

STANDARD EQUIPEMENT FOR MODEL CEJS

Mechanical

- Pressures vessel, A.S.M.E design, CRN – pressure vessel registration certificate
- Manhole 14 x 18 inches
- Sheet metal jacket and thermal insulation
- Boiler circulation pump
- Water column and sight gauge
- Cage surrounding high voltage connections

Plumbing

- Steam valve, stop and check
- Back pressure regulating valve, pneumatic
- Safety valve(s)
- Surface blowdown valves
- Chemical feed fitting
- Modulating feedwater valve, pneumatic, with stop vale and check valve
- Flow control valve for conductivity sampling line
- Boiler blowdown vale(s)
- Boiler vent line
- Sample cooler

Electrical

- Neutral terminal
- Electrode terminal enclosures
- Electrodes
- Circulation pump motor and motor starter
- Ground terminal
- Stand-by heater

Control

- Free standing control panel
- Pre-programmed electronic processor
- Shield position indictor
- Boiler pressure gauge
- System pressure gauge
- Operating pressure control
- High pressure limit
- Water level controller, pneumatic
- Back pressure controller, pneumatic
- High and low water cut-offs

Optional items

- Supply circuit protective relays
- Supply circuit switchgear
- Special valves
- Special instrumentation
- Chemical feed systems
- Steam separators
- Water treatment equipment
- Higher steam pressures
- Superheater
- Separator
- Deaerator
- Feed water system
- Blowdown tank
- Heat-exchangers, steam to water or water to water
- Heat recovery system

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 CEJS series

The unit must be laid down for shipment requiring some disassembly. Valves, trim, water column, water level controller, electrodes and circulation pump will be removed for shipping and require field installation. Units may then be field connected to feedwater, blowdown, steam lines, electric power and control panel.

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. This can normally be controlled by an automatic surface blowdown of the boiler.


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

ACME THERM Electrode Boilers for every application

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

- Office and apartment buildings
- Hospitals, schools, hotels, motels
- Restaurants and food processing
- Clothing and textiles plants
- Industrial plants
- Plastic and chemical plants
- Utilities
- Power plants

 **Electrical requirements:** CEJS boilers are designed for use on 3-phase, 4-wire grounded neutral system ONLY and require a neutral connected to the boiler shell. The boiler shell and cage must be grounded to the building steel and ground mat.

 **Guarantee:** All our 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.