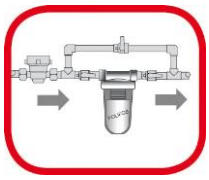
POLIFOS Powder



Conditioning for domestic water circuits
Antiscaling and anticorrosive action

DESCRIPTION:
POLIFOS Powder is used to protect against scale deposits and corrosion, as well as for the gradual restoration of systems, hydraulic circuits, wall boilers, boilers, sanitary and plumbing systems for hot and cold water, cooling circuits, molding machine circuits. Prevents the precipitation of carbonates, in the case of very hard water. Plumbing systems and circuits already encrusted or containing corrosion residues are progressively remediated. However, remediation depends on the system status, on the quality and shape of the encrustations present, as well as on the type of corrosion, its gravity and progress. POLIFOS Powder is a dosed and studied combination of sodium ortho and polyphosphate of purity, prescribed for use in the food industry, usable for the domestic treatment of drinking water, compliant with Ministerial Decree number 25 of 2012, also recommended by the UNI 9182 standards and UNI 8065:2019. The Ministerial Decree 25/2012 specifies that the concentrations of polyphosphate of purity for food use in drinking water and indicated in Presidential Decree 236/88 must **NOT exceed 5 mg/liter** (proportional devices and metering units).

INSTRUCTIONS FOR USE:
POLIFOS Powder can be dosed with WL-DOSP 5-6-7 Facot proportional doser or through metering pumps with proportional dosing, after dilution. For a correct use of the product it is advisable to consider a maximum dosage limit of 7 - 8 g of POLIFOS Powder for every m^3 of water.

For the first charge and for the subsequent refill for the dispenser proceed as follows:

1. Close the shut-off valves and loosen the vent screw.
2. Unscrew the glass using the appropriate wrench.
3. Wash the glass and bellows with clean water.
4. Knead 200 - 250 gr of the product with 70 ml of water, filling the glass with water and slowly adding the powder to the indicated level (MAX LEVEL); mix to make the dough homogeneous until it becomes very thick and then solid.
5. Screw the beaker, paying attention to the correct positioning / crushing of the bellows.
6. Slowly open the shut-off cocks to allow slow contact of the water with the product. When the glass is full of water and it starts to escape from the vent screw, close it.
7. Run water for two minutes and then open the vent screw again to let any air out.
8. The dispenser is ready to operate. To refill the dispenser, use only the original POLIFOS Powder product, suitable.

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TECHNICAL DATA:

Title	85 % min - 95 % max
Title as P2O5	56 % min - 58 % max
Appearance	Fine white granules
Smell	without smell
pH as it is	5,05 ± 0,5
Loss by drying. (1 h 105 °C)	0,2 ÷ 0,3 %
Insoluble (in water)	0,1 % max
Solubility @ 20 °C	15 g/cm³
Density	0,65 ÷ 0,7 g/ml
Fluorides	max 10 ppm
Arsenic	max 3 ppm
Lead	max 5 ppm
Heavy metals	max 20 ppm
Mercury	max 1 ppm
Cadmium	max 1 ppm
Volatile substances	max. 1,0 %

PACKAGES:
Bottle 1 kg (boxe with 12 pieces).

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Frequency of controls checks according to UNI 8065:2019

- Parameters and withdrawal points for annual controls checks:

Type of installation / Analysis and controls	Summer and winter water conditioning	Solar thermal	Sanitary water production	Note
	Withdrawal point	Withdrawal point	Withdrawal point	
Appearance	C	C	A	
pH	C	C	A	
Total hardness	R - C	Not required	A	
Electric conducibility	R - C	Not required	A	
Chemical conditioning	C	C	A	In the case of solar thermal systems, the heat transfer fluid could perform both an anti-freeze and a chemical conditioning function.
Frost Protection	C	C	Not required	Check to be carried out only if frost protection is present.

- Parameters and pick-up points for checks in the event of specific problems (eg. Corrosion) or for further information:

Type of installation / Analysis and controls	Summer and winter water conditioning	Solar thermal	Sanitary water production	Note
	Withdrawal point	Withdrawal point	Withdrawal point	
Iron	C	C	A	Not necessary for installations where presence is excluded.
Copper	C	C	A	Not necessary for installations where presence is excluded.
Aluminum	C	C	A	Not necessary for installations where presence is excluded.
Chloride	R	Not required	A	The check should only be carried out if the chloride content is suspected to be incompatible with the characteristics of the plant components.
	C	Not required	Not required	System water control is required annually only if a water softener is installed in the reintegration circuit.
Microbiological parameters	Variable according to the system characteristics	Not required	Variable according to the system characteristics	In the case of sanitary water, the frequency and the points of withdrawal must be identified on the basis of a risk assessment carried out by qualified personnel following the indications of official documents (for example guidelines for the control and prevention of legionellosis) where relevant.

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Withdrawal points:

A – Feed water upstream of any water treatment
R – Filling and/or replenishment water upstream of any water treatment
C – Circuit water

N.B. For all types of systems it is mandatory to create and keep updated a record sheet of the results of the checks carried out to be included in the plant book DPR 74/13.

The DM 26 of 2015 – Decree minimum requirements

Processing obligations

Hearth power	Hardness below 15 °f	Hardness greater than 15 °f
≤ 100 kW	Filtration + Chemical conditioning	
> 100 kW	Filtration + Chemical conditioning	Filtration + Softening + Chemical conditioning

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