

FOUR-X ONE SHOT

Multifunctional concentrated additive with restorative function without discharge, for uncompromised thermal-cooling systems and radiant floors.

Preferably to be used in conjunction with appropriate MAGNEX series magnetic-defiler.

Compliant to Norm UNI 8065:2019

DESCRIPTION:

It is a unique concentrated product with 4 functions. It has a disintegrating action for sludge and slurries and also exerts a protective antiscaling action in the presence of hard water, providing anticorrosive protection toward all constituent metals in systems, particularly aluminum and its alloys. It is also formulated with a powerful broad-spectrum biocide that can inhibit algal growth in low-temperature systems (e.g., radiant floors). The overall action is sanitizing and does not require flushing if used properly in conjunction with appropriate MAGNEX series magnetic defanging filter.

EFFECTIVENESS:

- 1. Restorative:** breaks up and disperses any type of fouling present in thermal and refrigeration circuits, whether inorganic (rust, limestone, magnetite, machining residues, etc.) or organic (algae, biofilms, bacteria, etc.) in nature.
- 2. Antiscalant:** the sequestering active ingredients in the formulation make it possible to keep calcium and magnesium salts dissolved in water in dispersion, thus preventing the precipitation of lime scale within the circuit as well as guaranteeing over time the correct heat exchange capacity of the system, preserving the system itself from possible occlusions and keeping consumption to a minimum.
- 3. Anticorrosive:** the presence of a broad package of formulated inhibitors based on azoles and molybdates allows the product to exert a prolonged anticorrosive action (even years after loading) toward all metals constituting the systems, particularly toward amphoteric metals such as aluminum and light alloys (aluminum-silicon).
- 4. Antibacterial:** the broad-spectrum biocide present in the formulation, in addition to performing a preservative function of the product itself, makes it possible to preserve circuits running at low temperatures (30 ÷ 40 °C e.g., radiant floors, geothermal and refrigerants), from algal/bacterial proliferation resulting in algae stratification therefore cold areas in the house as well as higher energy consumption.

HOW TO USE:

The product is recommended on medium-lived, even dated, but NOT compromised systems, in combination with a magnetic-deflector filter to be installed on the return to the boiler. Load directly from the filter, or via Disiflux sanitizing pump or an easy entry point of the system, at the rate of 0.5%, i.e. 1 liter for every 200 liters of liquid circulating in the system. Periodic cleaning of the sludge-magnetic filter will be necessary and will depend on the amount of sludge in the circuit. Indicatively, it is recommended to wash the filter after a few days from the introduction of the product into the circuit, then after 10 to 15 days and then after another 30 days repeating the operation for a few months. The



amount of sequestered sludge as well as the turbidity of the water itself will tend to improve gradually after each individual check. For more information, please consult Facot Chemicals Technical Department and follow the requirements of UNI 8065:2019 for subsequent controls.

TECHNICAL DATA:

Appearance	straw-yellow liquid
Odor	odorless
pH as sampled	$7,5 \pm 0,5$
Boiling point/range	$> 100\text{ }^{\circ}\text{C}$
Relative density	$1,180 \pm 0,020\text{ g/cm}^3$
Water solubility	complete

PACKAGING:

500 ml bottles, 16 pcs boxes.
3 lt jerrycan, 4 pcs boxes.



Guidelines to Norm 8065:2019 can be downloaded at the following link.

[https://focus.facotitalia.com/pdf/LINEE GUIDA NORMA UNI%208065-19.pdf](https://focus.facotitalia.com/pdf/LINEE_GUIDA_NORMA_UNI%208065-19.pdf)



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