

# ATTENTION INSTALLER

***This unit has the capability of operating a Circulation Pump. Special considerations must be taken for the system to operate dependably. Please read and follow the instructions below prior to installing system:***

## Water Flow and Wattage Considerations

**Stock Configuration (High-Flow CP ready) = 5.5kw heater**

With this heater installed a minimum of 23gpm is required (Circ-Master, Iron Might, etc.)

**\*\*Optional Configuration (Low-Flow CP Ready) = 4.0kw or less**

With this configuration a minimum of 10gpm is required (Laing, Grundfos, Tiny-Might, etc.)

**\*\*Requires optional HQ Heater PT# 22-85B-S00-1FP3 (4.0kw VH Assy)**

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### 2 Speed Pump to 1 Speed Pump Considerations

When using a circulation pump the operation of the main 2-speed pump circuit changes in a way that must be considered when using a single speed pump 1. Please consider the following depending on system being installed:

**USPA (6500/7500) Series** = Enter the low level programming (see install instructions) and program the system for circulation pump mode and the pump to one speed. The low speed (Red) wire will be used for the single speed.

**SSPA (4200/4300/6200/6300 except 4220/6220) Series** = Move JP3 to enable circulation pump mode(see install instructions).

Three (3) pump operation options for SSPA based systems:

- #1) Pump connected to Low Speed wire: Single speed pump will operate manually and whenever there is a filtration cycle. Button Operation = ON - OFF - OFF
- #2) Pump connected to High Speed wire: Single speed pump will operate manually and at the beginning of each filter cycle for 1 minute to purge. Button Operation = OFF - ON - OFF
- #3) Pump connected to High and Low Speed wires: Single speed pump will operate manually and whenever there is a filtration or purge cycle. Button Operation = ON - ON - OFF

**MP (9700) Series** = Enter the low level programming (see install instructions) and program the system to circulation pump mode and the pump to one speed. The high speed (Black) wire will be used for the single speed.

### 2 Speed Pump Considerations

When using a circulation pump the operation of the main 2-speed pump circuit operates normally with exception being that it is no longer used to heat the water. Please consider the following depending on system being installed:

**USPA (6500/7500) Series** = Enter the low level programming (see install instructions) and program the system to circulation pump mode and the pump to two speed. Low Speed = Red Wire; High Speed = Black Wire.

**SSPA (4200/4300/6200/6300 except 4220/6220) Series** = Move JP3 to circulation pump mode(see install instructions).

Install the pump normally. Low Speed = Red Wire; High Speed = Black Wire.

**MP (9700) Series** = Enter the low level programming (see install instructions) and program the system to circulation pump mode and the pump to two speed. Low Speed = Red Wire; High Speed = Black Wire.

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