

SPCS | Smart Pump Control System



**Go
Green,
It
saves
you
Green
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Reasons why using a Smart Pump Control System (pat. pend.) is Beneficial to you

Energy Savings

State of the art controls offer unparalleled energy savings while minimizing wear and tear on your system.

A Simple Design

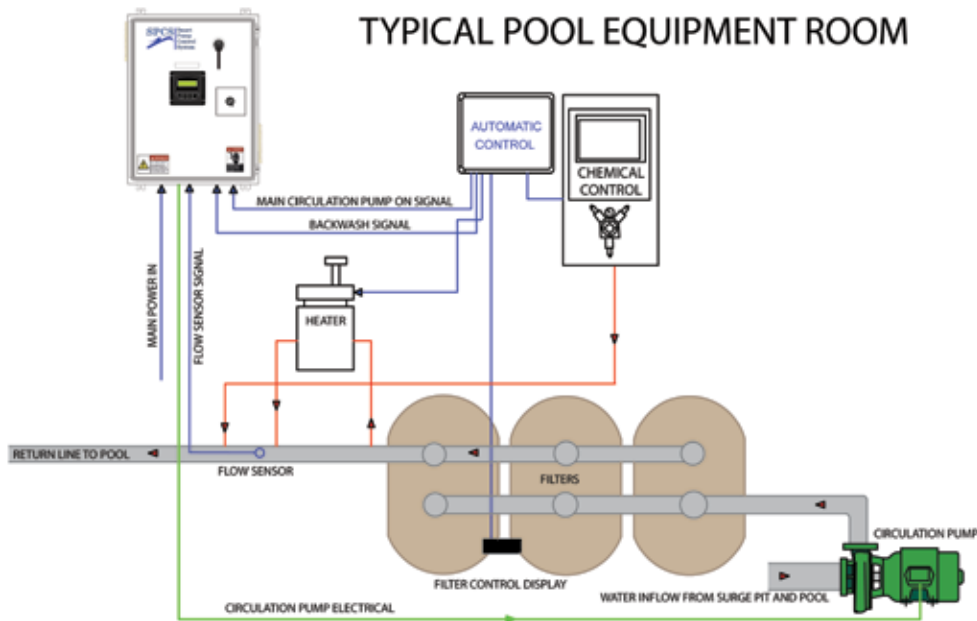
A streamlined solution: VFD, PID process control, soft logic, disconnects, starters and overloads. All housed in a powdered coated NEMA 12 enclosure.

Extends Equipment Life

The SPCS provides smart control of your circulation pump, resulting in maximum performance, efficiency, and pump life.

System Integration

Advanced intelligence engineering integrates motor, logic, and process functions into one complete unit.



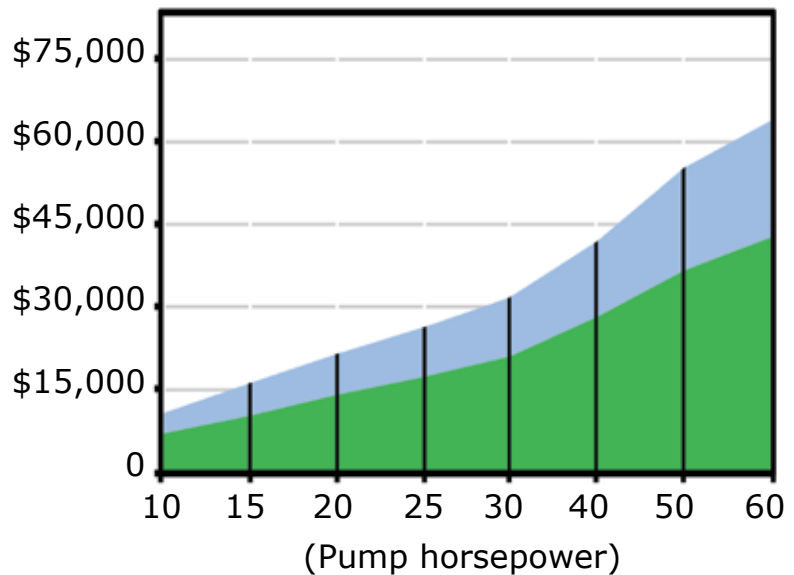
The Smart Pump Control System (SPCS) is a control device that works in tandem with existing or new Automatic Filter Controller (AFC) and Chemical Controller (CC). The SPCS responds to two different inputs; one is from a flow sensor installed in the downstream return line to the pool, the second is from the relays within the AFC or CC. After receiving the inputs, the SPCS then controls the speed of the motor causing the pump to operate where it was selected and designed, always maintaining the required turnover rate for the pool. The SPCS constantly monitors these inputs and responds to the changing demands of the filter system throughout normal use, backwash, or shutdown. This results in the best possible pump efficiency while minimizing electrical usage.

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Annual Electrical Operating Cost

■ WITH SPCS OPERATION
■ WITHOUT SPCS OPERATION

Chart estimates annual energy savings based on circulation pumps horsepower. The higher the pump horsepower, the greater the energy savings with SPCS.

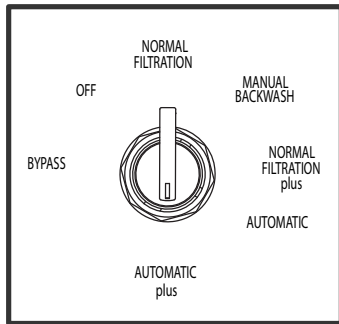
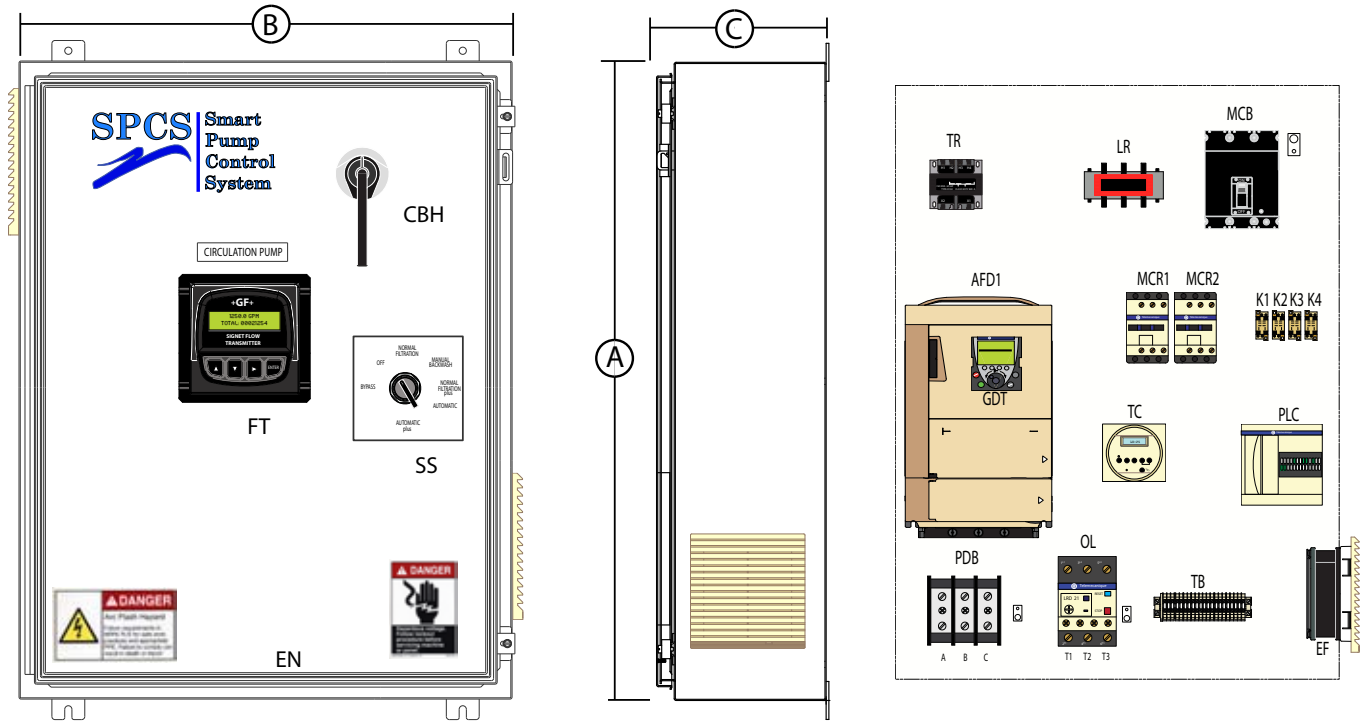


Incorporating an SPCS into your pool filtration system will allow the circulation pump to operate at its best efficiency point throughout the filtration cycle... Saving energy and reducing wear on components.

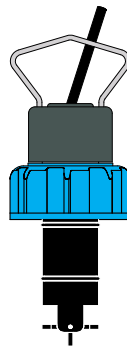


Simply Smarter

List of Components and Enclosure Sizes



SELECTOR SWITCH DETAIL



FS

DESCRIPTION	MODEL	DIMENSIONS A x B x C
10 HP *	SPCS010	30 x 24 x 10
15 HP *	SPCS015	30 x 24 x 10
20 HP *	SPCS020	36 x 30 x 10
25 HP *	SPCS025	36 x 36 x 12
30 HP *	SPCS030	36 x 36 x 12
40 HP *	SPCS040	48 x 36 x 12
50 HP 460 VOLT	SPCS050	48 x 36 x 12
60 HP 460 VOLT	SPCS060	48 x 36 x 12

* Available in 200, 230, or 460 Volt

KEY	DESCRIPTION
EN	ENCLOSURE
FT	FLOW TRANSMITTER
FS	FLOW SENSOR
MCB	CIRCUIT BREAKER/DISCONNECT
CBH	CIRCUIT BREAKER HANDLE
LR	LINE REACTOR
MCR1-2	MAGNETIC CONTACTOR
TR	CONTROL TRANSFORMER
AFD1	ADJUSTABLE FREQUENCY DRIVE
GDT	GRAPHICS DISPLAY TERMINAL
TC	DIGITAL TIME CLOCK
PLC	PROGRAMMED LOGIC CONTROL
OL	OVERLOAD BLOCK
PDB	POWER DISTRIBUTION BLOCK
EF	COOLING FAN WITH FILTER ELEMENT ON INTAKE
K1-K4	CONTROL RELAYS
TB	TERMINAL BOARD
SS	SELECTOR SWITCH

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