

pH UNDER

Alkaline Antioxidant Water



Pure Hydration Under-Counter Owners Manual

A Cosan/USA Product

Thank You for Choosing a Cosan/USA Product

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**For Additional Information
on Installation:**

**Go to Cosanusa.net and
click on “Videos”**

PLEASE READ ENTIRE MANUAL BEFORE INSTALLING THE UNIT.

PRODUCT INTRODUCTION & SPECIFICATIONS

pH UNDER is a 4-cartridge all-natural Alkaline Antioxidant water system designed to be installed under the counter. With a filtration rating of 0.02-micron, pH UNDER effectively removes sediment, rust, heavy metals, microbes, bacteria, and viruses including 99.9% of more than 220 contaminants found in the world's water supply.

Four Stage Purification Design

Stage 1 Cartridge: rated at 6-months, effectively pre-filters incoming water and removes rust and sediment.

Stage 2 Cartridge: rated at 6-months, designed to reduce odor, chlorine, and organic matter.

Stage 3 Cartridge: rated at 3-months, creates high pH and molecular hydrogen (H₂) rich water while increasing ORP and further reducing odor and contaminants.

Stage 4 Cartridge: rated at 6-months, designed to capture micro-particles and serves as a finishing cartridge.

TECHNICAL PARAMETERS

- Source water temperature (4.4°C- 40°F) – (30°C – 85°F)
- Operating temperature (4.4°C- 40°F) – (30°C – 85°F)
- Flow rate: 2.5 liters per minute
- Inlet water pressure 30-60 PSI
- Stages 1,2 & 4 are rated at 6 months or (600 gallons / 2,272 liters)
- Stage 3 is rated at 3 months or (300 gallons / 1,136 liters)

INSTALLATION

Installing the Faucet *(Installation may vary slightly per faucet design)*



Start by identifying your desired location for the faucet. Keep in mind any obstructions under the sink. If your sink has a knockout plug or a soap dispenser not being used, you can utilize that hole instead of drilling one. If there is no hole available, simply drill a ½" hole in the desired location.

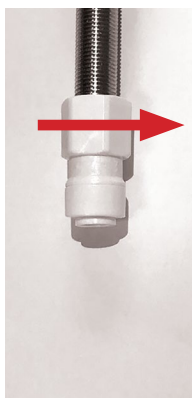
Insert top faucet washer onto stem. Then, insert faucet stem through the hole. Now, from underneath the sink, slide on the black washer. Screw on the wing nut and tighten.



Installing the Faucet



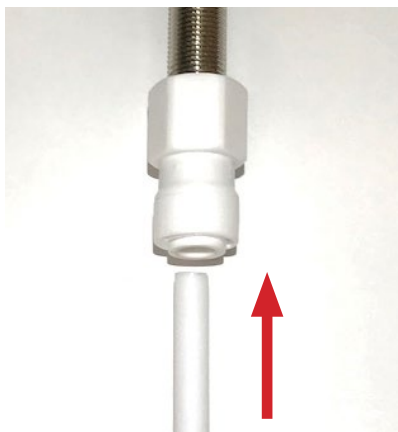
Push-on type



Screw-on type

Once the wing nut is secure, slide the push-on fitting up the stem of the faucet. If your faucet has threads simply screw on the fitting and tighten slightly for a proper seal.

Cut the roll of white tubing in half, making sure not to crush it as you cut. If the cut end flattens, use your fingers and warm water to round again. Then, insert one end of the white tubing approximately $\frac{1}{2}$ inch into the push fitting.



Connect **pH UNDER** Outlet



OUTLET

Insert the other end of the white tubing into the port labeled “OUTLET” of **pH UNDER**, approximately $\frac{1}{2}$ inch into the push fitting.

Installing the Angle-Stop Valve to the Cold Water

Locate the cold-water supply valve under the sink and turn off the cold water to the kitchen sink faucet. Unscrew the cold-water line going to the kitchen sink faucet.



Installing the Angle-Stop Valve to the Cold Water



Next, screw the provided angle-stop valve onto the cold-water supply valve and tighten.

Reinstall the kitchen faucet line on the top of the angle-stop valve and tighten.



Installing the Angle-Stop Valve to the Cold Water



Take the other piece of white tubing, install one end into the angle-stop valve approximately $\frac{1}{2}$ inch into the push fitting.

INLET

Insert the other end of white tubing into port labeled “INLET” of **pH UNDER**, approximately $\frac{1}{2}$ inch into the push fitting.



Installing the Angle-Stop Valve to the Cold Water



Turn the cold-water supply valve back on and turn the angle-stop valve to the ON position. This valve can also be used to decrease the water flow if necessary. Turn on your new drinking water faucet and run three gallons of water to flush cartridges. If the water flowing from the faucet is greater than a ½ gallon per 45 seconds, use the blue handle to turn the water pressure down slightly.

Check all fittings and connections for leaks.

Recheck for leaks after 24 hours.

*Please note: After flushing, it is also normal for water to contain tiny air bubbles for approximately a week as residual air is purged from the cartridges. The bubbles are harmless and perfectly safe to drink.

SAFETY INSTRUCTIONS

pH UNDER is intended to operate and function as per the instructions in this manual. **pH UNDER** is not designed to operate outside the specifications listed in this manual. It is not designed for commercial use. Operations or modifications outside the listed specifications can result in damage to the system and bodily harm. Turn off water source if not in use for an extended period of time. Operating outside the recommended temperatures (4.4° C/40° F) – (30° C/85° F) can lead to catastrophic failure.

MAINTENANCE AND CARTRIDGE REPLACEMENT

Replace the filter cartridges at the designated time listed below in order to maintain water quality and optimum Alkaline Antioxidant values. When replacing cartridges first turn off water supply using the blue angle-stop handle, then turn on the drinking water faucet to relieve any pressure. Once pressure is relieved replace one cartridge at a time by turning one quarter turn and pulling down slightly. Install new cartridge by pressing up slightly and turning one quarter turn until cartridge stops. Do the same for the rest of the cartridges. Once complete, turn the angle-stop back on with the blue handle and flush the system for three gallons.

- Replace Stage 1 cartridge at 6-months (600 gallons)
- Replace Stage 2 cartridge at 6-months (600 gallons)
- Replace Stage 3 cartridge at 3-months (300 gallons)
- Replace Stage 4 cartridge at 6-months (600 gallons)

pH UNDER WARRANTY INFORMATION

In accordance with the Manufacturer's warranty, and subject to the conditions hereinafter set forth, Cosan/USA will repair or replace to the original owner, parts or components found to be defective in manufacturing or workmanship. Cosan/USA's liability will not exceed the original cost of the product.

WARRANTY PERIODS:

All components excluding filters.....1 yr.

Filters.....15 days

WARRANTIES NOT APPLICABLE: To defects or malfunctions resulting from failure to properly install, operate or maintain the unit in accordance with printed instructions; to failures resulting from shipment or handling, abuse, accident, negligence, freezing, fire or heat, direct exposure to weather or sunlight, water temperatures and pressures exceeding specifications, flooding or other acts of God not considered normal operating condition; to normal maintenance services and the parts used in connection with such service; to units which are not installed in accordance with applicable local codes, ordinances and good trade practices; if the unit is moved from its original installation location; or if unit is used for purposes other than for what it was designed and manufactured. **pH UNDER** is not designed for commercial use.



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