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.

Diagram:
- **Katalox Light**
  - Catalytic Filtration, providing neat and clean water
- **SP3 System**
  - Filtersorb SP3 System for bicarbonate scale prevention
- **ISOFT ON**
  - Dosing for Boiler water to prevent anionic scaling, corrosion with the mix of non-volatile oxygen scavenger

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

www.watchwater.de
Boiler Water Treatment: Steam Boiler

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

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

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

3. **ISOFt OV**
   - Dosing for boiler water to prevent anionic scaling, corrosion with the mix of volatile oxygen scavenger

4. **Steam Boiler**

**Control Parameters**
- Blowdown
  - If max pH > 8.5
  - If parameters (TDS, pH, Alkalinity etc) exceed Boiler Manufacturer defined limits

**Dosing**
- **Blowdown**
  - If max pH < 7.8
  - If iron > 1 mg/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.

**Storage Tank**

**Process**

**Steam to application**
**Feed Water**
**Control Parameters**

www.watchwater.de