For condensate contamination detection (CCD) select the CP10 conductivity probe and BC3250 controller.

The control system monitors and displays the conductivity of condensate being returned to the boiler and diverts contaminated condensate to drain.

Steam is an extremely efficient way of transmitting energy, and is used for many industrial processes.

When steam has given up its heat to the process, the remaining hot condensate, ideally, should be returned to the boiler feedtank.

There are significant benefits to be gained from installing a CCD system:
- Saving water.
- Saving residual heat in condensate.
- Saving on expensive water treatment chemicals.

It is essential to ensure that the condensate is clean, even low levels of contamination can cause foaming, scaling or corrosion. Continuous condensate contamination monitoring can protect the boiler, ensure product quality and maximise energy and water savings.

The CCD system comprises of:
- S20 sensor chamber.
- CP10 conductivity sensor.
- TP20 temperature probe.

Key features:
- Avoids boiler damage and product contamination.
- Can sense conductivities down to 1 µS/cm at 25°C.
- Condensate temperature compensation for greater accuracy.
- Isolated 0-20 mA or 4-20 mA output.
- Inbuilt, infrared communications port.
- Modbus EIA (RS) 485 for external communications.
- Versatile mounting options: DIN rail, Panel or Chassis.
- Switchable alarm latch.

Associated products:
- SCS20 sample cooler systems.
- MS1 portable conductivity meter.
- DS1000 remote digital display unit.
- DCV2 check valves.
- Stop valves.
- Electrically actuated valves.
- Pneumatically actuated valves.