

WELKEN[®]

BD-508B

Stainless Steel and ABS Wall Mounted Eye Wash Instructions

Standard: ANSI Z358.1-2014



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We are insist to improve products structure and performance, without further notice if any change.

Product Concept

Emergency eyewash and shower units are designed to rinse contaminants from the user's eyes, face or body. As such, these units are forms of first aid equipment to be used in the event of an accident. However, they are not a substitute for primary protective devices (including eye and face protection and protective clothing) or for safety procedures when handling hazardous materials. BD-508B Wall Mounted Eye Wash main material is SS304 and ABS. It is equipped with ABS eye wash bowl and ABS eye wash nozzle. If strong acids, alkalis or chlorides are present in the environment then we recommend using the SS316 or ABS eye wash.

Original Water

Drinking water or filtered water.

Technical Data

Supply: 1/2" FNPT

Waste: 1 1/4" MNPT

If the pressure exceeds 0.2-0.6MPa, please install the relief valve to protect the user's eyes.

Eye wash flow $\geq 11.4\text{L/Min}$

Training

Simply installing emergency equipment is not sufficient means of ensuring worker safety. It is also very important that employees are trained in the location and proper use of emergency equipment. Research shows that after an incident has occurred, rinsing eyes within the first ten seconds is essential. Therefore, employees at the highest risk of damaging their eyes in each department must be trained regularly. All employees must know the location of the emergency equipment and be aware that quick and effective rinsing is important in an emergency.

- The sooner the injured employee's eyes are rinsed, the lower the risk of damage. Every second is important when preventing permanent damage to save time for medical treatment.
- All employees must be reminded that this equipment is only to be used in emergencies, tampering with the equipment may cause a malfunction.

In emergencies, the afflicted may be unable to open their eyes. Employees may feel pain, anxiousness and loss. They may need others' help to reach the equipment and use it.

- Push the handle to spray the liquid.
- When liquid sprays, put the injured employee's left hand on the left nozzle, and the right hand on the right nozzle.
- Put the injured employee's head over the eye wash bowl which is hand controlled.
- When rinsing the eyes, use both hands' thumb and index finger to open the eyelids, rinsing for at least 15 minutes.
- After rinsing, seek medical treatment immediately
- Security and supervisory personnel must be notified that the equipment has been used.

Maintenance

There should be professional staff to take charge of the emergency equipment and do as follows:

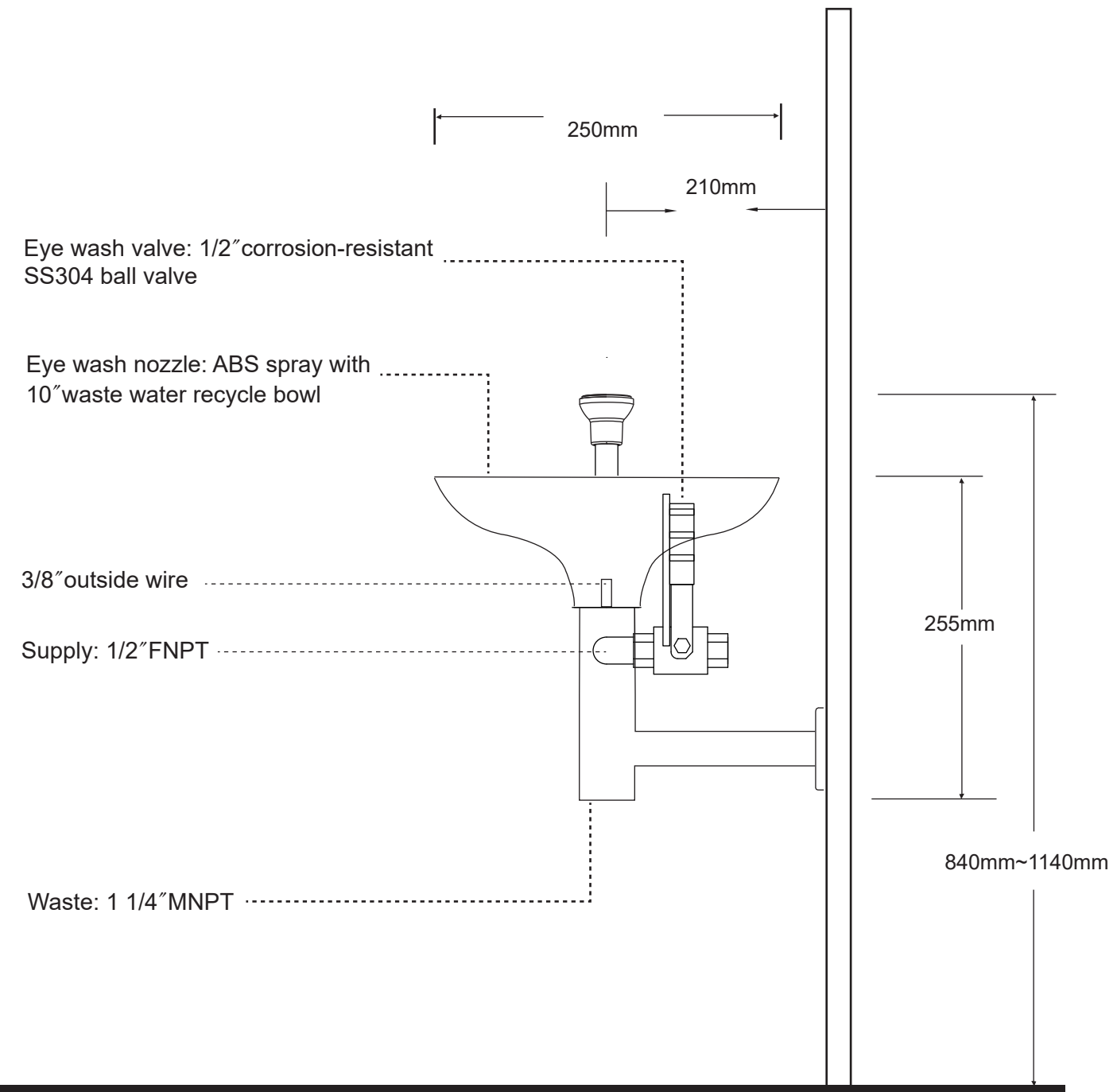
- Regularly check the valve, pipe, eye wash nozzle and bowl.
- Clear the obstructions around the equipment.
- Empty the liquid from the equipment once a week if the equipment is not used for a long time in order to avoid harming the eyes again.

In winter, the emergency equipment must be protected from freezing.

Avoid sudden changes in the equipment's environment to prevent damage and possible malfunction.

Around the emergency equipment there should be adequate lighting so that people can find the equipment in the dark. If necessary, the equipment should be equipped with a warning device, so that other employees can help in an emergency.

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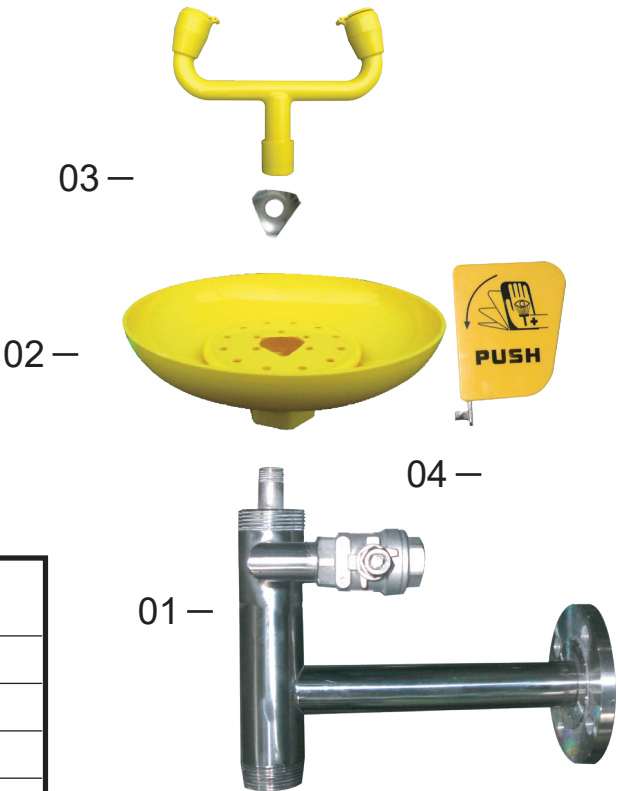
Installation Steps

- Step 1: Fix the main body with flange to the wall.
- Step 2: Put the eye wash bowl to the main body.
- Step 3: Put the tablet to the center position of eye wash bowl.
- Step 4: Connect the eye wash nozzle to the main body, tighten the tablet.
- Step 5: Install the lever onto the ball valve.

ATTENTION:

- 1. When fix the joint, do not back, which can avoid water leakage due to loss of sealing of PTFE.
- 2. Do not tighten the joint too much, having space to adjust the eye wash position.

Accessories & Components	
No.	Accessories
01	Main body
02	Eye wash bowl
03	Eye wash nozzle, Tablet
04	Lever
05	Instruction sheet
06	Warning sign



Eye Wash Maintenance Instructions

Maintenance Instructions

1. Check the eye wash device every day to ensure that the water is normal. If there is a problem, find the reason immediately and eliminate it in time.
2. Check the water release every three days, check whether the water is normal, whether there is water leakage, and the water supply pipe scales are discharged cleanly to ensure the safety and hygiene of the eye wash.
3. Check whether the eye wash parts are damaged, missing, and affect the use.
4. Regularly clean and wipe the outside of the main pipe of the eye wash or the protective shell of the electric heat tracing eye wash to avoid acid and alkaline substances to corrode the eye wash.

Fault Check

Serial Number	Fault Conditions	Methods
1	There is no water from the eye wash	(1) Check whether the water inlet is open. (2) Check whether the water inlet pipeline is frozen. (3) For the emptying type eye wash, check whether the drain valve of the eye wash is in the emptying state and whether the pedal linkage is effectively connected with the emptying system. (4) For electric heat tracing eye wash, check whether the power of the eye wash is in normal supply.
2	The water from the eye wash is too large	Set a pressure reducing valve at the water inlet
3	The water from the eye wash is too small	(1) Check if the eye wash nozzle is blocked. (2) Increase the pressure of the water source.
4	The eye wash is damaged	Contact the manufacturer or supplier to discuss repair methods or replace them directly.

Installation Method of ABS Eye Wash Bowl

Step 1



Observe the position of the built-in rubber gasket in the eye wash bowl, if there is any deviation, please put the rubber gasket in right position.

Step 2



Put the bottom of eye wash bowl in the pipe coupling

Step 3



Put the tablet to the middle of eye wash bowl

Step 4



Connect the eye wash nozzle to the joint of pipe coupling, then fix the tablet