USER MANUAL

ECOSAFE Safety Shower and Eyewash

- **ECO1000EXP**- Zero Lead Stainless Steel 304 Floor Mounted Combination Safety Shower / Eyewash
- **ECO1000FPEXP** - Zero Lead Stainless Steel 304 Floor Mounted Combination Safety Shower / Eyewash w/ Foot Pedal
- **ECO4000EXP** - Zero Lead Stainless Steel 304 Floor Mounted Eyewash
- **ECO4000FPEXP** - Zero Lead Stainless Steel 304 Floor Mounted Eyewash w/ Foot Pedal
- **ECO4010EXP** - Zero Lead Stainless Steel 304 Wall Mounted Eyewash
- **ECO2000EXP** - Zero Lead Stainless Steel 304 Wall Mounted Safety Shower
- **ECO2010EXP** - Zero Lead Stainless Steel 304 Ceiling Mounted Safety Shower
- **ECO2020EXP** - Zero Lead Stainless Steel 304 Floor Mounted Showerhead Safety Shower



Lead Free
AS 4775:2026
Lic WM 74767
ApprovalMark

Lead Free Certification
ApprovalMark International

Disclaimer: Stainless Steel Grade 304 is manufactured with ZERO Lead.

Table of Contents

Scope of Use	2
Technical Information	3
Product Images & Technical Drawings	5
Emergency Use	9
Installation Notes	10
Installation Steps	12
Operational Check-list	21
Performance Testing and Commissioning	22
Weekly Inspection and Testing	23
Annual Inspection	23
Water Quality	24
Troubleshooting	24
Cleaning & Maintenance	25
Responsibly Sourced	25

Scope of Use

Installation of all products should adhere to the manufacturer's guidelines, as well as comply with NCC, PCA, AS/NZS3500, AS 4775:2026 standards, and any other relevant regulatory provisions.
This product range complies with the Lead Free requirements of the National Construction Code Volume Three.

- **Installation:** Refer to the installation instructions included within this manual
- **Accessibility and Application:** Installation of emergency showers, eyewash equipment, eye/face wash equipment, and combination shower and eye/face wash equipment shall consider accessibility requirements for all users, including people with disabilities.
- The installation shall ensure that equipment is readily accessible, clearly identifiable, unobstructed, and capable of being operated safely and effectively by users with varying physical abilities.
- Changes to the AS4775 standard do not apply to existing installations, only installations after the standard's publishing date (effective June 5th, 2026).
- The equipment in this document is not suitable for first aid of cryogenic burns.
- Flushing fluid: drinking water or saline solution delivered through the safety equipment. The flushing fluid temperature should be maintained between 15°C and 37°C, and ideally between 20°C and 25°C.
- **Suitable for indoor and outdoor use. Not suitable for microbiological laboratories or corrosive environments.**
- **Mounting:** Floor, wall or ceiling mounted installation.

Technical Information

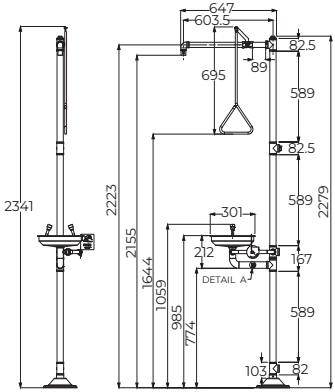
Description	ECO1000EXP	ECO1000FPEXP	ECO4000EXP	ECO4000FPEXP
Product Type	Safety Shower and Eyewash	Safety Shower and Eyewash with Foot Pedal	Safety Eyewash	Safety Eyewash with Foot Pedal
Colour / Finish	Polished	Polished	Polished	Polished
Material	Zero Lead Stainless Steel 304 Sign: Plastic	Zero Lead Stainless Steel 304 Sign: Plastic	Zero Lead Stainless Steel 304 Sign: Plastic	Zero Lead Stainless Steel 304 Sign: Plastic
Cartridge Type	Ball Valve	Ball Valve	Ball Valve	Ball Valve
Cartridge Size	15mm / 25mm	15mm / 25mm	15mm	15mm
Inlet	32mm Female	32mm Female	15mm Female	15mm Female
Flow Style	Cyclonic & Aerated Eyewash Flow	Cyclonic & Aerated Eyewash Flow	Aerated Flow	Aerated Flow
Min. Working Pressure	210kPa	210kPa	210kPa	210kPa
Max. Working Pressure	500kPa	500kPa	500kPa	500kPa
Recommended Working Pressure	350kPa	350kPa	350kPa	350kPa
Min. Working Temperature	15°C	15°C	15°C	15°C
Max. Working Temperature	37°C	37°C	37°C	37°C
Height	2400mm	2400mm	1000mm	1000mm
Clearance	2200mm	2200mm	1500mm	N/A
Reach	635mm	635mm	N/A	N/A
Flow Rate	Safety Shower: 75.7 lpm Eyewash: 13 lpm	Safety Shower: 75.7 lpm Eyewash: 13 lpm	Eyewash: 13 lpm	Eyewash: 13 lpm

Description	ECO4010EXP	ECO2000EXP	ECO2010EXP	ECO2020EXP
Product Type	Safety Eyewash	Safety Shower	Safety Shower	Safety Shower
Colour / Finish	Polished	Polished	Polished	Polished
Material	Zero Lead Stainless Steel 304 Sign: Plastic	Zero Lead Stainless Steel 304 Sign: Plastic	Zero Lead Stainless Steel 304 Sign: Plastic	Zero Lead Stainless Steel 304 Sign: Plastic
Cartridge Type	Ball Valve	Ball Valve	Ball Valve	Ball Valve
Cartridge Size	15mm	25mm	25mm	25mm
Inlet	15mm Female	25mm Male	25mm Male	32mm Female
Flow Style	Aerated Flow	Cyclonic	Cyclonic	Cyclonic
Min. Working Pressure	210kPa	210kPa	210kPa	210kPa
Max. Working Pressure	500kPa	500kPa	500kPa	500kPa
Recommended Working Pressure	350kPa	350kPa	350kPa	350kPa
Min. Working Temperature	15°C	15°C	15°C	15°C
Max. Working Temperature	37°C	37°C	37°C	37°C
Height	Suggested Height Refer to AS4775	Suggested Height Refer to AS4775	Suggested Height Refer to AS4775	Suggested Height Refer to AS4775
Clearance	Suggested Height Refer to AS4775	Suggested Height Refer to AS4775	Suggested Height Refer to AS4775	2150mm
Reach	N/A	N/A	N/A	635mm
Flow Rate	Eyewash: 13 lpm	Safety Shower: 75.7 lpm	Safety Shower: 75.7 lpm	Safety Shower: 75.7 lpm

Further performance data may be available upon request.

Product Images & Technical Drawings

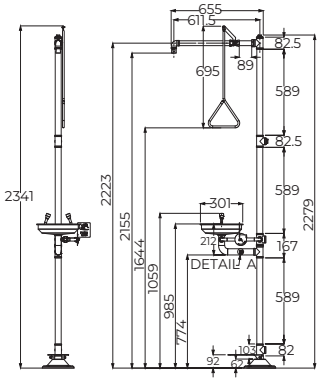




ECO1000EXP

Zero Lead Stainless Steel 304 Floor Mounted Combination Safety Shower / Eyewash

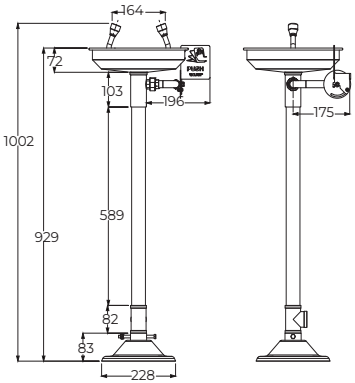




ECO1000FPEXP

Zero Lead Stainless Steel 304 Floor Mounted Combination Safety Shower / Eyewash w/ Foot Pedal

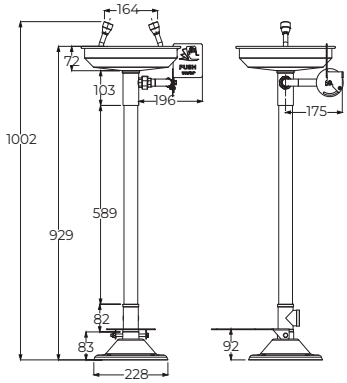




ECO4000EXP

Zero Lead Stainless Steel 304 Floor Mounted Eyewash

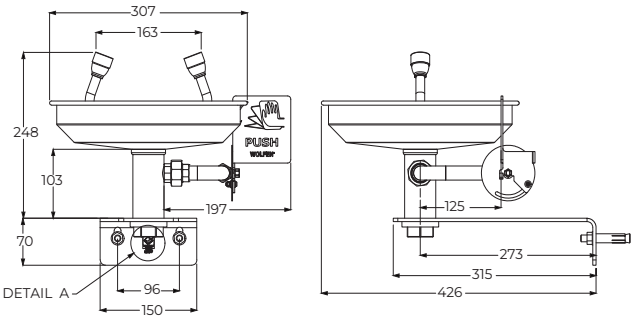




ECO4000FPEXP

Zero Lead Stainless Steel 304 Floor Mounted Eyewash w/ Foot Pedal

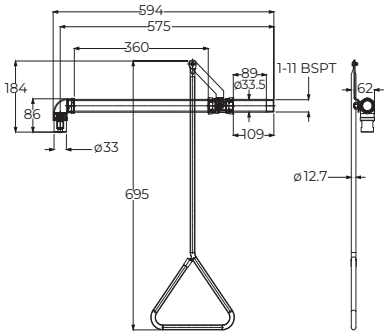




ECO4010EXP

Zero Lead Stainless Steel 304 Wall Mounted Eyewash

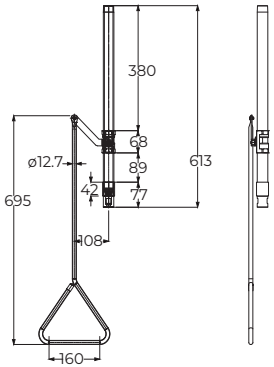




ECO2000EXP

Zero Lead Stainless Steel 304 Wall Mounted Safety Shower

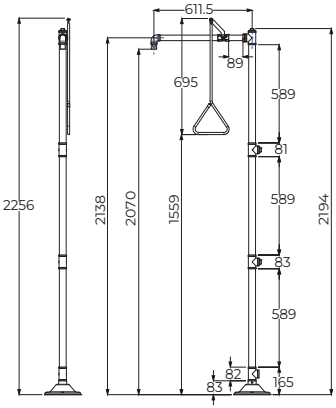




ECO2010EXP

Zero Lead Stainless Steel 304 Ceiling Mounted Safety Shower





ECO2020EXP

Zero Lead Stainless Steel 304 Floor Mounted Showerhead Safety Shower

Note: Dimensions are provided as a guide and are subject to manufacturing tolerances.

Emergency Use

Eyewash

1. Activate the eyewash immediately by pushing on the lever handle located to the right of the eyewash basin.
2. Position both eyes in the flushing streams and hold the eyelids open so the flushing fluid can rinse the eyes.
3. Continue flushing in accordance with the workplace emergencyprocedure and the relevant safety information for the substance involved.
4. Obtain appropriate medical assistance after exposure.

Safety Shower

1. Activate the safety shower immediately by pulling the operating handle.
2. Position the affected areas of the body directly beneath the showerhead to ensure thorough flushing.
3. To prevent continued exposure to hazardous substances, remove contaminated clothing and accessories while flushing, where safe to do so.
4. Continue flushing in accordance with the workplace emergency procedure and the relevant safety information for the substance involved.
5. Obtain appropriate medical assistance after exposure.

Installation Notes

1. **Existing Indoor Installations**
   Where no trade waste drainage system is provided, use bunding or equivalent containment to prevent flushing fluid from entering adjacent areas.

2. **Outdoor Installations**
   Do not discharge flushing fluid to stormwater, waterways or soil. Use suitable bunding, retention pits or another authorised containment system.

3. **Drain Discharge**
   Dispose of discharge through an approved sewer connection, onsite treatment system, or a dedicated collection system sized for at least 20 minutes of maximum design flow. This ensures there is no slip, trip or access hazard.

4. **Training**
   Persons who work with, or may be exposed to, hazardous materials shall be trained in the location and correct use of emergency shower, eyewash and eye/face wash equipment.

5. **Back-flow Prevention**
   For installations where the unit is connected to a potable water supply, a suitable backflow prevention device shall be installed upstream of the unit. The device shall be installed in the correct orientation and location in accordance with the applicable Australian Standards and local water authority requirements. The backflow prevention device shall not restrict the water supply below the flow and pressure requirements of the emergency washing equipment.

6. **Operational Clearance**
   Do not store equipment, chemicals, cartons, pallets or other materials within the designated emergency equipment area or access path.

7. **Signage**
   Emergency shower, eyewash and eye/face wash equipment locations shall be identified with the provided signage. The signage shall be positioned so it is visible throughout the area served by the shower.

8. **Shut-off Valves**
   Shut-off valves installed for maintenance purposes shall be locked in the open position. Before closing shut-off valves, a risk assessment shall be conducted in consultation and communicated with workers in the area. Depending on the duration of shut-off, operations shall be suspended until supply is restored.

9. **Location of Hazardous Chemicals**
   Chemicals that are reactive to water shall not be stored in locations where they could get wet from the activation of an emergency shower or eyewash equipment.

Accessibility

The installation and positioning of emergency showers, eyewash and eye/face wash equipment must consider the abilities of all potential users, including persons with disabilities or impairments.

Equipment must be positioned to ensure users can:

- Identify, locate and understand how to operate the emergency equipment.
- Access the equipment from their workstation within 10 seconds, considering mobility aids, obstructions, lighting, floor conditions and other environmental factors.
- Easily identify and activate operating mechanisms, including pull handles, levers and foot pedals.
- Position themselves beneath the shower spray or in front of the eyewash equipment to receive effective flushing.
- Remove contaminated clothing without assistance and operate or adjust the equipment as required, including from a seated position where applicable.
- Access the equipment without having to travel through more than one door.

A documented ergonomic task analysis must also be conducted by a compotent person to evaluate and identify reasonable adjustaments for persons with a disability or impairment. Please refer to AS4775:2026 for a detailed outline of the required analysis.

Where steps, hobs or drainage sumps restrict accessibility, suitable transition strips or ramps shall be installed to improve access.

Refer to the AS 1428 series and applicable National, State and Territory accessibility requirements for further guidance.

INSTALLATION

Installation Steps

BEFORE SETUP, MAKE SURE:

1. The safety shower and eyewash should be installed in close proximity to potential accident areas. All emergency shower, eyewash and eye/face wash equipment, including combination units and portable units shall be:
   a. available for immediate use; and
   b. positioned in accessible locations.

   It shall take no longer than 10 seconds for an individual to reach the nearest equipment.

2. The unit must be free from obstructions and should be easy to both access and activate.

3. General power outlets, light switches and electrical equipment that are installed near emergency showers, eyewashes and eye/face wash equipment shall meet the requirements of AS/NZS 3000.

   a. Extra-low voltage systems that are used within one of the wetted zones (e.g. for alarm systems) shall meet the requirements of AS/NZS 3000.
   b. Barriers that are to be installed to protect electrical equipment from water spray, splashing or any other exposure to water from the equipment shall meet the requirements of AS/NZS 3000.

4. Emergency equipment shall be positioned on a solid surface (not earth) and have an unobstructed access zone with a minimum diameter of 900mm.

5. The shower outlet on emergency showers must not be used for eye-washing as they deliver high volumes of water at significant pressure, which may cause eye injury.

6. Any equipment connected to a drinking water supply shall comply with the applicable minimum requirements of the NCC and AS/NZS 4020.

7. Supply lines for heated or cold-water systems shall be hydraulically calculated to meet the flow requirements of the system being installed.

8. Working pressure is 210 kPa - 500 kPa and the recommended working pressure is 350 kPa.

9. Working temperature is between 15 and 37 degree celcius.

10. An inlet filter is recommended in case of sediment and mineral content.

11. Before installing the eyewash, check for any debris or excess Teflon that could block the nozzle of the eyewash.

12. The eyewash flow shall be positioned with the flushing fluid nozzles at 838mm or more and not more than 1143mm from the surface on which the user stands and should be at least 153mm away form the wall or nearest obstruction.

13. Test the shower before using.

14. Verify that the product is the correct model and that all components are present and undamaged.

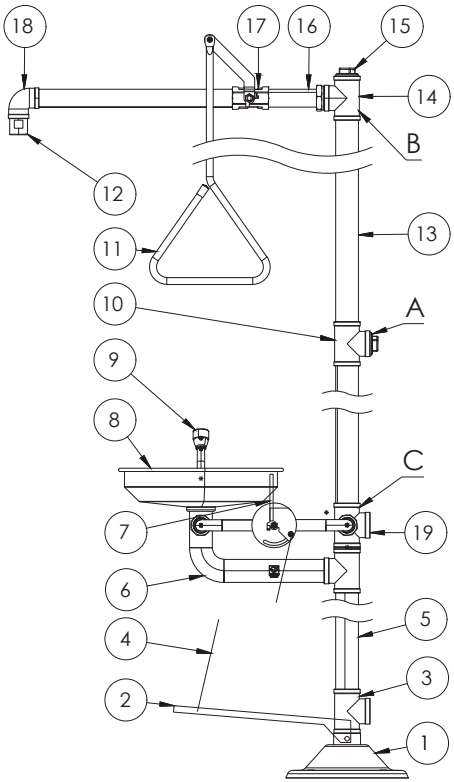
15. Verify that the wall/supporting structure is adequate.

16. Water supply lines must be flushed before connecting the product to remove sediment, scale and debris.

17. The installation area should be well illuminated whenever the workplace is occupied.

18. The floor drain shall be sized and positioned to prevent flooding of adjacent areas.

ECO1000EXP, ECO1000FPEXP EXPLODED DRAWING



No.	Product Code	Qty.
01	Base	1
02	Foot Pedal (For ECO1000FPEXP only)	1
03	1-1/4 Drain Tee	1
04	Chain for Foot Pedal	1
05	Drain Pipe	1
06	Eyewash Assembly	1
07	Eyewash Push Valve	1
08	Eyewash Basin	1
09	Eyewash Sprinkler	1
10	1-1/4 Inlet Tee (A)	1
11	Shower Rod	1
12	Shower Head	1
13	Inlet Pipe	1
14	1-1/4 Inlet Tee (B)	1
15	Tee Cap	1
16	1 Inch Shower Pipe	1
17	Shower Hand Valve	1
18	Shower Bend	1
19	1-1/4 Inlet Tee (C)	1

NOTE: Inlet C is the default inlet. Inlets A or B can be used if preferred.

INSTALLATION

ECO1000EXP, ECO1000FPEXP INSTALLATION STEPS

Step 1. Mount base plate to the floor, mark the holes for the screws drill and screw the base plate securely to the floor.

Note: For foot pedal use, ensure the bolt hole orientation.

Step 2. Apply Loxeal to the thread of the (BOTTOM PIPE) and screw it to the base plate.

Step 3. Apply adequate thread tape on top of the drainpipe thread and screw on the eyewash assembly (ensure the inlet is facing the rear).

Step 4. Attach eyewash bowl over the eyewash assembly ensure the rubber washer is in place, apply adequate thread tape to the eye wash nozzle and screw into the eyewash assembly, (ensure the nozzles are facing left to right).

Step 5. Apply adequate thread tape to the (MIDDLE PIPE) thread and screw it to the top of the eye wash assembly.

Step 6. Apply adequate thread tape to the (TOP PIPE) thread and screw it to the (MIDDLE PIPE), ensure the Tee outlet is facing front.

Step 7. Apply adequate thread tape to the shower arm and screw it to the (TOP PIPE), ensure the shower head is facing downwards.

Step 8. Assemble pull handle to the ball valve lever and screw it together. The ball valve lever should be 10 o'clock position when closed and pulled down to activate.

Step 9. Attach water supply to the inlet and check for leaks.

Step 10. Activate the push handle for the eyewash check and adjust the flow if necessary, adjustment screws are located in between the nozzles, a template (included on page 17) can be used for the correct water flow.

Step 11. Activate pull handle to verify shower operation.

ECO1000FPEXP FOOT PEDAL INSTALLATION STEPS

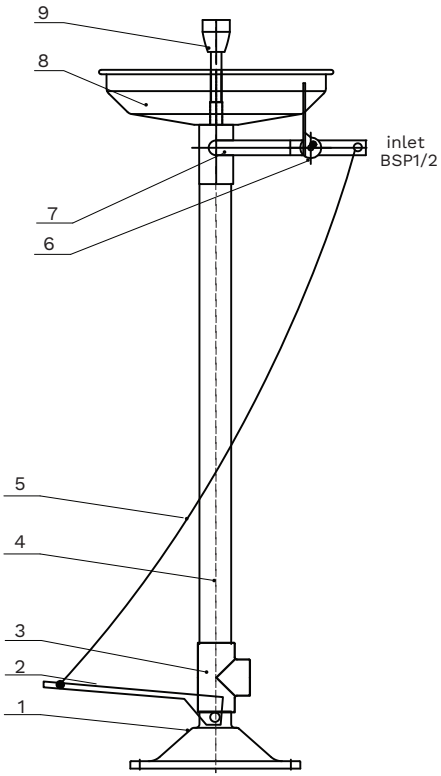
For installing the foot pedal connection to the push handle:

Step 1. Screw the foot pedal to the base (1).

Step 2. Connect the chain between the push handle (6) and pedal (2).

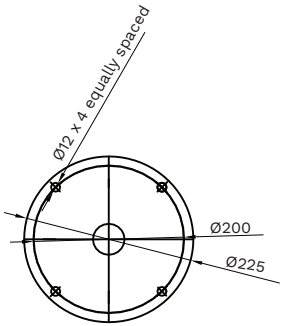
The push handle must be upright and the pedal should be raised when in a closed position.

ECO4000EXP, ECO4000FPEXP EXPLODED DRAWING



No.	Product Code	Qty.
01	Base	1
02	Foot Pedal (For ECO4000FPEXP only)	1
03	1-1/4 Drain Tee	1
04	Drain Pipe	1
05	Chain	1
06	Eyewash Push Valve	1
07	Hand Push Valve Body	1
08	Eyewash Basin	1
09	Eyewash Sprinkler	1

Figure 1



INSTALLATION

ECO4000EXP, ECO4000FPEXP INSTALLATION STEPS

Step 1. Mount base plate (1) on the floor, mark the holes for the screws. Drill and screw the base plate securely to the floor. (Dynabolts provided).

Note: For foot pedal use, ensure the bolt hole orientation.

Step 2. Apply Loxeal to the thread of the base plate and screw on drain pipe. For foot pedal model, ensure the Tee is facing correct direction.

Step 3. Apply adequate thread tape to the top of the drain pipe thread and screw on the eyewash assembly (ensure the inlet is facing the rear).

Step 4. Attach eyewash bowl over the eyewash assembly, ensure rubber washer is in place, apply adequate thread tape to the eyewash nozzle and screw into the eye wash assembly (ensure the nozzles are facing left to right).

Step 5. Attach water supply to the inlet and check for leaks.

Step 6. Activate the push handle for the eyewash and check the water flow. If necessary, adjustment screws are located in between the nozzles. A template (included on page 17) can be used for the correct water flow.

ECO4000FPEXP FOOT PEDAL INSTALLATION STEPS

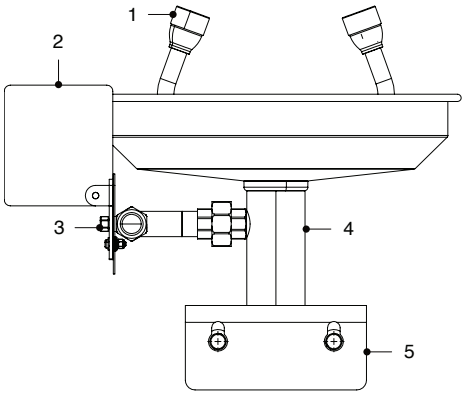
For installing the foot pedal connection to the push handle:

Step 1. Screw the foot pedal to the base (1).

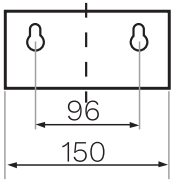
Step 2. Connect the chain between the push handle (6) and pedal (2).

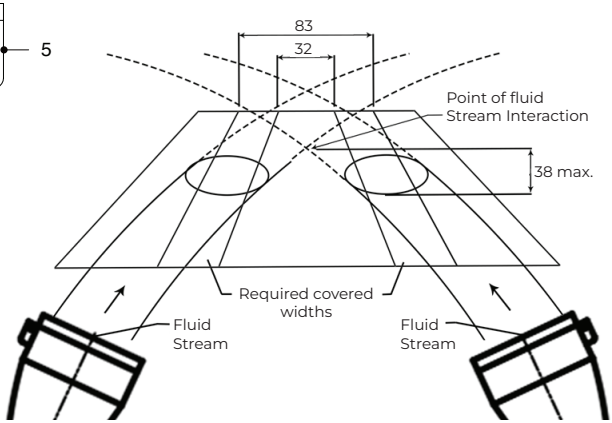
The push handle must be upright and the pedal should be raised when in a closed position.

ECO4010EXP EXPLODED DRAWING



No.	Product Code	Qty.
01	Eyewash Sprinkler	2
02	Hand Push Plate	1
03	Eyewash Push Valve	1
04	Non Standard Tee	1
05	Wall Mounted Plate	1





ECO4010EXP INSTALLATION STEPS

Step 1. Positioning the mounting holes as per the drawing above, ensuring that once mounted the eyewash nozzles are not less than 838mm and no more than 1143mm from the suface on which the user would stand.

Step 2. Mount wall bracket to wall securely in adherence to AS 4775.

Step 3. Screw eyewash assembly to wall bracket.

Step 4. Screw on the eyewash assembly from underneath with the lock nut (ensuring the 1/2" BSP female inlet is facing the rear).

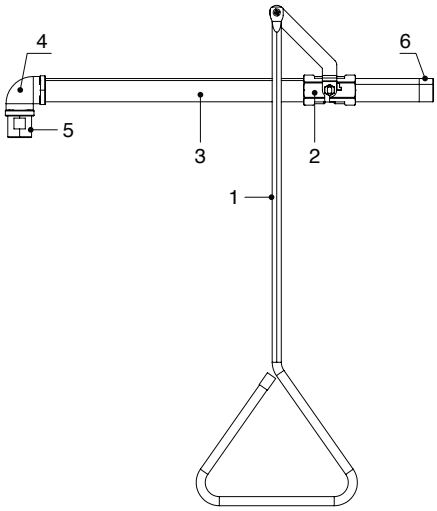
Step 5. Attach water supply to the inlet and check for leaks.

Step 6. Activate the push handle for the eyewash and check the water flow.

Step 7. Adjust the water flow by screwing/unscrewing the screw located in between the nozzles as per template above.

INSTALLATION

ECO2000EXP EXPLODED DRAWING



No.	Product Code	Qty.
01	Shower Rod	1
02	Shower Hand Valve	1
03	1" Shower Pipe	1
04	Shower Bend	1
05	Shower Head	1
06	1-1/4 x 1" Nipple	1

ECO2000EXP INSTALLATION STEPS

Step 1. Position the wall water supply no less than 2155mm and no more than 2500mm from the surface on which the user stands.

Step 2. Apply adequate thread tape and connect to the wall water supply.

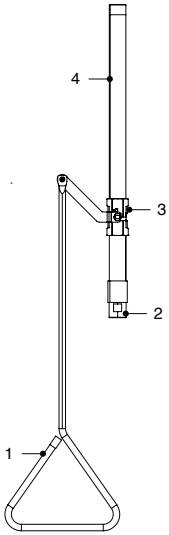
Step 3. Screw the pull handle to the ball valve lever.

Note: Ball valve lever should be in the 10 o'clock position when closed and pulled down to activate.

Step 4. Turn on water supply check for leaks.

Step 5. Activate pull down handle and verify shower operation.

ECO2010EXP EXPLODED DRAWING



No.	Product Code	Qty.
01	Shower Rod	1
02	Shower Head	1
03	Shower Hand Valve	1
04	1" Shower Pipe	1

ECO2010EXP INSTALLATION STEPS

Step 1. Apply adequate thread tape and connect to the water supply.

Step 2. Screw the handle to the ball valve. The lever should be facing towards the ceiling when closed. The handle can be pulled down to activate the shower.

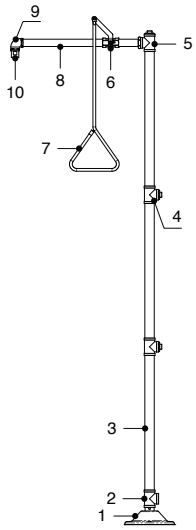
Step 3. Turn on water supply check for leaks.

Step 4. Activate pull down handle to verify shower operation.

NOTE: Product should be connected to a water supply at a minimum height of 2696mm and a maximum height of 3051mm so that the shower head is located at a position compliant with AS 4775:2026.

INSTALLATION

ECO2020EXP EXPLODED DRAWING



No.	Product Code	Qty.
01	Base	1
02	Inlet	2
03	Inlet Pipe	3
04	Inlet Tee	1
05	Tee	1
06	Shower Hand Valve	1
07	Shower Rod	1
08	1" Shower Pipe	1
09	Shower Bend	1
10	Shower Head	1

ECO2020EXP INSTALLATION STEPS

Step 1. Mount base plate to the floor, mark the holes for the screws drill and screw the base plate securely to the floor.

Step 2. Apply Loxeal to the thread of the (BOTTOM PIPE) and screw it to the base plate.

Step 3. Apply adequate thread tape on top of the drainpipe thread (BOTTOM PIPE) and screw on the (MIDDLE PIPE), (ensure the inlet is facing the rear).

Step 4. Apply adequate thread tape to the (TOP PIPE) thread and screw it to the (MIDDLE PIPE), ensure the Tee outlet is facing front.

Step 5. Apply adequate thread tape to the shower arm and screw it to the (TOP PIPE), ensure the shower head is facing downwards.

Step 6. Assemble pull handle to the ball valve lever and screw it together. The ball valve lever should be 10 o'clock position when closed and pulled down to activate.

Step 7. Attach water supply to the inlet and check for leaks.

Step 8. Activate pull handle to verify shower operation.

Operational Check-list

This checklist can also serve as a return-to-service procedure.

Before placing the unit into service, ensure correct operation by completing the following applicable checks:

- [ ] Activate the eyewash and confirm that water is delivered from both outlets.
- [ ] Confirm that the eyewash operating valve functions correctly and remains open as intended for emergency operation.
- [ ] Check that the two eyewash flushing streams rise to approximately equal heights and wash both eyes simultaneously — as pictured on page 17.
- [ ] Confirm that the eyewash flushing streams are delivered at a safe pressure that will not cause injury to the user.
- [ ] Activate the safety shower and confirm that water is delivered continuously from the showerhead.
- [ ] Confirm that the shower operating valve activates easily and remains open without requiring the user to hold the handle.
- [ ] Check that the shower produces a consistent and evenly distributed spray pattern, providing adequate coverage of the user's body (minimum 508mm diameter spray pattern at a height of 1524mm above the surface on which the user would stand).
- [ ] Confirm that the shower delivers a sufficient water flow of 75.7 L/min using a flowmeter or another suitable method and at a pressure effective for emergency flushing.
- [ ] Confirm that the eyewash delivers a sufficient water flow of at least 1.5L/min using a flowmeter or another suitable method and at a pressure effective for emergency flushing.
- [ ] For combination units, activate the shower and eyewash simultaneously and confirm that both maintain the required flow and pressure.
- [ ] Confirm that the flushing fluid is drinking water or saline solution and that the flushing temperature is between 15°C and 37°C, ideally between 20°C and 25°C.
- [ ] Check the unit and pipework for leakage and make any permitted adjustments before placing the unit into service.
- [ ] Confirm that the area surrounding the emergency shower and eyewash remains clear, unobstructed and readily accessible.
- [ ] Ensure that the eyewash cover has been placed over the eyewash nozzles at the end of service to protect them from contaminants.

Performance Testing and Commissioning

Following installation and before placing the equipment into service, verify the following performance requirements using a flowmeter, suitable measuring equipment and the applicable test gauges.

Emergency Showers

- Verify a minimum flushing fluid flow rate of 75.7 L/min for at least 15 minutes.
- Confirm that the showerhead is positioned between 2,083 mm and 2,438 mm above the standing surface
- Verify a minimum spray diameter of 508 mm at a height of 1,524 mm above the standing surface.
- Ensure the spray centre is at least 406 mm from any obstruction.
- Confirm that the operating valve fully opens within 1 second and remains open without requiring the user to hold the actuator.
- Test using an uninterrupted flushing fluid supply capable of delivering 75.7 L/min at 210 kPa.

Eyewash Equipment

- Verify a minimum flushing fluid flow rate of 1.5 L/min for at least 15 minutes.
- Confirm that both eyes can be flushed simultaneously at a safe pressure.
- Ensure both flushing streams reach approximately equal heights.
- Verify the flushing pattern using the supplied eyewash test gauge.
- Confirm that protective nozzle covers release automatically upon activation.
- Confirm that the operating valve fully opens within 1 second and remains open without requiring the user to hold the actuator.
- Test using an uninterrupted flushing fluid supply capable of delivering 1.5 L/min at 210 kPa.

Combination Units

- Where a combination emergency shower and eyewash is installed, activate both outlets simultaneously and verify that each maintains the required flushing performance.

Weekly Inspection and Testing

All emergency shower and eyewash equipment shall be activated and inspected at least once every week to verify continued operational readiness.

During weekly testing, ensure that:

- The equipment activates correctly and delivers a continuous supply of flushing fluid.
- The flushing fluid temperature remains between 15°C and 37°C, ideally between 20°C and 25°C.
- Supply lines are flushed sufficiently to remove accumulated sediment and stagnant water.
- Eyewash outlets are free from obstructions and contamination.
- All valves, handles and foot pedals operate correctly.
- Equipment is free from leaks, corrosion and physical damage.
- The surrounding area remains unobstructed and accessible.
- Any installed alarms operate correctly.

Weekly Inspection Record

Inspection item	Pass	Fail	N/A
Unit activates correctly	☐	☐	☐
Continuous flushing fluid available	☐	☐	☐
Flushing fluid temperature acceptable	☐	☐	☐
Supply lines flushed and clear	☐	☐	☐
Eyewash outlets free of debris	☐	☐	☐
No leaks, corrosion or damage	☐	☐	☐
Access area unobstructed	☐	☐	☐
Alarm operational (if fitted)	☐	☐	☐

All weekly inspections shall be documented using the supplied servicing test tag or an equivalent maintenance record.

Any variation to the weekly testing frequency shall be supported by a documented risk assessment considering water quality, microbial growth, supply reliability, environmental conditions and workplace hazards.

Annual Inspection

All emergency shower and eyewash equipment shall undergo an annual inspection to verify continued compliance with AS 4775:2026.

The inspection shall include verification of equipment condition, valve operation, flushing fluid flow, spray performance, accessibility and other applicable performance requirements.

The inspection date shall be recorded on a permanent inspection tag attached to the equipment.

Equipment that fails inspection shall be clearly identified as **OUT OF SERVICE** until the identified deficiencies have been rectified and satisfactory operation has been verified.

Water Quality

Maximum chloride Cl- level Guidelines in plumbing systems

	Cold Water
Grade 304	200
Grade 316	1000

When materials may be used in either hot or cold water lines, the guidelines for hot water should be used.

Note: Chlorides in water - where the density of the solvent (water) is 1 (which it is to within 0.1% at ambient temperatures), then mg/L = ppm.

Chlorine guidelines (not to be confused with chloride)

- 304 suitable for chlorine levels up to 2ppm.
- 316 suitable for chlorine levels up to 5ppm.
- Short term dosing, for example 25-50ppm, for sterilisation purposes of 24-48 hours acceptable if effectively flushed through afterwards.
- Sterilisation is essential during commissioning of potable water systems.

Reference: https://www.assda.asn.au/component/content/article?id=271:chlorine-and-chloride--same-element,-very-different-effect

For brass products, please ensure the chlorine and chloramines levels are not more than 0.4 ppm.

Please ensure that the water quality supplied to the fixtures meets safe drinking standards to prevent potential staining of the product. Any equipment connected to a drinking water supply shall comply with the applicable minimum requirements of the NCC and AS/NZS 4020.

Troubleshooting

Problem	Cause	How to Fix
Ball valve not shutting off	• Rusting of ball valve. This occurs when the product is not used regularly	• Ball valve has seized, needs to be replaced • Maintain regular cleaning
Temperature of water is too hot or too cold	• External weather conditions affecting pipework • Inlet water has no temperature control in place	• The optimum temperature can be obtained using anti scald/ freeze valves

For additional troubleshooting information, please refer to the comprehensive Troubleshooting Guideline.

Cleaning & Maintenance

All ECOSAFE products are supplied with a servicing test tag to ensure weekly test records are kept as per AS 4775:2026.

To minimise downtime and maximise the functional life of the product, GENTEC recommends servicing your product at least every 12 months, under heavy use they may need to be checked and serviced more often.

- The product must be handled carefully to avoid causing any physical damage.
- Use the product at least once every week to ensure all parts are kept lubricated and functioning properly.
- Inspect the product annually to confirm that it continues to meet the requirements of AS4775:2026. The service timeline provided is based on normal use. More frequent servicing may be required for heavy usage.
- A working pressure of 350kPa is highly recommended to ensure the maximum up-time of the product.
- Regularly clean the product with a soft cloth with warm soapy water, wash off with warm water and dry off with a soft dry cloth, paying attention to removing the dust and contamination in the bends and joints is highly recommended.
- Abrasives, hard clothes, strong acids, and bleaches must be avoided when cleaning stainless steel products.
- Installation must be completed by a qualified and licenced plumber and adhere to AS/NZS3500 and manufacturer's recommendations.

Parts	Product Name
ECO5013	ECOSAFE Freeze protection valve
ECO5012SS	ECOSAFE SS Scald protection valve full open 40.5°C - Full Close - 35°C

Where the possibility of freezing conditions exists, equipment shall be protected from freezing or freeze-protected equipment shall be installed.

Responsibly Sourced



Reduce Carbon Footprint
GENTEC is rejuvenating the product- no power, less maintenance and longer life.

Rejuvenation Program
To learn more about the rejuvenation program, please contact our customer service at info@gentecaustralia.com.au for more information.

Ethically and Environmentally Sourced
Please refer to GENTEC Business Ethics & Ethical Sourcing Policy at https://gentecaustralia.com.au/terms-and-conditions/

GENTEC

ISO 9001 Certified ApprovalMark

A: Unit 6, 20-28 Ricketty St,
Mascot, Sydney, NSW 2020

E: info@gentecaustralia.com.au

P: +612 9319 4422

F: +612 8088 7635

Gentec products come with a Manufacturer's Warranty. To ensure the validity of this warranty, Gentec products must be installed following the provided installation instructions and adhering to AS 3500, NCC Volume Three, relevant Australian Standards, and any local authority requirements applicable to the product. Additionally, water and electrical supply conditions must meet the appropriate national and/or state standards. Non-compliance with these provisions may void the warranty and impact product performance.

Note: The information provided is only a guide, actual product may differ. The information here should not be relied on without clarification with Gentec. Gentec reserves the right to make design changes at any time without notification.

*Subject to terms and conditions. For detailed warranty information, installation compliance, maintenance and cleaning guidelines, and other relevant details, please visit https://gentecaustralia.com.au