

ACQUASIL® 5/10L

Anti-scaling and anti-corrosive solution for electromagnetic pumps for low hardness water.



Finality

Limescale incrustation and corrosion are crucial problems affecting hot and cold sanitary water installations. The proportional dosage of anti-scaling and anti-corrosive products is a safe and proven technology which helps in preventing scale deposition and corrosion processes. Polyphosphates, even at very low concentrations, are able to counteract the formation of scale and corrosion in water distribution lines.

AcquaSIL® 5/10L is an aqueous solution of food grade polyphosphates specific for the treatment of low hardness drinking water, employed for the prevention of incrustation and corrosion in water distribution lines fed with hard waters.

Once dosed precisely and proportionally by means of electromagnetic dosing pumps, AcquaSIL® 5/10L protects hydraulic circuits and heat exchanges from incrustation and corrosion.

Advantages of AcquaSIL®

AcquaSIL® is an aqueous solution of food grade polyphosphates specific for drinking water treatment used for preventing scale and corrosion in hard water supply systems.

Through a mechanism known as "threshold effect", polyphosphates, if present in water at concentrations of a few mg/l, interfere with the crystallization phenomena of carbonates by hindering the formation of encrustations. Further, polyphosphates form a protective layer on metal surfaces protecting them from corrosion.

The products of the AcquaSIL® line are formulated following a rigid quality control protocol that, starting from food grade ingredients, provides a safe product.

Key features

The balanced composition of AcquaSIL® 5/10L makes it particularly effective in stabilizing calcium and magnesium salts (responsible for scaling) in solution also preventive corrosive phenomena, proving to be efficient with water having hardness in the range 2-3 °f and 10 °f.

AcquaSIL® 5/10L stabilizing properties are ensured for instantaneous temperature until 80 °C and storage temperature until 60 °C. AcquaSIL® 5/10L not only protects brand new devices and hydraulic circuits but it is also able to restore encrusted surfaces. AcquaSIL® 5/10L is not classified as dangerous in the current regulation.

Intended use, use conditions, dosage

AcquaSIL[®] 5/10L should be dosed automatically by electromagnetic proportional dosing pumps. It can be mainly employed in domestic drinking water to protect: boilers (DHW), heat exchangers, cold water distribution net, once through cooling system, washing machines, dishwashing machines and others household electrical appliances requiring hot water. Do not dose



AcquaSIL[®] 5/10L upstream of boilers with solar heating systems, the temperatures reached in these systems can lead to rapid degradation of the product resulting in loss of efficacy.

AcquaSIL[®] 5/10L must be dosed upstream of equipment to be protected.



Attention! For the installation of the injection valve of the dosing pump provide a TEE connection made in plastic (PVC) avoiding any type of metallic material.

Analytical methods

Orthophosphates concentration in water must be carried out after submitting the sample to a hot acid digestion.

Packaging and storage

25 kg AcquaSIL[®] 5/10L canister (code PC055).

Store in a cool place protected from frost and heat (ambient temperature between 5 and 35°C).

Warnings

For any application other than the ones specified contact our local agency or get directly in touch with Acqua Brevetti s.r.l.. The company cannot be held responsible in case of improper use of the product. The effectiveness of the product depends on the real state of the system and on the chemical-physical characteristics of the water.

Do not dose AcquaSIL[®] 5/10L upstream of boilers with solar heating system; the temperatures reached in these systems can lead to rapid degradation of the product resulting in loss of efficacy.

Raw water

The dosing of AcquaSIL[®] 5/10L results in an increase of the concentration of phosphorus in the water..

Compliance and regulatory references

AcquaSIL[®] 5/10L is compliant with Regulation (CE) n. 231/2012 and Standard EN 1212:2005.

Acqua Brevetti s.r.l. works with a Quality System certified in compliance with the requirements of the UNI-EN ISO 9001 with certificate 501007368 issued by TÜV Italy Srl..

Material safety data sheet

Under the provisions of article 31 of the REACH AcquaSIL products do not requires a material safety data sheet and an informative datasheet is available..

Trasportation

AcquaSIL[®] products are not classified as dangerous under transport regulations, hence they are exempt from ADR prescriptions.

Performances and technical datasheet

	<i>Units</i>	<i>PC055</i>
<i>Content</i>	kg	25
<i>Appearance</i>	-	<i>colorless, odorless liquid</i>
<i>pH</i>		4.5 - 6.5
<i>Density</i>	g/cm ³	1.02
<i>Concentration of phosphorous in water (as P)</i>	ppm	< 5
<i>Recommended water hardness min max</i>	°f	2 – 10
<i>Maximum instantaneous temperature</i>	°C	80
<i>Maximum storage temperature</i>		60
<i>Ambient temperature min./max.</i>	°C	5 – 35



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Trattare l'acqua è utile e vantaggioso