

ELYSATOR trio .1

by ELYSATOR™

The new generation of corrosion protection devices with even more functions for small and medium sized heating systems.

- Filtration
- Micro gas bubble separator

- Anode protection
- Magnetic flow filter



FOURFOLD PROTECTION IN THE HEATING CIRCUIT – COMBINED IN ONE DEVICE

swiss made 



Today's heating systems place ever increasing demands on the water they contain. The ELYSATOR® trio .1 reduces corrosion by removing oxygen and regulating the pH value. At the same time, impurities of all kinds are also reliably removed. This enables trouble-free operation of the heating system.



ELYSATOR® trio .1

The ELYSATOR® trio .1 is the only corrosion protection device that combines 4 functions in one unit:

- Degassing through a micro gas bubble separator
- Anode protection with a corrosion-protective magnesium anode
- Magnetic flow filter through a high performance magnet
- NEW: also with a replaceable dirt filter

All this provides even better protection of the valuable metal components in the heating system against rust and sludge, helping to prevent faults.

- For old or new installations
- Stainless wetted parts
- No external power required
- No chemicals
- Self-regulating & low maintenance
- Energy saving & environmentally friendly

Versions

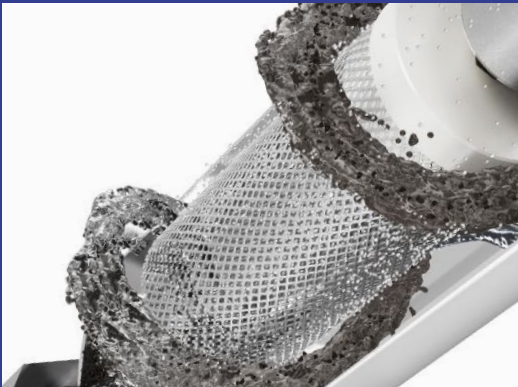
- ELYSATOR® trio 10.1, systems up to 500 litres excl. cylinder.
- ELYSATOR® trio 15.1, systems up to 1500 litres excl. cylinder.
- ELYSATOR® trio 25.1, systems up to 5000 litres excl. cylinder.

PROVEN DEVICE WITH MORE FUNCTIONS



1. Suspended solids filter

Non-magnetic particles may also be present in the system water. They clog up the system and increase the energy demand. Conventional sludge collectors work according to the gravity principle at full throughput, and do not filter out small particles. The large tank, which calms the circulating water, and the suspended solids filter mean that these particles remain in the filter housing and are flushed out during sludge removal. This is also possible without interrupting operation. The filter can be replaced as necessary.



2. Degassing

Gases in heating circuits impair performance and cause noise. Conventional air vents only partially remove small gas bubbles. A special filter in the ELYSATOR® trio .1 collects fine bubbles and merges them to create larger bubbles that rise and are automatically removed from the system. The system can even dislodge air pockets from the highest points in the heating system and remove them efficiently without using additional energy.



3. Anode protection

The ELYSATOR® trio .1 uses a corrosion-protective magnesium anode made from high-purity magnesium to bind oxygen, increase the pH value and produce alkaline, low-salt water. This is done in an environmentally friendly way without chemicals or external energy. The process automatically adapts to the corrosiveness of the water and supports the service life of metal components in compliance with standards. Anode replacement is simple and is carried out every 2 to 4 years when the indicator falls into the red area.



4. Magnetic flow filter

The magnetic flow filter in the ELYSATOR® trio .1 uses an extremely strong permanent magnet to actively filter out ferrous corrosion particles. The externally fitted neodymium magnet with a pull force of 220 newtons is unique. This enables removal of magnetite and deposits while the heating system is running. Pulling off the magnet releases the particles, which can be easily flushed out via the blowdown valve without opening the device.

Performance data

ELYSATOR® trio 10.1

System water capacity	< 500 l
Throughput	< 3 m³/h
Connection dimension	1"
Max. operating pressure	< 6 bar
Max. temperature	< 90 °C

ELYSATOR® trio 15.1

System water capacity	< 1500 l
Throughput	< 5 m³/h
Connection dimension	1 ½"
Max. operating pressure	< 6 bar
Max. temperature	< 90 °C

ELYSATOR® trio 25.1

System water capacity	< 5000 l
Throughput	< 7 m³/h
Connection dimension	1 ½"
Max. operating pressure	< 6 bar
Max. temperature	< 90 °C

Degassing

Micro gas bubble removal

Anode protection

ELYSATOR® system to prevent rust formation

NEW: suspended solids filter

Magnetic flow filter

Desludging and cleaning

New EPP insulation

Drain valve

To discharge sludge, magnetite and particles of all kinds

Monitoring

Heating water activity



ELYSATOR 
engineering water

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