

Vadion pH Control

THE VADION SERIES
for all challenges
the right mixed bed resin



The standards

When it comes to water treatment, the highest level of purity is crucial.

This is what the standards say

The applicable VDI 2035, Ö-NORM H 5195-1 or SWKI BT 102-1 standards state that filling water for heating systems must be pre-treated to prevent mineral deposits.

This is what our experience says

We know from experience that modern devices such as gas wall boilers, heat pumps and solar systems are damaged by limescale precipitation even at low levels of hardness.

The larger the water content in the system (e.g. storage tank), the more lime is introduced with the filling water. At a hardness of 17° dH (30 °fH), 300 g of lime accumulate per cubic meter of water. For a single-family home with 350 l of water, it is still about 100 g.

This amount is more than sufficient to put a modern high-performance heat exchanger out of operation.



Therefore a mixed bed resin

The quality of the heating water is influenced by various factors. These include pH, conductivity, oxygen and lime. But sulfates, chlorides, nitrates and acids can also affect the quality. With a suitable mixed bed resin, the substances that negatively affect water quality can be rendered harmless.



Fully demineralized water with the mixed bed resin Vadion pH-Control

In order to meet the values recommended in VDI 2035 (hardness of 0.11 °dH, $\leq 100 \mu\text{S/cm}$, pH value of 8.2 - 10 in stainless steel systems or 8.2 - 9 for aluminum components), we have developed a special mixed bed resin.

Our **Vadion pH-Control** is a mixed bed resin that not only desalinates the water to $< 100 \mu\text{S/cm}$ (corresponds to 0-2 °dH) but also provides a pH value of the heating water in the required range. It can be used from 3 to 80 °C water temperature. This also makes it possible to remove any residual hardness and dissolved salts in the heating water of a heating system in the bypass system up to temperatures of 80 °C.



DID YOU KNOW?

Thanks to Vadion pH-Control, the pH value adjustment is also automatic.



Your benefits

VDI 2035, ÖNORM H 5195-1 and SWKI BT 102-01 fulfilled in one step

Suitable for all manufacturers and materials

No energy-intensive generation necessary

No follow-up necessary after 8 to 12 weeks

Can be used from 3 to 80 °C**

Conductivity reduction + pH value stabilization without chemicals

Why should you choose our mixed bed resin?

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1. Reliability:

With our years of experience and expertise, you can rely on our resins to deliver consistent and reliable results.

2. Tailor-made:

We offer customized mixed bed resins specifically designed to meet your requirements to ensure optimal performance.

3. Safe for the environment:

Vadion pH-Control is free of any additives and can be easily disposed of with household waste.

Our innovative mixed bed resin

- removes salts from the heating water
- keeps the pH value of the filling water in the required range
- removes any residual hardness

Bypass procedure with UWS makes it possible:

Subsequent heating water treatment possible with minimal effort

Devices can be used up to 80 °C water temperature

Uniform conductivity in the system

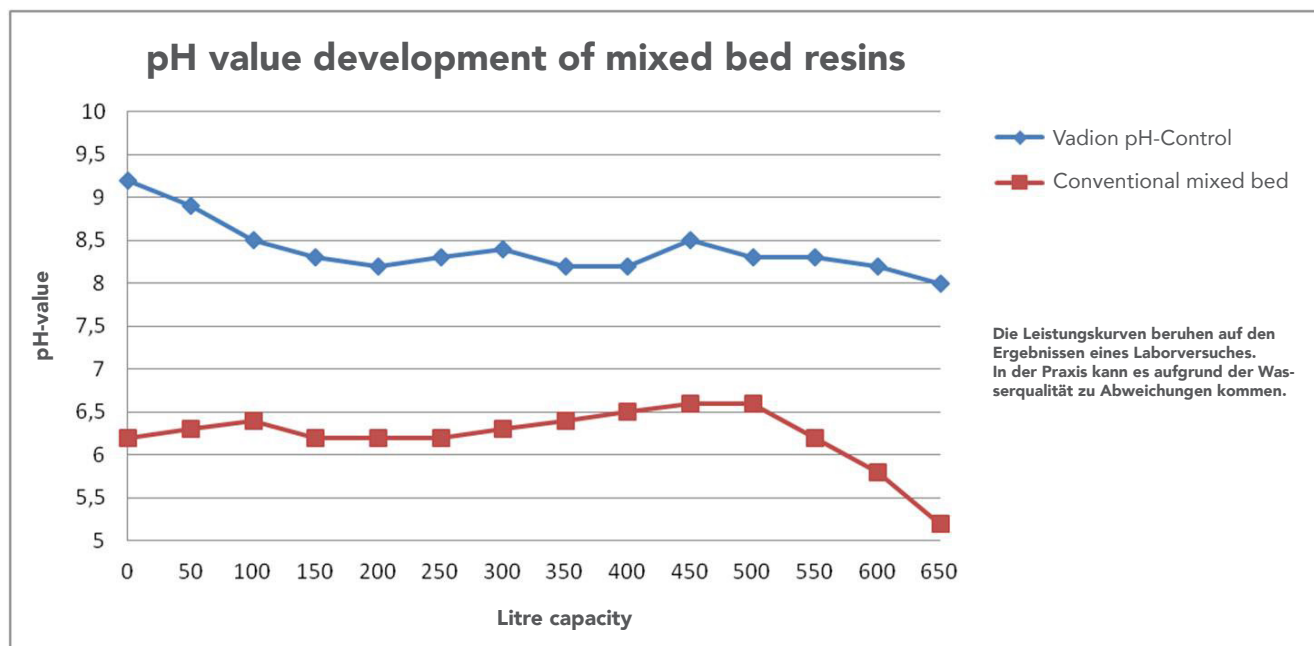


DID YOU KNOW?

You can use our rental service for mixed bed resin cartridges for a variable period of time. The cartridges include mixed bed resin and rinsing head. Our exchange service for used resin also saves you a lot of time.



Technical data



Content	4 liters	6 liters	9.5 liters	23 liters
Storage conditions	Above 0 °C, not above 50 °C			
Durability	From packaging 1 year			
Disposal	(Waste code 190905) household waste			
Notes	The instructions for the respective devices must be observed. Open storage should be avoided.			
Article number	100055-2	100055-1	100055-0	100055

our water. safe.

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