



User Manual for  
Reverse Osmosis System

BPW301810  
and  
BPW301830

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Thank you for purchasing a Bridgepoint Reverse Osmosis Water Purifying System. Before installation please read this manual carefully.

## Warnings:

1. Don't drink the water for the first full tank after installation.
2. Don't dismantle any part of the system as this might lead to leakages and/or damages.
3. Do not supply the system with hot water.
4. Keep the RO unit away from direct sunshine.
5. When the system is not used for a long period of time, please turn off power supply and shut off water. Follow the initial operation when restarting.
6. This is an electrical appliance; therefore it should be used by adults

## Maintenance and Repairs

Kindly call on +356 21472241 in Malta  
And + 44 1424 55 9080 for the UK  
and EU

Or

[maintenance@bridgepoint.com.mt](mailto:maintenance@bridgepoint.com.mt)

## Maintenance

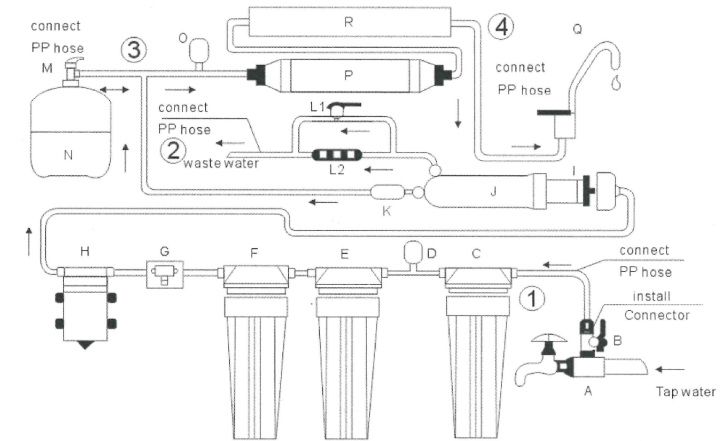
In order to maintain a high quality supply of water, it is highly recommended to take on a Bridgepoint maintenance agreement. This maintenance agreement will include two annual visits, and have all you filters maintained and replaced as necessary.

Should you wish to maintain the system yourself, please follow the bellow guide lines.

These guide lines are based on a family of four or 10 litres of pure water production per day.

Filter	Re-order Number	Material	Function	Cycle
1 <sup>st</sup> Stage	BPW801001	PP5 micron	Un-dissolved contaminants removal. Sand, Silt, Rust, Etc.	6 Months
2 <sup>nd</sup> Stage	BPW801005	Block Carbon	Activated carbon germicidal adhesion removal of chlorine.	12 Months
3 <sup>rd</sup> Stage	BPW801001	PP5 micron	3rd Stage Re-Filtration	12 Months
4 <sup>th</sup> Stage	BPW801010	RO Membrane	Heavy Metal Removal	2 Years
5 <sup>th</sup> Stage	BPW801012	In-Line Carbon	Odour removal and taste enhancer	2 Years

## At A Glance



- A Three way feed connector
- B Shut off ball valve
- C Filter housing PP sediment cartridge
- D Low pressure switch
- E Filter housing Granular activated carbon
- F Filter housing Block carbon cartridge
- G Inflow Valve
- H Booster Pump
- I Ro Membrane
- J Membrane Housing
- K Check Valve
- L1 Manual flush Valve
- L2 Drain Restrictor
- M Tank Valve
- N Pressure Tank
- O High Pressure Switch
- P In-line Carbon Cartridge
- Q Out let to RO Tap
- R Optional Mineral Ball or UV Light

## Technical Parameters

Power Consumption: 25W

Rating AC220V - - DC 24V  
50/60 Hertz

### Water Output

BPW301810 - 5 Stage 185 Litres Per 24 hours @ 25deg C

BPW301830- 5 Stage 750 Litres Per 24 hours @ 25deg C

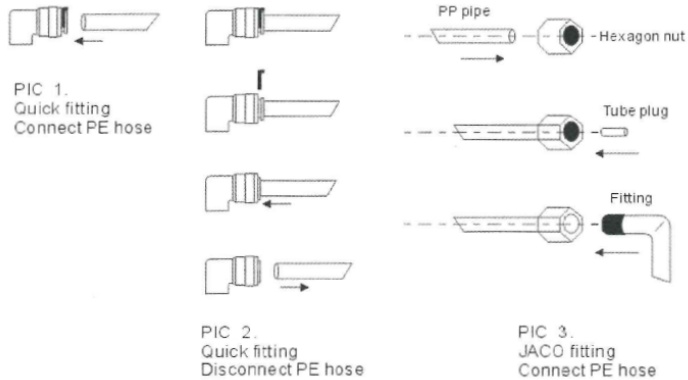
Water Inlet Pressure 1BAR to 3.5BAR

Water Inlet temperature 4 to 42deg C

Water Supply Tap Water with up to 1000PPM

## First Use.

1. After installation , wash thoroughly all filters of each stage.
2. Turning on the system:
  - Turn on Ball Valve (item B)
  - Plug in to power supply
  - Turn on your RO Tap (Black water might be present. Continue to drain water until clear)
  - At this point the high pressure pump (item H) should start up automatically . This will result in the waste water draining our and filters of the first 4 stages being filled and washed automatically. Leave this processes running for about 5 mins.
  - At this point you RO is generating purified water.
  - **Please make sure to drain tank once before drinking this water. Nonetheless the water is safe to use for other purposes.**
  - Pump will stop once storage tank is full.



### Connecting plastic hose pipe to fittings

1. Cut Plastic hose pipe to the required length
2. Place plastic hose pipe into the hexagonal nut (see picture 3.)
3. Place the white tube plug into the nozzle of plastic hose and push the tube into the plug
4. Screw in the required fitting.

### Connecting plastic hose pipe to quick fittings

1. Cut plastic hose pipe to the required length
2. Insert hose in to quick fitting.

### Disconnecting plastic hose pipe from quick fittings

1. Pull back on fitting and release pipe.

## Installation

After deciding the layout and choosing carefully the location of the main unit and the storage tank, please follow the below steps for installation.

1. Shut off water supply and remove cold water angle valve from wall plug. Install shut off Ball valve (Item B) in the three way feed connector (Item A). Then install the three way connector together with the shut off ball valve in the wall plug using thread tape. Then reinstall angle valve in to the three way connector.
2. Install Plastic hose pipe from the three way connector to the inlet of the RO (**Position 1. RED**)
3. Install Plastic hose pipe from RO waste water outlet to the drains (**Position 2. BLACK**)
4. Install Plastic hose pipe from the check valve to the Pressure tank . (**Position YELLOW**)
5. Install Plastic hose pipe from (Item P) Inline Carbon , to the RO Tap. (**See Position 4 BLUE**)