

# Boiler Water Treatment

## Preventive Solutions and Complete Treatment Programs

Corrosion, scaling and deposition can reduce the operating efficiency of the boiler and all the systems connected to the water/steam cycle of the boiler. It will reduce heat transfer rates, cause equipment and piping failure, and increase fuel costs. Hydrex™ is one tool Veolia Water Solutions & Technologies offers to prevent these problems.

Hydrex™ range offers the 1000 Series of high performance chemical formulations for high pressure boilers, medium and low pressure boilers, and hot water generators.

- Small < 8 T/hr (17,000 lb/hr) steam
- Medium: 8 to 115 T/hr (17,000 lb/hr to 250,000 lb/hr)
- Large > 115 T/hr (250,000 lb/hr)

### Hydrex™ 1000 SERIES

- Corrosion inhibitors
- Resin cleaners
- Antifoams
- Descalants
- Dispersants

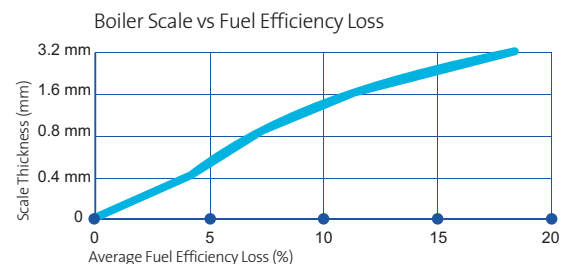


## A global offer

Our industrial water treatment specialists can provide you with efficient boiler feed water pretreatment technologies such as:

- Reverse osmosis to reduce chemical demand and reduce scaling and corrosion risk
- Softeners for lower pressures systems
- Demineralization for high pressure systems

Scale Thickness in mm	Fuel Loss %
0.4	4 %
0.8	7 %
1.6	11 %
3.2	18 %



Hydrex™ products are especially formulated to optimize the operation of boilers:

- Internal treatment with control of scale forming minerals, sludge conditioners, pH and oxygen scavengers
- Condensate steam treatment with Hydrex™ specialty chemicals

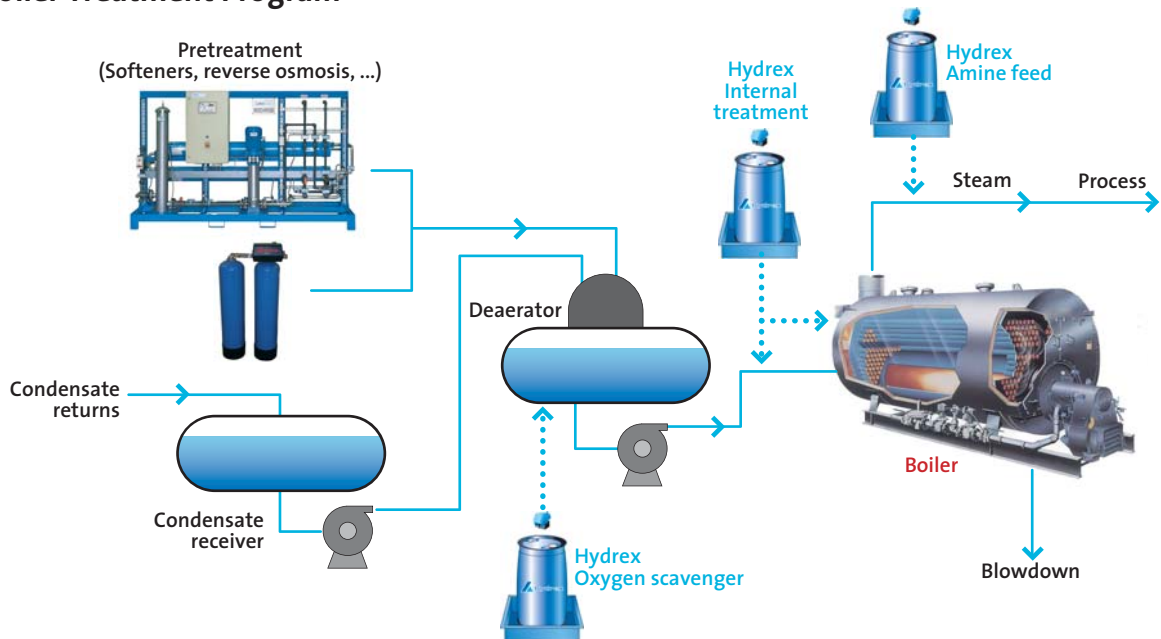
Industrial heating is one of the largest industrial uses of water and can require a large volumes. Veolia Water Solutions & Technologies also develops efficient water reuse solutions to produce large volumes of cost effective boiler feed water.

## A Global Packaged Offering for Boiler Water Treatment

- >>> Enhancing / restoring efficiency of boilers
- >>> Maintaining boiler integrity
- >>> Ensuring safe and cost-effective operation

Veolia Water Solutions & Technologies can provide you with an efficient and complete boiler treatment program, including Hydrex™ 1000 Series, the high performance chemical product line for boiler and heating applications.

### Boiler Treatment Program



**Hydrex™ is available worldwide**

Contact your local Veolia representative for more information.

