

SLOW PHOS SLOWLY SOLUBLE POLYPHOSPHATE BEADS

GENERAL DESCRIPTION

SLOW PHOS products are a form of slowly soluble polyphosphate available in small, glassy beads. As their name implies, SLOW PHOS products are engineered to dissolve at a controlled concentration to inhibit scale formation and corrosion.

TYPICAL PROPERTIES

Size	3 – 6 mm beads (average)
Density	1.678 g/cm ³ (104.7 lbs/ft ³)
Color	Clear to off-white
Odor	Odorless

PRINCIPLE BENEFITS

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| <ul style="list-style-type: none"> ➤ Scale Prevention
Used to sequester hardness, inhibit precipitation, and formation of deposits. ➤ Corrosion Inhibition
Used to form a protective coating on metal surfaces and provide corrosion protection against acidity, alkalinity, and many other mineral salts which may lead to the "rusting out" of water system pipes and equipment. | <ul style="list-style-type: none"> ➤ Iron Control
Used to sequester dissolved iron up to 10 ppm and prevent the iron from precipitating, staining, discoloring, and distasteful flavor. ➤ Convenience
Offers operator convenience in feeding; only requiring addition of the product at monthly or quarterly intervals; expensive proportioning and feeding equipment is not required. |
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APPLICATION

SLOW PHOS can be fed at different concentrations in order to fit particular treatment situations or requirements. Normally a concentration of SLOW PHOS at threshold levels of 0.5-5.0 ppm polyphosphate will inhibit scale and corrosion.

Industrial Cooling Towers	Evaporative Coolers
Refrigeration Equipment	Coffee Machines
Vending Machines	Food Service Equipment
Air Conditioning Equipment	Water Wells
Water Purifying Equipment	Ice Machines
Water Coolers	Domestic Water Systems
Pre-filter for RO Equipment	

Typical phosphate dissolution rate: 90-180 days.

1. Start with a clean system. Drain and flush the entire system and remove any scale or debris present.
2. Determine the amount and type of SLOW PHOS required. For most water, 0.5 to 1.0 pounds per ton of refrigeration is sufficient. The feeder should be placed in an area where there is good water flow.
3. A proper bleed off system is absolutely essential for proper maintenance of concentrating recirculating water systems. This prevents the build up of mineral salts on equipment surfaces.
4. To increase polyphosphate levels and feed rate, use multiple phosphate cartridges or larger feeder.

NSF Certified

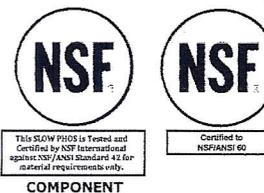
Certified under NSF/ANSI Standard 42 Drinking Water Treatment Units – Aesthetic Effects. SLOW PHOS conforms to the material requirements only. EPA limits the phosphate content of effluent water to 10 mg/L (MUL).

Certified under NSF/ANSI Standard 60 Drinking Water Treatment Chemicals – Health Effects, for use in potable water systems at concentrations up to 14 mg/L (MUL).

RoHS2 Compliant: SLOW PHOS does not contain prohibited substances above the maximum concentration values (MCV) listed in Article 4 and Annex II of the European Union directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (recast), also known as RoHS2.

European Standard EN 1208:2005 Certified: SLOW PHOS is compliant with European Standard EN 1208:2005 for chemicals used for treatment of water intended for human consumption.

REACH Compliance: SLOW PHOS does not contain any chemicals on the REACH SVHC List.



The above information is accurate to the best of our knowledge. Product testing was performed under standard laboratory conditions and actual performance may vary. Since data, safety standards, and government regulations are subject to change and the conditions of handling and use or misuse are beyond Manufacturer's control, Manufacturer makes no warranty, either expressed or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. User should satisfy himself that he has all current data relevant to his particular use.