



Versa Plumb® Kits Installation Instructions

WARNING

FOR YOUR SAFETY - ONLY the plumbing pieces in the Versa Plumb kits as shown in figures 3, 4, and 5 are intended for “do it yourself” (DIY) homeowner installation. Any pool equipment such as heaters, filters, pumps, etc. must be installed and serviced by a contractor who is licensed and qualified in pool equipment by the jurisdiction in which the product will be installed where such state or local requirements exist. In the event no such state or local requirement exists, the service provider or maintainer must be a professional with sufficient experience in pool equipment service and maintenance so that all of the instructions in this manual can be followed exactly. Before installing this product, read and follow all warning notices and instructions that accompany this product. Failure to follow warning notices and instructions may result in property damage, serious injury, or death. Improper installation and/or operation will void the warranty.

These instructions are to be used with the following Versa Plumb Kits:

VPK-CVSTD -- CV Standard, Versa Plumb Kit

VPK-CVSLR -- CV Solar, Versa Plumb Kit

VPK-CSSTD -- CS Standard, Versa Plumb Kit

WARNING

These instructions address the installation of the Jandy Pro Series Versa Plumb Kits only. In order to prevent risk of electrical shock, carbon monoxide poisoning, explosion, or fire, which could result in property damage, serious injury or death, installation and servicing of any pool equipment other than the Jandy Versa Plumb Kits must be done only by a contractor who is licensed and qualified in pool equipment by the jurisdiction in which the product is installed where such state or local requirements exist. In the event no such state or local requirement exists, the service provider or maintainer must be a professional with sufficient experience in pool equipment service and maintenance so that all of the instructions in the specific products' manual can be followed exactly.

1. Introduction

This document gives instructions to install and plumb the Versa Plumb kit for your pool/spa equipment pad.

The instructions were written with safety as the priority and must be followed exactly. Not following the written procedure or taking shortcuts may increase the risk of personal injury. Read through the instructions completely before starting the procedure.

Before starting the procedure, use the parts list at the back of these instructions to identify the parts that are in your kit. If any parts are missing from the kit please call your local Jandy distributor for assistance.

For technical assistance, please contact our Technical Support Department at 1.800.822.7933.

2. Ordering Information

To order or purchase parts for the Versa Plumb system, contact your nearest Jandy dealer or distributor. If they cannot supply you with what you need, call Zodiac Pool Systems, Inc. at 1.800.822.7933. In Canada call Zodiac Pool Systems Canada, Inc. Customer Support Department at 1.888.647.4004.

3. Installation Instructions

⚠ WARNING

In order to prevent risk of electrical shock, fire, or Carbon Monoxide poisoning, before beginning the installation of the Jandy Pro Series Versa Plumb Kit, be sure to do the following:

- Turn off all electrical power, gas supply and other sources of power to the pool equipment.
- Follow the pool filter's installation instructions to properly drain the filter for service.

⚠ WARNING

Before restarting the system, consult the installation and operating manuals for each piece of equipment for proper startup procedures.



NEVER start pump while standing within five (5) feet of the filter. Starting the pump while there is pressurized air in the system can cause the filter lid to be blown off, which can cause death, serious personal injury or property damage.

⚠ WARNING

In order to minimize the possibility of ingesting potentially toxic substances which could cause injury from illness, including death, whenever the instructions call for the use of "CPVC cement", use a cement that has been listed by NSF® or an equivalent Nationally Recognized Testing Laboratory (NRTL) or certification body. Read and follow the cement manufacturer's danger and cautionary statements and instructions for use.

A. CV Standard Kit (VPK-CVSTD)

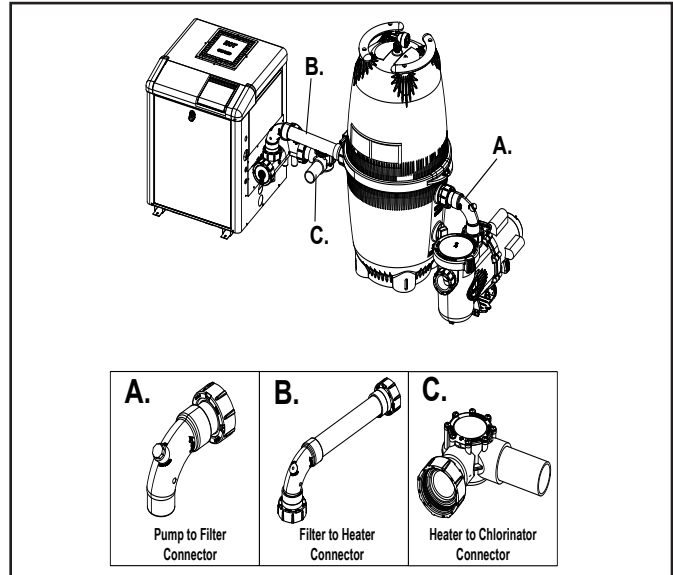


Figure 1. CV Standard Equipment Pad

1. Position the pool suction and return lines in front of the equipment pad location.
2. Position the various equipment pad components. Bring the suction and return piping up through the perforated holes on the template.
3. Connect the pump to the suction lines (pool only or pool/spa combo) using CPVC cement and primer. The length of pipe into the suction port of the pump should be a minimum of four (4) times the pipe diameter.
4. Use CPVC cement and primer and connect the pump to the filter using the sweep elbow with the ½" NPT plug component of the kit, marked as "A" in figure 1. This positions the filter.
5. Use CPVC cement and primer and connect the filter to the heater using the straight length of pipe with union nuts on both ends, marked as "B" in figure 1. This positions the heater.
6. Attach the check valve (marked as "C" in figure 1) to the outlet of the LXi™ making sure the flow arrow points in the correct direction.
7. If desired, attach a salt chlorinator spool or a blank spool assembly provided in this kit to the check valve and then run the return line from the spool to the trench using CPVC cement and primer.

NOTE Also included in the Versa Plumb Kit are two (2) additional 3-way valves and a spare 12" of pipe for your use in the event that you add additional components on the return system.

B. CV Solar (VPK-CVSLR)

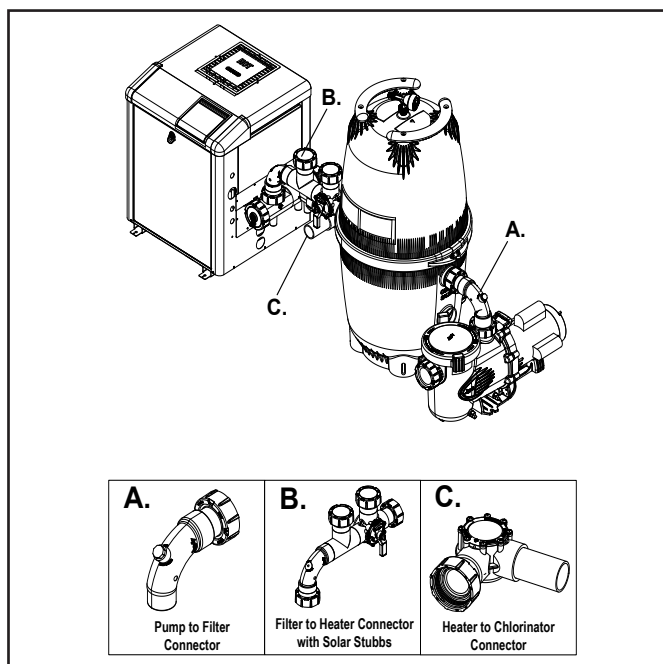


Figure 2. CV Solar Equipment Pad

1. Position the pool suction and return lines in front of the equipment pad location.
2. Position the various equipment pad components. Bring the suction and return piping up through the perforated holes on the template.
3. Connect the pump to the suction lines (pool only or pool/spa combo) using CPVC cement and primer. The length of pipe into the suction port of the pump should be a minimum of four (4) times the pipe diameter.
4. Use CPVC cement and primer and connect the pump to the filter using the sweep elbow with the ½” NPT plug component of the kit, marked as “A” in figure 2. This positions the filter.
5. Use CPVC cement and primer and connect the filter to the heater using the provisional solar assembly component with union nuts on both ends, marked as “B” in figure 2. This positions the heater.
6. Attach the check valve (marked as “C” in figure 2) to the outlet of the heat pump making sure the flow arrow points in the correct direction.
7. If desired, attach a salt chlorinator spool or a blank spool assembly provided in this kit to the check valve and then run the return line from the spool to the trench using CPVC cement and primer.

NOTE Also included in the Versa Plumb Kit are two (2) additional 3-way valves and a spare 12” of pipe for your use in the event that you add additional components on the return system.

B.1 Piping and Valve Connections to the Solar Stub-Outs

IMPORTANT

To avoid potential hazard to the user, the United States Consumer Products Safety Commission has determined that the temperature of the water at the INLET to a pool or spa must not exceed 122°F (50°C).

NOTE: The water in a spa should never exceed 104°F (40°C). Water temperatures between 100°F (38°C) and 104°F (40°C) are considered safe for a healthy adult. Lower water temperatures are recommended for young children and when spa use exceeds 10 minutes.

Solar collector panels **MUST** drain down completely when the circulating pump is off. To allow this, the solar collector panels must be installed at an elevation higher than the pool surface, and the solar collector panels **MUST** be provided with an automatic air relief/vacuum-breaker valve at the top of the collector panel(s).

⚠ WARNING

To prevent equipment damage and/or scald hazards to the user, only solar collector panels with automatic air relief/vacuum breaker valves should be used. Solar collector panels **MUST** drain down when the circulation pump is off.

Read all manufacturer’s equipment installation instructions and safety information before installation, testing, or operation of the system.

Release all air from the system before testing. Water pressure for test must not exceed 35 psi. Water temperature for test must not exceed 100°F (38°C).



NEVER start pump while standing within five (5) feet of the filter. Starting the pump while there is pressurized air in the system can cause the filter lid to be blown off, which can cause death, serious personal injury or property damage.

NOTE The check valve and the Jandy valve actuator (shown in figure3) are not included in the CV Solar Versa Plumb Kit.

1. Install a check valve and piping (see Figure 3).
2. Install the Jandy valve actuator onto the Jandy 3-port diverter valve (see Figure 3).

3. Install the solar controller (not shown) per the manufacturer’s instructions and connect to the Jandy valve actuator on the Jandy 3-port diverter valve. The Jandy valve actuator must be adjusted to provide the diverter positions shown in Figures 4 and 5 in conjunction with the solar controller.

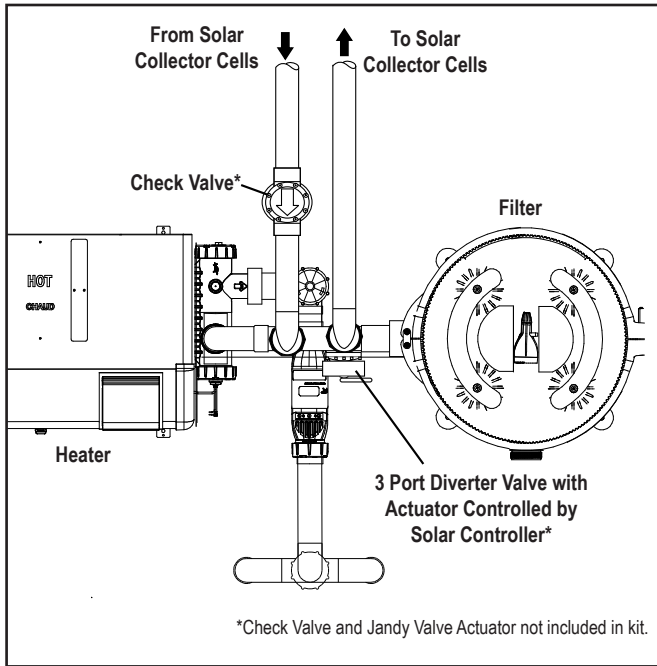


Figure 3. Connections from Versa Plumb® piping to the Solar Connector

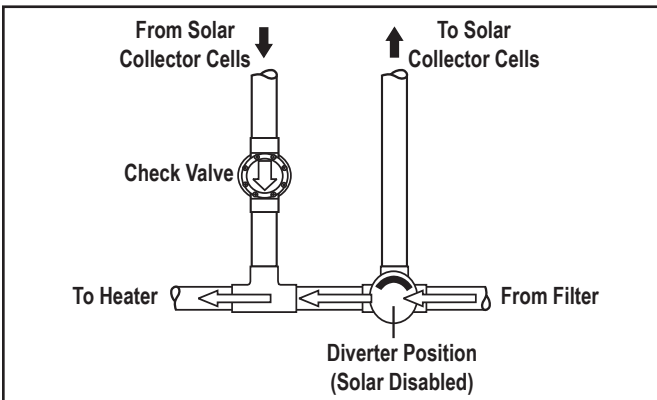


Figure 4. Diverter Valve Position (Solar Disabled)

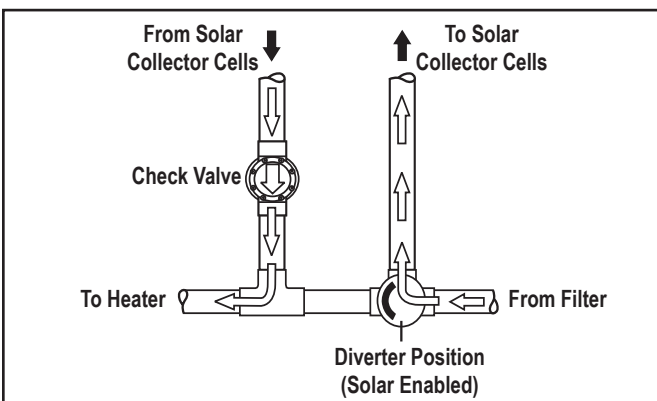


Figure 5. Diverter Valve Position (Solar Enabled)

C. CS Standard (VPK-CSSTD)

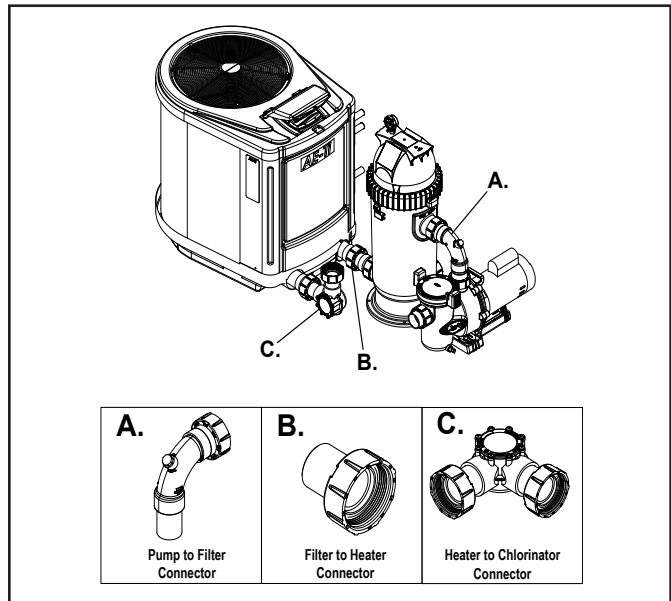


Figure 6. CS Standard Equipment Pad

1. Position the pool suction and return lines in front of the equipment pad location.
2. Position the various equipment pad components. Bring the suction and return piping up through the perforated holes on the template.
3. Connect the pump to the suction lines (pool only or pool/spa combo) using CPVC cement and primer. The length of pipe into the suction port of the pump should be a minimum of four (4) times the pipe diameter.
4. Use CPVC cement and primer and connect the pump to the filter using the sweep elbow with the ½” NPT plug component of the kit, marked as “A” in figure 6. This positions the filter.
5. Use CPVC cement and primer and connect the filter to the heat pump using the flange tail piece with union nut, marked as “B” in Figure 6. Use CPVC cement and primer and glue the flange tail piece directly into the standard tail piece on the heat pump inlet port. This positions the heat pump.
6. Attach the check valve (marked as “C” in figure 6) to the outlet of the heat pump making sure the flow arrow points in the correct direction.
7. If desired, attach the salt chlorinator spool or a blank spool assembly provided in this kit to the check valve and then run the return line from the spool to the trench using CPVC cement and primer.

NOTE Also included in the Versa Plumb Kit are two (2) additional 3-way valves and a spare 12” of pipe for your use in the event that you add additional components on the return system.

4. Parts List

A. CV Standard Kit (VPK-CVSTD)

Description	Qty
Filter to Heater Connector	1
Heater to Chlorinator Connector	1
Pump to Filter Connector	1
12" Pipe	1
Blank Spool Assembly	1
3-Way Valve	2
Installation Instructions	1

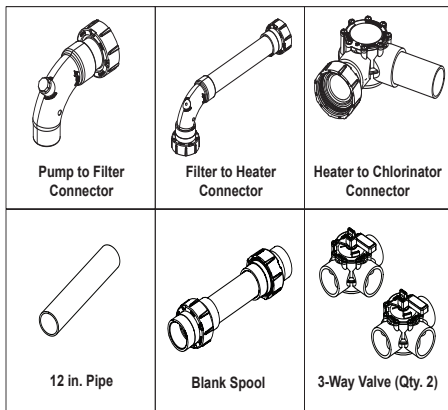


Figure 7. CV Standard Kit

C. CS Standard Kit (VPK-CSSTD)

Description	Qty
Filter to Heater Connector	1
Heater to Chlorinator Connector	1
Pump to Filter Connector	1
12" Pipe	1
Chlorinator Spool Assembly	1
3-Way Valve	2
Installation Instructions	1

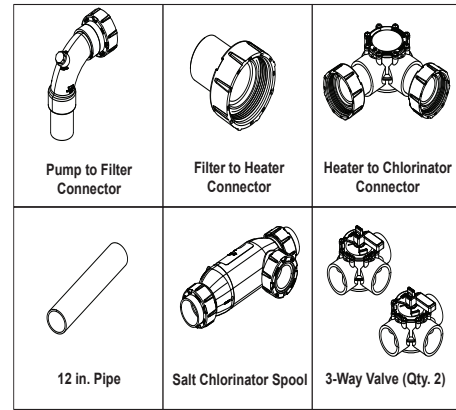


Figure 9. CS Standard Kit

B. CV Solar Kit (VPK-CVSLR)

Description	Qty
Filter to Heater Connector	1
Heater to Chlorinator Connector	1
Pump to Filter Connector	1
12" Pipe	1
Blank Spool Assembly	1
3-Way Valve	2
Installation Instructions	1

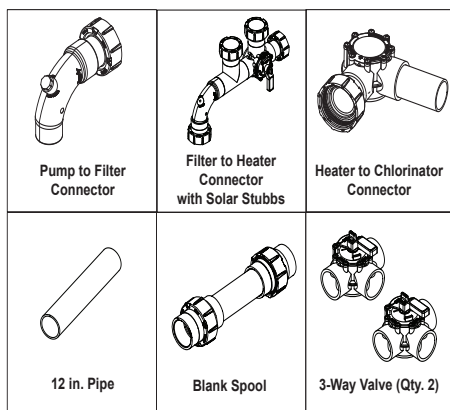


Figure 8. CV Solar Kit

5. Reference Diagrams

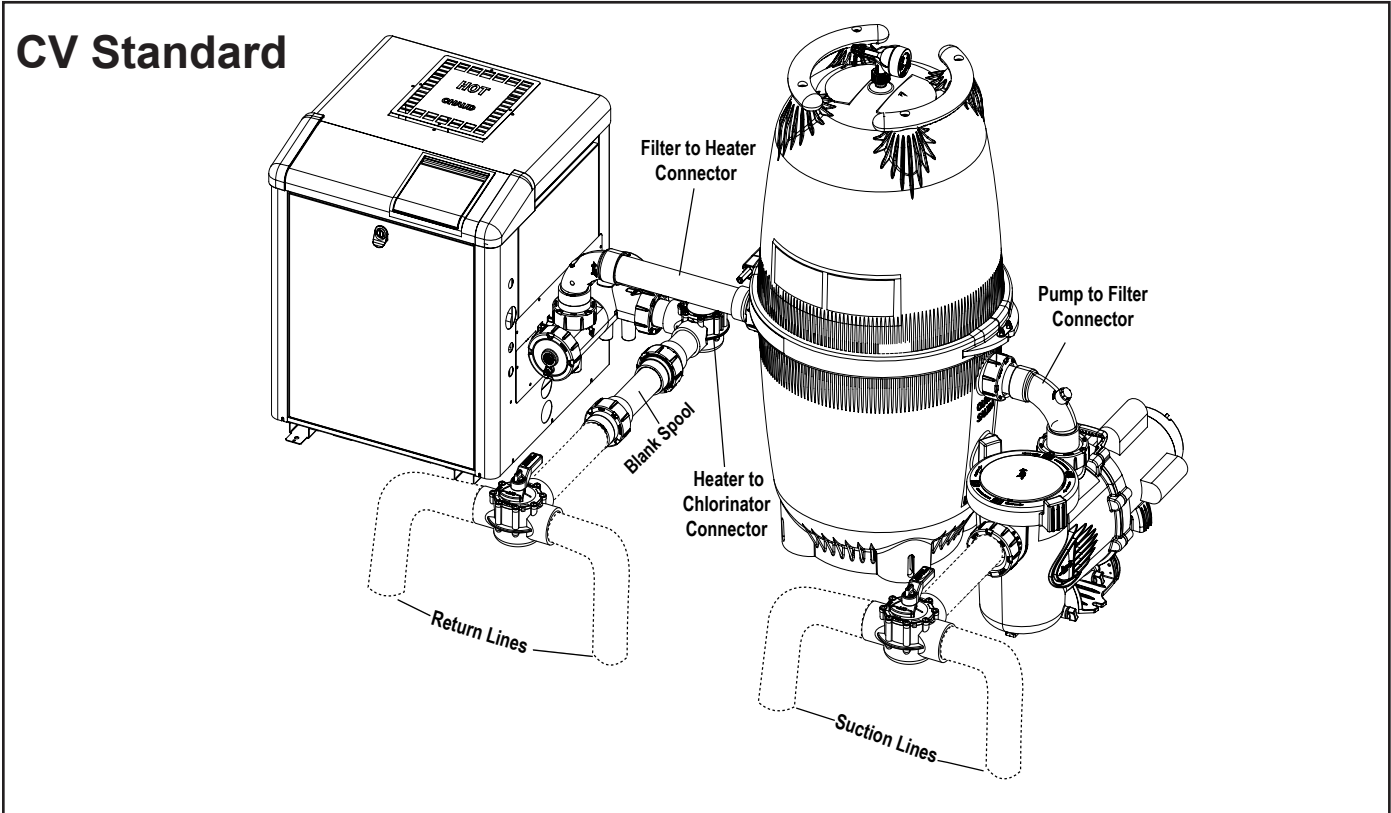


Figure 10. CV Standard Installation Diagram

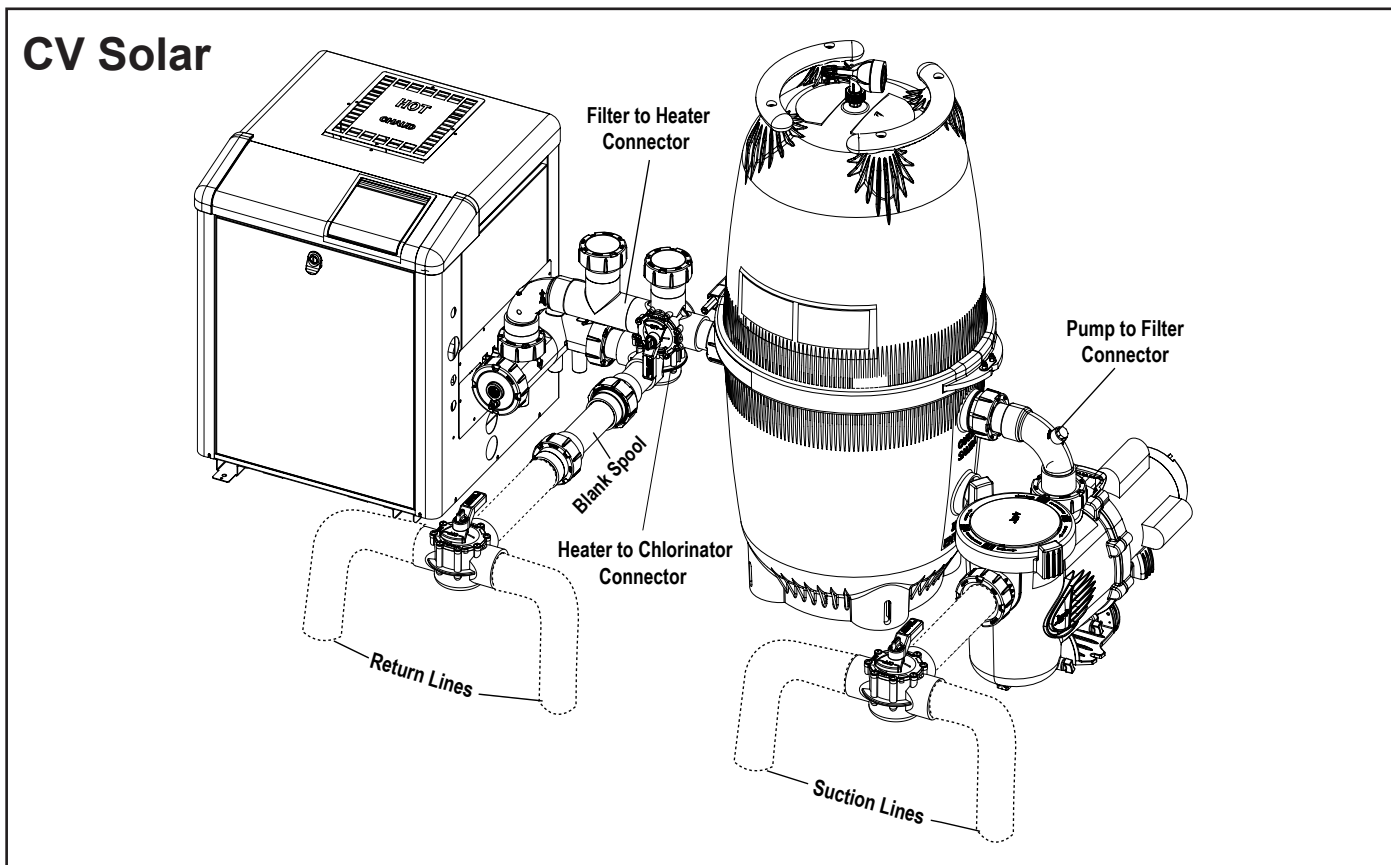


Figure 11. CV Solar Installation Diagram

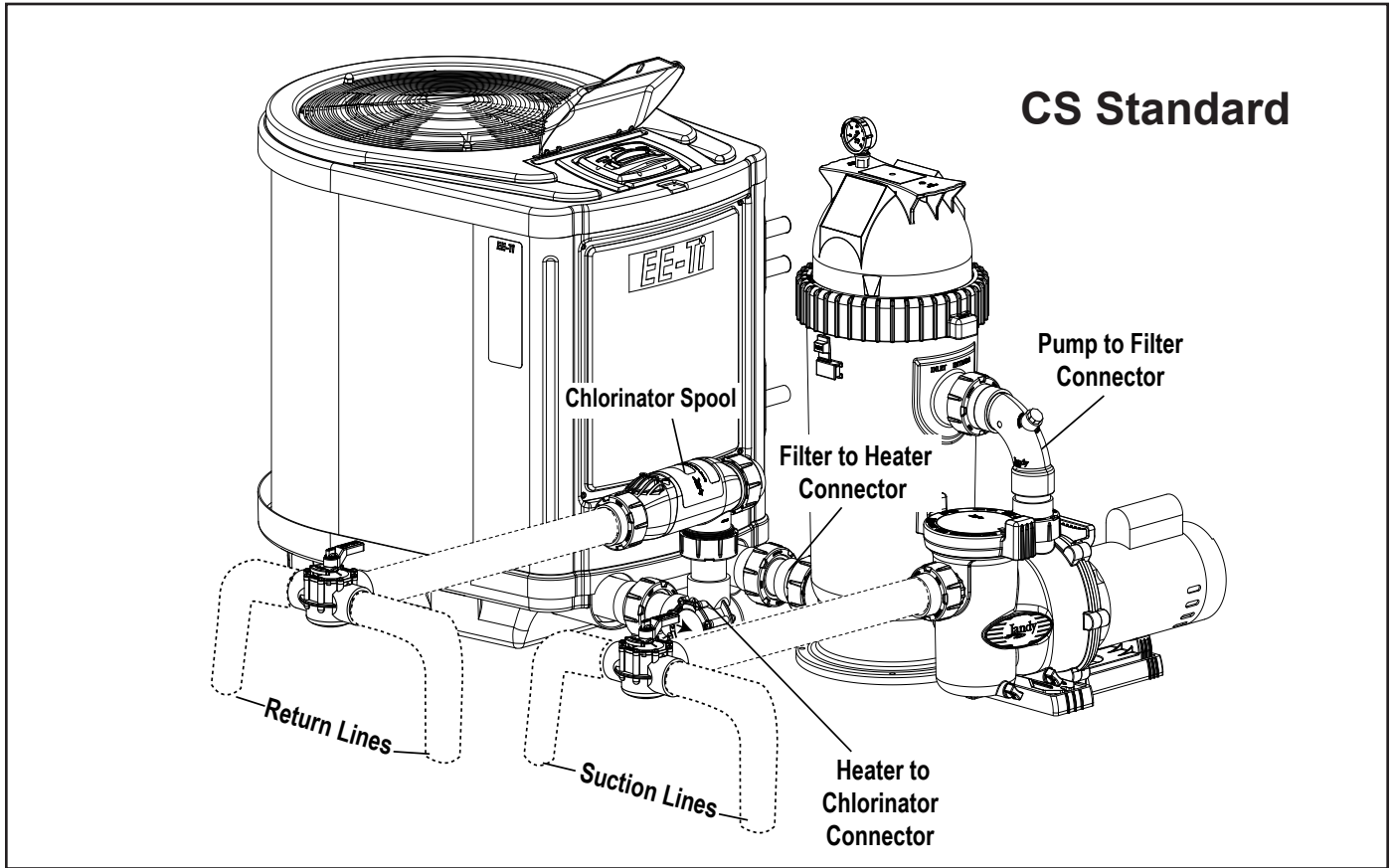


Figure 12. CS Standard Installation Diagram

6. Plumbing for Pool and Spa Combination

The following plumbing diagrams illustrate simplified versions of standard plumbing setups for a pool and spa that share the same filter pump, filter, and heater. The intake and return JVA's turn simultaneously so when the spa button is pressed on the AquaLink® RS control panel, water circulation switches between pool and spa (consult the *Jandy Valve Actuator Installation and Operation Manual* to ensure that the JVA's are synchronized and rotate properly). Please consult the Jandy Valve® Plumbing Manual for further examples of pool/spa plumbing.

NOTE When the filter system is shared (a pool/spa combo), the spa water must be able to overflow back to the pool.

WARNING

Flow rates must never exceed the manufacturer's flow maximums for any suction fittings or skimmers. Additional fixed adjustment valve(s) or flow restrictors may need to be installed. Exceeding manufacturer's recommended flow rates may cause serious personal injury or death.

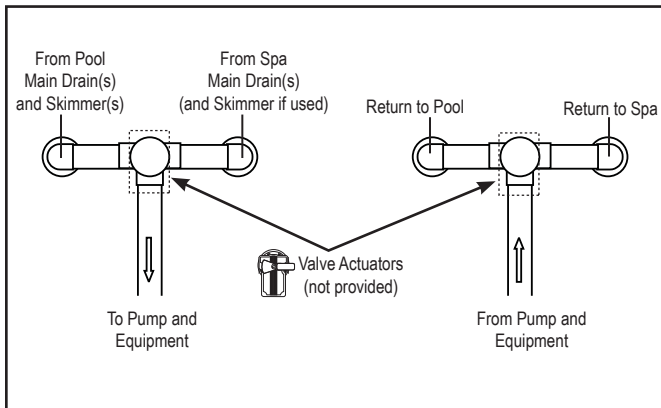


Figure 13. Plumbing for Pool and Spa Combination Shown on Template*

NOTE Provisions that join together the piping from the pool main drain(s) and skimmer(s) and any fixed flow control valves or flow restrictors are not shown. Piping from the spa main drain and skimmer (and a fixed flow control valve or flow restrictor for a skimmer, if used) are not shown.

For the following installation or reference manuals, visit the jandy.com website or call 1.800.822.7933:

- Jandy Valve Actuator Installation and Operational Manual
- AquaLink RS All Button and OneTouch™ Control Systems Installation Manual
- Jandy Valve Plumbing Manual

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NOTE The water in a spa should never exceed 104°F (40°C). Water temperatures between 100°F (38°C) and 104°F (40°C) are considered safe for a healthy adult. Lower water temperatures are recommended for young children and when spa use exceeds 10 minutes.

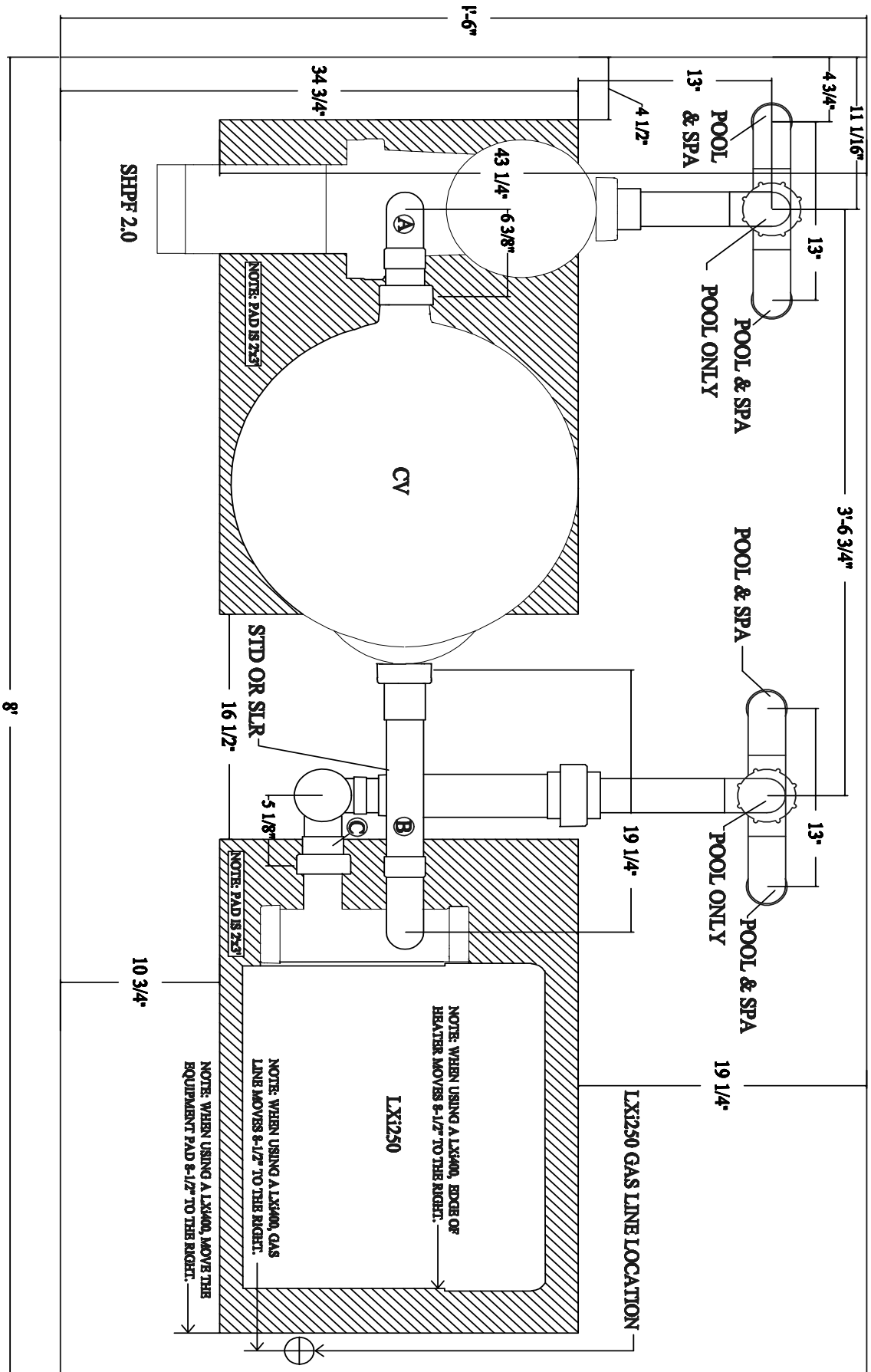


Figure 14. Versa Plumb® Installation Diagram (CV Standard and CV Solar Kit)

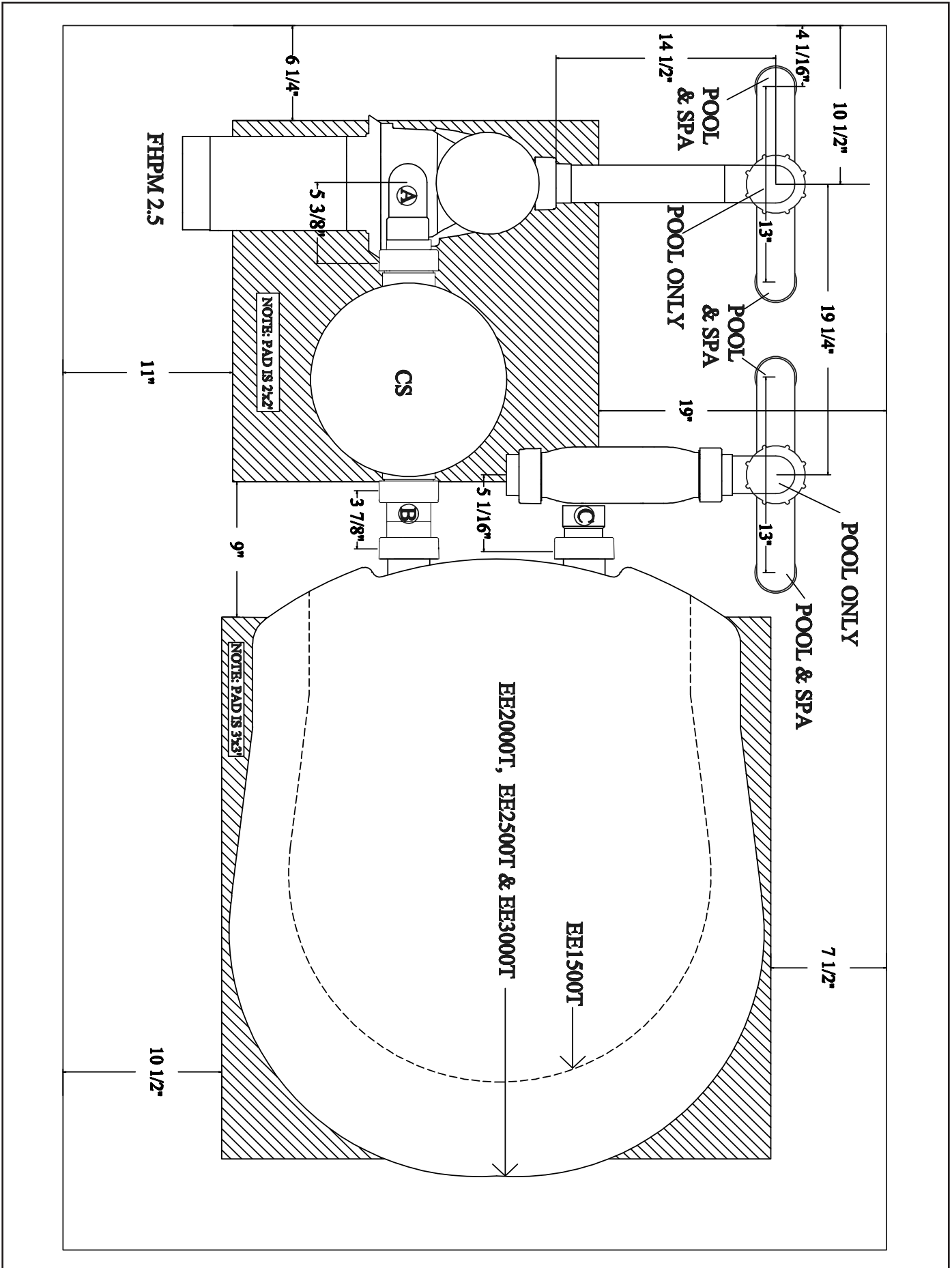


Figure 15. Versa Plumb® Installation Diagram (CS Standard)

NOTES

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H0330900 Rev C