June 2025

Quick4Plus® Pressure Distribution Systems
Installation Instructions

Before You Begin

Quick4 Plus Chambers can only be installed according to state and/or local regulations. Soil and site conditions must be approved prior to installation. Conduct a thorough site evaluation to determine proper sizing and siting of the system before installation.

MATERIALS AND EQUIPMENT NEEDED

- ☐ Quick4 Plus Chambers
- ☐ Quick4 Plus All-In-One Endcaps
- ☐ PVC Pipe and Couplings
- ☐ Backhoe
- ☐ Laser, Transit or Level
- ☐ Tape measure
- ☐ Shovel and Rake
- ☐ Utility Knife
- ☐ 1 1/4-inch Drywall Screws*
- ☐ Screw Gun*
- ☐ Small Valve-cover Box*
- ☐ 4-inch Cap Inspection Port

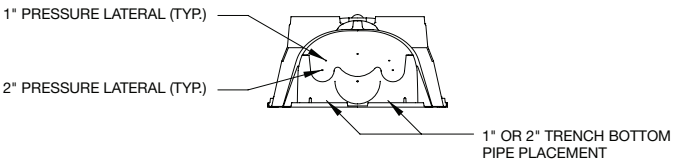
*Optional

These guidelines for construction machinery must be followed during installation.

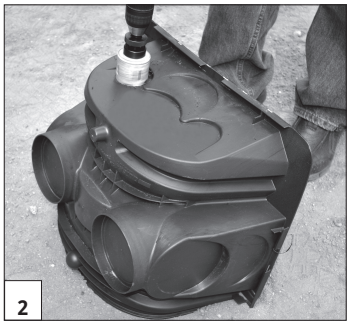
- ☐ Avoid direct contact with chambers when using construction equipment. Chambers require a 12-inch minimum of compacted cover to support a wheel load rating of 16,000 lbs/axle or equivalent to an H-10 AASHTO load rating.
- ☐ Only drive across the trenches when necessary. Never drive down the length of the trenches.
- ☐ Avoid stones larger than 3 inches in diameter in backfill. Remove stones this size or larger that are in contact with chambers.

Installing the Chambers and Endcaps

1. To allow pressure laterals to drain after each dose, drill a hole in the bottom of the pipe at the end of the pressure line. Place the snap-off splash plate or a paving block at the bottom of the trench to protect the infiltrative surface from erosion.



2. With a hole saw, drill out the appropriate diameter hole to accommodate the pressure lateral pipe.

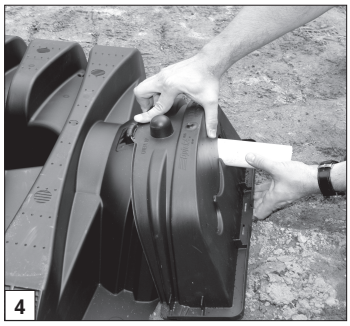


Drill pressure pipe hole.

3. Insert the pressure lateral pipe into the endcap's drilled opening and slide it into the manifold pipe. Glue the pressure lateral pipe to the manifold pipe.

4. With the pressure lateral pipe through the endcap, place the back edge of the endcap over the inlet end of the first chamber. Be sure to line up the locking pins on the top of both the chamber and endcap.

Note: Health departments may require a wet-run pressure check to be done prior to chamber installation when the pipe is laying on the ground. Check with your local health department for the proper procedure.

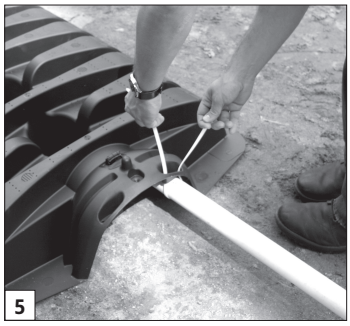


Place endcap over inlet end.

5. (Method A) Secure the pressure lateral pipe to the top of the first chamber with a plastic pipe strap at the outlet end of the unit. Slide the strap up through a slot in the chamber top, down through the other slot, and cinch the two ends around the pipe.

6. (Method B) With the holes pointing up, stabilize the pressure lateral pipe on the ground to prevent it from moving.

7. Lift and place the next chamber onto the previous one at a 45-degree angle. Line up the chamber end between the connector hook and locking pin at the top of the first chamber. Lower it to the ground to engage the interlocks.



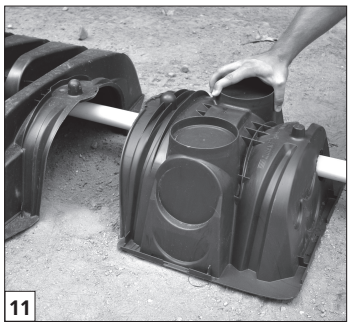
Secure pressure pipe.

8. (Method A) Secure the lateral pipe to the top of the next chamber once in place. Follow the same method in Step 5.

9. Continue interlocking chambers and securing the pipe until the trench is completed.

10. Before attaching the final endcap, it may be necessary to remove the tongue of the connector hook on the last chamber with a pair of pliers depending on your pipe diameter.

11. Insert the pressure lateral pipe through the hole in the final endcap and slide the endcap toward the last chamber. Lift the endcap over the modified connector hook and push straight down to secure it to the chamber.



Lateral pipe

Note: If cleanout extensions are required, use a hole saw to cut a hole in the top of the Quick4 Plus All-In-One Endcap so the pressure lateral pipe with an elbow can extend to the ground surface. For cleanout access, use the "Installing Optional Inspection Ports" section in the general installation instructions.

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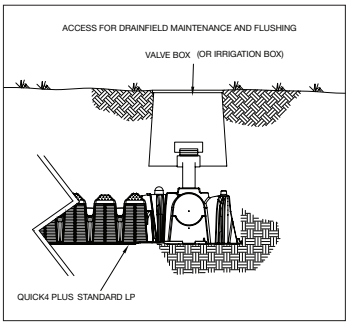
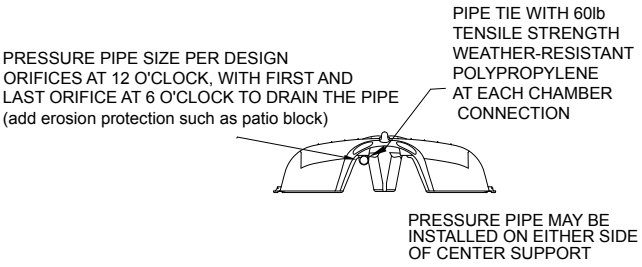


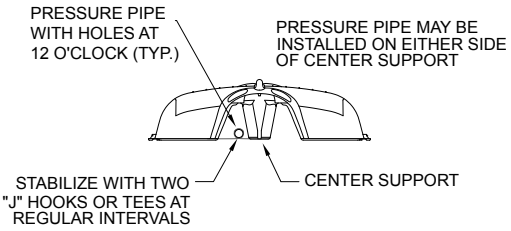
12. If installing multiple rows of chambers, follow Steps 1-9 to lay the next row of chambers parallel to the first. Keep a minimum separation distance between each row of chambers as required by local code.

Quick4 Plus Standard Low Profile Chamber
Quick4 Plus Equalizer 36 Low Profile Chamber

Method A: Top Placement

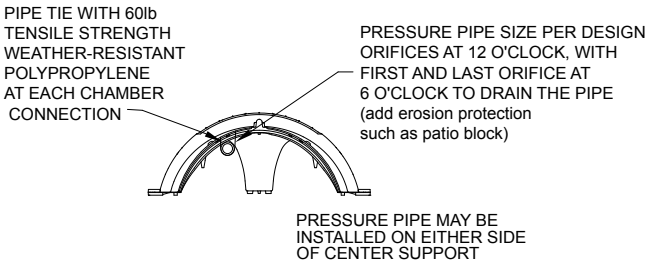


Method B: Bottom Placement

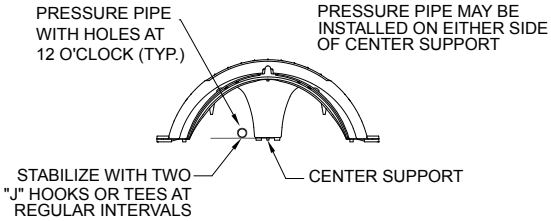


Quick4 Plus Standard Chamber
Quick4 Plus High Capacity Chamber

Method A: Top Placement



Method B: Bottom Placement



Contact Infiltrator's Technical Services Department for assistance at 1-800-221-4436 or info@infiltratorwater.com