

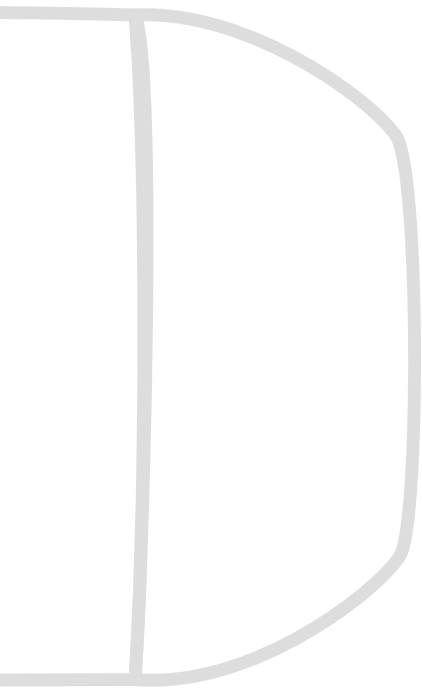


# buoy

Installation Guide

[buoy.ai](https://buoy.ai)

# Notes



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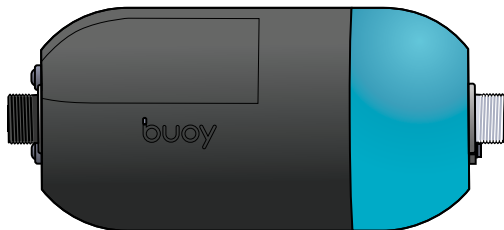
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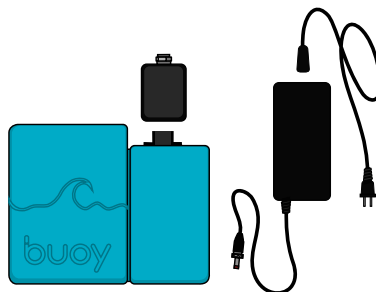
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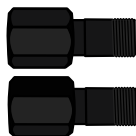
# In the Box



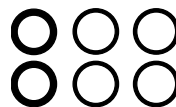
Buoy™ unit



Battery and Charger assembly



3/4" meter couplings (2)



Rubber gaskets (6)

## Also included:

- Buoy Quick Start Guide
- Buoy Installation Guide
- Buoy sticker
- Buoy tape measure



**PROFESSIONAL INSTALLATION STRONGLY RECOMMENDED**

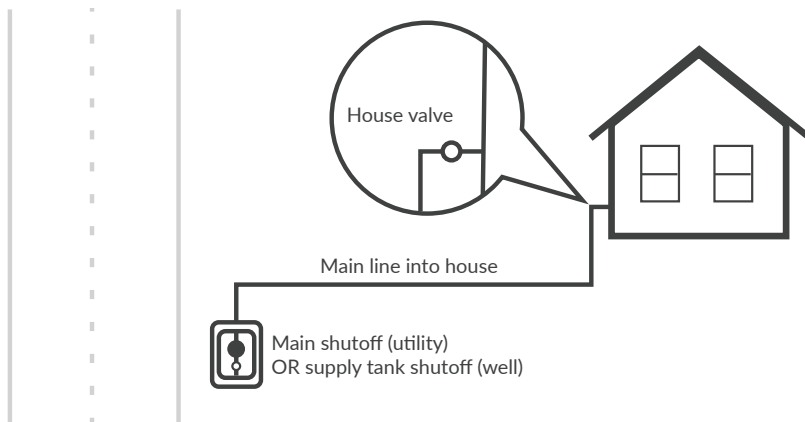
Contact a licensed plumber for professional installation of your Buoy

# Prepare for Installation

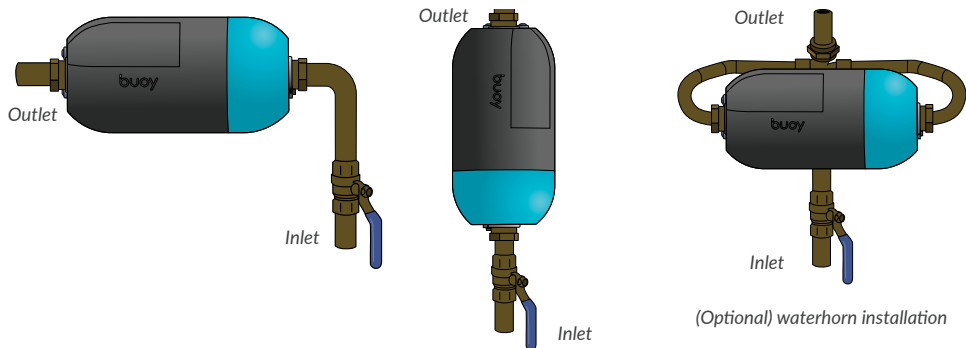
**Please note:** Buoy™ may only be installed in homes with an existing main water shutoff, and should NOT be installed on fire sprinkler water lines or fire suppression systems.

## Checklist prior to installation

- ☐ Before starting, take a photo of the main water line where the Buoy will be installed. This is a good reference for the installation process.
- ☐ Locate the water main into the house.
- ☐ Locate the house shutoff valve. The Buoy must be installed after the water main's manual shutoff and the utility water meter, if any. Additional fittings may be required.



- ☐ Remove the battery and charge until full, using the battery charging kit.
- ☐ If installing indoors, and plugging the Buoy in permanently, locate a nearby 110v power outlet. If there is no convenient outlet, or installing outdoors, the battery pack will power Buoy for up to 8 months between charges.

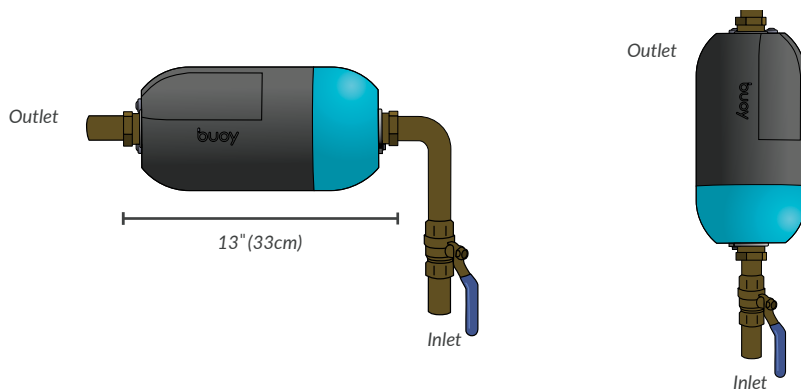


## Checklist prior to installation (continued)

- ☐ Identify a space for the Buoy. The device can be installed horizontally or vertically. Make sure the Buoy logo with LED light faces out. For vertical installations, be sure the outlet is above the inlet.
- ☐ Identify the diameter (adapters are required for anything other than  $\frac{3}{4}$ " ) and type of pipe (PVC, copper, galvanized).
- ☐ Turn off water at the home's main supply valve. Verify it is off by trying both hot and cold water in the house.
- ☐ Turn off the water heater input to prevent drain-out.
- ☐ Drain water from the entire house via any nearby hose bib.
- ☐ Protect the Buoy from scratches during setup by laying it on a soft surface or cardboard.
- ☐ Measure and mark the pipe for cutting.
- ☐ With pipe cutter or hacksaw, cut the pipe at your mark.
- ☐ Clean the ends of the cut pipe with steel wool or a similar sanding agent.

## Option 1: Install In-Line

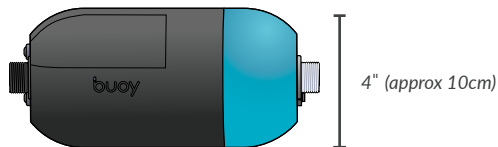
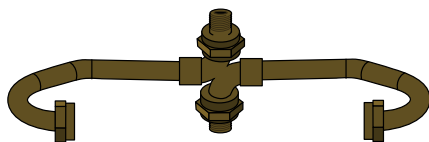
In-line installation requires a minimum pipe gap length of 13" for the Buoy and 5" for the optional 3/4" union joints. Allow extra space for any additional adapters needed (not included).



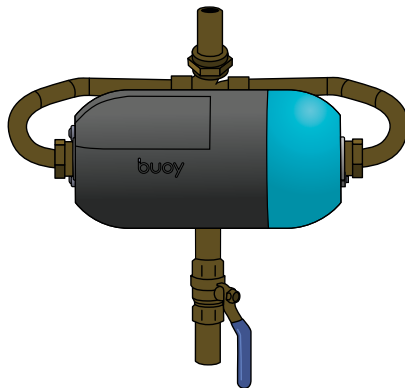
1. Install the optional couplings (included) using the thickest possible rubber washers (included). Use a smooth-jawed wrench for tightening. Do not use force or overtighten. Use teflon tape only if needed. Liquid thread sealer is not recommended.
2. Use the two rounded rubber gaskets (included) between the Buoy or coupling and the copper adapter compression nuts (not included).
3. Put the Buoy in place and tighten the compression nuts between the Buoy and the water lines. Make sure the Buoy logo is facing outward and the LED is visible.
4. Make sure the Buoy is securely braced.

## Option 2: Install with Optional Waterhorn Accessory

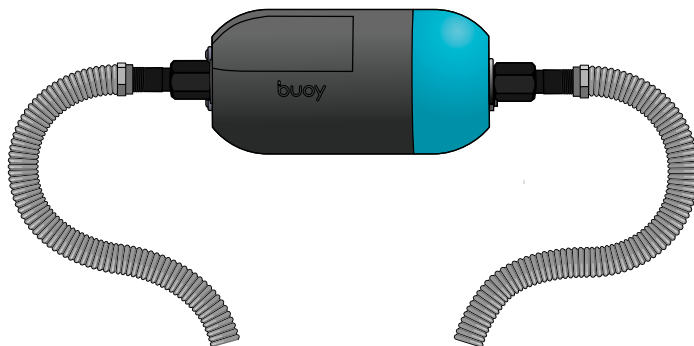
*Minimizes cut space with purchase of waterhorn accessory. Requires pipe gap length of approximately 4".*



1. Install copper FPT female adaptor (not included) on each pipe.
2. Place one white gasket inside each of the union fittings at the top and bottom of the waterhorn.
3. Assemble waterhorn union fittings, copper FPT female adaptors and the waterhorn. Tighten all fittings. Teflon/plumber's tape may be needed.
4. Place the Buoy in the waterhorn with a black gasket on each side, and tighten the swivel adaptors (do not overtighten). Make sure the Buoy logo is facing outward and the LED is visible.
5. Make sure the Buoy is securely braced.



### Option 3: Install with Flexible Line (not included)

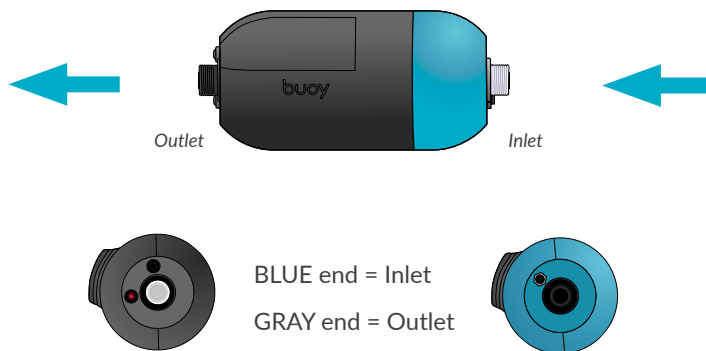


1. Attach the  $\frac{3}{4}$ " couplings with rubber gaskets (included) to each end of the Buoy.
2. Attach flexible lines to each coupling.
3. Use professional judgement to secure the Buoy to the wall with strapping, such as Unistrut or similar. The Buoy should be securely braced.
4. Make sure the Buoy logo is facing outward and the LED is visible.



# Post-Installation

*Be sure the blue end of Buoy faces the water INLET and the gray end of Buoy faces the water OUTLET.*



- ☐ Verify the Buoy's fit and check that the device is level and secure.
- ☐ Use the LED indicator to verify that the Buoy's power is on. The LED will glow white when power is connected, then begin to flash. It will stop flashing after about one minute.
- ☐ Turn on the water at the main.
- ☐ Verify that there are no leaks and that the house pressure is between 50 psi and 80 psi.
- ☐ Turn on the water heater input.
- ☐ Test: Ask the homeowner to run water through the system to verify normal water flow.
- ☐ Consult the Quick Start Guide to connect the Buoy to WiFi. Setup is now complete!

**Questions?** Contact Customer Service at [support.buoy.ai](https://support.buoy.ai).

# Notes



