The **ProMinent® AEGIS** controller is the perfect economical solution for process, cooling, boiler and waste water treatment applications that provides the latest in controller technology.

### Features

- Inhibitor feed using PPM setpoints
- Volumetric timer controls
- Relay mirroring
- Optional ethernet communications
- MODBUS
- Industrial and Commercial sales
- Plug and Play Upgrades
- ProMinent® thermal flow switch

### Benefits

- **Variable Frequency Pump Controls**: Accurate and precise chemical feed using pulse outputs. Can also select On/Off control if desired.
- **Data Logging**: Data history provides sensor minimum, maximum and average. Also records pump run times, pump feed volume, calculated drum levels, water meter volume, tower run time.
- **Exclusive Thermal Flow Switch**: This exclusive design does not require user adjustment or calibration. Operates on 1GPM flow rate with no moving parts.
- **Pump Integration**: Select from popular ProMinent® pump models built into the AEGIS programming for accurate ppm feed, tank level and feed volume.
- **Feed Inhibitor using ppm setpoints**: Accurate and precise inhibitor feed by simply inputting desired ppm level based on inhibitor chemistry. Use with make-up water meter.
- **Plug and Play Onsite Upgrades**: The AEGIS features Plug and Play technology allowing the user to perform simple onsite upgrades and scalability.
- **Program chemical feed based on drop tests**: Program chemical feed by entering results of system testing using ppm, ml or drop tests. Enter the new value and desired alarm setpoints for worry-free chemical feed and control.
- **Drum Level Alarms**: Provides low level alarms without the use of level sensors. The AEGIS calculates volume fed and subtracts from tank inventory.
- **Communications**: Ethernet, cellular, land phone lines, Wireless EVDO. View our live demo at [http://208.37.73.86:1008](http://208.37.73.86:1008)
## Specifications

<table>
<thead>
<tr>
<th>Analog-Digital I/O</th>
<th>Rating - Detail</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>Conductivity Sensor</td>
<td>Tower, Boiler, Condensate &amp; Integral Flowswitch sensors</td>
<td>Default tower sensor includes 1GPM integral flowswitch</td>
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<tr>
<td>Fixed Temperature Sensor Input</td>
<td>Thermal compensation for both pH and Conductivity</td>
<td>Displayed as °F, °C or °K</td>
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<tr>
<td>Fixed 4-20mA Current Loop Input</td>
<td>Assignable to control any relay or variable frequency control</td>
<td>Single point calibration if 4mA=0</td>
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<tr>
<td>4 max. 4-20mA Current</td>
<td>DC isolated, Manual &amp; Auto modes, Interlocking, Alarm</td>
<td>Each optional current output uses a dual sensor card slot</td>
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<tr>
<td>7 max. Manual-Inventory-ppm Inputs</td>
<td>Track drop counts, inventory, tank level, ppm</td>
<td>Alarmed delay prevents premature system alarms</td>
</tr>
</tbody>
</table>

| Communications User Interface | | |
| Keypad-LCD | 5 Key tactile feedback, universal characters 2 line, backlit | Scan rate 100 mS nominal |
| 10 Base T, TCP/IP Ethernet LAN (optional) | HTML micro web server with user definable IP address | Static IP Browser shows controller in real time |

| Controls for ON/OFF & Variable Frequency | | |
| Sequential Volume Setpoints | Feed a fixed volume for every make-up volume | Meter only, fault tolerant feed controls |
| Blocking | Any of 8 controls may block any other control | Prevents incompatible concurrent controls |
| Interlocking | Up to 4 contact sets can be ‘AND’ed or ‘OR’ed | Relays & Frequency controls OFF when contact set opens |
| 9 Biocide Event Controls | Each of 9 controls includes 28 timed events | Each control selectable for 1, 7 & 28 day cycles |

| System | | |
| Power | 120 or 230VAC, 50/60 Hz | Line voltage selectable |
| Fusing for 5 AC powered loads | 5 Amps @ 120VAC or 2.5 Amps @ 230VAC | Alarm on open AC load fuse |
| Surge Suppression | Relay 2-5 N.O. contacts snubbed @ 0.1uF, 150 ohm | Varistor on AC line input |
| Accessory Power | 15-22VDC, Unregulated, Thermally Fused @ 50mA | Auto-recovery on fault cleared |
| Enclosure | Non-metallic, NEMA 4X | 7.5"W x 11.3"H x 5.5"D (190mm W x 287mm H x 140mm D) |

| Certifications | | |
| CSA: Pending | | CSA tested to comply with UL (Pending) |