

FOR LICENSED PLUMBERS ONLY

This guide provides general installation direction. Every home is different. The licensed installer is responsible for confirming all connections are secure and leak-free before leaving the site.

BEFORE YOU BEGIN

1. Plumbing codes vary by region. Please confirm the homeowner is aware of this installation, and ensure all local codes, regulations, and applicable laws are followed.
2. Please ensure both the installer and homeowner read this manual and watch the installation video from start to finish. For safety and best results, carefully follow all the steps outlined here, review all installation materials, and read the full Terms and Conditions before beginning.
3. For best performance, we recommend installation by a certified, licensed professional.

Questions at any point? Contact our 24/7 support line.

1 Confirm Kit + Inspect Components

Verify contents:

- (2) dual-filter units
- (2) pressure gauges (pre-assembled)
- (2) PVC manifolds
- (4) stopper adapters
- (8) yellow safety clips
- (2) wall anchors + (2) mounting screws

Inspect system integrity:

- No cracks or damage on the dual-filter units, manifolds, or housings
- Cartridges fully seated and locked
- O-rings seated properly in ports
- PVC manifolds and threaded adapters are clean and undamaged
- PURELY logos facing forward

Do not proceed if anything is missing or damaged.

2 Choose Mounting Location + Confirm Flow

Select a location with:

- A solid mounting surface (or space for a backboard)
- Minimum 2 inches clearance below the unit
- Enough clearance to remove cartridges during service
- Enough side clearance for the PVC manifolds and plumbing connections

Confirm flow direction:

- Identify incoming main water line and flow direction
- Lower pipes = INLETS, where water enters the system
- Upper pipes = OUTLETS, where filtered water exits
- Both left and right sides can be used for the inlet; the same applies to the outlet
- Choose left/right inlet-outlet orientation based on the plumbing layout

Understand manifold flow:

- With a 4-Stage setup, the two dual-filter units connect using the PVC manifolds
- The inlet manifold splits the supply into both housings
- The outlet manifold merges the filtered water flow back into one line

3 Prepare Manifolds + Threaded Connections

Black threaded adapters:

- Remove the black threaded adapters from both manifolds
- Apply Teflon tape clockwise to the threads on each black adapter
- Reinstall the black adapters into the female ports on the PVC manifolds
- Tighten until snug (do not overtighten)

Brass threaded adapters:

- Apply Teflon tape clockwise to the brass threaded adapters on each manifold
- Keep tape flush with no overhang into the opening

4 Assemble System + Secure Ports

Assembly:

- Place the filter heads upright and align them side by side
- Install the receiving manifold by connecting it to the lower pipes on the filter heads
- Install the exiting manifold by connecting it to the upper pipes
- Place stopper adapters on the remaining openings

Lock with yellow safety clips:

- Snap a yellow clip onto every quick-connect joint between the inlets, outlets, adapters, and stoppers
- Confirm each clip locks into the circular groove and there are no gaps
- If a clip feels slightly loose or there is a small gap, apply gentle pressure until it locks securely in place
- Clip orientation: bottom/inlet clips open upward; top/outlet clips open downward

5 Mount the System

Mounting:

- Install a rigid mounting backboard and anchor into studs/masonry for long-term stability
- Mount the system in the chosen location
- During mounting, the front-facing system will drop slightly — the dual-unit assembly is designed to self-align, so weight is evenly distributed across both units
- Confirm the system is level
- Confirm there is at least 2 inches clearance below the unit
- Confirm cartridge removal is accessible

Final alignment:

- Ensure PURELY logos face forward
- Confirm cartridges are locked in place; rotate until fully seated and locked if needed

6 Integrate Plumbing + Valves (Service-Friendly Setup)

Shut down:

- Shut off the home main water supply
- Open a nearby faucet to relieve pressure

Recommended valve layout:

- Isolation valve on inlet line before the system
- Isolation valve on outlet line after the system
- Bypass valve on main line between inlet/outlet connections

Plumb the system:

- Home inlet line → inlet manifold / lower inlet side
- Outlet manifold / upper outlet side → home outlet line
- Confirm all connections are fully seated
- Confirm yellow clips are installed and locked on each quick-connect joint

7 Start-Up, Leak Check, Flush

Pressurize:

- Close bypass valve
- Open inlet/outlet isolation valves
- Slowly restore the main water supply
- Monitor both pressure gauges

Leak check:

- Inspect all joints, adapters, manifolds, and valves

- Tighten or adjust if required

Flush:

- Open the nearest faucet and flush for 5–10 minutes
- Initial cloudiness is normal during air purge

Final verification:

- Confirm no leaks
- Confirm stable pressure
- Confirm valves function properly

BEFORE REGULAR USE — FINAL CHECKS

Please review the following final checks with the certified installer before placing the system into regular use.

1. The cartridges are straight, properly seated, and unobstructed.
2. The system has been allowed to run for at least 20 minutes, with no dripping, leaks, unusual noises, or issues at any connections.
3. All local building codes, plumbing regulations, and applicable laws have been followed during installation.

To help ensure continued system performance and proper operation, the homeowner should periodically inspect the system for leaks, replace the cartridges in accordance with the guidelines, and contact Purely support immediately if any irregular operation is observed.

Installation Complete — The P1+ Defender 4-Stage Parallel System is now operational and supplying filtered water throughout the home.