



HAYWARD®

Technical Updates for Pool Professionals

See below for this month's updates.

And visit our Support Center on Hayward.com for immediate access to Troubleshooting Guides, Quick Reference Guides, Manuals, Parts Diagrams, and Instructional Videos.

<https://www.hayward-pool.com/shop/en/pools/support-center>

Product Info

March/2020

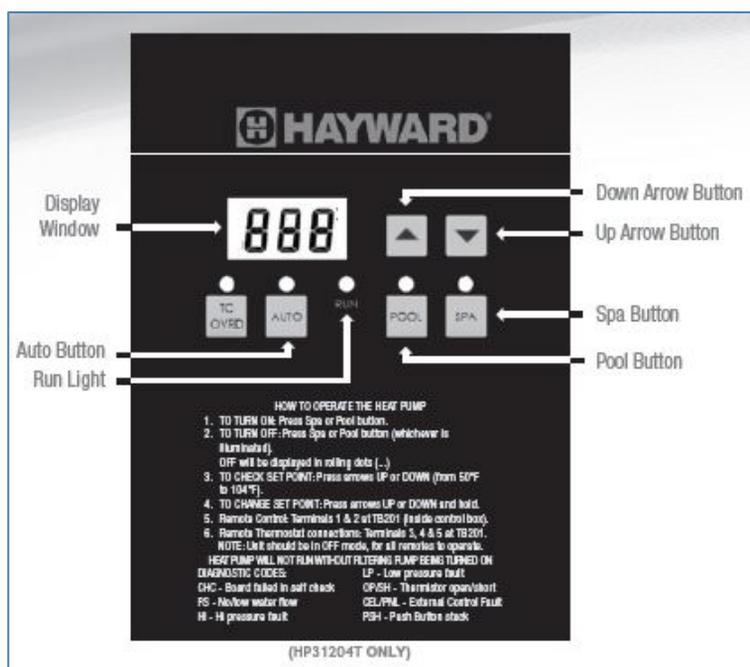
- 1. Heat Pumps: HP31204T**
Setting the mode on H/C heat pump
- 2. Controls: OmniLogic**
Changing and Resyncing UCL light modes
- 3. Chemical Automation: AQL-CHEM4-ACID**
A maintenance reminder
- 4. VS Pumps/Controls: Compatibility**
A useful guide showing Hayward VS Pumps and Controls compatibility

Setting the HP31204T Mode

If the HP31204T heat/cool heat pump will not go into heating mode this is generally an indication that the heat pump is in “cooling only” mode (ACP)

To remove the heat pump from cooling only mode follow these steps:

1. Press and release the “auto” button
 - The display will show **ACP** if the heat pump is in cooling only
2. Using the down arrow adjust the control to **AC3**
 - This will put the heat pump in auto change over mode with a 3 degree differential
 - That means the heat pump will heat when needed to the set point and if cooling is needed the heat pump will automatically switch over and cool once the temperature of the water is 3 degrees above the set point (AC3).
 - **Example:** if the heat pump is set at 86 degrees and the pool water temperature is 84 the heat pump will come on in heating mode and heat the pool to 86. If the temperature of the pool water warms above 86 the cooling function of the heat pump will engage when the water temperature reaches 89. The heat pump will then cool the pool water down to 86.
3. The Auto function is adjustable from 0-9 degrees.
 - If the Auto function is set at 0 (AC0) the heat pump is in heat only mode and the cooling function will never engage
 - AC3-AC9 indicate the differential between the heat pump set point and the temperature at which cooling mode will automatically engage to cool the pool to the set point.

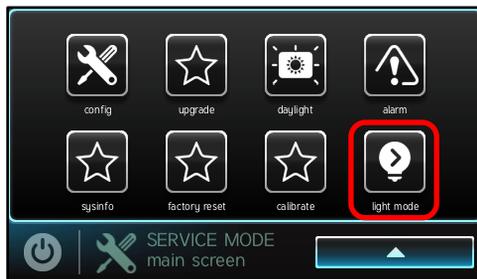


Changing & Re-Syncing Light Modes

How to change light(s) modes & re-sync lights into a mode: Requires OmniLogic firmware R3.2.0 or above installed.

Step 1: First place the OmniLogic into service mode.

Step 2: Once in service mode locate and press the “light mode” button.



Step 3: Select name/location for the light(s) - Pool Light, Spa Light, etc.



Step 4: Choose the light mode(UCL or Omni Direct) you would like to set the light(s) to. After choosing a mode the light(s) will begin to flash, this will indicate the light(s) are changing to the selected mode.



Step 5: When complete exit from the service mode.

AQL-CHEM4-Acid Maintenance Reminder & Steps

AQL-CHEM4-Acid requires regular maintenance to prevent damage to the unit. The Santoprene tube must be replaced every 3 to 6 months.



DANGER Chemical Hazard: Use caution when working with the AQL-CHEM4-Acid tank and/or pump. Muriatic Acid (liquid and mist) can cause burns, may be fatal if swallowed or inhaled. Inhalation can cause lung damage. To avoid death or serious injury:

- Wear eye and skin protection while maintaining or servicing this unit.
- Wear compatible rubber gloves.
- Use in a well ventilated area.

Replacement tube
Part# CAX-3512



REPLACING THE FEED TUBE:

The Santoprene feed tube should be replaced every 3 to 6 months. The part number for the replacement tube is CAX-3512

1. Disconnect the pump from the power supply.
2. Remove the faceplate. (Note: the bearing [transaxle] will be seated in front of the roller. Gently pull the faceplate and the bearing assembly until it is unseated. Be careful not to lose the bearing assembly, attached to the back of the faceplate, or the screws.
3. Turn the roll holder clockwise, so that the bottom roller is equally spaced between the intake and discharge fittings.
4. Unscrew the compression nuts over the blue tubing and remove the tubing from the feed tube fittings.
5. Lift and remove the feed tube fitting on the lower left side (inlet) of the pump from its seat by sliding it away from the tank. Lift and remove the feed tube fitting on the lower right side (outlet) of the pump from its seat by sliding it away from the tank.
6. Manually rotate the roller clockwise, while lifting the feed tube, until the feed tube comes away from the pump.

(Instructions for Installing new tube on the next page)

Variable Speed Pump & Automation Compatibility

Last Updated: March 24, 2020



Expert Line Pump Models

VS Pump Models	Automation System	Compatibility
SP32950VSP SP3206VSPVR SP32900VSP SP2670020VSP SP23520VSP After January 2019: SP2670010VSP SP23510VSP	Stand-Alone (No Automation)	Yes
	Omni-Based (OmniLogic, OmniHub, etc.)	Yes Minimum rev 1.0.0
	ProLogic	Yes Minimum rev 3.00 ¹
	AquaPlus	Yes Minimum rev 2.65 ¹
	E-Command 4	Yes Minimum rev 2.80
	AquaLogic / E-Command	Yes Minimum rev 2.65
	OnCommand	Yes Minimum rev 1.00
	Competitive Controller	Relay / Actuator Control ²

¹ Recommended minimum software revision of 4.30

² Requires available relay or actuator connections. Controller can invoke up to eight fixed speeds on the pump.

Open Line Pump Models

VS Pump Models	Automation System	Compatibility
<p>W3SP3206VSP W3SP3202VSP W3SP2603VSP W3SP2303VSP</p> <p>After January 2019:</p> <p>SP26115VSP SP23115VSP</p> <p>Discontinued Models</p> <p>SP3206VSP SP3202VSP SP2603VSP SP2303VSP</p>	Stand-Alone (No Automation)	Yes
	Omni-Based (OmniLogic, OmniHub, etc.)	Yes Minimum rev 1.0.0
	ProLogic	Yes Minimum rev 3.00 ¹
	AquaPlus	Yes Minimum rev 2.65 ¹
	E-Command 4	Yes Minimum rev 2.80
	AquaLogic / E-Command	Yes Minimum rev 2.65
	OnCommand	Yes Minimum rev 1.00
	Competitive Controller	Relay / Actuator Control ²

¹ Recommended minimum software revision of 4.30

² Requires available relay or actuator connections. Controller can invoke up to eight fixed speeds on the pump.

Legacy Pump Models

Automation System	EcoStar SP3400VSP & SP3400VSPVR	TriStar VS SP3202VSPND	TriStar VS SP3200VSP	TriStar VS SP3200VSPND	Super Pump VS SP2602VSP	MaxFlo VS SP2302VSP	MaxFlo VS SP2302VSPND
Stand-Alone (No Automation)	Yes	No	Yes	No	Yes	Yes	No
Omni-Based (OmniLogic, OmniHub, etc.)	Yes ⁵ Min. rev 1.0.0	Yes Min. rev 1.0.0	Relay / Actuator Control ²	No	Automation system can cycle power to the pump (on/off) Speed & time controlled by the pump, not the automation system	Automation system can cycle power to the pump (on/off) Speed & time controlled by the pump, not the automation system	No
ProLogic	Yes Min. rev 3.00 ¹	Yes Min. rev 3.00 ³		Yes Min. rev 3.00 ³			Yes Min. rev 3.00 ⁴
AquaPlus	Yes Min. rev 2.65 ¹	Yes Min. rev 2.65 ³		Yes Min. rev 2.65 ³			Yes Min. rev 2.65 ⁴
E-Command 4	Yes Min. rev 2.80	Yes Min. rev 2.80		Yes Min. rev 2.80			Yes Min. rev 2.80
AquaLogic / E-Command	Yes Min. rev 2.65	Yes Min. rev 2.65		Yes Min. rev 2.65			Yes Min. rev 2.65
OnCommand	Yes Min. rev 1.00	Yes Min. rev 1.00		Yes Min. rev 1.00			Yes Min. rev 1.00
Competitive Controller	Relay / Actuator Control ²	No		No			No

¹ Recommended minimum software revision of 4.30

² Requires available relay or actuator connections. Controller can invoke up to eight fixed speeds on the pump.

³ Recommended minimum software revision of 4.46

⁴ Recommended minimum software revision of 4.41

⁵ Also requires minimum pump display revision R3.0.5 (update pump display instead of drive if needed)