

NANO CLEAN

Inhibitor-enhanced acidic descaler for multi-metal systems

Product Description

NANO CLEAN is a high-efficiency acidic descaling formulation designed to remove mineral scale, corrosion residues, and inorganic deposits from heating and cooling systems. It is particularly suitable for use in systems containing copper, aluminum, steel, galvanized steel, and mixed-metal systems.

Technical Properties

Physical State	Liquid	pH	1 - 3
Colour	White	Density	1.10 - 1.20 g/cm ³
Odour	Noticeable	Solubility	Fully water soluble

Product Information

- Rapidly dissolves limescale and mineral deposits.
- The corrosion-inhibitor system protects metal surfaces.
- Improves flow efficiency and heat transfer.
- Reduces downtime and maintenance frequency.
- Compatible with multi-metal systems.
- Optimized for controlled, safe descaling operations. Effective as the primary cleaning agent in pre-commissioning flushing operations - removes construction debris, oil residues, and corrosion formed during the standby period, preparing new systems for reliable first-day operation.

Application Areas

- Heat exchangers, boilers and industrial steam boilers.
- Cooling and heating circuits.
- Industrial pipe cleaning systems.
- HVAC and hydronic systems.
- Preventive maintenance and system restoration. Pre-commissioning flushing of newly installed heating and cooling systems (removal of oil residues, concrete debris, and construction contaminants prior to system startup).

Usage Information

Dilute with water based on the contamination level:

- Light scaling: 1:15
- Medium scaling: 1:10
- Heavy scaling: 1:5

Circulate within the system or apply directly. Allow the reaction to proceed until scale dissolution is complete. Rinse thoroughly with water after application. A neutralization step may be applied if required.

Compatibility

- Compatible with copper, aluminum, steel, galvanized steel, and mixed-metal surfaces when used as directed.
- Not recommended for acid-sensitive materials without prior testing.

Packaging

Available packing sizes are 1 kg, 25 kg and 1000 kg IBC

Storage & Shelf Life

- Store in original containers in a cool, dry, and well-ventilated area.
- Keep tightly closed. Protect from freezing and excessive heat.
- When stored under recommended conditions, the product has a shelf life of 24 months.

Safety

May cause skin and eye irritation. Use appropriate PPE including gloves and eye protection. Avoid contact with skin and eyes; do not breathe vapours or mist.