

Strantr[®] Impact Filter/Chemical Aquatic Management System

Product Sheet

SIEMENS

The Strantr[®] Impact Aquatic Management System, from Siemens Water Technologies, continues to be the leader in new generation of mechanical/chemical pool and spa controllers. The Strantr[®] 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 upgrade options. The Strantr[®] 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, 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.



Reasons for choosing the Strantr[®] Impact FC Controller:

- 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

INPUTS (Filter/Chemical Control)

Sensors

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

Display Ranges

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* Gallons	0-9,000,000 U.S. 1,000 Gallon 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 ft resolution 0-30 m 0.1 m resolution
Strainer Vacuum*	32-0 in Hg 0.1 in Hg resolution
pH 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
Oxidation Level*	0-100 ft, 0-1,000 lbs 0.1 ft, 0.1 lb 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
Turbidity	0-9.99 NTU 0.1 NTU resolution

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
Filter Backwash
Recirculation Pump
Pressure Amplifier Pump
Polymer Feed*

DATA LOGGING

The data logging frequency is selectable from 1 to 60 minutes

COMMUNICATIONS

Direct 57,600 bps;
Modem* 33,600 bps
Network Port* 19,200 bps

SECURITY PASSWORDS

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

PHYSICAL SPECIFICATIONS

Dimensions (H x W x D)
Controller 15.7" x 15.7" x 6.7"
399 x 399 x 170 mm

Remote Display Box 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 94-5VA flammability rating
UL	
Meets UL Standard	508, NEMA® 4X and IEC529—IP 66
Flowcell Body	PVC
Flowcell Cover	Clear, Acrylic
Sensor	Polysulfone 28 mL inorganic electrolyte
Surge/Balancing Tank Switch*	Corrosion Resistant Epoxy
Chemical Level Indicators*	NEMA® 4X enclosure PVC schedule 40
Pressure Transducers	316 SS body Chemical resistant diaphragm
Backwash Sump Level Switch	Corrosion Resistant Epoxy
Flow Meter & Saddle	Polypropylene, Titanium, Cast Iron
Turbidimeter*	Corrosive Resistant Coated enclosure PCV wetted parts

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*
Flow Volume*
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

GENERAL INFORMATION

Operation/Installation Manual

* Optional

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The information provided in this brochure contains merely general descriptions or characteristics of performance which in actual case of use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of the contract.

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