

PUROTAP mini⁺ by ELYSATOR™

The tried and tested
wall mounted unit

- simple
- fast

- reliable
- replaceable
cartridge



DEMINERALISE TOP-UP WATER - ELECTRICITY-FREE WALL MOUNTED UNIT

swiss made 

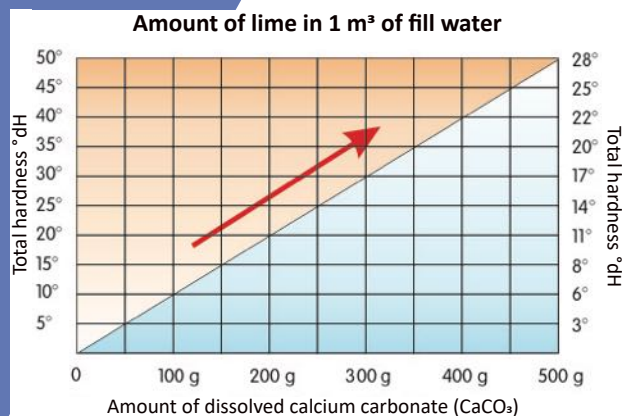


Why treated water for technical purposes?

Water-filled systems, such as heating and cooling systems, power plants and industrial installations, place high demands on water quality. Tap water contains minerals, salts and gases that lead to deposits of sludge, limescale and rust in water-filled systems. Tap water must be filtered until it is suitable for the required technical application. In terms of its chemical and physical properties, treated water for technical purposes must comply with the technical standards established by manufacturers, engineers and professional associations.

Standards for heating water

According to current VDI and SWKI standards, fill water for heating systems should be pretreated to prevent the formation of mineral deposits. Practical experience has shown that even water with a low hardness level can produce limescale deposits that may damage modern appliances such as wall mounted gas boilers, heat pumps and solar thermal systems. The larger the system's water content (e.g. cylinders), the more limescale introduced by the fill water. Water with a hardness of 17 °dH (30 °fH) produces 300 grams of limescale for each cubic metre of water. For a system in a detached house with 350 litres of water, this is still about 100 grams – more than enough to disable a modern high performance heat exchanger.



Demineralised water no longer has any constituents that can precipitate or build up in the boiler and heat exchanger.

The table shows the amount of lime produced when the heating system is filled once with untreated water.



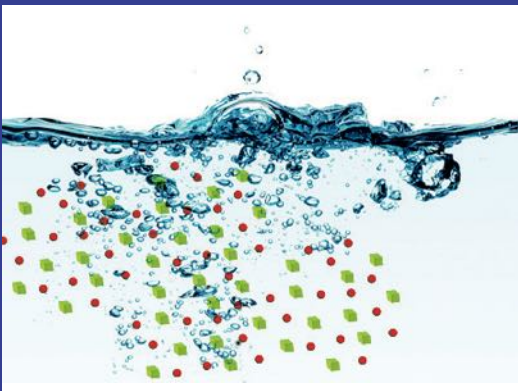
Thanks to PUROTAP® nexion ion exchange resin, carbon dioxide is also removed, increasing the pH value right from the start. This ensures filling in accordance with VDI 2035 (increased anion concentration).

A MUST IN EVERY PROPERTY



Potential consequences of non-demineralised water

- Sludge formation
- Limescale deposits
- Pitting
- Corrosion



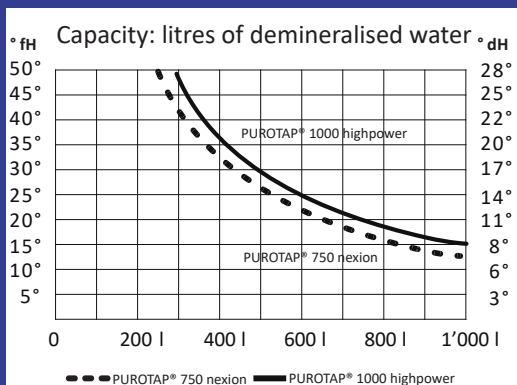
Tap water

Enriched with minerals and gases.



Treated water for technical purposes

Pure water after filtration through mixed bed ion resin.



Capacity

The table shows the capacity of a full desalination cartridge as a function of the total hardness of the fill water.

Example: at a hardness level of 20 °fH / 11 °dH, PUROTAP® mini with the PUROTAP® 1000 highpower disposable cartridge provides approximately 750 litres of demineralised water.

DATA AND DIMENSIONS

PUROTAP® mini + (incl. PUROTAP® 750 nexion disposable cartridge)

Capacity 12.5 m³ at 1 °fH
7 m³ at 1 °dH

Operating pressure 4 bar at 20 °C

Throughput 10 l/min

Water temperature up to 60 °C temporarily

Combined meter

The PUROTAP® combined meter precisely measures the conductivity, throughput and flow rate in litres of your heating water.

- Programmable limit
- Resettable water meter
- Battery operated

Recommended limit

50 µS/cm or 33 TDS, replace the cartridge above these levels.

Replacement cartridge

Replace the cartridge with a new PUROTAP® 750 nexion disposable cartridge with pH+ as soon as the limit value is reached.

The front section of the two-part casing is easy to remove when you need to insert a new disposable cartridge. The PUROTAP® 1000 highpower can also be used.



ELYSATOR 
engineering water

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