



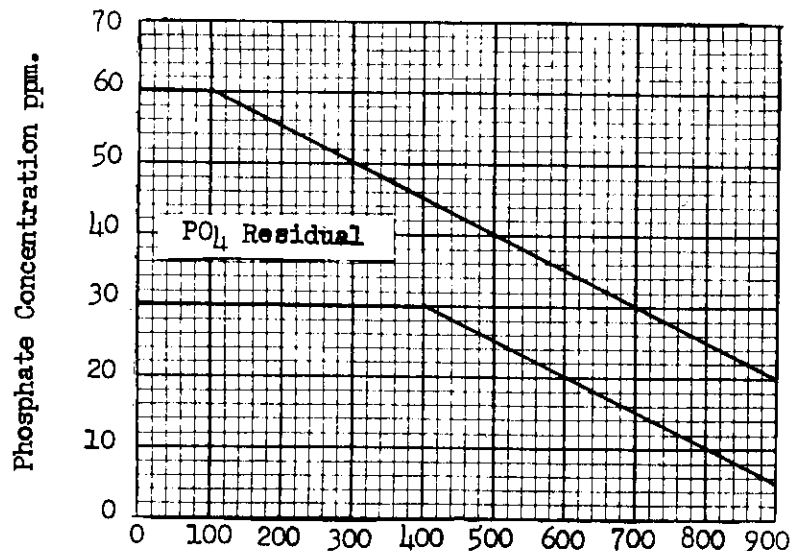
M S T S DOSAGE CHART

EXCESS PHOSPHATES (PO₄)

To increase the Phosphate concentration in the boiler water 5 ppm, use the indicated ounces below, of the product you are using.

	Boiler Water		Makeup Water @ 1 gpg Hardness	
	1000 Gal	1 Ton	1000 Gal	1 Ton
Magnufos	1 oz.	0.25 oz.	2.3 oz.	0.6 oz.
Magnatrol #16	1 oz.	0.25 oz.	2.3 oz.	0.6 oz.
Magnatrol #9	2 oz.	0.50 oz.	4.6 oz.	1.2 oz.
Magnus #1	3 oz.	0.75 oz.	6.9 oz.	1.8 oz.

To decrease Phosphate (PO₄), increase blowdown.



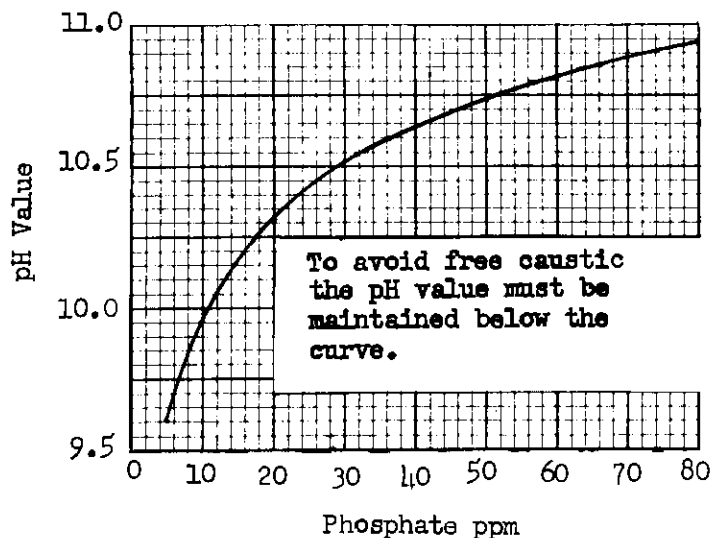
Maintain Phosphate concentration between minimum and maximum as indicated above.

COORDINATED PHOSPHATE SYSTEM
Prevents Caustic Attack

To increase Phosphate 5 ppm and decrease pH, use Magnufos at 1 oz. per 1000 gallons boiler capacity, or 0.25 oz. per ton of boiler capacity.

To increase Phosphate 5 ppm and increase pH, use Magnus #1 at 3 oz. per 1000 gallons boiler capacity, or 0.75 oz. per ton of boiler capacity.

To decrease Phosphate and pH, increase blowdown.



NOTES ON PHOSPHATE TREATMENT

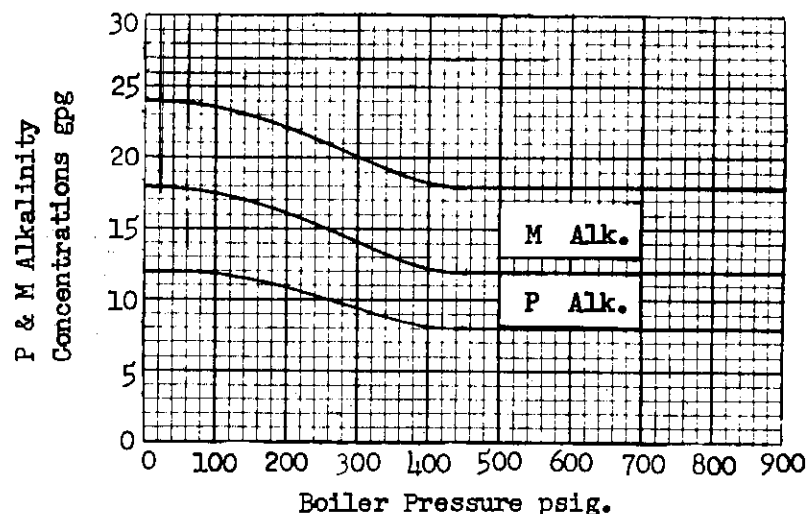
When acid Phosphates are required, use Magnufos A. Dosage is the same as Magnufos. Colloids #1 (neutral) or Colloids #3 (alkaline) must be used at 1/2 to 1 pound per pound of Magnufos. Maintain pH of boiler water between 10.5 and 11.9, when using all treatments except the Coordinated Phosphate system.

CONDENSATE TREATMENT	LIMITS FOR TOTAL DISSOLVED SOLIDS	
	Pressure psig.	Dissolved Solids ppm
If pH of condensate falls below 7.0 pH value increase	0-300	3500
Volisolve or	301-450	3000
Volisolve B.	451-600	2500
	601-750	2000
	751-900	1500

P & M ALKALINITY

To increase P & M Alkalinity concentration in the boiler water 1 gpg, use the indicated ounces below, of the product you are using.

	Boiler Water	
	1000 Gal	1 Ton
Colloids #3	6 oz.	1.5 oz.
Magnatrol #15	2 oz.	0.5 oz.

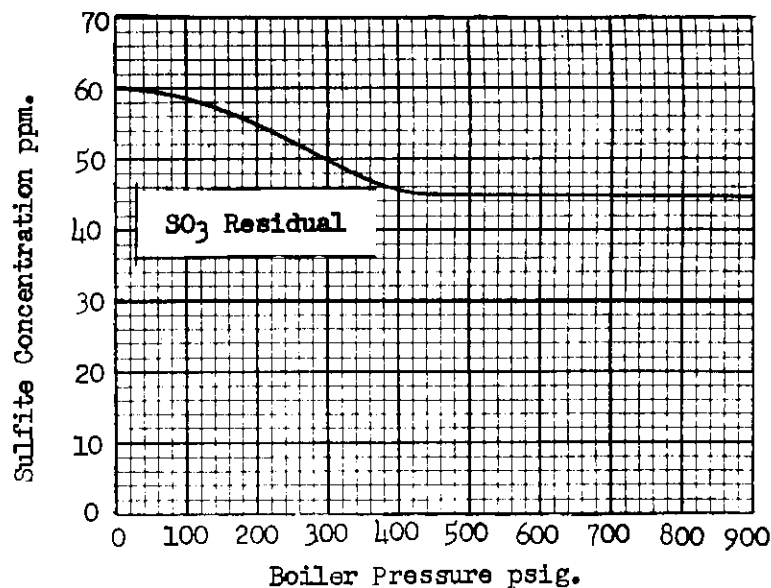


Maintain P & M Alkalinity concentration between minimum and maximum as indicated above.

SODIUM SULFITE

To increase the Sulfite concentration in the boiler water 5 ppm, use the indicated ounces below, of the product you are using.

	Boiler Water	
	1000 Gal	1 Ton
Magnox	0.75 oz.	0.20 oz.
Magnatrol #9	3.75 oz.	1 oz.



Maintain Sulfite concentration between minimum and maximum as indicated above.

BLOWDOWN

