

QUESTIONNAIRE No _____
STEAM BOILER AND CONDENSATE WATER TREATMENT

1. General information about the consumer:

Company:	
Address:	
Name, position of responsible person:	
Tel./fax:	
E-mail:	
Date:	

2. Information about the boilers (type and brand):

Fire tubes boiler	<input type="checkbox"/>
Water tubes boiler	<input type="checkbox"/>
Steam generator	<input type="checkbox"/>
The total number of boilers, units	
The number of boilers operating at the same time, units	

3. Problems:

Scale	<input type="checkbox"/>
Corrosion	<input type="checkbox"/>
Condensate return line corrosion	<input type="checkbox"/>
Steam quality	<input type="checkbox"/>
Other	

4. Technical characteristics of the boilers:

Operating pressure, Bar	
Operating temperature, °C	
Steam production, ton/h or ton/month	
Quantity of feed water, m³/h or m³/month	
Percentage of condensate returned, %	
The mode and control parameter of blow down	
Presence of the deaerator, the water temperature in the deaerator or in the feed water tank, °C	
Presence of flow meter on the feed water line, possibility to receive a pulse or analog signal	
Type of materials in condensate pipeline (steel, copper, brass ...)	

The length of the condensate pipeline, m	
The occurrence of a steam contact with food	
Particular requirements for quality of steam	
Present chemical water treatment	

5. Water treatment scheme

Mechanical filtration	
Deironisation	
Softening	
Decarbonisation	
Demineralization/Reverse osmosis	

6. Water parameters:

Parameters	Feed water		Boiler water		Condensate	
	meq/l	ppm	meq/l	ppm	meq/l	ppm
Total hardness						
P-alkalinity						
M-alkalinity						
Chloride (Cl⁻)						
Carbon dioxide CO₂						
Residual oxygen (O₂)						
Silica (SiO₂)						
Phosphates (PO₄³⁻)						
Sulphites (SO₃²⁻)						
Iron (Fe³⁺)						
Copper (Cu²⁺)						
pH						
Conductivity μS/cm						

Please send the filled questionnaire by mail: info@in-eco.biz. Thank you.