

## STANDARD EQUIPEMENT FOR MODEL CEJW

### Mechanical (Base)

- Pressures vessel, A.S.M.E design, CRN – pressure vessel registration certificate
- Complete assembled Power feeds and Internal parts
- Boiler actuator and capacity control system
- Manhole 14 x 18 inches
- Sheet metal jacket and thermal insulation
- Cage surrounding high voltage connections

### Mechanical (Heating loop design)

- Vertical Inline Centrifugal pump(s)
- Heat-exchange, water to water Expansion tank

### Plumbing (Base)

- Safety valve(s)
- Manual blowdown and drain valve
- Automatic air vent

### Plumbing (Heating loop design)

- Butterfly isolating valves, for boiler, heat-exchanger and centrifugal pump
- Piping for the loop
- Y strainer, located on the pump suction pipe
- Make up water system, connected to the Expansion tank-including pump, y strainer, check valve and two isolating gate valves
- Chemical feed fitting, located on the pump suction pipe equipped with an isolating gate valve

### Electrical

- Neutral terminal
- Electrode terminal enclosures
- Electrodes
- Circulation pump motor and motor starter

### Control

- Free standing control panel
- Pre-programmed electronic processor
- Shield position indicator
- Boiler pressure gauge
- Boiler temperature gauge
- Operating temperature control
- High temperature limit
- High conductivity detection
- Temperature transmitter
- Water flow switch
- Low water level detection

### Optional items

- Supply circuit protective relays
- Supply circuit switchgear
- Special valves
- Special instrumentation
- Chemical feed systems
- Water treatment equipment

*The information in this bulletin is a general description of the units. All specifications are subject to change without notice. Installation, maintenance, operating and any other instructions furnished with the equipment must be carefully followed by installers, owners and users.*

### **Shipping**

Models CEJW series

The unit must be laid down for shipment requiring some disassembly. Valves, trim, water level controller, electrodes and actuator will be removed for shipping and require field installation. Units may then be field connected to feedwater, electric power and control panels.

### **Water Treatment**

All boilers require adequate water quality as determined by conductivity, pH, softness and chemical content. The type and degree of water treatment will be determined by local water quality, type of boiler, nature of operation, and quantity of raw make-up water required.


It should be noted that the conductivity of the boiler water, alkalinity, pH and chemical content increases as steam is generated.

Most water supply systems are suitable for use with ACME Electrode Boilers when supplied with proper water treatment. A complete water analysis must be furnished to ACME for review in order to assure proper water quality.


### **ACME Immersed Electrode Boilers for every application**

These Immersed Electrode Boilers have unlimited application possibilities wherever a need for process or space heating exists. A partial list of possible uses includes:

- Office and apartment building
- Hospitals, schools, hotels
- Food processing
- Clothing and textiles plants
- Industrial plants
- Mining operations
- Power plants

 **Electrical requirements:** CEJW boiler can be connected directly on the high voltage power distribution network. Any voltage up to 13.5 KV, 3 phases, 3 wires and centerline grounded line.

The boiler shell and cage must be grounded to the building steel and ground mat.

 **Guarantee:** All our Immersed Electrode Boilers are guaranteed for one year against defective workmanship and material. Guarantee limited to replacement of defective parts only, when returned, prepaid, to the factory. Copy of guarantee available on request.