

ProMcon 500 series Conductivity Controller

The ProMinent® series 500 Conductivity Controller is designed to control the TDS levels of tower cooling water. When the conductivity probe senses the TDS level exceeds the set-point the bleed solenoid is opened allowing high TDS water to be removed.

The controller features a scrolling menu keeps you informed of conductivity level, set-point, status of inhibitor and biocide dosing, and the day and time.

The controller has 3 main menus

- Advanced
- Change set-up
- Manual

The ProMinent® ProMcon 520 Conductivity is a fully integrated Cooling Water Treatment Control System normally supplied backboard mounted with metering pumps and sample water pipework.

The System provides:

- Conductivity based blow down for TDS control.
- Inhibitor Dosing.
- Timer based single and dual biocide control.
- Auto / Manual Inhibitor, Biocide and Bleed.



Optional

- mA monitoring
- Alarm relays
- Winter / Summer cycle

The system offers an overall control method for the various forms of chemical treatment of evaporative cooling towers, continually displaying on a rotating screen, the time, set points, pre bleed lockout and biocide status.

Conductivity Control

- Allows the TDS levels of the cooling water to be controlled. The TDS level is sensed by the conductivity probe and when the level exceeds the set-point the bleed solenoid is opened. This allows for the high TDS cooling water to be removed from the tower.
- Conductivity probe - union type for easy service.

Inhibitor Metering

Dosing of inhibitor can be in 3 ways:

- Simultaneously with bleed
- Continuous
- Controlled from a pulse contact water meter

Concept metering pumps have their own speed and stroke capacity adjustment. For Peristaltic metering pumps, the controller provides pump capacity adjustment from 1 to 100 percent when in simultaneous bleed or continuous. When controlled from a water meter there is adjustment for the number of pulses collected (1-100) to give and adjustable on-time from 1-100 seconds.

Timer Based Biocide Control For 1 or 2 Biocides

Timer Controlled biocide dosing is available for 1 or 2 pumps. There are 10 on/off times for both biocides 'A' and 'B' that can be set for any day or every day, with pre bleed and bleed lockout if required.

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