



## Hardness Control(DM-5)

Hardness Control is a highly soluble, dry powder product used for the reduction of hardness in boilers. It will precipitate calcium hardness as a non-adherent sludge.

- Highly active phosphate based compound
- Easily dissolved in water for dosing
- Scale problems due to calcium are eliminated
- Maintains sludge in a non-adherent state for removal by blow down
- Simple test to determine level of treatment
- Can be used for boilers of all pressures
- Hardness Control does not influence the alkalinity in the system

### Directions for use

Hardness Control is formulated to form a precipitate with calcium ions which will not adhere to metal surfaces but are in a form suitable for blowdown.

**Dosing and control** For optimum results dose Hardness Control direct to the boiler via the bypass pot-feeder. The dry powder should be dissolved in hot water (50°C) at a ratio of 1 part powder to twenty parts condensate (e.g. 500 grams/10 litres). Ensure that treatment is fully dissolved before dosing.

Phosphate test result ppm PO<sub>4</sub>

Pressure	Control range	0-20	20-30	30-40	40-50	50-70	>70
<18bar	30-70ppm	Increase dose by 25%	Increase dose by 25%	Satisfactory	Satisfactory	Satisfactory	Reduce dose by 25%
18 to 31bar	30-70ppm	Increase dose by 25%	Increase dose by 25%	Satisfactory	Satisfactory	Satisfactory	Reduce dose by 25%
31 to 42 bar	20-50ppm	Increase dose by 25%	Satisfactory	Satisfactory	Satisfactory	Reduce dose by 25%	Reduce dose by 25%

Select row on left hand side for applicable pressure range. Compare test result with comment in table and adjust dose rate accordingly.

These are recommended values based on experience and are in no way intended to replace the boiler manufacturer's specifications or company regulations.



IMS  
ISO 9001,14001,18001

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