

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 prevent scale formation and corrosion.

NSF Certified

SLOW PHOS has been certified under ANSI/NSF Standard 42 Drinking Water Treatment Units – Aesthetic Effects, and ANSI/NSF Standard 60 Drinking Water Treatment Chemicals – Health Effects, for use in potable water systems at concentrations up to 10 ppm. Typical dissolution rate: 90-180 days.



COMPONENT
This SLOW PHOS is Tested and Certified by NSF International against NSF/ANSI Standard 42 for material requirements only.



Certified to
NSF/ANSI 60

RoHS Compliant

SLOW PHOS has been certified by NSF as compliant with EU Directive 2002/95 EC on the Restriction of Hazardous Substances (RoHS). SLOW PHOS does not contain prohibited substances listed in Article 4 of EU Directive 2002/95 EC on the restriction in the use of certain hazardous substances in electrical and electronic equipment.

EN 1208:2005 Compliant

SLOW PHOS has been certified by NSF as compliant with European Standard EN 1208:2005 for chemicals used for treatment of water intended for human consumption.

PRINCIPLE BENEFITS

- **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.
- **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.

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
Refrigeration Equipment
Vending Machines
Air Conditioning Equipment
Water Purifying Equipment
Water Coolers
Pre-filter for RO Equipment

Evaporative Coolers
Coffee Machines
Food Service Equipment
Water Wells
Ice Machines
Domestic Water Systems

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. Use 5.0 to 10.0 pounds of beads per feeder. 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.

The above information is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use or misuse are beyond our 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.