

INSTALLATION AND
COMMISSIONING
GUIDE

PurityPRO™



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SECTION ONE

MAINS COLD WATER CONNECTION

Note: All fittings are WRAS* approved.

Step #1

Install a T into the mains cold water supply, this will be the feed water to the purifier. Isolate T with a 1/2" lever ball valve or equivalent.

Step #2

Use the Fluidfix 1/2 x 1/4" reducer to convert the feed pipe to 1/4". Insert a length of the 1/4" WRAS-approved pipe included in the installation kit. Connect the feed to the in-line check valve and then to the front right side of PurityPRO™ system. An additional isolator is included and this should be installed just before the inlet to the PurityPRO™ as an additional, easy to access isolator.

SECTION TWO

DRAINAGE CONNECTION

Included in the installation kit is a Drain-off saddle clamp with integrated check valve, elbow and a PureH2O Type AA (air gap) riser. The drain out kit has a cutting device that enables you to cut the correct size hole into the waste. The Type AA riser connects onto the Drain-off and must be orientated to stand upright to form an air gap attachment for the 1/4" drain and overflow from the RO unit.

Step #1

Locate a suitable position above the water trap onto which the drain device should be located. Attach the saddle clamp and fix in place using the nuts and bolts in the pack. Do not cut the hole at this stage.

Step #2

Add the PureH2O® AA air gap riser using the elbow to direct it into a vertical position. It's also acceptable to fit the elbow first on the horizontal axis with the check valve on the vertical axis and the AA air gap above. Once a fit has been achieved, remove attachments and fix the saddle firmly to the pipe with O-ring in place and use the cutting tool to penetrate the waste pipe.

You can now refit the attachments. The air gap riser has 3 stems, 2 of which are 1/4". These connect to the drain out pipe from the PurityPRO™ and the overflow from the air filter that sits on top of the RO unit.

SECTION THREE

POWER

The PurityPRO™ requires a 13 amp plug socket. Simply plug in the cable provided, but do not power up at this stage.

SECTION FOUR

INSTALLING THE FAUCET

PurityPRO™ comes with the option of our standard faucet or may be connected to the Quatreau SmartTap™ if the additional choice of chilled and carbonated water has been purchased.

Installation

Step #1

Decide upon the position you wish to install your faucet. Using a 12-15 mm drill bit create the penetration for the faucet.

Step #2

When installing the faucet ensure you use the washers in the correct sequence. Put the base plate on the faucet, smooth side facing up, then the thin black washer.

* Compliant with UK Water Regulations

Step #3

Using the 1/4" straight adaptor connect a length of 1/4" PE pipe to the base of the faucet and the other end to the front right side of the PurityPRO™ marked PureH2O outlet.

If connecting to a Quatreau® boiling tap system, the outlet from the PurityPRO™ will connect to the inlet of the SmartTap™.

SECTION FIVE INSTALLING THE HEPA FILTER

Your system comes with a purpose made HEPA filter to protect the quality of water in the storage tank. This screws directly into the lid of the tank where it protrudes through the top of the PurityPRO™.

Using one of the 1/4" connectors connect a length of 1/4" PE pipe to the top and connect the other end to one of the 1/4" stems on the Drain-off Type AA airgap riser. This provides an emergency overflow should the float switch ever fail. Your system is also fitted with a leak detector should water escape.

SECTION SIX COMMISSIONING THE PURITYPRO™

Step #1

Connect the mains cold water supply to the inlet using the 1/4" feed pipe and turn water on, check for water tightness.

Step #2

Connect the drain outlet (white 1/4" stem) found on back left back side of the PurityPRO™ using a 1/4" adaptor and pipe. Fit the other end onto one of the 1/4" stems that rise from the top of the Drainoff AA type air gap stem.

Step #3

Apply power.

The system will now start producing PureH2O, filling the tank at the rate indicated by the model (5, 10 or 30 litres/hr). You will hear water running to the drain - this is normal. The speed of production will be directly influenced by the mains water pressure.

One of the unique benefits of PurityPRO™ is that the storage system exerts zero back pressure on the membrane permeate. This results in the highest differential pressure possible across the membrane throughout the production cycle, as well as consistent purity.

Step #4

Sanitisation of the storage tank

The storage tank can be sanitised using an ozone generator provided by PureH2O Ltd. Alternatively a small amount (5 ml) of Milton sterilising fluid can be used. Only add sterilising fluid after the tank has filled. Remove the HEPA filter on top of the tank and pour the fluid in. Then replace the HEPA filter and ensure it is connected to the Drain-off Type AA air gap device.

Step #5

Membrane conditioning

Under normal water pressure of 40 psi the storage tank will fill within the hour. Don't be surprised if it fills in less time, the membranes are very efficient and have been selected specifically to achieve the fastest fill rate.

PURITYPRO-5™ models will fill in approx. 1 hour

PURITYPRO-10™ models will fill in approx. 30 minutes.

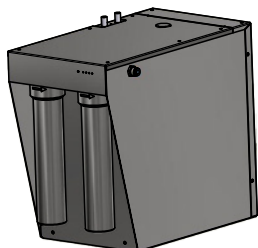
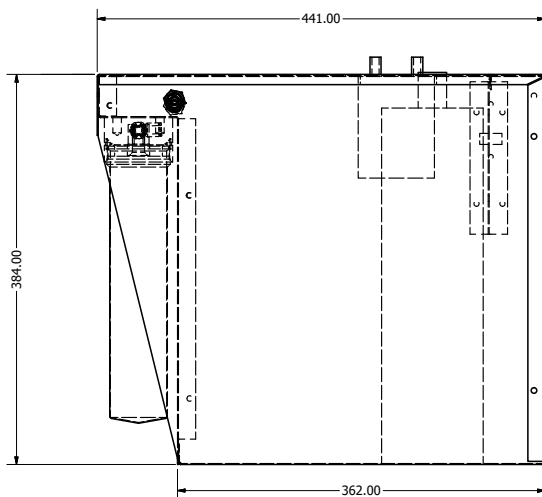
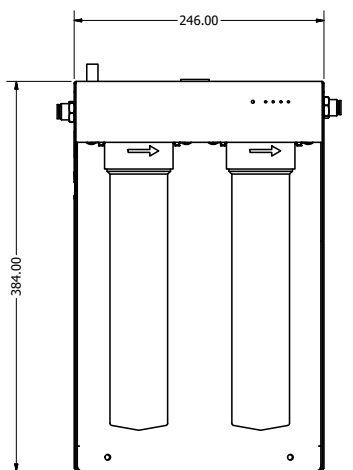
PURITYPRO-30™ models will fill in approx. 10 minutes.

Depending upon inlet pressure it may be necessary to install an external booster pump. Note that the fuses and transformer must be uprated if a booster pump is installed.

After 30 minutes of production, run off any water produced to drain to remove any sanitisation fluid in the tank. To do this simply open the PureH2O® faucet tap and run until you hear the pump turn off and delivery stops. Turn the tap off.

The PURITYPRO™ -5, 10 and 30 models hold approximately 5 litres in storage, sufficient for most cooking and drinking purposes throughout the day. Systems start to refill as the tank drops in volume to approx. 4 litres.

PURITYPRO™ DIMENSIONS



IMPORTANT INFORMATION

TECHNICAL DETAIL	PURITYPRO™-5	PURITYPRO™-10	PURITYPRO™-30
POWER REQUIREMENTS	13 amp plug socket	13 amp plug socket	13 amp plug socket
VOLTAGE			
WATTAGE			
FILL TIME	Approx. one hour	Approx. 30 mins.	Approx. 10 mins.
CAPACITY			
MAX WORKING PRESSURE			

INSTALLATION DETAIL	BY AUTHORISED PUREH2O TECHNICIAN ONLY
INSTALLATION DATE	
INSTALLATION NOTES	
CONTACT	customerservices@pureh2o.co.uk www.pureh2o.co.uk