

## MIRATEC SYSTEM CLEANER ECO

High-technology special cleaner for closed and open heating systems and cooling systems.

Colourless acidic system cleaning concentrate with patented formulation for systems and plants for heating and cooling, geothermal systems, heat exchangers and other water-bearing systems in order to remove corrosion products, lime scale deposits and oil residues. The system cleaner can be applications for all materials which are commonly utilised in heating systems or plants, such as steel, iron alloys, aluminium, copper etc.

### Description

A novel cleaning formulation which comprises complexing agents, hard water stabilisers, corrosion protection additives and special non-ionic surfactants.

### Application

Always drain the heating water and replace it with fresh water before commencing the cleaning process. System cleaner is to be metered and added according to the degree of contamination and the circulation pump must always be switched on for optimum mixing and cleaning. The cleaning temperature should be at least 40 °C but not exceed 60 °C. The heating system must be completely drained and rinsed with water until the pH value reaches approx. 7 after the cleaning process has been completed.

### Advantages

- Rapid removal of rust deposits, lime scale and sludge deposits
- Non-corrosive: Special corrosion protection for non-ferrous and ferrous metals
- Non-foaming: No damage to pumps and control valves
- Shorter flushing times for old systems and new systems
- Simple and safe handling, as it is free of aggressive acids
- Removal of flux and residues after welding work and maintenance work
- No brushing, scrubbing etc. necessary
- Suitable for any system water quality, as it is hard water stable
- Increased performance due to improved heat transfer
- No adverse effects on rubber hoses and sealing materials are known

### Recommendation

5L MIRATEC SYSTEM CLEANER ECO to 100L water When diluting MIRATEC SYSTEM CLEANER ECO, always ensure that water of the following quality is used: - pH: 6 - 7 - Electrical conductivity: 100 - 400 µS/cm - Calcium: < 60ppm - Sulphate: < 50ppm - Chloride: < 40ppm

### Notes

- Depending on the degree of contamination involved, the cleaner can also be utilised in a more concentrated form. Increasing the temperature by 10 °C will double the cleaning performance and halve the cleaning time involved. At a cleaning temperature of 60 °C, the application time should not exceed 4 hours.

