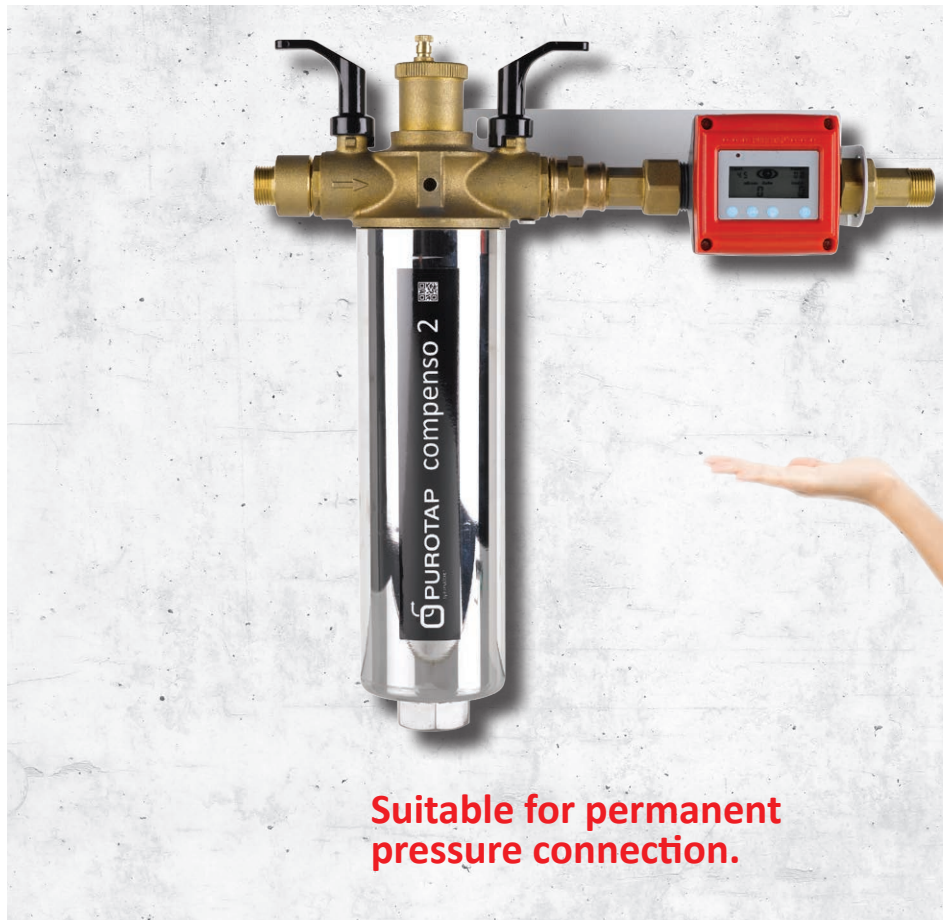


PUROTAP[®] compenso

The convenient refill units of the PUROTAP compenso range provide demineralised water for topping up heating water and coolant.



Minerals and salts in water circuits for technical purposes cause corrosion and deposits. The PUROTAP compenso models 2, 12, 25 and 50 filter out corrosive substances from the fill water, thereby enabling trouble-free operation. Suitable for permanent pressure connection. With integral combined meter.

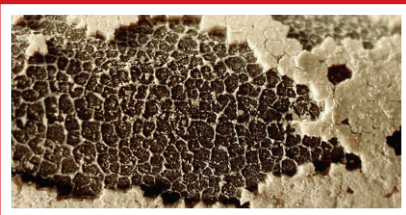
Standards for heating water

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 single family home with 350 litres of water, this results in approx. 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



Scaling



Pitting, corrosion

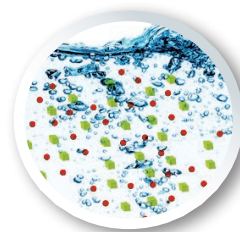
Why treated water for technical purposes?

Water circuits need demineralised water

Water-filled systems, such as heating and cooling systems, power plants, industrial installations and ship engines, 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 desired technological application. In terms of its chemical and physical properties, technical water must comply with the technical standards established by manufacturers, engineers and professional associations.

The main benefits of demineralised water

- greater energy efficiency
- reduced maintenance costs
- allows for guarantee claims and consumer protection



Tap water: enriched with minerals and gases



Pure treated water for technical purposes after filtration through mixing bed ion resin

Demineralised water is stipulated for filling heating systems by leading boiler manufacturers and by the Swiss Society of Building Technology Engineers.

Easy and assured compliance with the following standards: SWKI BT 102-01, VDI 2035 Part 2, ÖNORM H 5195-1

PUROTAP® compenso

The right model for every application

The refill units filter limescale and corrosive substances such as sulphates, nitrates and chlorides out of the fill water and provide demineralised, fully desalinated water. The models vary in terms of throughput and capacity. All models are suitable for permanent connection and for automatic topping up.

PUROTAP® compenso 12, 25, 50 l

Compact refill units



Performance data:

Model	12	25	50
Capacity 1 °dH	20 m ³	40 m ³	80 m ³
Capacity 1 °fH	35 m ³	70 m ³	140 m ³
Throughput/min	10 l	20 l	20 l



PUROTAP® compenso 2

Convenient wall unit for smaller systems

Capacity 1 °dH 2.5 m³

Capacity 1 °fH 4.5 m³

Throughput/min 2.5 l



Specifications and dimensions

PUROTAP® compenso 2

The wall mounted unit can simply be installed in the utility room. No power connection required. Suitable for downstream connection to an automatic top-up system. With integral combined meter.

Throughput 2.5 l/min
 Capacity 2.5 m³ at 1 °dH
 4.5 m³ at 1 °fH
 Operating pressure 6 bar
 Water temperature max. 60 °C

PUROTAP® compenso 12 / 25 / 50

These compact refill units do not need a power connection. Suitable for downstream connection to an automatic top-up system. With integral combined meter.

PUROTAP® compenso 12

Throughput 10 l/min
 Capacity 20 m³ at 1 °dH
 35 m³ at 1 °fH

PUROTAP® compenso 25

Throughput 20 l/min
 Capacity 40 m³ at 1 °dH
 70 m³ at 1 °fH

PUROTAP® compenso 50

Throughput 20 l/min
 Capacity 80 m³ at 1 °dH
 140 m³ at 1 °fH

Operating pressure 6 bar (permanent)
 Water temperature max. 60 °C

Main application
 Top-up water for all heating and cooling systems.

GOOD REASONS

- no rust
- no scaling
- no gases
- low conductivity
- complies with current standards

 swiss made

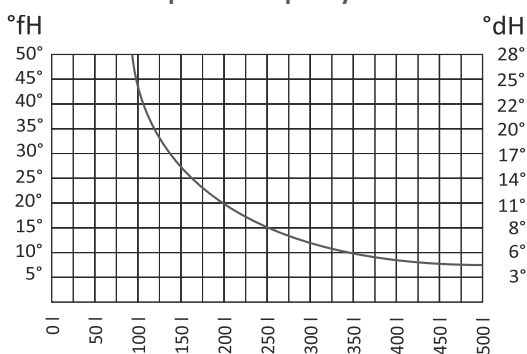
The capacity of the ion exchange resin depends on the water hardness. For capacity values see the tables below, or calculate the value using the capacity figure of the resin quantity.

The PUROTAP® compenso 2 resin filling has a capacity of 4500 l at 1 °fH, or 2500 l at 1 °dH.

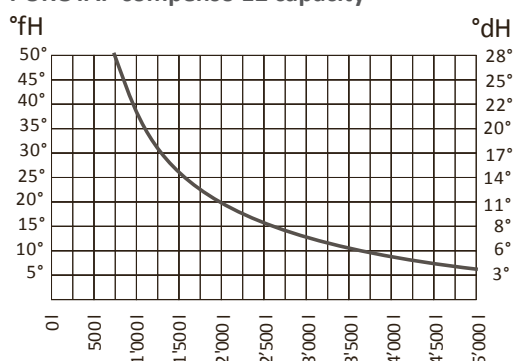
For the German hardness scale, use the figure 2500 and divide it by the water hardness in °dH. For the French hardness scale, use the figure 4500 and divide it by the water hardness in °fH. The result indicates the capacity of the resin in litres of water.

Example: At a water hardness of e.g. 12.5 °dH the capacity of the resin is exactly 200 l demineralised water.

PUROTAP compenso 2 capacity



PUROTAP compenso 12 capacity



PUROTAP compenso 25 / compenso 50 capacity

