Type 17 Bench Mounted 1 Way Stainless Steel 90 Degree Reverse Osmosis / Pure Water Laboratory Tap

Installation and Maintenance Instructions

LFP012

technical data

Working Pressure Range	Min. 50 kPa | Max. 500 kPa
Maximum Static Pressure	1000 kPa
Maximum Working Temperature	90°C
Inlet Connection	1/2" BSP Male
Outlet Connection	Tube Nozzle

Enware products are to be installed in accordance with the Plumbing Code of Australia (PCA) and AS/NZS3500. Installations not complying with PCA and AS/NZS 3500 may void the product and performance warranty provisions.

Reference should also be made to the Australasian Health Facility Guidelines (AHFG), ABCB and Local Government regulations when considering the choice of, and the installation of these products.

This product must be installed and commissioned by a qualified plumber.

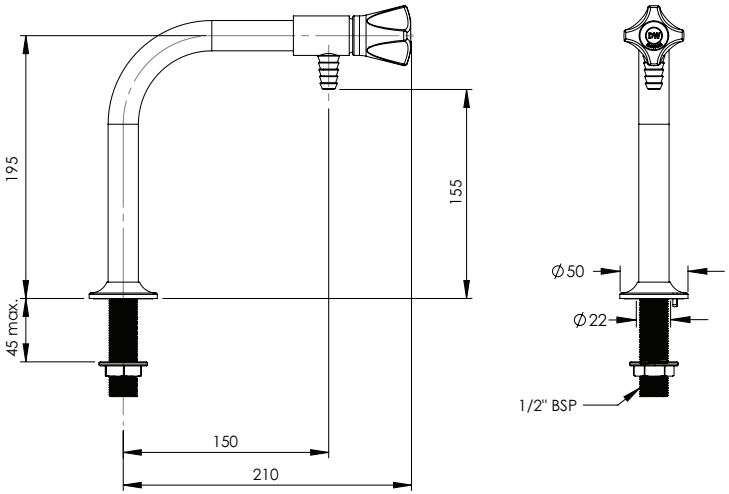
For use with potable water only.

NOTE: Enware Australia advises:
1. Due to ongoing Research and Development, specifications may change without notice.
2. Component specifications may change on some export models.
3. Refer to warranty statement for warranty details - www.enware.com.au/warranty

1300 369 273 I info@enware.com.au I enware.com.au

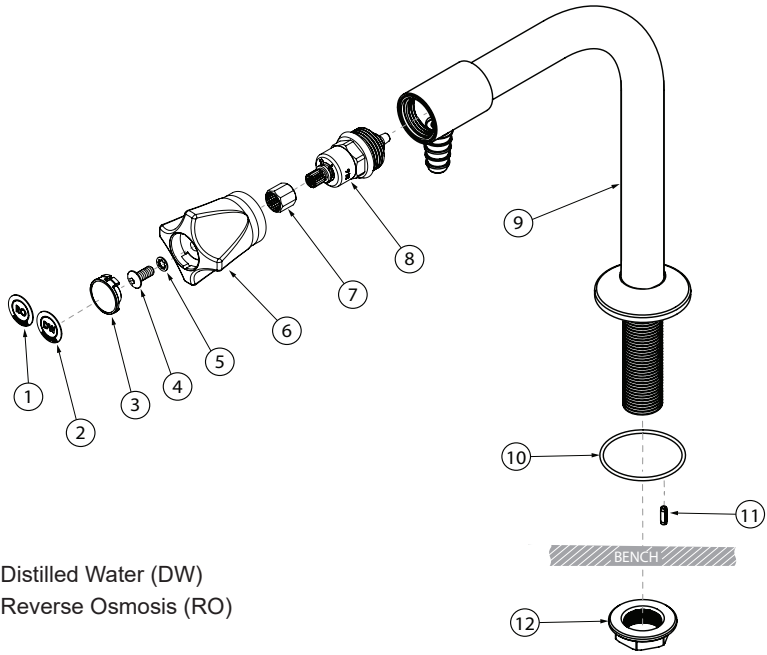
product description

- Enware's Reverse Osmosis (RO) range is ideal for all pure water applications including distilled, demineralised or deionised water. All internal waterways incorporate inert materials to ensure water supply purity with stainless steel construction and external powder coating for protection against corrosion, discolouration and surface damage.
- The LFP012 is a 316 stainless steel product, using machined and tubular parts.
- The headworks is 316 stainless steel with a PTFE needle.
- It is not a recirculating valve, and does not have a dead leg downstream of the headworks.
- This product is recommended for most RO/Pure water systems - it is robust, simple, and can be quite simply disassembled and disinfected or cleaned.
- Suitable for deionised, demineralised, distilled and pure water applications.
- Ergonomic handle design for finger tip control
- Includes coloured handle and indicator button
- Supplied with fixing kit including backnut and anti-rotation pin
- Includes a tube nozzle



All measurements are in millimetres.

components & spare parts



1 Indicator button - Distilled Water (DW)
2 Indicator button - Reverse Osmosis (RO)
3 Button mount
4 Screw M4x12 SS
5 Tooth washer M5 SS
6 Handle - green
7 Spline adaptor
8 Cartridge 55mm needle valve SS - LCN
9 Frame Type 17 hob SS with tube nozzle
10 O-ring BS030
11 Anti-rotation pin 3x10mm SS
12 Backnut 1/2"

DESCRIPTION	PART CODE
Needle valve catridge SBA | Parts: [8]	**LFPS001**
Handle Assembly | Parts: [1] [2] [3] [4] [5] [6] [7]	**LFPS002**
Button mount - green | Parts: [3]	**LCN193-1**
Indicator button - Distilled Water (DW) | Parts: [2]	**LC182-DW**
Indicator button - Reverse Osmosis OS | Parts: [1]	**LC182-RO**

installation

- All supply lines must be flushed thoroughly to remove debris prior to the installation of this product, as per AS/NZS 3500.1. Strainers (40 mesh) are recommended if debris is an ongoing problem.
- A pressure reduction valve may be required to comply with the recommended maximum supply pressure and/or balanced pressure requirements.
- It is recommended that isolation valves are installed on the water supply prior to the tap and that it is easily accessible.

INSTALLATION PROCEDURE

1. Determine tap hole drill locations. SEE IMAGE 01

   1x hole diameter 22mm for the inlet, and
   1x hole diameter 5mm for anti-rotation pin
   Maximum bench thickness 45mm
   SEE IMAGE 01

   Before drilling the holes, check the maximum thickness of the bench, and the orientation of the tap as location of anti-rotation pin may vary.

2. Chect that the O-ring [10] is fitted on the base of tap frame [9].
   Fit the tap frame through the hole. **SEE IMAGE 02**

   Screw backnut from underneath the bench and tighten with a spanner.

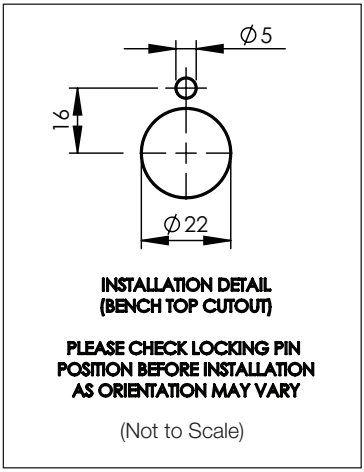


IMAGE 01

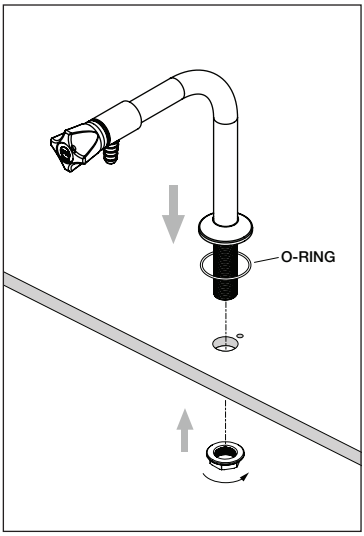


IMAGE 02

3. Connect water supply to the 1/2” BSP inlet thread connection.

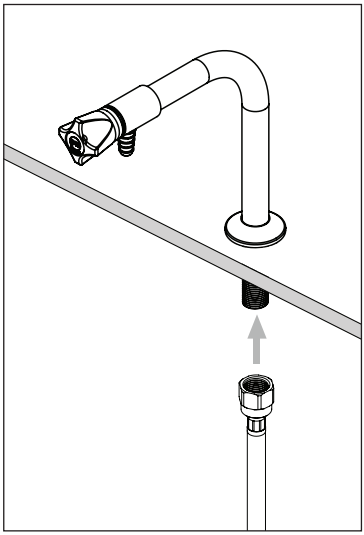
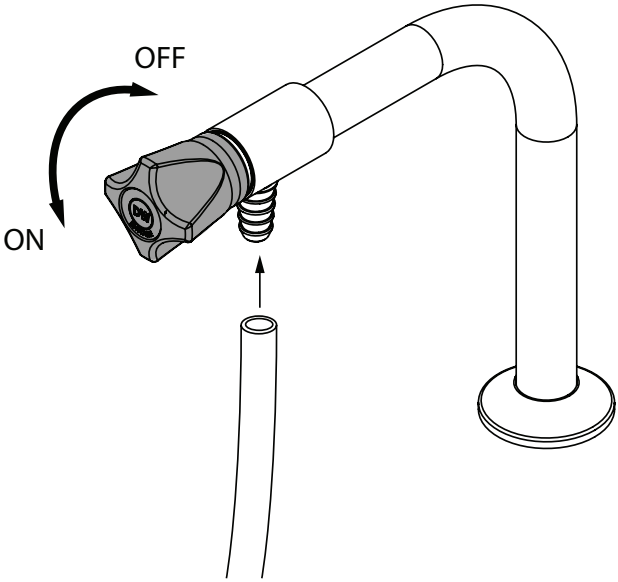


IMAGE 03

operation



Turn handle anti-clockwise to turn ON

Turn handle clockwise to turn OFF

Tube Nozzle Outlet Connection:

Due to absence of flow controls, aerators or flow straighteners, water may swirl and spray on exit from the tube nozzle - this is normal and largely unavoidable. It is recommended that the tube nozzle be fitted with a short piece of suitable hose to avoid splashing. Fitment of hose is often standard practice for filling when used in the laboratory. The hose can be periodically replaced if necessary.

maintenance

CLEANING

Enware products should be cleaned with a soft damp cloth using only mild liquid detergent or soap and water. Do not use cleaning agents containing a corrosive acid, scouring agent or solvent chemicals. Do not use cream cleaners, as they are abrasive. Use of unsuitable cleaning agents may damage the surface. Any damage caused in this way will not be covered by warranty.

HANDLE & ACCESS TO CARTRIDGE

To take off handle, use a sharp hand tool to pop off the indicator button mount [3]. Use a 3mm Allen key to remove fixing screw [4]. Pull off handle [6] and spline adaptor [7] to access the cartridge [8].

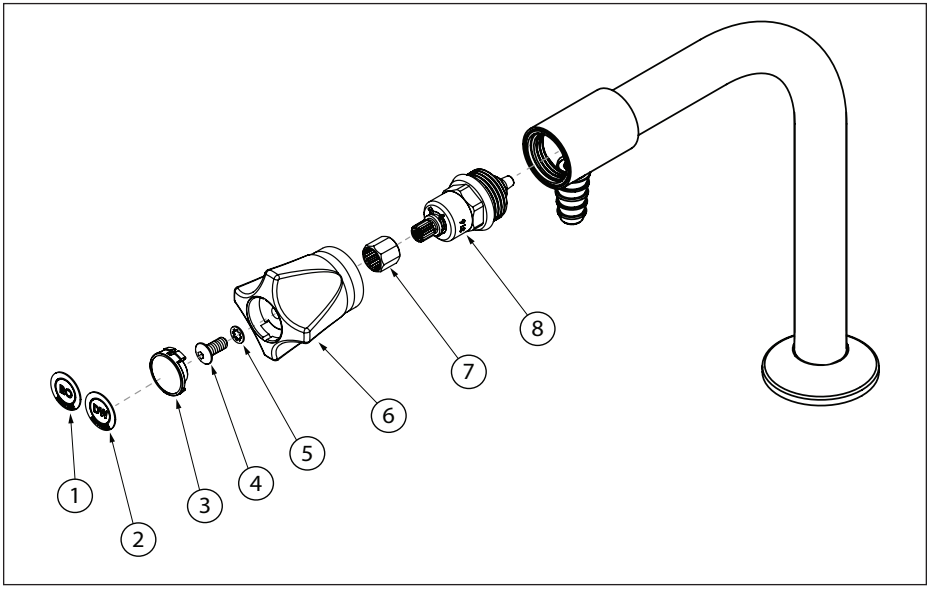


IMAGE 04

troubleshooting

PROBLEM	CAUSE	RECTIFICATION
Water leaking from outlet Water dripping and does not shut off	Cartridge has debris caught in the mechanism.	Remove cartridge and inspect. Remove debris and clean. Install an inline strainer.
	Cartridge needle valve is worn or damaged	Replace cartridge.
Water is leaking from spindle	O-ring on cartridge/ SBA is worn or damaged	Replace cartridge.
Water is not flowing from tap	Water turned off.	Turn water on.
Poor water flow from outlet	SBA / cartridge has debris caught in the mechanism.	Remove cartridge and inspect. Remove debris and clean. Install an inline strainer.
Handle is wobbly Handle feels loose	Handle fixing screw not tightened	Tighten handle fixing screw