

Water Technologies

Strantrol® Impact AFC Filter Controller

Product Sheet

SIEMENS

The Strantrol® Impact Aquatic Management System continues to be the beginning of a new generation of mechanical pool and spa controllers from Siemens Water Technologies.

As a component of the system, the Strantrol® Impact AFC filter controller is designed to provide the operator with easy menu navigation, detailed help screens and a remote touch screen for custom accessibility. The modularity of the filter controller allows for more upgrade options and has the ability to control filter functions for a single or dual bodies of water. The controller features include manual, differential pressure, flow rate, flow volume, and turbidity triggers for automatic filter backwash.



Benefits of the Strantrol® Impact AFC Filter Controller Include:

- Modular Platform with Expansion Capabilities
- Touch Screen Control
- Remote Operating Panel
- Filter Backwash
- Backwash Safety devices
- Graphical Data Logging

Inputs (Filter Control)

Sensors

Backwash Sump Level Switch, Differential Pressure Switch, Flow Sensor*, Surge Tank Level*, Turbidimeter* and Strainer Vacuum*

Display Ranges

Flow Rate*	0 – 9,000,000 Gallons 1,000 Gallons resolution 0 – 1,800 m ³ /h 1 m ³ /h resolution
Flow Volume	500 billion gallons 1,000 gallons resolution
Surge Tank Level*	0 – 100 ft 0.1 ft resolution 0 – 30 m 0.1 m resolution
Strainer Vacuum*	32 – 0 inHg 0.1 inHg resolution
Differential Pressure	Switch Contact
Turbidity	0 – 9.99 NTU NTU 0.1 resolution

Outputs (Filter Control)

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

Heater control
Alarm
Surge Tank Autofill*
Recirculation Protect control*
8 additional solid state relays
(5A @ 115 VAC)*
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 UL® 94–5VA standard flammability rating

Meets UL® 508, NEMA® 4X and IEC529—IP 66 standards

Non-metallic closing screws, modified polyurethane door gasket, non-metallic wall mount brackets

Surge/Balancing Tank Switch*
Corrosion Resistant Epoxy

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
PVC wetted parts

Programmable Alarms

Flow Rate*
Flow Volume*
Backwash Failsafe
Emergency Off
Page Out Alarm – Modem*
E-mail Out Alarm – Network Port*

Support Services

On-site Service
Annual Service Contract
2 year Limited Warranty

General Information

Operation/Installation Manual

Standards & Certifications

Strantr® controllers exceed the highest industry standards in the United States and abroad. Standards include UL Listed, CSA®, FCC, OSHA, and the newest European standard, CE.

Siemens Aquatic Quality Products

The Strantr® Impact AFC Filter controller is part of a full line of Siemens commercial pool and spa products. These include acid-free pH control systems, other water chemistry controllers, and chemical delivery systems.

*Optional

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The information provided in this brochure contains merely general descriptions or characteristics of performance which in case of actual 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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