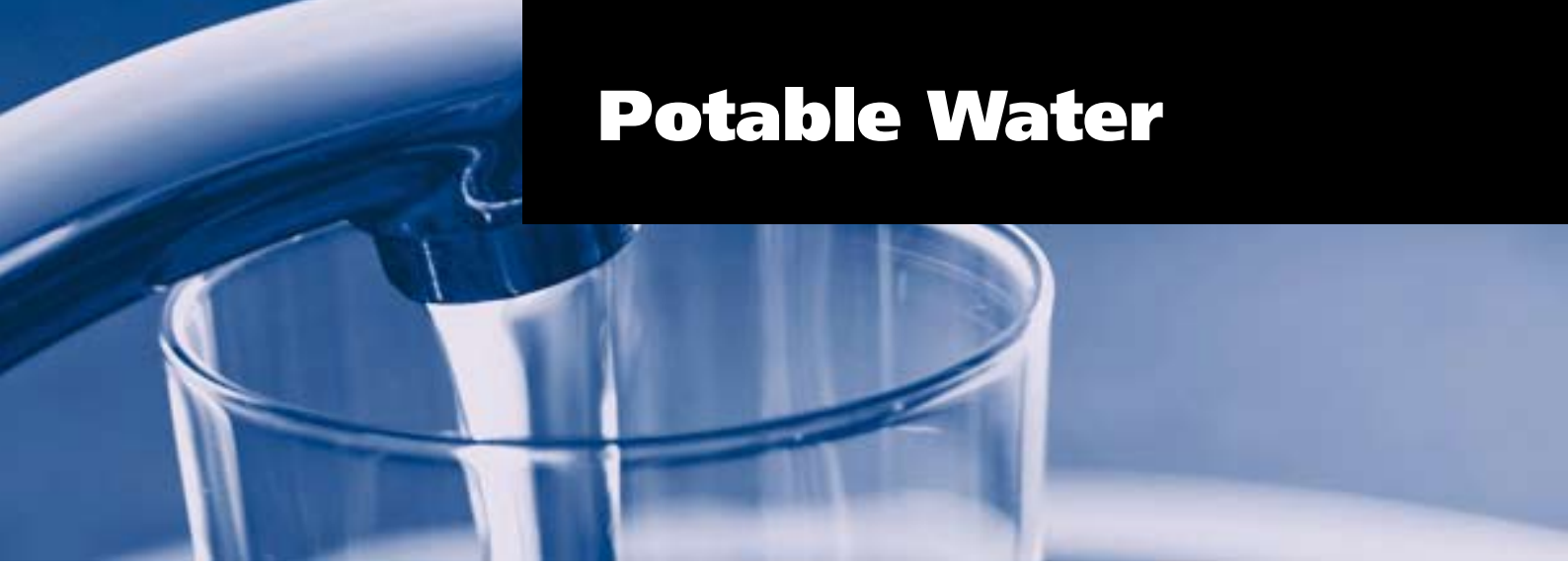


# Potable Water



## Potable Water

### Challenge

Quality requirements for potable water are becoming increasingly stringent. Not only are the allowable levels for turbidity and microbiology being lowered, but also new limits are being established for viruses and chlorine resistant organisms, such as *Cryptosporidium* and *Giardia*. Conventional treatment systems are either unable to meet these quality standards or require multiple barriers which result in a large footprint and investment.

### Solution

Norit ultrafiltration (UF) membranes are an excellent filtration technology for the treatment of surface and ground water to potable water standards. The hollow fiber membrane screens all turbidity, bacteria and viruses. It provides a simple solution that produces water which meets the highest standards for turbidity and microbiology.

Norit X-Flow's hollow fiber membrane is available in two configurations:

- Norit XIGA™ – Multiple membranes, up to four, installed in horizontal membrane housings.
- Norit Aquaflex – Single membranes installed vertically and connected directly to feed and filtrate headers.



## Potable Water

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## Benefits

- Tight UF membrane
  - 6 log removal of bacteria
  - Turbidity  $\ll$  0.1 NTU
  - Silt Density Index  $\ll$  3
- Dead end filtration
  - Low energy consumption
  - Simple system
- Chemically enhanced backwash
  - Low operating pressure
  - Fully automated, no operators
  - Uses low cost chemicals
- Fully automatic operation
  - Logging of operating parameters
- Pressurized system
  - Fully enclosed
  - No operator exposure to fumes or aerosols
  - Small footprint
- Direct coagulation with inorganic coagulants
  - Short retention times
  - High removal of organics
  - Phosphate removal

## Applications

- Emergency potable water
- Ground water
- Potable water
- Surface water



### X-Flow BV

P.O. Box 739 • 7500 AS Enschede • The Netherlands

T +31 53 42 87 350 • F +31 53 42 87 351

E info@xflow.com • I www.xflow.com

Please visit our website to obtain information about your local support!

X-Flow BV reserves the right to make changes in the technical specifications at any time.

# Potable Water

**Norit**  
leading in purification

**X-Flow**