

Strantrol® Impact Filter / Chemical Aquatic Management System

Product Description

The Strantrol® Impact Aquatic Management System from Siemens Water Technologies, continues to be the leader in a new generation of mechanical / chemical pool and spa controllers. The Strantrol® Impact FC controller is designed to provide the operator with easy menu navigation, detailed help screens, a remote touch screen for custom accessibility, and modularity for more upgrades.

The Strantrol® Impact FC controller has the ability to control the chemical and filter functions for up to eight filters. The controller features include demand-based chlorine feed utilizing patented Enhanced Time-Based Proportioning and automated fecal recovery, which will control the body of water at a higher ppm or HRR® sensor operating level in the event of a fecal accident and automatic filter backwash.

Key Benefits

- Modular platform with expansion capabilities
- Remote operating panel with easy-to-use touch screen control
- Simultaneous HRR® / ppm pool control
- Filter backwash with backwash safety devices and proprietary flowswitch for ultimate protection in no-flow conditions
- Patented enhanced time-based proportioning
- Graphical data logging
- Chemical feed tube protection
- Automated fecal recovery



Product Sheet

Water Technologies

SIEMENS

Inputs (Single or Dual Pool Control)

Sensors

pH (temperature control), HRR®, Temperature, Flow Switch, Backwash Sump Level Switch, Differential Pressure Switch*, Flow Sensor*, Surge Tank Level Switch*, pH Level*, Cl₂ Level*, pH Feed Tube Pressure*, Cl₂ Feed Tube Pressure*, and Strainer Vacuum*

Display Range

pH	2-12 0.1 resolution
HRR®	0-1000mV 1mV resolution
Temperature	32-150° F 1°F resolution 0-65° C 1°C resolution
ppm*	0-20 0.1 ppm resolution
Flow Rate*	0-9,000,000 gals 1,000 gals resolution 0-1,800 m ³ /h 1 m ³ /h resolution
Flow Volume*	500 billion gallons 1,000 gallon resolution
Surge Tank Level*	0-100 ft, 0.1 lbs. resolution 0-30 m
Strainer Vacuum*	32-0 in Hg 0.1 in Hg resolution
pH Level*	0-100 ft, 0-1,000 lbs 0.1ft, 0.1 lbs. resolution 0-30 m, 0-450 kg 0.1m, 0.1 kg resolution
Oxidation Level*	0-100 ft, 0-1,000 lbs 0.1 ft, 0.1 lbs resolution 0-30 m, 0-450 kg 0.1 m, 0.1 kg resolution
pH Feed Tube Pressure	0-200 psi 0.1 psi resolution 0-13.7 bar 0.1 bar resolution
Cl ₂ Feed Tube Pressure*	0-200 psi 0.1 psi resolution 0-13.7 bar 0.1 bar resolution
Differential Pressure	Switch Contact

* Optional

Outputs (Filter / Chemical Control)

Relays (5A @ 115 VAC) - 4 or 8 solid state relays for single or dual pool control

pH control
HRR® sensor control with ppm backup
Heater Control
Alarm
No Flow Alarm
Auxiliary (booster pump)
Sensor Wash*
Surge Tank Autofill*
Recirculation Protect control*
Automated Fecal Recovery*
8 additional solid state relays (5A @ 115 VAC)*
Cl₂ Booster (Salt Systems)
Filter Backwash
Recirculation Pump
Pressure Amplifier Pump

Data Logging (Single or Dual Pool Control)

The data logging frequency is selectable from 1 to 60 minutes

Communications (Single or Dual Pool Control)

Direct	57,6000 bps
Modem	33,600 bps data rate
Network Port	19,200 bps
WI FI	Compatible

Security Passwords

Operator (6)
Managers (2)
Representative (1)

Physical Specifications

Dimensions

Controller	15.7" x 15.7" x 6.7" 399 x 399 x 170 mm
Remote Display	5.5" x 9.1" x 3.7" 139.7 x 231 x 94 mm
Touch Screen	6" 152.4 mm

Materials

Enclosures	Light grey PC/PBT blended plastic with a UL® 94-5VA flammability rating
	Meets UL® Standard 508, NEMA® 4X and IEC529—I.P 66
Flowcell Body	PVC
Flowcell Cover	Clear, Acrylic
Sensor	Polysulfone 28mL inorganic electrolyte
Surge / Balancing Tank Switch*	Corrosion Resistant Epoxy
Chemical Level Indicators*	Ultrasonic
Pressure Transducers	316 SS Body Chemical Resistant Diaphragm
Backwash Sump Level Switch Flow Meter & Saddle	Corrosion Resistant Epoxy, Polypropylene, Cast Iron

Programmable Alarms

pH, HRR®, Temp, ppm*
No Flow – Disables feed relay outputs
Chemical Overfeed – Disables feed pumps
Flow Restored Delay
LSI / Ryznar
pH Level*
Cl₂ Level*
Flow Rate*
pH Feed Tube Pressure*
Cl₂ Feed Tube Pressure*
Backwash Failsafe
Emergency Off
Page Out Alarm—Modem*
E-mail Out Alarm—Network Port*

Support Services

On-site Service
Annual Service Contract
5 year Limited Warranty on Controller
2 year Limited Warranty on Sensors
1 year Limited Warranty on Filter Control Console

General Information

Operation/Installation Manual

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