



AQUATRAC<sup>™</sup> - The Leader in Technology by Design

The SlimFlex uses the latest technology to provide reliable control and flexibility at a competitive price.



**Aquatrac's Exclusive Combination Conductivity/Thermal Flow Sensor:** Aquatrac's innovative design does not require user adjustment or calibration. Operates on 1GPM flow rate with no moving parts.

### Standard Features

- Conductivity & Temperature Inputs
- Two Digital Inputs for Water Meter & Flow Switch
- Four Relay Outputs
- 5-Key Universal Keypad
- 2 Line, 16 Character Backlit Display
- Built-in Diagnostics
- CSA/CE/UL approved
- NEMA 4X Enclosure
- Umbilical Type Plug Connections

### Options

- Communication Options: Include Ethernet networking, dry contact alarm relay or 4-20mA output on conductivity
- pH control
- ORP control

### SlimFLEX Advantages & Benefits

- **Selectable Inhibitor Feed:**  
*Provides 4 feed modes; bleed and feed, bleed then feed, proportional to makeup water volume and percentage time.*
- **Water Meter Input:**  
*Allows for chemical to be fed based on water volume versus timed pump control methods generally found on comparably priced controllers.*
- **Single Point Calibration:**  
*For ease of start up and operation. Warning message immediately detects fouled or faulty sensors.*
- **Robust Diagnostics:**  
*Provides complete 24-hour history of bleed valve operation, relay run times and minimum/maximum temperatures.*
- **Keypad Password:**  
*Eliminates unauthorized adjustments.*
- **Optional Web Browser User Interface with Networking Capability:**  
*Provides live views with complete programming and calibration capabilities remotely using a LAN or WAN. View our live demo at <http://66.146.13.226>.*
- **Dual 28 Event Biocide Timers:**  
*Programmable for 1, 7 or 28 day cycles. Prebleed on time and/or conductivity setpoint and lock-out program.*
- **Sequential Blowdown Control:**  
*Measures make-up volume then bleeds for user set time.*

# Specifications

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Rating—Detail		Notes
<b>Analog-Digital I/O</b>		
Conductivity Sensor	Auto ranging from 100uS to 10,000uS	Single point calibration, temperature compensated
Temperature Sensor	32F to 125F (0C to 50C)	Displayed as F or C
Thermal Flow Switch	1GPM trip within 30 seconds	Typically 10 second trip within FLOW / NO FLOW
Water Meter Input	400Hz, 0,5mA @5VDC measurement current	Accepts paddlewheel or contacting head
Relay Outputs	4 SPST	Single controller fuse
4-20mA Output (optional)	Single DC isolated, loop powered	User definable span, alarms on open loop
Alarm Relay (optional)	500mA @ 24VDC Dry contact set, un-fused	Normally closed contact, open on alarm
<b>Communications User Interface</b>		
Keypad—LCD	5 Key tactile feedback, universal characters	Scan rate 100 mS nominal
	2 line x 16 character, backlit	User adjustable contrast
10Base T, TCP/IP Ethernet LAN (optional)	HTML micro web server with user definable IP address	User definable static IP
		Remote Monitoring & Programming
<b>Controls</b>		
Relay ON/OFF	ON/OFF control	4 Relay Outputs
Volumetric	User set, measure volume & pump on time	Sequential control, measures make-up volume then bleeds for user set volume
Interlocking	Flow switch contact set input	Relays OFF when contact set opens
Blocking	Inhibitor feed may be set to block on bleed	
Alarms—Feed Limit Timers	Minutes per day	auto-reset @ midnight
<b>System</b>		
Units of Measurement	US/Metric selectable	Option to use US or Metric units of measurement.
Electrical	120VAC, 50/60 Hz	
Internal Fusing	5 Amps @ 120VAC	
Surge Suppression	Relay 2 N.O. (bleed) contacts snubbed @ 0.1uF, 150ohm	Varistor on AC line input
Accessory Power	15-22VDC, unregulated, thermally fused @ 50mA	
Enclosure	Non-metallic, NEMA 4X	5.9"W x 5.9"H x 3.5"D 150mm W x 150mm H x 90mm D)
<b>Certifications</b>		
CSA, CE, UL	CSA tested to comply with UL	

<b>CO-IN-TB-TB</b>	<b>Conductivity Control, Selectable Inhibitor Feed &amp; Dual Biocide Timers</b> Conductivity Sensor includes a 3/4" SCH80 PVC Slip 'T', Dual 28 day biocide timers, Make-up water meter input.
<b>CO-IN-OX-TB</b>	<b>Conductivity Control, Selectable Inhibitor Feed, ORP Control &amp; Single Biocide Timer</b> Conductivity Sensor includes a 3/4" SCH80 PVC Slip 'T', ORP Control with Feed Limit Timer, Single 28 day biocide timer, Make-up water meter input.
<b>CO-IN-PH-TB</b>	<b>Conductivity Control, Selectable Inhibitor Feed, pH Control &amp; Single Biocide Timer</b> Conductivity Sensor includes a 3/4" SCH80 PVC Slip 'T', pH Control with Feed Limit Timer, Single 28 day biocide timer, Make-up water meter input.

<b>CTF</b>	Conductivity/Temperature/Thermal Flow Switch Combination Sensor
<b>CL</b>	4-20mA Output on Conductivity Fully isolated output, Loop Powered. Keypad adjustable 4 & 20mA levels
<b>LB</b>	Ethernet Networking
<b>AR</b>	Alarm Contact
* Select only one communication option, LB, CL or AR. If desired. Communications options cannot be combined.	

S4T-CO-IN-TB-TB    CTF    CL\*