

SURFACE CONDUCTIVITY CONTROLLER SUGGESTED SPECIFICATION

Specifier Note: to use as a project specification;

- A. Insert, in the blank spaces provided, the applicable model number, capacity, fuel and electrical data.
- B. Delete the items in parentheses or marked "*" which are not applicable to the project requirements.
- C. Insert, where applicable, optional non-standard features desired.

SPECIFICATION

Furnish one (1) Surface Conductivity Controller and furnished by Burnham Commercial for monitoring and controlling total dissolved solids (TDS) through surface blowoff using conductivity measurement and automatic surface blowoff via intermittent sampling. The controller shall have an adjustable interval timer that opens an electric solenoid valve to sample boiler water conductivity. A probe installed in the blowoff piping shall determine the TDS levels in the water sample and shall close upon acceptable readings or shall remain open until acceptable readings are obtained. Upon recognition of high TDS, the controller shall signal the chemical feed system.

The controller shall have the capability to store conductivity and temperature values, water usage, relay status and user settings. A USB memory stick is all that shall be required to extract information.

The controller and probe shall complete with a (1/2" solenoid valve rated for 125 psi, 3/4" solenoid rated for 250 psi). An isolating gate valve and an adjustable flow metering valve shall be installed in the blowoff piping all as recommended and furnished by Burnham Commercial.

Burnham Commercial
Lancaster, PA