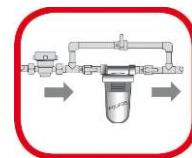


POLIFOS Fluid



Conditioning product for sanitary water circuit with disincrustant and anticorrosive action

DESCRIPTION:

POLIFOS Fluid is a mixture of pure food polyphosphates ready to use, suitable for water with hardness up to 30 °f. POLIFOS Fluid is manufactured according to D. Lgs. 31 of 2/2/2001 laying down the requirements for quality of water intended for human consumption, also the raw materials involved in the preparation comply with the provisions of the UNI EN 1212:2005 inherent sodium polyphosphates and calcium used for the treatment of water intended for human consumption. POLIFOS Fluid can inhibit efficiently corrosion phenomena and also the incrustation formation into the sanitary hot and cold water production and distribution systems, **in accordance with the technical Norm UNI 8065:2019.**

ACTION:

POLIFLOS Fluid maintains clean and efficient the heat exchangers, pipes, taps and fittings, and all the other structure subject to incrustation in hot water systems. Prevents also usual problem of the cold water systems without recirculation, where water is lost.

The product is particularly suitable for healing of old systems already subject to corrosion and incrustation phenomena.

INSTRUCTIONS FOR USE:

POLIFOS Fluid is placed upstream of the hot water system, boiler or exchanger, with the help of a proportional system. The right concentration depends on hardness and water heating temperature.

The DM 25/2012 says that the pure food polyphosphate concentrations into potable water **DOES NOT have to exceed 5 mg/litre (proportional tools and dispensers).**

POLIFOS Fluid is used at a concentration between 5 and 60 g/m³ (equivalent to 0,4 - 4,7 ppm expressed as P₂O₅), according to the hardness and water temperature.

TECHNICAL DATA:

Appearance	liquid, colorless and odorless
Density	1,10 ± 0,05 kg/l
pH	5,05 ± 0,5
P ₂ O ₅	7,8 %
Active principle	about 25 %

PACKAGING:

Bottles 1 Kg, boxes of 12 pieces.

Tanks 25 kg.



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 conductivity	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.



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

Last update: 18.04.2023

