

AXIALL LLC

Injection Pump Installation Kit SKU 9500153

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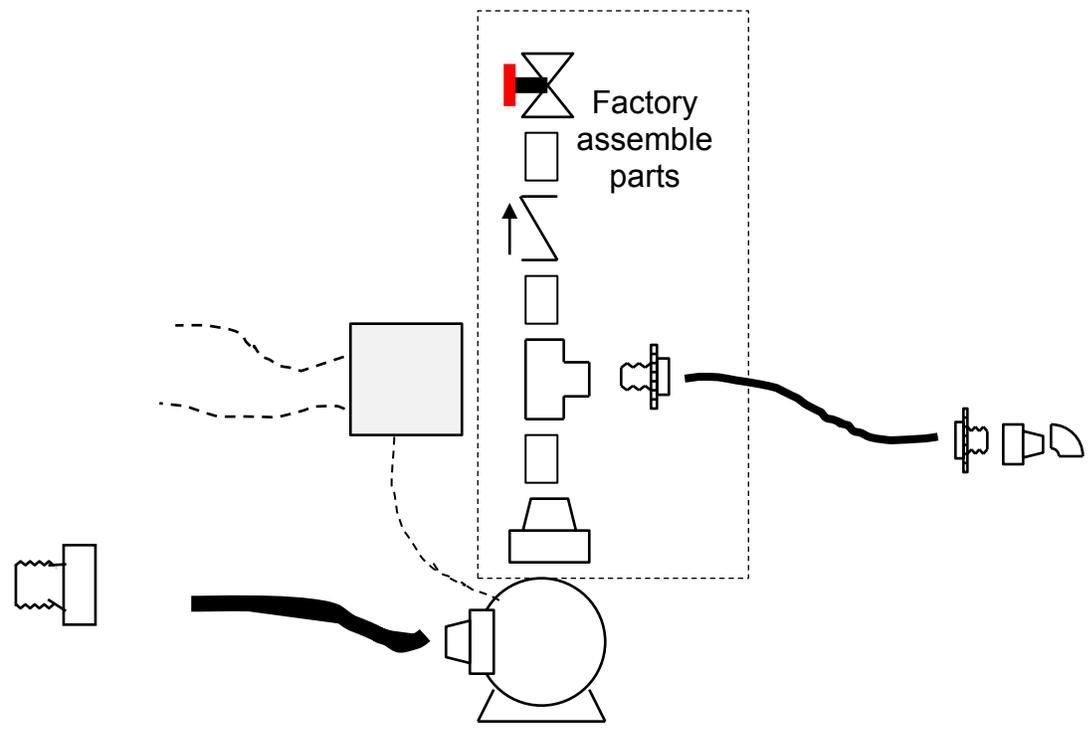
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Kit Contents

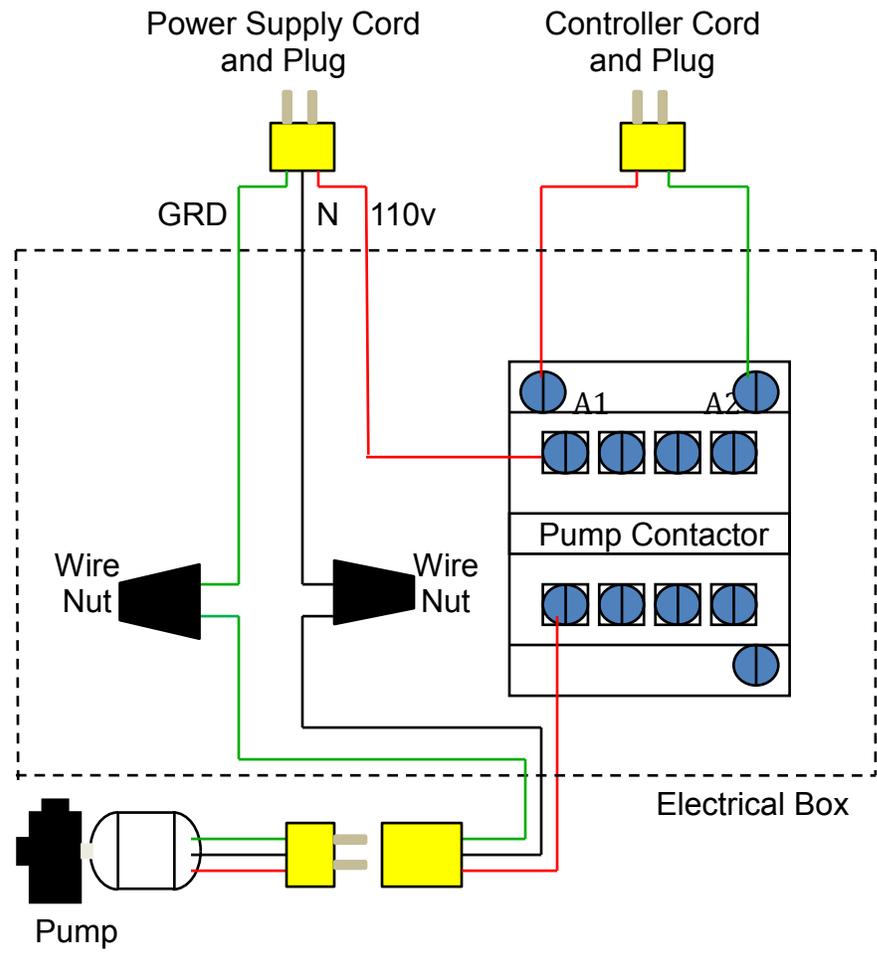
- 1 ea ¾" x 1" reducing male adapter
- 1 ea 1" PVC flex hose 18" long
- 1 ea Bushing 1½" x 1" Soc x Soc
- 1 ea ¾" pump discharge assembly
- 1 ea ¾" OD PE tubing 3 feet
- 1 ea ¼" MPT x ¾" speed fitting
- 1 ea ½" x ¼" Bushing T x T
- 1 ea Hayward pump 1 hp
- 1 ea electrical box w/cords

Kit is shipped in 2 boxes. One box for the pump and one box for the other parts.

This kit is used for multiple chlorinator models. Some parts are not used for every model. Some parts from the chlorinator may need to be used – do not discard parts until installation is complete.



Installation Schematic



Electrical Box Schematic

Direct Injection Installation

When to use this Installation

1. With a chemical controller
2. Where direct injection of chlorine is preferred

Additional Parts Required

- [2] Ball Valves for isolation ($\frac{3}{4}$ " suggested)
- $\frac{3}{4}$ " or larger flexible tubing or PVC pipe
- Miscellaneous fittings (depends on the size of pipe/hose used)
- Miscellaneous Screws to mount relay box

Installation Instructions

1. Place the chlorination system in a convenient location near the application point.
2. Level the system. This is important for proper chlorine delivery.
3. Place the injection pump on the floor near the chlorinator.
4. Place the Relay Box on the wall near the chemical Controller (if available) and a 120V electrical outlet; **DO NOT** plug cords into electrical outlets until start-up.
5. Install the chlorinator supply line off the pool return line by the following steps:
 - a. Install a *Saddle Clamp* **or** Plumb a *Pipe Tee* **or** *Drill & Tap* for a $\frac{3}{4}$ " line into the pool return line.
 - b. Install chlorinator inlet assembly to the inlet of the chlorinator following the instructions in the chlorinator Installation Manual.
 - c. Using $\frac{3}{4}$ " pipe or tubing and appropriate fittings, connect from the inlet isolation valve to the chlorinator inlet assembly (90° elbow at bottom of flow meter).
6. Install the Suction Side of the Injection Pump by the following steps:
 - a. Thread the 1" male pipe adapter into the feeder discharge (some models do not require this).
 - b. Cement the $1\frac{1}{2}$ " x 1" bushing in the pump suction.
 - c. Cement the 1" PVC flex hose to the feeder discharge and pump suction. Cut 1" PVC flex hose to required length.
7. Connect the ' $1\frac{1}{2}$ " x $\frac{1}{2}$ " Bushing' side of the Injection Pump Discharge Assembly to the pump discharge.
8. Assemble the Pump Self-Prime Line by the following steps:
 - a. Remove the $\frac{1}{2}$ " plug in the side wall of the chlorinator.
 - b. Thread the $\frac{1}{2}$ " x $\frac{1}{4}$ " Bushing into the side wall of the chlorinator so that the threads are inside of the chlorinator.
 - c. Thread the $\frac{1}{4}$ " 90° elbow into the $\frac{1}{2}$ " x $\frac{1}{4}$ " Bushing inside the chlorinator.
 - d. Thread the $\frac{1}{4}$ " Quick connect fitting to the $\frac{1}{2}$ " x $\frac{1}{4}$ " Bushing outside the chlorinator.

- e. Cut the 3/8" Blue Polyethylene Tubing to a desired length and 'push' into the quick connect fitting attached to the Pipe tee on the Injection Pump Discharge Assembly and the quick connect fitting attached to the chlorinator wall.
9. Install Injection Pump Outlet Line by the following steps:
 - a. Install a *Saddle Clamp* or Plumb a *Pipe Tee* or *Drill & Tap* into the pool return line downstream of the chlorinator supply line.
 - b. Install an outlet isolation valve (ball valve).
 - c. Using the 3/4" PVC hose, or pipe and appropriate fittings, connect the outlet isolation valve to the gate valve on the Injection Pump Discharge Assembly.

Start Up Instructions

1. Completely close the Gate Valve on the Injection Pump Discharge Assembly; then open the Gate Valve by 2 whole turns.
2. Open the Inlet Isolation Valve to allow the Chlorinator to Fill with Water (this is to prevent air from entering the pump suction).
3. Open the Outlet Isolation Valve.
4. Plug the booster pump electrical cord into the relay box cord labeled "Pump".
5. Plug the relay box cord labeled "120 Volt" into a 120V electrical outlet.
6. If using a controller to manage chlorine residual, plug the cord labeled "Controller" into the chemical controller.
7. If NOT using a controller to manage chlorine residual, plug the cord labeled "Controller" into an electrical outlet.
 - a. Adjust the chlorine control valve (gate valve on Pump Discharge Assembly) to the desired setting.
 - b. Check available chlorine regularly to determine the best setting.
8. Refill the chlorinator with the appropriate tablets as needed to maintain chlorine level.

