

KEM-FOS-L

Product Code: Q00014
Product Group: BOILER WATER TREATMENT
Packaging: 25L

PRODUCT DESCRIPTION

KEM-FOS-L is a liquid compound containing alkaline mineral salts, sequestering agents, dispersants, sludge conditioners and volatile amines which provide scale, corrosion and condensate control for low pressure boilers.

Always combine KEM-FOS-L with OXYAMINE (oxygen scavenger and corrosion inhibitor), to obtain the most modern, safe and effective boiler water treatment program.

PRODUCT USES

KEM-FOS-L is suitable for all auxiliary boilers, waste heat units, low-pressure water tube boilers, smoke and water tube boilers, steam/steam generators etc.

APPLICATION, DOSAGE & CONTROL

For an untreated system an initial dose of 2,5 liters of KEM-FOS-L per 1000 liters of untreated water is recommended. Thereafter the dosage rate of KEM-FOS-L is based on "P" alkalinity measured in ppm of CaCO₃. The following chart indicates the appropriate amount of KEM-FOS-L to be added (the midpoint value is circled).

"P"Alkalinity ppm CaCO ₃	0	50	100	150	200	225	250	300	350	400
KEM-FOS-L L/1000 L	2,5	1,9	1,3	0,7	0	0	0	0	0	BLD

KEM-FOS-L is best fed continuously to the boiler feed water by means of a metering pump.

The recommended control limits are:

- p-Alkalinity: 100-300 ppm CaCO₃.
- Chlorides: 200 ppm Cl max.
- Condensate: pH 8.3-9.0.
- Phosphate: 10-80 ppm.
- DEHA: 0,1-0,4 ppm.

Blowdown (BLD) and scumming operations must proceed at regular intervals to remove sludge/sediment particles. Excessive chlorides are removed by blowdown.

BENEFITS

- Suitable for all boilers, up to 32 bar pressure, auxiliary boilers; waste heat units; economisers; package boilers; smoke and water tube boilers, up to 16 bar pressure
- Contains volatile amines to neutralize acids occurring in condensate system.
- Prevents corrosion.
- Provides scale inhibition.
- Easily removed sludge by blowdown, thanks to suspension.
- Heating surfaces maintained at optimum thermal conditions.
- Keeps boiler tube surfaces clean, promoting the best heat transfer conditions.



HEALTH SAFETY

Please refer to the Material Safety Data Sheet and Product Label for specific information.

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