

Laboratory School Pattern Tapware - Bench Mounted

Installation and Maintenance Instructions

- LF102

LF104

LF107

LF109S

LF110
- LF113

LF118S

LFQ109S

LFQ110

LFQ113



technical data

Jumper Valve	
Working Pressure Range	Min 50 kPa Max 500 kPa
Maximum Static Pressure	1200 kPa
Maximum Working Temperature	95°C

Ceramic Disc	
Working Pressure Range	Min 50 kPa Max 500 kPa
Maximum Static Pressure	800 kPa
Maximum Working Temperature	85°C

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.

All measurements are in millimetres.

I00540_18 Dec 2023

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 both hot and cold supplies prior to the tap and that these are easily accessible.

INSTALLATION PROCEDURE

1. Determine tap hole drill locations.

SINGLE INLET: 1x hole diameter 22mm for the inlet, and 2x holes diameter 5 - 8mm for anti-rotation pins **SEE IMAGE 01**

DUAL INLET: 2x holes diameter 25mm **SEE IMAGE 02**

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

Note: Maximum bench thickness 40mm.

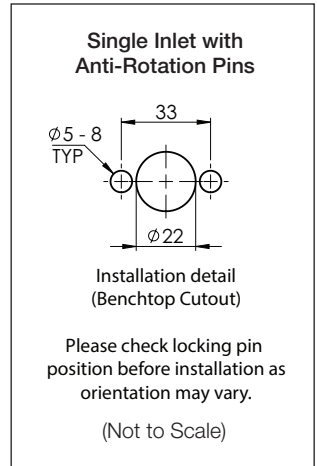


IMAGE 01

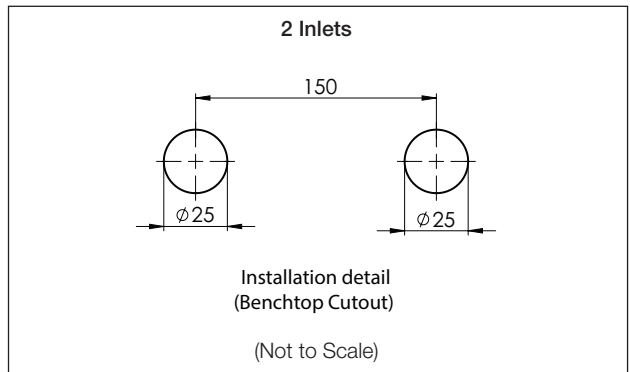


IMAGE 02

3. Fit the tap frame through the hole/s. **SEE IMAGE 03**

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

Single Inlet models:

For a bench with thickness less than 10mm (e.g. stainless steel sinks/ troughs), use the black spacer to cover the anti-rotation pins that protrude past the underside surface.

4. Connect water supply to the 1/2" BSP inlet thread connection/s.

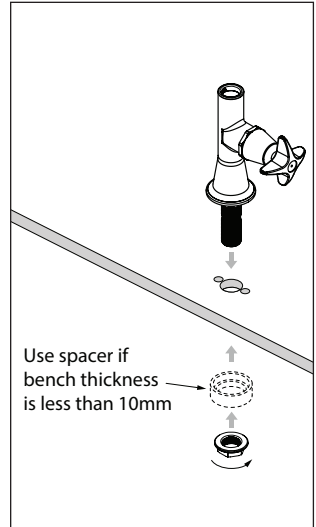


IMAGE 03

SETTING FOR FIXED OR SWIVEL SPOUT

1. Remove the grub screw from the side of tap frame, using a 2.5mm Allen key. **SEE IMAGE 04**

2. **FIXED SPOUT:**

To have a fixed spout without swivel, use the fixed spout insert between the spout and body. Ensure the fixed spout insert is fitted to the hexagonal slots of both the spout and the body. **SEE IMAGE 04**

Once the spout is inserted fully into the body, re-fit the grub screw and tighten.

SWIVEL SPOUT:

To have a swivel spout, remove the fixed spout insert. **SEE IMAGE 04**

Fit spout onto body, ensuring the spout is fully inserted. Fit grub screw until it bottoms then back off slightly just enough for the spout to swivel. Do not disengage grub screw more than half a turn.

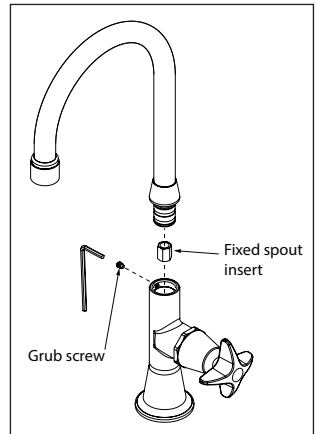


IMAGE 04

FITTING INDICATOR BUTTON ONTO HANDLE

Ensure the surface of handle is clean and dry, free of dust, moisture and grease.

Peel off the indicator button from its backing paper, taking care not to touch the adhesive side.

Place the indicator button onto flat section of the handle, and push the button firmly onto handle.

SEE IMAGE 05

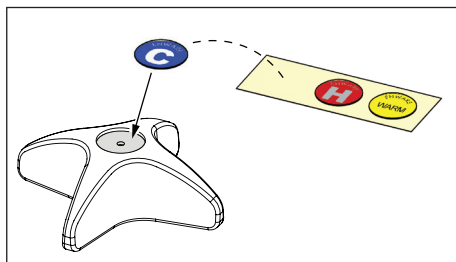


IMAGE 05

AERATOR / TUBE NOZZLE

Choose aerator or tube nozzle supplied, and screw onto spout.

Ensure the rubber washer is in place between spout and aerator or tube nozzle.

SEE IMAGE 06

For Anti-Vandal aerator, use the supplied aerator key to fit aerator onto spout.

SEE IMAGE 07

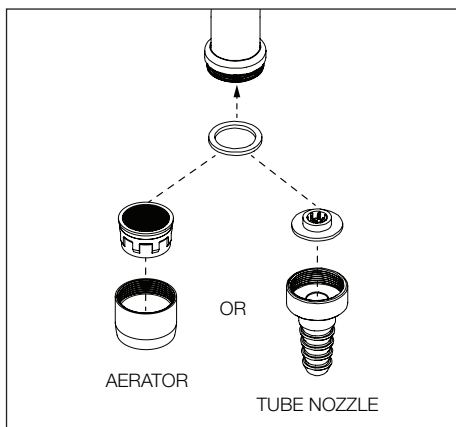


IMAGE 06

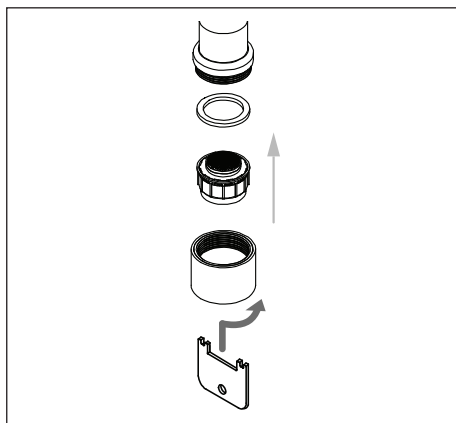


IMAGE 07

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.

AERATOR

Spout aerator or flow control should be checked and cleaned periodically for debris. Unscrew aerator or tube nozzle. Inspect and reverse rinse aerator / flow control under running water to clear any debris. Replace aerator / flow control if necessary. **SEE IMAGE 06 & 07**

HANDLE & ACCESS TO SBA

If the handle feels loose, check that the handle insert is fitted, and tighten with the Vandal Proof Handle Key. **SEE IMAGE 08**

To take off handle, use the Vandal Proof Handle Key to loosen the insert. Handle pulls off the spindle.

When installing Jumper Valve SBA, use a spanner on the hex of the SBA and tighten (max torque 30Nm). **SEE IMAGE 09**

When installing ceramic disc SBA, install SBA first and tighten with a spanner on the hex (max torque 18Nm), then fit lock nut and tighten with a spanner (max torque 30Nm). **SEE IMAGE 10**

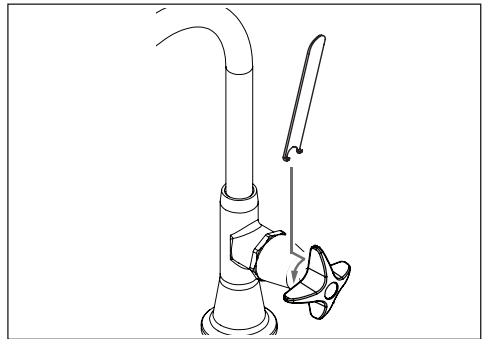


IMAGE 08

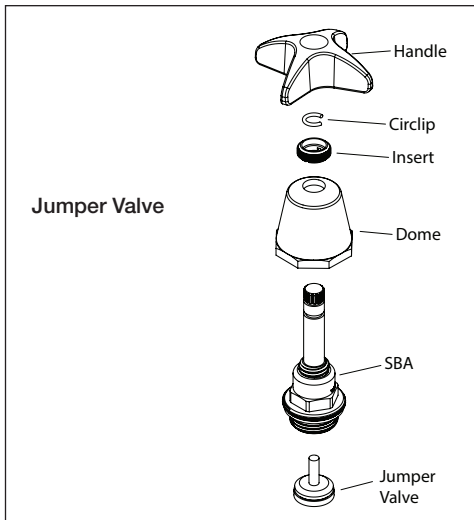


IMAGE 09

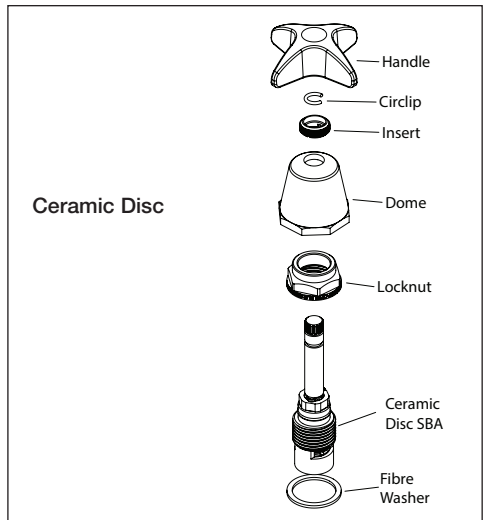
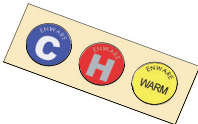


IMAGE 10

troubleshooting

PROBLEM	CAUSE	RECTIFICATION
Water leaking from outlet Water dripping and does not shut off	SBA or jumper valve has debris caught in the mechanism.	Remove SBA and inspect. Remove debris and clean. Install an inline strainer.
	Tap seat is damaged	Refurbish tap seat using a reseating tool. If necessary, fit reseating kit or replace tap body.
	Jumper valve is worn or damaged	Replace jumper valve.
	SBA ceramic disc is worn or damaged	Replace SBA.
Water is leaking from spindle	O-ring on SBA is worn or damaged	Replace O-ring. Replace SBA.
Water is not flowing from tap	Water turned off.	Turn water on.
Poor water flow from outlet	Aerator / Flow control is blocked by debris.	Remove flow control and clean debris. Install an inline strainer.
Handle is wobbly Handle feels loose	Circlip missing Circlip not fitted into the correct groove Handle insert not tightened	Ensure circlip is in place Reposition circlip into the correct groove on the spindle Tighten insert using key
Spindle is difficult to turn (jumper valve)	Build up of scale on spindle, spindle is worn or o-ring has been damaged	Jumper valve spindle needs to be removed, cleaned and re-greased. O-ring to be replaced. Complete SBA may need to be replaced.

spare parts

	Description	Part Code
	SBA Jumper Valve	VP380
	SBA Ceramic Disc	VPQ380
	VP Handle	VP378
	Indicator Button Hot/Cold Warm (Adhesive)	MIS595RYB
	Vandal Proof Key (for handle)	MIS590
	Tube Nozzle	SP310
	Aerator	SP301
	Anti-Vandal Aerator with Key	SP303
	Key for Anti-Vandal Aerator	SP304
	Backnut	MIS517

product warranty statement - WATTS AUSTRALIA

Effective 27 October 2023

This Warranty Statement applies to products supplied by Australian Valve Group Pty Ltd (ACN 068 227 270) (**AVG**) or Enware Pty Ltd (ACN 662 302 767) (**Enware**) (each of AVG and Enware, a Supplier) and installed within Australia.

Subject to the terms and conditions outlined in this Warranty Statement, each Supplier warrants to its customers that a product supplied by it (**Product**) will be free from all defects in material and workmanship under normal usage for the applicable Warranty Period (as set out in the Warranty Table below). The Warranty Period commences from the date of delivery of the relevant Product.

1. Conditions

The warranty provided under this Warranty Statement will not apply in respect of a Product (or any Product defect, fault or resulting damage) if:

- (a) the Product is not installed and maintained in accordance with the requirements of the applicable laws, standards and codes (including, without limitation to, the National Construction Code Volume Three – Plumbing Code of Australia, associated reference standards as applicable at the time and AS/NZS 3500);
- (b) the Product is not installed and maintained by a qualified technician in accordance with the relevant installation and operation manual and instructions; and
- (c) any Product defect, faulty or resulting damage arises from:
 - (i) failure by you or any other person to follow the relevant manual or instructions (relating to the handling, storage, installation, fitting, connection, adjustment, maintenance or repair of the Product) published or provided by the Supplier;
 - (ii) failure by you or any other person responsible for the fitting, installation, or other work on the Product to follow or conform to applicable laws, standards and codes (including, without limitation to, the AS/NZ 3500 set of Standards, all applicable State and Territory Plumbing Codes, the Plumbing Code of Australia and directions and requirements of local and other statutory authorities);
 - (iii) any parts or components not manufactured by the Supplier (or otherwise not authorised by the Supplier) are installed or combined with the Product, without the prior authorisation of the Supplier; or
 - (iv) any act or circumstance beyond our control including, without limitation to, accident, abnormal use, vandalism, fouling caused by foreign material, damage from adverse water conditions, chemical, acts of God, damage to buildings, other structures and infrastructure and loss or damage during transit or transportation of the Product, or any abuse, misuse, misapplication, improper installation or connection, or improper maintenance or alteration of the Product.

2. Make a claim

To make a claim under this Warranty Statement, you must notify the relevant Supplier in writing within 7 days of any alleged defect in the Product coming to your attention and provide the Supplier with proof of your purchase of the Product to the relevant Supplier:

- (a) If the Product is supplied by **AVG**, please contact AVG by telephone at 1800 284 287, or by email via its online portal <https://www.wattsau.com.au/support>.
- (b) If the Product is supplied by **Enware**, please complete the Product Service Request form (ENF091), which is available on request from our office (see contact details below), or online via <https://www.enware.com.au/warranty-service-form/>. All notifications and accompanying forms must be sent to Enware marked for the attention of Enware, 9 Endeavour Road, Caringbah NSW 2229. Enware can also be contacted by telephone (1300 369 273) or by email (info@enware.com.au).

On receipt of a notification from you of a claim under this Warranty Statement, the relevant Supplier may contact you requesting you provide reasonably additional evidence, information or details about your claim, or requiring that the relevant Product should be returned to the Supplier (in accordance with the Supplier's instructions) for inspection and testing.

Your failure to comply with any such request within a reasonable amount of time may result in your claim under this Warranty Statement being rejected.

3. Our responsibilities

(a) In the event that the Supplier is reasonably satisfied that there is a defect in the relevant Product within the applicable Warranty Period, the Supplier will, at its option, replace the Product, supply an equivalent product or repair the Product, free of charge. Your costs in making a warranty claim under this Warranty Statement, including any costs in relation to freight, collection, delivery and installation, are to be borne and paid by you. However, if in respect of a Product, it is indicated in the Warranty Table that labour support will be provided, and the Supplier is reasonably satisfied that a defect in the Product takes place during the period that labour support will be provided as indicated in the Warranty Table, the Supplier will bear the costs for delivery, repair and installation of the replacement Product (as applicable).

(b) TO THE EXTENT PERMITTED BY LAW AND SUBJECT TO PARAGRAPH 4 BELOW AND THE OPERATION OF THE AUSTRALIAN CONSUMER LAW:

- (i) THE WARRANTY SET OUT IN THIS WARRANTY STATEMENT IS GIVEN EXPRESSLY AND IS THE ONLY WARRANTY GIVEN BY THE SUPPLIER WITH RESPECT TO THE RELEVANT PRODUCT;
- (ii) THE SUPPLIER MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED;
- (iii) THE SUPPLIER HEREBY SPECIFICALLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE; AND
- (iv) THE REMEDY DESCRIBED IN THIS WARRANTY STATEMENT SHALL CONSTITUTE THE SOLE AND EXCLUSIVE REMEDY FOR BREACH OF WARRANTY, AND THE SUPPLIER SHALL NOT BE RESPONSIBLE FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES, OR LOST PROFITS OR THE COST OF REPAIRING OR REPLACING OTHER PROPERTY WHICH IS DAMAGED IF THE PRODUCT DOES NOT WORK PROPERLY.

4. Australian Consumer Law

This paragraph 4 applies if you are a 'Consumer' (as defined in section 3 of the Australian Consumer Law (**ACL**)) and the Product or services supplied to you falls within the goods or services which, for the purposes of the ACL, are of a kind ordinarily acquired for personal, domestic or household use or consumption.

The Products and services provided by the Supplier come with guarantees that cannot be excluded under the ACL, and noting in this Warranty Statement should be interpreted as attempting to exclude, restrict or modify such guarantees or your rights under the ACL. For major failures with any services, you are entitled:

- (c) to cancel your service contract with us; and
- (d) to a refund for the unused portion, or to compensation for its reduced value.

You are also entitled to choose a refund or replacement for major failures with Products. If a failure with the Product or a service does not amount to a major failure, you are entitled to have the failure rectified in a reasonable time. If this is not done you are entitled to a refund for the Products and to cancel the contract for the service and obtain a refund of any unused portion. You are also entitled to be compensated for any other reasonably foreseeable loss or damage from a failure in the Products or service*.

5. Warranty table

*the applicable period commences on the date of purchase of the Product.

PRODUCT GROUP	PRODUCT SERIES CODES	WARRANTY PERIOD (YEARS)*	LABOUR SUPPORT (YEARS)*
General Tapware, Spouts & Outlets- Chrome Plated	LF/LFQ	10	2