

### Single Point Connection

New Install	Retrofit	H.P.	Voltage	Phase
SPC12-161	N/A	3/4	120	1
SPC12-165	N/A	1	120	1
SPC12-169	N/A	1.5	120	1
SPC12-172	N/A	2	120	1
<b>208-240</b>				
SPC24-161	SPCR24-161	3/4	208-240	1
SPC24-165	SPCR24-165	1	208-240	1
SPC24-169	SPCR24-169	1.5	208-240	1
SPC24-172	SPCR24-172	2	208-240	1
<b>200</b>				
SPC24-163	SPCR24-163	3/4	208-240	3
SPC24-166	SPCR24-166	1	208-240	3
SPC24-167	SPCR24-167	1	200	3
SPC24-170	SPCR24-170	1.5	208-240	3
SPC24-171	SPCR24-171	1.5	200	3
SPC24-173	SPCR24-173	2	208-240	3
SPC24-174	SPCR24-174	2	200	3
SPC24-176	SPCR24-176	3	208-240	3
SPC24-177	SPCR24-177	3	200	3
SPC24-178	SPCR24-178	5	208-240	3
SPC24-179	SPCR24-179	5	200	3
SPC24-182	SPCR24-182	7.5	230	3
SPC24-183	SPCR24-183	10	208-240	3
<b>480</b>				
SPC48-163	N/A	3/4	480	3
SPC48-166	N/A	1	480	3
SPC48-170	N/A	1.5	480	3
SPC48-173	N/A	2	480	3
SPC48-176	N/A	3	480	3
SPC48-178	N/A	5	480	3
SPC48-182	N/A	7.5	480	3
SPC48-183	N/A	10	480	3

**Example Model Number** SPC24-176

All pumps are 115V...so the proper power for both the pump and motor will need to be brought to the box.  
No 2 speed kits available (No kits for M162, M168, M180, or M181A)

**Motor Part Number**  
The PMI Motor part Number it is matched to.

**SPC Kit voltage (wired for voltage)**  
12 = 120Volt motor - single phase  
24 = 240Volt motor - single or 3 phase  
48 = 480 volt motors - 3 phase only

**Single Point Connection**  
SPC = New Installations  
SPCR = Retrofit Installations

### Single Point Connection Accessory

Model #	Description
SPCT120	7-Day Programmable Thermostat

SPC-FAC\_12\_V03  
MADE IN U.S.A.

## Single Point Connection

Factory Pre-wire Service includes installation and wiring of the motor, motor sheave, pump, float, control box and the pump junction box. The Control box for the SPC is ready for the 120V pump supply wire and the motor voltage supply. For the SPCR the control box is wired for only 240V motor AND pump.

Order process will be to order the Cooler, Motor, Motor Sheave, 115V Pump, Float and the SPC model accessory.

## Factory Assembled Cooler

The FAC option offers you the benefit of receiving your order fully assembled.

Speed up your installation process by allowing our trained assembly team to do your work for you.

This unit is ready to be installed and has been factory tested to ensure operational readiness.

Model#	Voltage	Media
FACA1-12	120	Aspen
FACA1-24	240	
FACA1-48	480	
FACR1-12	120	Single Inlet Rigid
FACR1-24	240	
FACR1-48	480	
FACR2-12	120	Dual Inlet Rigid
FACR2-24	240	
FACR2-48	480	

**Example Model Number** FACA1-12

Order process will be to order the Cooler, Motor, Pump, Float and the FAC option as specified.

**Motor Voltage**  
12 = 120 volt-Single Phase  
24 = 240 volt- Single Phase OR 3-Phase  
48 = 480 volt- 3-Phase

**Media Required**  
A1 = Aspen  
R1 = Rigid, Single Inlet  
R2 = Rigid, Dual Inlet

**Factory Assembled Cooler**



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# Commercial Services

www.evapcool.com

Simplify and save on your next industrial/commercial evaporative cooler installation job. Phoenix Manufacturing brings the highest level of customer service possible by offering factory assembly and pre-wire services that save both time and money on all your installation jobs.



PMI "Put us to work for you"





# SPC

## Single Point Connection

### SPC - New Installations

Simplify and save on your next commercial evaporative cooler installation job with the PMI Factory Pre-wire service. The Single Point Connection (SPC) requires an electrical supply for the motor voltage as well as 120V supply for the contacts, switch box and pump, which must originate in the space.

Factory Pre-wire service includes installation and wiring of the motor, motor sheave, pump, float, control box and junction box. The Control box is ready for the 120V line and motor voltage supply, greatly simplifying the installation and reducing time on the job.

### SPCR - Retrofit Installations

When working with a job where installers are retrofitting coolers on an existing installation, PMI will provide specific models (SPCR) for that 240V application. This is an application where the coolers are being replaced and the existing supply remains intact. For these jobs that have existing wiring at 240V, all components, including pumps, controller, and motor are supplied in 240V.



### SPC Features

- Weather proof NEMA 3R box
- Single phase or 3 phase motor control
- Class 10 overload protection for the 3 phase motors
- Circuit breaker serves as disconnect for motor - separate field supplied disconnect for motor not required
- Separate disconnect for pump/control circuit – easily shut down unit for inspection
- Relay to control pump operation
- Terminal blocks for input/output connections in the control box
- Lighted switch box for remote installation - to control pump and fan operation (requires field-supplied conduit and wiring between control and switch box)
- VFD motor (fan) controller option details available upon request



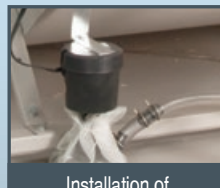
Installation of motor



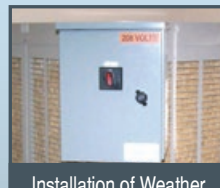
Switch box for control pump and fan operation



Provision & Installation of 115 V. Receptacles



Installation of 115V. Pump



Installation of Weather proof NEMA 3R Box



Installation of pump J-Box



When ordering the Factory Wired SPC with U.L. Classified or U.L Listed PMI Coolers, the Classification or Listing recognition will be maintained

# FAC

## Factory Assembled Cooler

### On Site & On Time

Speed up the new installation process with ready-to-install units direct from the factory. The FAC, or Factory Assembled Cooler option, provides you the benefits of receiving your order fully assembled and factory tested by a team of trained specialists. Each FAC unit arrives on-site and on-time, ready for installation.

### Features

- Motor, Belt(s) and Sheave installed
- Pump(s) and receptacle box installed
- Both the motor and pump supply conduit are each stubbed to externally mounted single gang weatherproof junction boxes - simply connect each circuit to code approved supply disconnects to complete installation.
- Industrial AeroCool models: wet section(s) are assembled to the air-handler cabinet.



### Added Value

When you combine the PMI AeroCool 8", 12" and 4x4 series with the Single Point Connection factory pre-wire service, the Wet Section ships assembled to the blower unit for added value.



When ordering the Factory Assembled cooler with U.L. Classified or U.L Listed PMI Coolers, the Classification or Listing recognition will be maintained

## SPC Accessory

### SPCT120 "Green-Stat"

#### 7-Day Programmable Thermostat

Our SPCT digital programmable thermostat is the latest addition to our family of energy efficient evaporative cooler controls. This controller is designed exclusively to complement our SPC models. When coupled with our SPC option, the SPCT "Green-Stat" offers all the features of full 7-day programming to our commercial line of coolers. The SPCT "Green-Stat" allows remote thermostatic control of up to 25-SPC units.

- 24 Volt
- Easy to install
- Provides a pad "Pre-Wet" & "Rinse" cycle
- Full 24/7 Programmable capability.
- Compatible with all SPC models
- Large Blue Display for easy low-light viewing
- 365 Day Programmable Calendar
- UL Listed

Models: SPCT120

