

Model 2PF PHOSPHATE FEEDER



PROTECTS WATER COOLERS, PIPING AND ALL WATER SYSTEMS

Filtrine's 2PF Phosphate Feeder is designed to introduce phosphate treatment for controlling lime scale formation, corrosion or red iron staining in water systems. Holds four pounds of phosphate and can treat up to 400 gallons of water per day for corrosion and red iron water and up to 800 gallons per day when lime scale is the problem.

FEATURES

- Can handle flow rates up to 10 gpm
- Equipped with 3/8" FPT connections
- Low pressure drop:
2.5 psi at 5 gpm and 6 psi at 10 gpm
- No tools required for recharging.
- Holds up to 64 ounces of phosphate crystals

WHAT ARE PHOSPHATE CRYSTALS?

A slowly soluble food grade polyphosphate that is effective in controlling corrosion, inhibiting lime scale formation and stabilizing dissolved iron to eliminate "red water". Phosphate crystals dissolve at the rate of about 25% per month. The initial charge should be 1 lb. of phosphate per 100 gallons of water used per day for corrosion and red iron control and 1 lb. per every 200 gallons of water for scale control. Feeder must be recharged to its original fill level each month. Product is NSF-certified.

PHOSPHATE DOES 3 IMPORTANT JOBS

1. Inhibits leaching of heavy metals such as lead
2. Controls corrosion or rusting of water lines
3. Inhibits lime scale formation

SAFE TO USE IN DRINKING WATER AND HARMLESS TO SEPTIC TANKS

Phosphate is made from FOOD GRADE materials and is as harmless as ordinary table salt. Millions of people drink water treated with this type of phosphate every day. The amount of phosphate in a quart of water containing 10 parts per million of phosphate is about 1/500 of the average phosphate requirement of adults. Thus, while phosphates are utilized in plant and animal growth, it is not claimed that phosphate will benefit growth because of the very small concentrations used in the treatment of water. The use of phosphate treated water has no harmful effect on the performance of septic tanks.

EFFECT ON TASTE AND ODOR

Phosphate crystals are tasteless and odorless and will not alter the taste or odor of water. It has no effect on foods when the treated water is used for cooking. If a water has taste or odor, it will still have the same taste or odor after it is treated with phosphate crystals. To correct taste and odor problems an activated carbon filter should be used.

RECOMMENDED TREATMENT AMOUNTS

GALLONS OF WATER TREATED PER DAY	AMOUNT OF PHOSPHATE CRYSTALS*	
	INITIAL CHARGE OUNCES	MONTHLY RECHARGE OUNCES
100	8	2
125	10	2-1/2
150	12	3
200	16	4
400	32	8
600	48	12
800	64	16

* Amount for scale control; where corrosion or red iron staining are problems, use twice the amounts shown above. Recognize that the phosphate feeder holds 48 oz of crystals – limiting water volume to be treated to 400 gallons per day.

INSTALLATION AND MAINTENANCE INSTRUCTIONS

- 1 Do not install where pressure is over 125 psi, where water temperature is over 100°F, or where hot water may back up into feeder.
- 2 Feeder should be protected from freezing and from hot sun.
- 3 Do not use feeder to feed other chemicals without approval.
- 4 Drain water or remove crystals from feeder when not in use for a week or longer.
- 5 For cube ice machines, it is recommended that 1/2 gallon of ice water be bled off for each 10 pounds of ice made.
- 6 When treating water-cooled ice machines, feeder must be installed so that only the water being made into ice is treated.
- 7 To maintain a proper treatment level refer to chart on front of this bulletin.

PHOSPHATE FEEDER SCHEMATIC

