



INTELLICHEM[®] CHEMICAL CONTROLLER

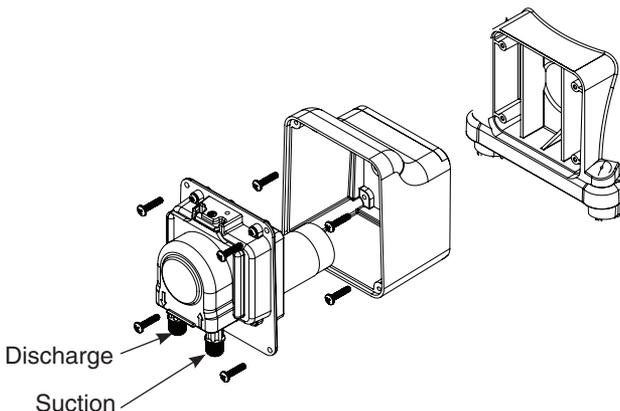
INSTALLATION KIT INSTRUCTIONS

Installing the IntelliChem Tank with Pump (P/N 522472 & 522473)

1. Find a suitable location to secure the tank to the equipment pad. The tank needs to be within 10' of the IntelliChem Controller, 10' of the return plumbing, and away from equipment that may be damaged by the chemical or vapor.
2. Secure the tank to the equipment pad with four bolts.
3. Cut off 1-2' of tubing and connect the black suction fitting of the tank to the inlet (right) of the pump. See Figure 1. Do not overtighten the nuts.
4. Install the injection fitting in the return plumbing, after all equipment.
5. Use the remaining tubing to connect the outlet (left) of the pump to the injection fitting. Note: **Do not overtighten the nuts.**

Upgrading a Chemical Container with Pump Kit, Using P/N 522474

1. Be sure the Chemical Container is secured to the equipment pad, and in a suitable location within 10' of the IntelliChem Controller.
2. Remove the four screws and block-off plate.
3. Install the motor shroud with four screws. See Figure 1.
4. Mount the pump on the motor shroud with four screws. See Figure 1.
5. Cut off 1-2' of tubing and connect the black suction fitting of the tank to the inlet (right) of the pump. See Figure 1. Note: **Do not overtighten the nuts.**
6. Install the injection fitting in the return plumbing, after all equipment.
7. Use the remaining tubing to connect the outlet (left) of the pump to the injection fitting. Note: **Do not overtighten the nuts.**



Connecting the Pump to the IntelliChem Controller, Using P/N 522478Z

1. Route the power cord(s) from the Pump(s) into the IntelliChem Controller through the strain relief fitting(s) closest to the right hinge. Note: **Do not overtighten the nuts.**
2. Plug the power cord for the Acid pump into the left connector labeled “PH” on the 522478 daughter board. See Figure 2.
3. (Optionally) plug the power cord for the Chlorine pump into the right connector labeled “ORP” on the 522478 daughter board. See Figure 2.
4. Loosen the 4 screws in the J8/J11 terminal blocks on the IntelliChem Controller board.
5. Install the 522478 daughter board so that all four pins are in the correct holes in the J8/J11 terminal blocks. Tighten the four screws. See Figure 3.
6. Unplug the red wire harness going to J10 of the IntelliChem Controller board, and connect it to J10 on the 522478 daughter board. See Figure 4.
7. Plug the wire harness from J10* of the 522478 daughter board to J10 of the IntelliChem Controller board. See Figure 4.

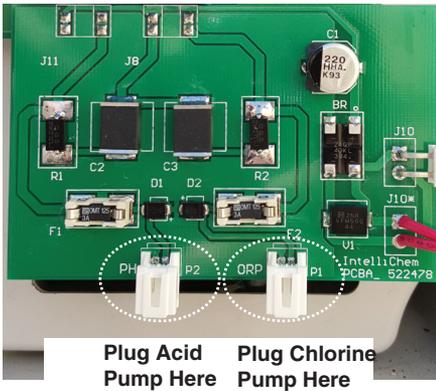


Figure 2. pH and ORP Connection

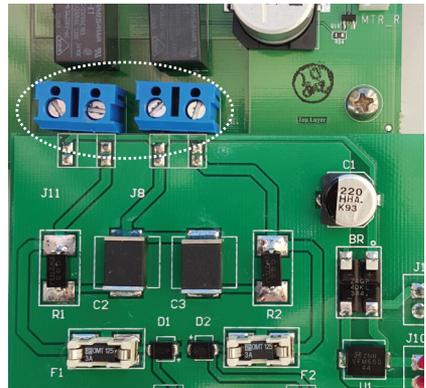
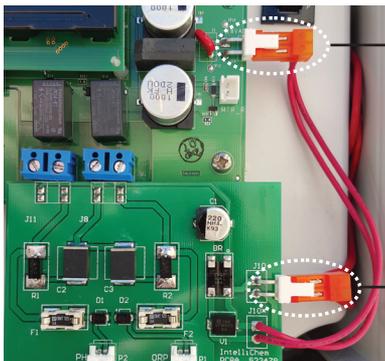


Figure 3. Wiring Terminal Blocks



Wiring harness from Daughter Board

Wiring harness from Transformer

Figure 4. Power Connection

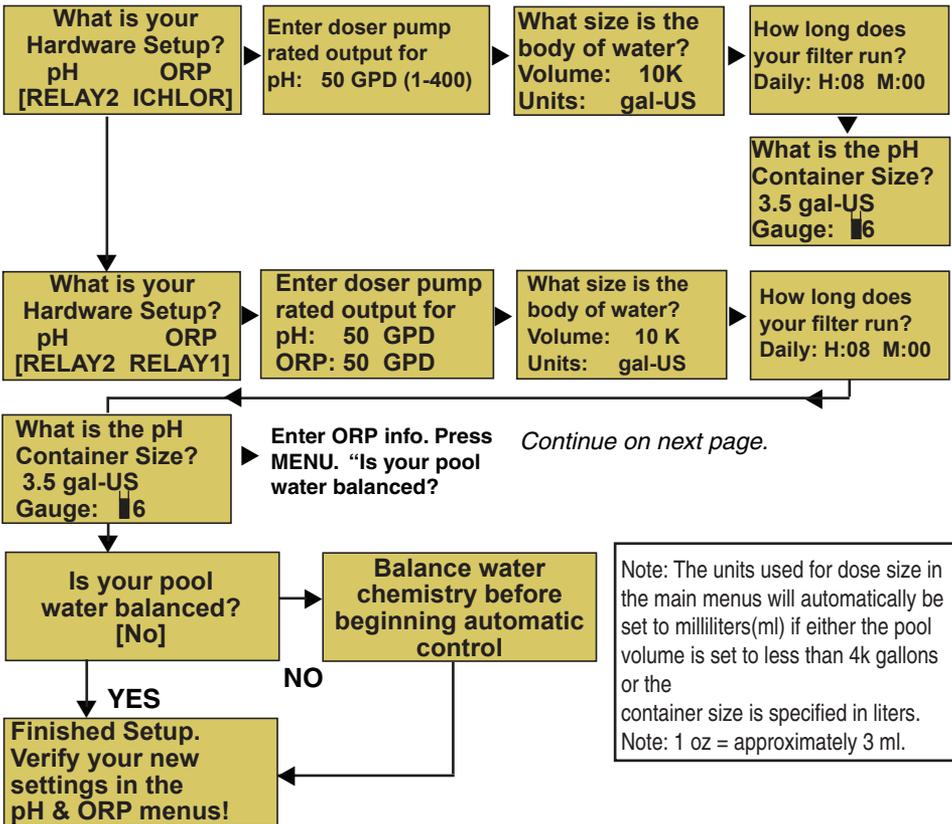
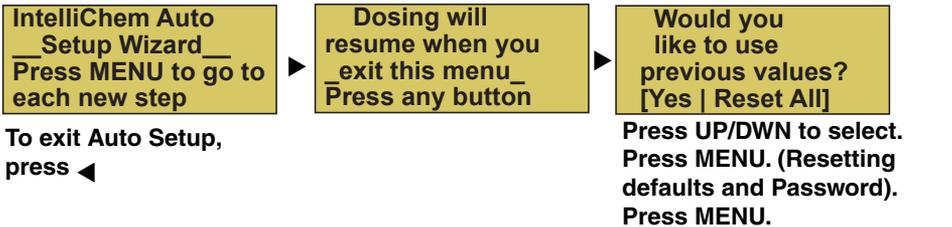
Auto Setup Sequence

Use the Auto Setup feature for first-time setup of standard configurations. Follow the on-screen prompts and enter information about your system configuration (pH/ORP internal or external pumps, pool size, filter time, chemical container size etc). IntelliChem uses this information to automatically setup reminder times, calculate feed times, proportional limits and alarms. The following describes the Auto Setup screen. Press the **MENU button** to access the Auto Setup menu. To change a menu setting or value press the **▼/▲ Up/Down arrow button**. Press the MENU button to save each selection.

Press **MENU ▼/▲ Auto Setup ▶**

Previous Values: Use to recalculate new dose times etc., if no custom settings exist. Not recommended for custom settings; use the menu directly to make these changes.

Reset All: Make major configuration changes that may have conflicts with previous settings.





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