POLIFOS REFILLS

Universal refills for hydrodinamic powder dosers

DESCRIPTION:
POLIFOS Refills in tablet is used to protect against limescale deposits and corrosion, as well as to gradually restore the systems, hydraulic circuits, wall boilers, boilers sanitary and hydraulic systems for hot and cold water, cooling circuits, machine circuits of printing. Prevents the precipitation of carbonates, in the case of very hard waters. Hydraulic systems and circuits already encrusted or containing corrosion residues are progressively restored. However, the restoration depends on the state of the plant, the quality and shape of the incrustations present, as well as the type of corrosion, its severity and state of progress. POLIFOS Refills is a dosed and studied combination of ortho and sodium polyphosphates with purity prescribed for use in the food sector, usable for domestic treatment of drinking water, in compliance with Ministerial Decree n. 25 of 2012, in compliance with the Technical Standard UNI 8065:2019, the latter made mandatory by Ministerial Decree 26 of 2015. DM 27/2012 also states that the concentrations of purified polyphosphate for food use in drinking water and indicated in Presidential Decree 236/88 must NOT exceed 5 mg/lt (proportional devices and dosers).

The quality of the universal polyphosphate tablet for powder dispensers is guaranteed by:

- The quality of water sterilized with an ultraviolet lamp
- The perfect dosage between water and completely automated powder
- The lack of any additives that would affect the food quality of the product
- The transparency of technical data
- Attention to customers who are invited to report any anomalies to us and return the tablets of the non-compliant package so that our laboratory can make the necessary analyses.

INSTRUCTIONS FOR USE:
Each tablet of POLIFOS Refills contains 60 gr of polyphosphate, it is known that to have a good anti-limestone effect it is necessary to measure in water from 3 to 5 mg/lt of polyphosphate. Each POLIFOS Refills is able to treat from a minimum of 15,000 liters to a maximum of 20,000 liters of water with an average hardness of about 25 °f. Considering that a family of three consumes about 200 – 250 liters of hot water a day, a tablet will last on average just over two months. The pack of 6 tablets is in fact designed to meet the hot water needs of an average family for about a year.

TECHNICAL DATA:

Physical aspect	solid, white
Odor	odorless
pH	5,05 ± 0,5
Density	1,771 ± 0,05 g/cm³
Solubility in water	complete
P_2O_5	about 62 %

PACKAGING:
Pack 6 tablets.

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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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