

Water Treatment.

BWT-ONE SHOT

Complete Boiler Water Treatment for Low Pressure Boiler Systems Reliable Boiler Protection Through Alkalinity Control, Scale Suppression & Corrosion Inhibition.

DESCRIPTION & APPLICATIONS:

A Concentrated liquid boiler water treatment formulated for low-pressure marine boiler systems. The product contains a balanced combination of alkaline mineral salts, sequestering agents, sludge conditioners, scale inhibitors, and corrosion inhibitors to maintain optimal boiler water conditions. Continuous treatment helps control boiler pH, suppress scale formation, and minimize corrosion, thereby contributing to cleaner heat-transfer surfaces and improved boiler efficiency. For complete boiler protection, BWT-ONE SHOT should be used in conjunction with Oxygen Scavenger and Condensate Control treatments. Applications include auxiliary marine boilers, waste-heat boilers, exhaust-gas boilers, and low-pressure steam-generating systems. Feedwater treatment program

FEATURES & BENEFITS:

- Specially formulated liquid treatment for low-pressure boilers.
- Controls and maintains boiler pH and alkalinity.
- Prevents hardness scale formation.
- Provides corrosion protection.
- Helps maintain clean boiler surfaces.
- Easy to use and dose.
- Suitable for routine boiler treatment programmes.
- Supports efficient boiler operation and reliability.

DOSAGE & CONTROL PROGRAM:

Initial Dosage

System Condition	Dosage Rate
Untreated Boiler System	1.0 L per 1,000 L of Boiler Water

Allow the boiler water to circulate, then test the P-Alkalinity level before adjusting the treatment dosage. Analysis should be carried out using Boiler Water Test Kits.

Maintenance Dosage

P-Alkalinity Result	Treatment Action
Below 100 ppm	Increase dosage
100 - 200 ppm	Maintain dosage
Above 200 ppm	Carry out blowdown and re-test

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Manufacturing & Sales: Fujairah, UAE | Athens, Greece

Marine and industrial chemicals supplier worldwide.

CERTIFICATIONS & MARINE SUPPLY NETWORKS

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TYPICAL PROPERTIES:

Property	Typical Value
Appearance	Clear Liquid
Odour	Mild Characteristic
Solubility	Completely Miscible in Water
Application	Low Pressure Boilers
Dosing Method	By-pass Feeder or Hot Well

RECOMMENDED WATER CONTROL LIMITS:

Observation	Recommended Action
Low P-Alkalinity	Increase BWT-ONE SHOT dosage
High Chloride Level	Carry out top and bottom blowdown
Boiler pH Below Control Range	Adjust treatment dosage
Low Condensate pH	Increase condensate treatment
Low Oxygen Scavenger Residual	Increase oxygen scavenger dosage

RECOMMENDED WATER CONTROL LIMITS:

Parameter	Recommended Range
Boiler pH	9.5 - 11.0
P-Alkalinity	100 - 200 ppm as $CaCO_3$
Ideal P-Alkalinity	150 ppm
M-Alkalinity	Less than 2 × P-Alkalinity
Boiler Chlorides	Maximum 90 ppm
Condensate pH	8.0 - 10.0
Oxygen Scavenger Residual	0.8 - 1.5 ppm

TREATMENT PROGRAMME COMPATIBILITY

For complete boiler system protection, BWT-ONE may be used in conjunction with:

- Oxygen Scavenger
- Condensate Control
- Hardness Control
- Alkalinity Control

STORAGE AND HANDLING:

Store in tightly closed original containers in a cool, dry, and well-ventilated area away from direct sunlight and excessive heat.

SHELF LIFE:

24 Months from date of manufacture when stored under recommended conditions.

STANDARD PACKING:

- 25 L HDPE Containers

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