Boiler Water Treatment: Hot Water Boiler

**NOTE**

This is only an Example. Values Indicated here must not be the actual control parameters for a real system.

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**Flow Diagram**

1. **Katalox Light**
   - Catalytic Filtration, providing neat and clean water

2. **SP3 System**
   - Filtersorb SP3 System for bicarbonate scale prevention

3. **ISOFT ON**
   - Dosing for Boiler water to prevent anionic scaling, corrosion with the mix of non-volatile oxygen scavenger

4. **Cold Water return**
   - Hot Water to application

**Dosing Rate:**

- 40 – 120 ml of 5% strength diluted solution (2 – 6 mg/L of solid product) for each cubic meter (1000 liters) of water. Proportional Dosing is only when the water is fed in the boiler. See detail on the Technical Datasheet.

**Blowdown if:**

- If max pH > 8.5
- If Sulfite > 50 mg/L
- If Conductivity > 1300 μS/cm
- If P-Alkalinity > 550 mg/L

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Boiler Water Treatment: Steam Boiler

Katalox Light
Catalytic Filtration, providing neat and clean water

SP3 System
Filtersorb SP3 System for bicarbonate scale prevention

Storage Tank

ISOFT OV
Dosing for Boiler water to prevent anionic scaling, corrosion with the mix of Volatile oxygen scavenger

Steam to application

Process

Feed Water

Steam Boiler

Blow down

Blowdown
• If max pH > 8.5
• If parameters (TDS, pH, Alkalinity etc) exceeds Boiler Manufacturer defined limits

Condensate Return

Control Parameters

Dose
• If max pH < 7.8
• If iron > 1mg/L

Dosing rate:
40 – 120 ml of 5% strength diluted solution (2 – 6 mg/L of solid product) for each cubic meter (1000 liters) of water. Proportional Dosing is only when the water is fed in the boiler. See detail on the Technical Datasheet