



K3®

K3® is a detergent and a renovation agent to remove calcareous deposits from heat exchangers, hot water boilers, cooling towers, condensation units, sterilizers etc.



USAGE

K3® is used wherever scale prevents the device from working correctly - especially for heat exchangers, heating coils, pipes, nozzles etc. It is safe for plastics, glass and the majority of metals - especially steel, stainless steel, iron, copper and aluminum.

BENEFITS

- An easy application
- Safe for the majority of surfaces
- Highly effective

USER MANUAL

Disconnect the device and discharge all fillings, rinse with water. To clean heat exchangers, prepare a sufficient quantity of the K3® solution - the recommended dilution ratio is 10 - 30 % (1 - 3 kg of K3® per 10 l of water). Warm the solution up to 45 - 55 °C and let it circulate for about 10 - 15 minutes, check the pH continuously maintaining it within the interval of 1.5 - 2.0 by adding more K3® (for the period of 1 - 2 hours). After having cleaned the device and removed the scale, rinse the whole system with NOVALON 2000 product (dilution: 1:5 with water) and then with clean water so that the pH value of the discharged solution should correspond to pH of clean water. Then you can connect the exchanger back to the circuit, or you can preserve it and put it out of action.

NOTICE

When the scale layer is removed, the potential damage of the cleaned surface (corrosion) may be uncovered - we are not liable in any manner for such a condition. Always check the recommendations of the manufacturer of the device to make sure that this manner of cleaning is permitted. Please don't mix K3® up with other detergent or disinfectant in any case!

K3® is very friendly to metal surfaces in comparison with other acid products, it is safe for stainless steel; we recommend to use the K3® i corrosion inhibitor, which can be part of the delivery of K3®, to minimize corrosive effects on other metals. We recommend to add the corrosion inhibitor to the cleaning solution in the concentration of 0.5 to 1 %, i.e. 0.5 - 1 kg of the inhibitor per 100 kg of the solution (about 0.3 - 0.5 l per 100 l of the solution).

TECHNICAL DATA

State (at 20 °C)	crystalline substance
pH value	acid

CONTENT

STOCK NUMBER

30 kg bucket

246 020

RELATED PRODUCTS

NOVÝ
OTAVON®NR® - INVISIBLE
GLOVES

REK®



All products of NOVATO® spol. s.r.o., which are a chemical mixture or a dangerous chemical mixture, are properly classified, marked and equipped with safety data sheets in accordance with the Chemical Act and relevant regulations within the EU. All hazardous mixtures have a safety data sheet, which is freely available on our website www.novato.cz, eventually at our sales representatives and in the sales department of the company. All users of NOVATO® products are legally required to familiarize themselves with the technical and safety data sheets of the product concerned to ensure proper use, storage and handling of the product. Our oral and written technical recommendations, which we transmit with the utmost knowledge, cannot cover all details and conditions of the application and do not exempt users from their own examinations and tests in relation to third party rights. Therefore, the user is obliged to perform tests and tests for individual applications in such a way as to eliminate all risks associated with the application of the chemical mixture, especially the hazardous chemical mixture, as these applications and their conditions are beyond our control possibilities. NOVATO® spol. s.r.o. guarantees the declared quality of its products and the properties described in the technical and safety data sheets.

NOVATO® spol. s.r.o., Uralská 6, 160 00 Prague 6, tel. : +420 233 339 688, fax: +420 224 315 198, e-mail: obchod@novato.cz, www.novato.cz