

# Bench Mounted Hand-Held Drench Hose

## Installation and Maintenance Instructions

EL540



### technical data

Inlet Connection	1/2" BSP
Minimum Water Supply Line Size	DN15
Working Pressure Range	Min 50 kPa Max 500 kPa
Minimum Flow Rate	6 L/min
Suggested Flushing Water Temperature	Tepid: 16°C min - 38°C max
Activation	Squeeze trigger handle
Benchtop Cut Out Size	33mm - 35mm Diameter
Maximum Benchtop Thickness	30mm

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## installation compliance

Before proceeding with installation ensure all operating and dimensional specifications are suitable for the intended installation.

This product is a supplemental equipment to provide immediate flushing to support plumbed and self-contained emergency eyewash and shower equipment but does not replace them.

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

For use with potable water only.

### Supply Lines

Ensure all supply lines are flushed thoroughly to remove debris prior to the installation of this product. Strainers (40 mesh) are recommended if debris is an ongoing problem.

### Supply Pressure

A Pressure reduction valve may be required to comply with recommended maximum supply pressure.

### Flushing Fluid Temperature

Flushing Fluid Temperature: Tepid.

Suggested temp range 16°C min – 38°C max.

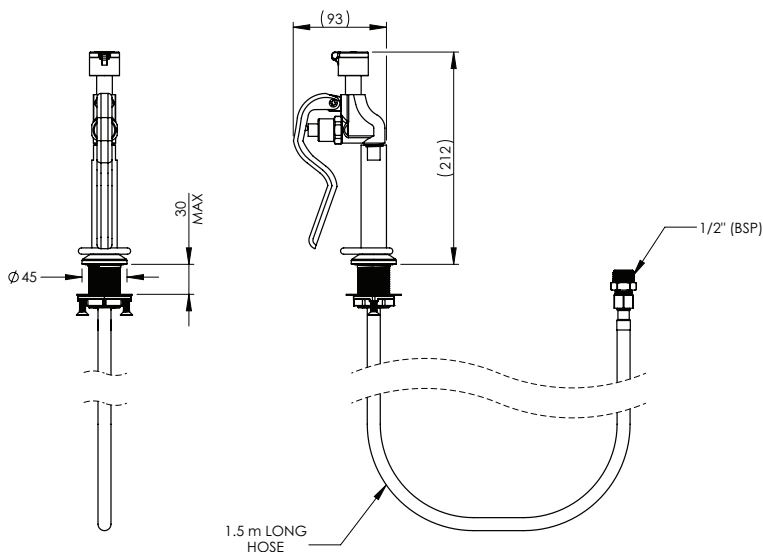
Refer to AS4775 and ANSI Z358.1 for installation guidelines of Supplemental Equipment – Drench Hose.

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.

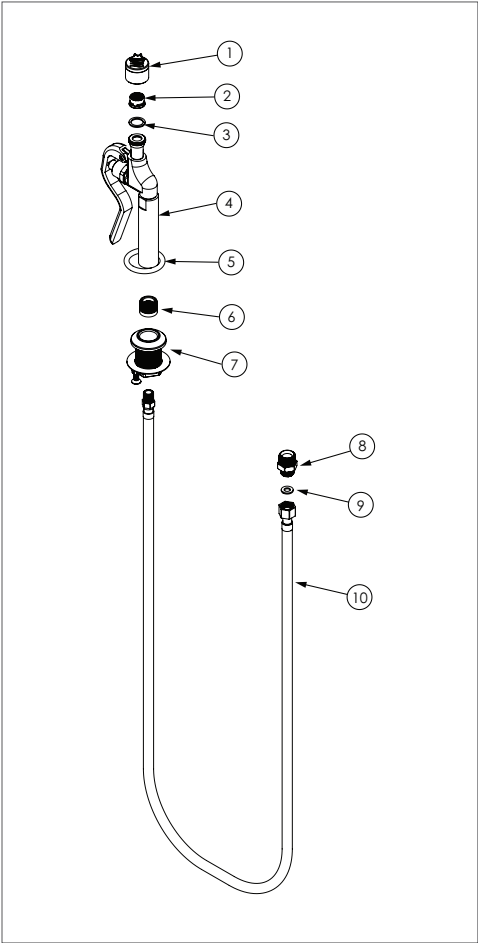
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## dimensions



# components

1	Shrouded dust cover
2	Aerator insert 13 Lpm
3	Rubber washer
4	Trigger spray gun
5	Holding ring
6	Bush 1/2" x 1/4" C/P
7	Bench mount 22mm
8	Hex nipple 1/2" x 3/8"
9	Washer
10	Stainless steel braided flexible hose 8mm ID 1/4"M x 3/8"F 1.5m



# spare parts

Description	Part Code
Eye wash dust cover with aerator (1 pair) and key [Parts: 1,2,3]	ESPE016
Aerator and washer (1 each) [Parts: 2,3]	ESPE015
Trigger spray spring loaded SBA (cartridge)	FS721S
Trigger spray SBA service kit	FS077NS
Trigger spray handle & screw	FS790
Bench mount, hose, hex nipple & bush [Parts: 6,7,8,9,10]	ESP024
Aerator key anti-vandal	SP304

# installation

- All supply lines must be flushed thoroughly to remove debris prior to the installation of this product. 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 requirements.

## INSTALLATION

1. Mark and drill a 33mm - 35mm diameter hole on bench for the bench mount [7]. **SEE IMAGE 01**
2. Fit the bench mount [7] from top of hole, making sure the O-ring is in place. From underneath the bench, fit metal washer then fixing nut. Hand tighten fixing nut, then use a 4mm Allen key to tighten the two screws to fix the bench mount in place. **SEE IMAGE 02**
3. Use a 1/2" BSP wall elbow for the water supply inlet, and position it so that the outlet of elbow is facing down. **SEE IMAGE 03 & 04**
4. Flush the water supply line to clear the line of any debris.
5. Connect inlet hex nipple onto female thread of water supply (1/2" BSP). Use a thread sealing tape or similar to achieve a water-tight seal on the thread connection.
6. Connect the male end of flexible hose to trigger spray gun. Connect the other end of hose to hex the nipple on the water inlet.
7. Turn water supply on. Test all joints and connections for leaks. Grab the trigger gun and squeeze the handle to test for correct operation and water flow.

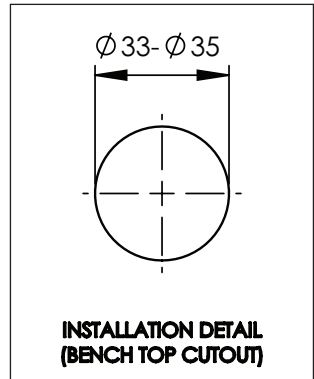


IMAGE 01

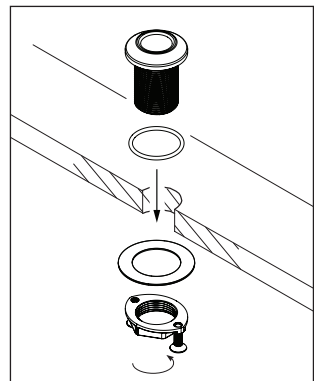


IMAGE 02

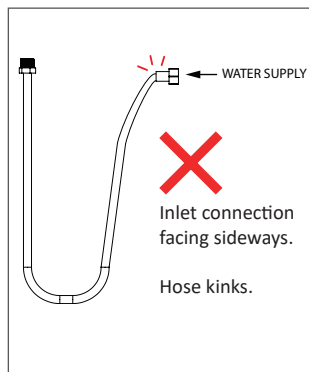


IMAGE 03

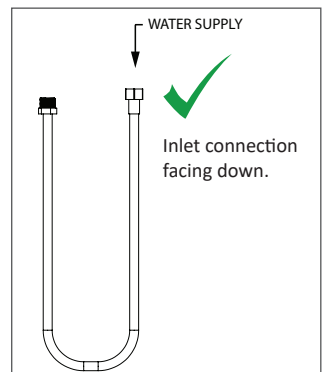
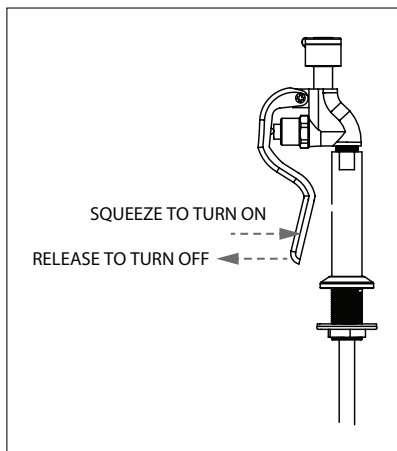


IMAGE 04

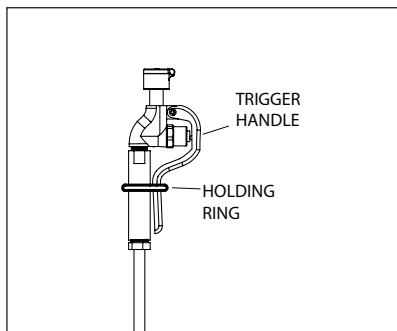
## operating instructions

*Instructions for all emergency equipment should be readily accessible to maintenance and training personnel.*

1. Squeezing the trigger activates the Drench Hose. **SEE IMAGE 05**
2. Grab the trigger gun up from the bench, squeeze the trigger to start water flow, and apply to body parts needing treatment.
3. To stop the water flow, release the trigger.
4. To keep the water flow to stay on, slide the holding ring [5] over the trigger handle.



**IMAGE 05**



# maintenance

The drench hose needs to be activated weekly for a period long enough to verify operation and ensure the flushing fluid is available (AS4775 & ANSI Z358.1).

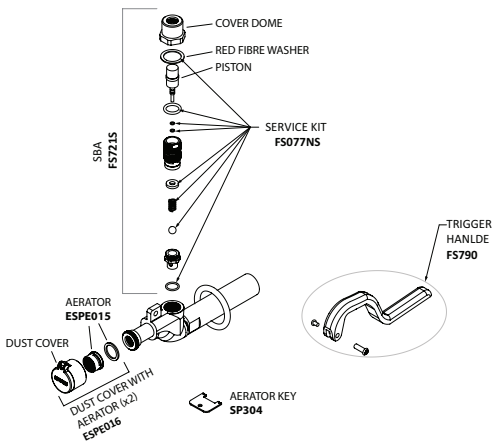
Note: the intent is to ensure that there is a flushing fluid supply at the head of the device, to clear the supply line of any sediment build up that could prevent fluid from being delivered to the head of the device, and to minimize microbial contamination due to sitting water.

The equipment shall be inspected annually to assure conformance with AS4775 & ANSI Z358.1, and to ensure correct operation. Aerator outlet should be dismantled with aerator key, checked for any debris, and cleaned or replaced. Hose condition and outlets should also be checked for damage or wear, and all connections and joints checked for leaks.

## TRIGGER SPRAY GUN MAINTENANCE

It is recommended that the trigger spray action be periodically serviced. The maintenance interval will depend on the frequency of use of the product, water quality and the general environment.

Occasionally the handle screws should be checked for tightness, and a visual inspection made of all other connections on the assembly including the trigger spray and hose, the wall bracket fixing to the wall and riser to ensure they are secure, and tighten if necessary.



## CLEANING TRIGGER SPRAY

1. Using two (2) phillips head screw drivers, undo the locking screws from the handle and remove handle.
2. Using a 26mm spanner remove the cover dome and red fibre washer from the spring loaded action. Clean the inside of the cover dome. Use a dilute solution of CLR if necessary. Remove all scale, grease and any other residues.
3. Lightly grease the inside of the dome.
4. Pull out the piston from the SBA (stuffing box assembly) and clean any scale or residues from the spindle and button. Be careful not to damage the O-rings.
5. Lightly grease the piston o rings and push the piston back into the SBA.
6. Depress piston to start water flow. Release piston and check for leaks and that the water flow stops. If there is no flow, or water does not stop, refer to the trouble shooting guide. If the problem persists, service kits or replacement SBA may be required.
7. With the red fibre body washer located over the SBA, screw the cover dome back down onto the SBA.
8. Replace the handle and secure it with the hinge screws.
9. Re-test trigger spray for correct operation.

## CLEANING

Enware Product 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.

If re-greasing spindles always use a silicon based potable water approved lubricant such as Hydroseal 'O' Ring Lubricant or Molykote 111 silicone based grease

# troubleshooting

When servicing ensure that the water supply is turned OFF before disassembling the product.

PROBLEM	CAUSE	RECTIFICATION
Trigger Spray does not turn off	Debris fouling ball seating washer or stainless steel ball	Dismantle and clean SBA
	Seating washer damaged or spring broken	Replace components using spare part kit (Enware Part Code FS077NS) or replace SBA (Enware Part Code FS721S)
	Piston jammed in open position	Remove dome and piston from SBA. Clean piston assembly and re-grease piston o-rings.
No flow from trigger spray outlet	Water supply turned off	Turn water on
	Seating o/ring damaged	Replace o/ring using spare part kit or replace SBA
	Debris fouling inlet or outlet ports of SBA	Dismantle and clean SBA and outlet aerator. Replace if necessary
Water discharge from top of trigger spray dome	Piston o/rings worn	Replace o/rings and re-grease spindle with service kit or replace SBA

# product warranty statement - WATTS AUSTRALIA

EFFECTIVE FROM 20 November 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](mailto: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 delivery of the Product.

PRODUCT GROUP	PRODUCT SERIES CODES	WARRANTY PERIOD (YEARS)*	LABOUR SUPPORT (YEARS)*
Safety	ECE, EEE, ENB, EFE, EL, ENBE, EM, SELF CONTAINED AND GRAVITY FED	2	1