

## ABR-E ARALSAN ELECTRIC STEAM BOILER

### GENERAL



Designed for producing steam by using electricity specially where chimney installation difficult is.

ALL IN ONE type package steam boiler including its all necessary equipment  
Ready to use after making of connections (water, steam, electricity)  
Certified according to 2014/68/EU PED directive and delivered with CE sign  
User friendly control panel easy operation

### CAPACITY RANGE

Manufactured according to customer request at the capacity ranging from 10 kg/h steam to 15 000 kg/h steam and at the operation pressure ranging from 0.5 bar to 30 bar.

### ALL IN ONE

Package delivery with its all necessary operation and safety equipment

Boiler body	Air-went valve
Control panel	Bottom blowdown valve
Nice operation instruction	Surface blowdown valve
Electric heaters made from AISI 316 stainless steel tubes.	Water level controller
Integrated condensate tank	Water level gauge
Boiler feed pump	Pressure controller
Pump valves, check-valve, air-went valve, pressure gauge	Pressure gauge
Main steam valve	Condensate tank valves and water level gauge
	Condensate tank water level control electrodes

### SAFETY PROPERTIES

Safe operation with high efficiency

Safety valves	Pump sub pressure controller
Safety pressure controller	Pump super pressure controller
Low water level electrodes	Overload protection system for pump moto
High water level electrodes	Phase protection relay
Condensate tank low level control electrodes	Alarm light and buzzer
Steam temperature controller	

## OPTIONAL ACCESSORIES

<i>Modulating water feeding system</i>	<i>Integrated deaerator</i>
<i>Automatic bottom blowdown</i>	<i>Hot water exchanger</i>
<i>Automatic surface blowdown</i>	<i>Steam head</i>
<i>Steam flowmeter</i>	<i>Steam separator</i>
<i>Steam flow rate adjustment system</i>	<i>Modulating pressure control with thyristor</i>
<i>Water softener</i>	<i>PLC control panel</i>
<i>Feed water dosage pump</i>	<i>Remote monitoring and remote control</i>

## OPERATION FEATURES

- Full automatic working*
- Automatic heater control according to steam pressure*
- Safety operation*
- Automatic control of each boiler parameter separately*
- High efficiency*
- Environment friendly operation*
- No flue gas emission*

## MANUFACTURING FEATURES

- Manufactured with high quality certified boiler sheet in accordance with EN 12953*
- High quality welded or seamless boiler tubes certified according to pressure group*
- Vertical placement of electric heaters made from AISI 316 stainless steel*
- All welds are made by welders certified in accordance with EN 9606-1*
- All welds are controlled by NDT technicians and UT test is applied to a certain percentage of them [\*]*
- Whole body is painted double coat with heat resistant paint*
- Insulated with rock wool and cladded with painted sheet*
- Handhole on it offers easy cleaning of water side*
- Mounted on power pedestal*
- ARALSAN's warranty extendable up to 5 years*

[\*] NDT tests are applied if the CE certificate is required by the customer.