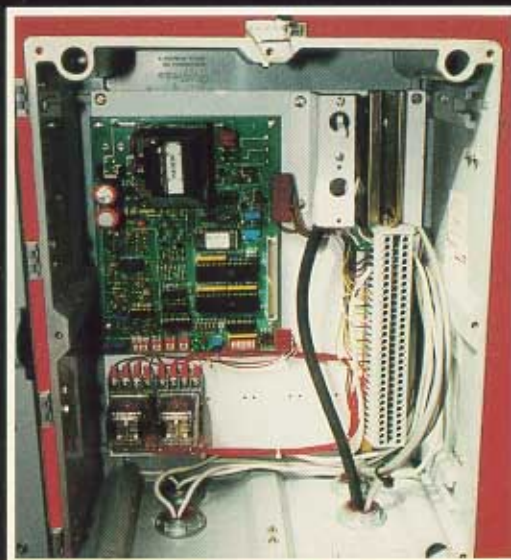




Diamond Power Specialty Company

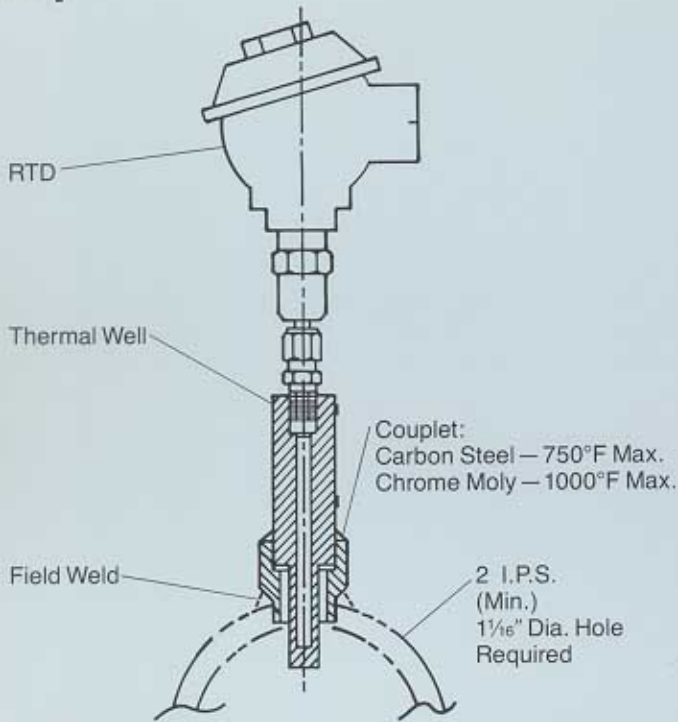
Babcock & Wilcox
a McDermott Company



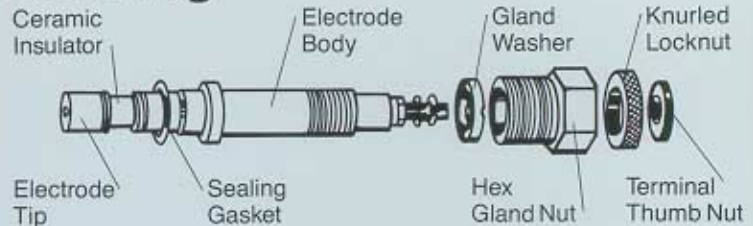
Condensate Drain Controller
For Sootblower Piping Drains

A revolutionary approach to control condensate in sootblower piping drains.

Piping Header Resistance Temperature Detector (RTD)

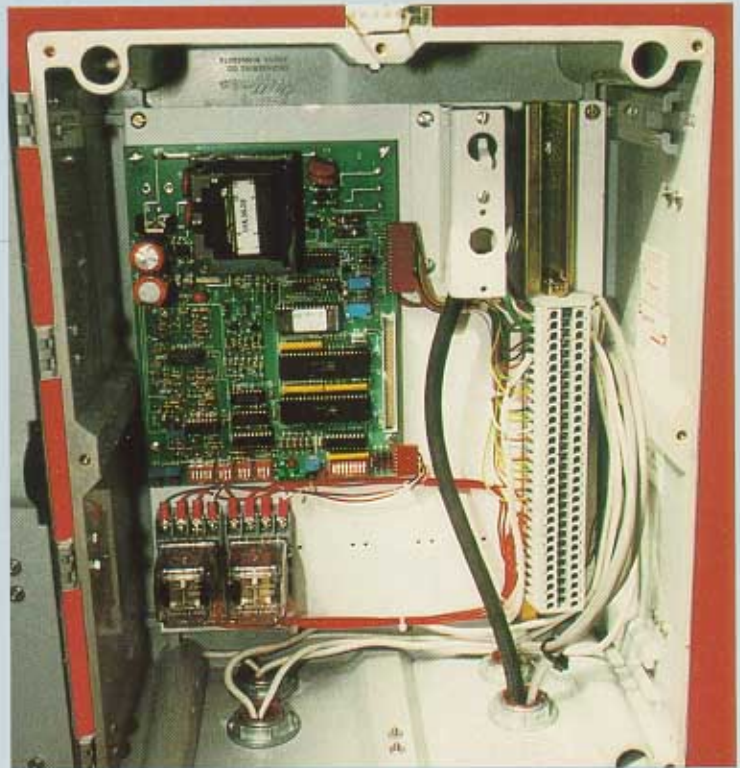


Conductivity Electrode Mounting



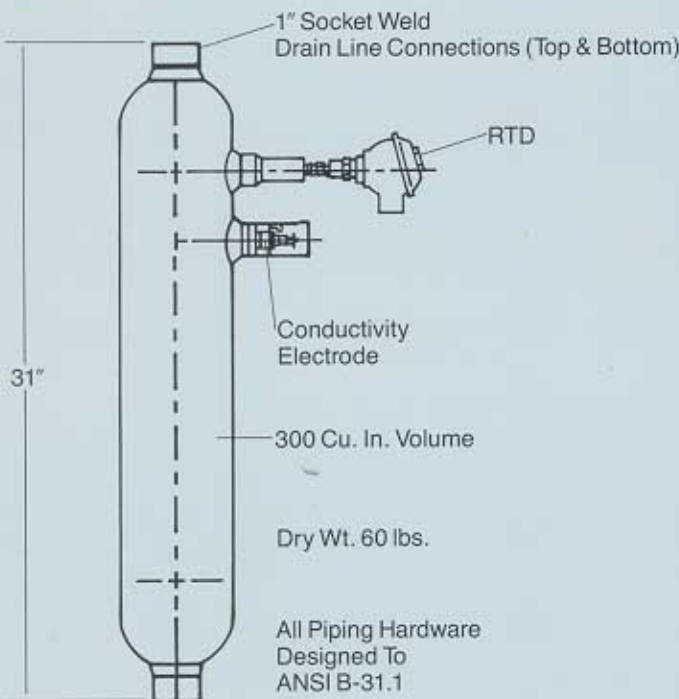
The electrode is sealed to the drain pot by a flexible graphite gasket, which is preloaded at installation with a gland nut/washer assembly. This mounting configuration eliminates the exposure of the mounting threads to the steam/condensate, providing easy service or replacement.

Control Unit



- NEMA 4X Enclosure
- Size 18" x 12" x 8"
- Circuitry 80° C Temp. Rating
- Analog Output (RTD Only) 4-20 ma, 0-10 volts, 1-5 volts
- Annunciator Relay Contact Form C, DPDT For Open Drain Over 16 Min.
- Sootblower Panel Interface Or Direct Drain Valve Control
- Adjustable (1-15 min.) Warm-up Time
- Adjustable Sensitivity 1-100 micro-mho (Electrode only)
- Adjustable Temperature Range (0°-1000°F) (RTD Only)

Drain Pot

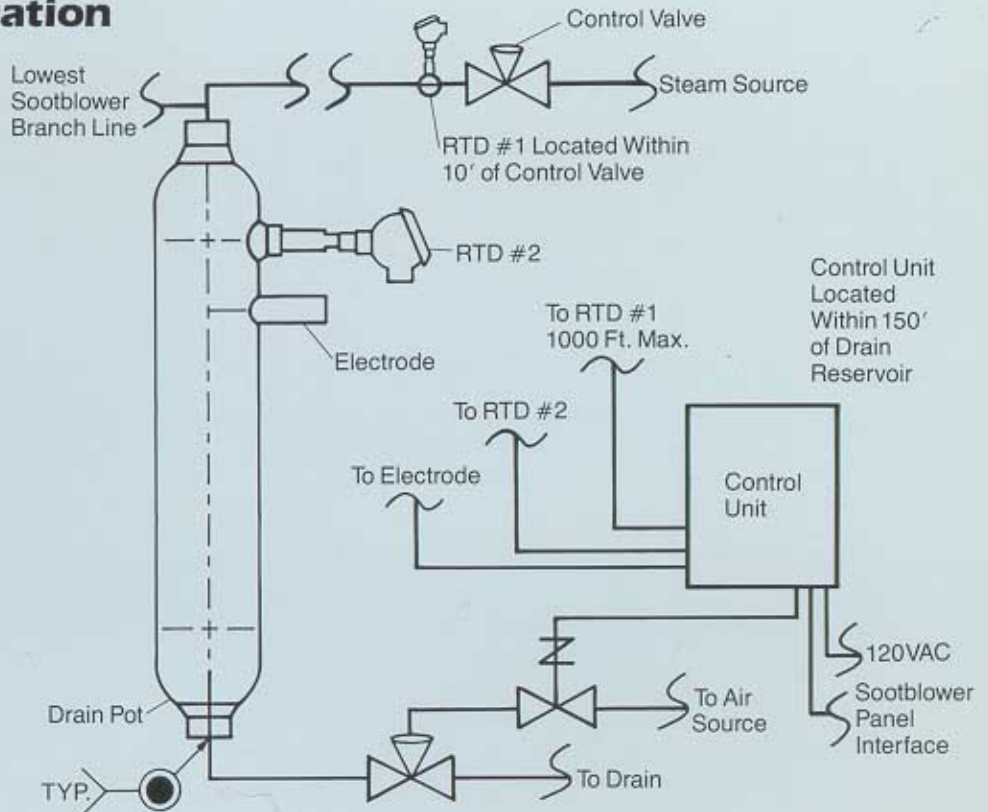


Applications

Superheated Steam Application

1100 PSIG @ 750°F*

By utilizing an electrode and temperature sensing detector (RTDs), condensate accumulation can be removed while maintaining superheated steam by controlling the drain valve to warm the header.



*Configuration Available To 1000° F

Saturated Steam Application

1100 PSIG

An electrode is used to detect the level of condensation accumulation within the drain pot. The control unit opens the drain valve to purge the condensate. The valve is closed by an adjustable timer.

