PUROTAP®
by ELYSATOR™

Disposable cartridges

PUROTAP® 500 PUROTAP® 1000 PUROTAP® NEXION

Demineralised water is perfect for all building services systems.

- simple, safe, fast
- certified quality
- pH value regulated/monitored

SWKI BT 102-01 /
VDI 2025 compliant

Two types of the familiar PUROTAP® ion exchange resin cartridges for demineralising tap water are now available.

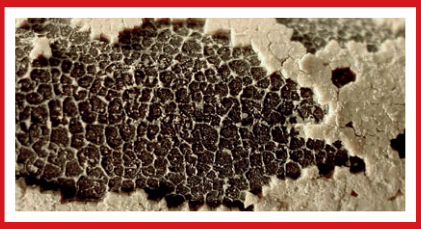
The proven HIGHPOWER high capacity resin for conventional heating systems has now been joined by the new NEXION resin with a defined surplus of anion resin for regulating the pH. The perfect water for the new generation of systems, such as those with heat pumps or large capacity cylinders.

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.

Potential consequences of non-demineralised tap water in water-filled systems:

Sludge formation



Scaling

Pitting, corrosion

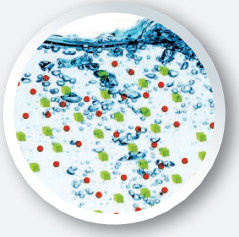
Tested ion exchange resin

The quality and composition of the ion exchange resin used for full desalination can have a major impact on whether or not a heating system is liable to suffer from corrosion right from the start.

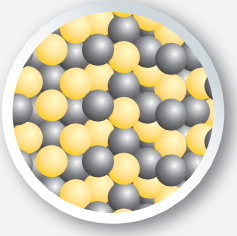
There are significant quality differences in the composition of ion exchange resin.

For this reason, ELYSATOR Engineering checks the production and mixing of its resin with the utmost care. Only the best quality reaches the market.

Vacuum packaging protects the resin against carbon dioxide enrichment.



1 Domestic hot water, enriched with minerals and gases



2 Tested PUROTAP®
2-component mixed bed resin
PUROTAP® HIGHPOWER
or PUROTAP® NEXION

3 Fully desalinated water through ion exchange

PUROTAP® disposable cartridges

Now available in two versions.

PUROTAP® NEXION
The premium resin to meet the exacting demands of the new generation of building services systems. 2-component mixing bed resin with a high proportion of anion resin for reliable full desalination and a controlled pH value.

PUROTAP® 500 and PUROTAP® 1000 with the proven HIGHPOWER high capacity resin for filling and topping up conventional heating and cooling systems.

"PUROTAP® disposable cartridges with the certified resin guarantee safe, fast and reliable demineralisation of your system water."

NEW: PREMIUM RESIN WITH ANION RESIN SURPLUS

PUROTAP® NEXION

Throughput	10 l/minute
Capacity	12.5 m^3 at 1 °fH
	7 m^3 at 1 °dH

PUROTAP® 1000 (HIGHPOWER resin)

Throughput	10 l/minute
Capacity	15 m^3 at 1 °fH
	8.5 m^3 at 1 °dH

PUROTAP® 500 (HIGHPOWER resin)

Throughput	10 l/minute
Capacity	7.5 m^3 at 1 °fH
	4.5 m^3 at 1 °dH

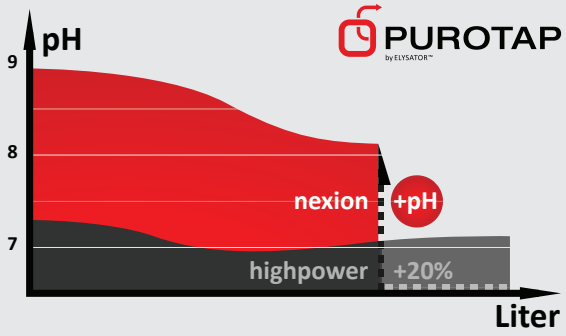
PUROTAP® NEXION

PUROTAP® NEXION – the premium resin to meet the exacting demands of the new generation of building services systems. 2-component mixing bed resin with a high proportion of anion resin for reliable full desalination and a controlled pH value.

PUROTAP® NEXION
Higher pH value, lower litre capacity

PUROTAP® HIGHPOWER
Lower pH value, higher litre capacity

Pay attention to the system-specific self-alkalisation.



PUROTAP® measuring devices

Standards and guidelines recommend testing and logging the quality of the system water.
With PUROTAP® measuring instruments, water quality can be simply, safely and reliably monitored and documented.

PUROTAP® combined meters

For more precise filling

Professional and reliable measuring of the electrical conductivity of heating water. The PUROTAP® combined meter takes precise measurements for reliable system filling. Programmable limit. Resettable water meter. Battery operated.

- **Mineral content in TDS**
- **Conductivity in µS/cm**
- **Flow meter l/min**

PUROTAP® i-control

For continuous monitoring of the system water

Continuously monitors the electrical conductivity of the system water at one-second intervals as a way of checking for corrosion and deposits.

- **Conductivity monitoring at one-second intervals**
- **Continuous and in-line**
- **Simple to install, during operation, on any system**

Conductivity of circulating water clearly indicated by coloured LEDs.

Green	0 - 100	µS/cm
Yellow	200 - 300	µS/cm
Red	> 300	µS/cm