

# Curtain Booth Type Emergency Shower & Eyewash with Drain Sink

## BD-550CB



It complies with the regulations in ANSI Z358.1-2014 standard and OSHA 29 CFR 1910.151(C) issued by ANSI has acquired CE Certification

### INTRODUCTION

Combination showers provide instant access to a safety shower and or an emergency eyewash in one location. Besides, the curtain gives the user privacy and prevents water from splashing out into the surrounding area.

Use our Curtain Booth Type Emergency Shower & Eyewash Station with Sink for an immediate response to remove toxic or harmful substances. Our Model BD-550CB comes with both hand push plates and foot treadles for immediate flushing of water.

Accidental chemical exposures can still occur even with good engineering controls and safety precautions. As a result, it is essential to look beyond the use of goggles, face shields, and procedures for using personal.

### FEATURES:

- Compatible Shower & Eyewash: Model BD-550CB
- Sink Material: 304 Stainless Steel
- Type: Circular Curtain with containment sink
- Activation: Hand Push Plate and Foot Treadle
- Standard: ANSI Z358.1-2014
- Warranty: 24 Months from product supply against manufacturing defects



9001:2008



## Product Concept

Emergency eye wash 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 dothing) or for safety procedures when handling hazardous materials. BD-550C Foot Control Stainless Steel Combination Eye Wash/Shower main material is SS304, the pedal is made of ABS, especially suitable for use with weak acids and and alkalis.

## Location

- In general, the ANSI standard requires that emergency equipment be installed within 10 seconds walking distance from the location of a hazard (approximately 55 feet).
- The equipment must be installed on the same level as the hazard (i.e. accessing the equipment should not require going up or down stairs or ramps).
- The path of travel from the hazard to the equipment should be free of obstructions and as direct as possible.
- The location of the emergency equipment must be marked with a highly visible sign.

## Original Water

Drinking water or filter water

## Hydraulic Pressure & Flow Rate

If the pressure exceeds 0.2-0.6MPA. please install the relief valve to protect the user's eyes. Eye wash flow:: 11.4L/ Min. shower flow;;, 75.7 L/ Min.



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### Technical Data

Head: 10" ABS plastic in safety yellow head  
Eye wash nozzle: ABS plastic eye wash with 1" o.d. waste water recycle bowl  
Shower valve: 1" • SS304 ball valve  
Eye wash valve: 1/2" SS304 ball valve  
Supply: 1 1/4" • FNPT  
Eye wash basin waste water valve: 1 1/4" FNPT  
Waste: 1 1/4" • FNPT

### 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.

#### Eye/face Wash

- 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.
- 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.

#### Shower

- Use the pull rod to start the liquid flow.
- The injured should stand in the water flow once it has started.
- Ensure affected areas are in the water flow.
- Do not rinse by hand, to avoid further injury.

### Special Note

Not anti-freeze eye wash, Using temperature must be beyond 10°F  
If chemicals which react dangerously with water, alternative harmless neutralizer or special eye wash solution should be used as water source.

## 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



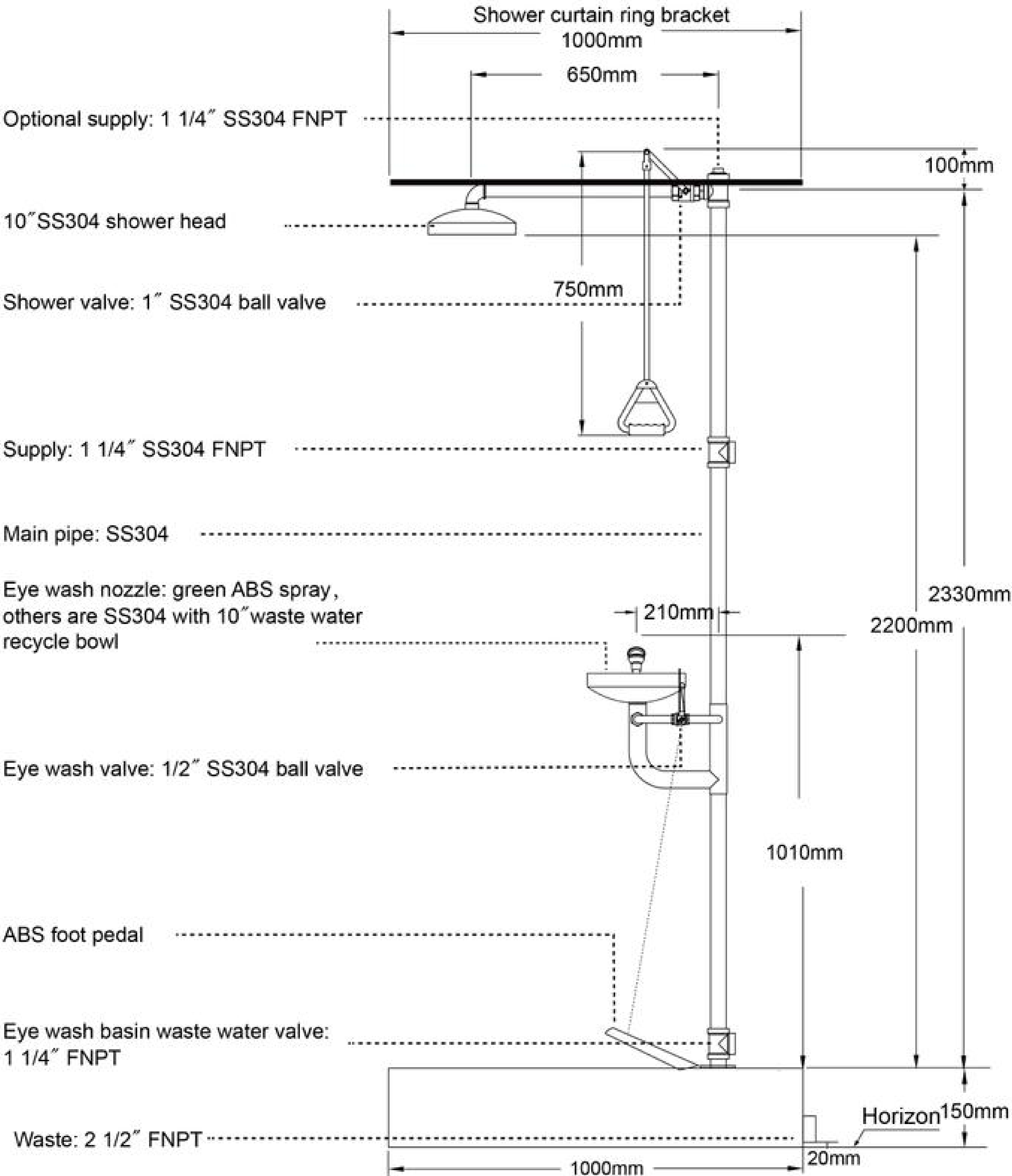
Connect the eye wash nozzle to the joint of pipe coupling, then fix the tablet



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### Drawing



### Special Note:

1. Not anti-freeze eye wash, Using temperature must be beyond 10°C.
2. If chemicals which react dangerously with water, alternative harmless neutralizer or special eye wash solution should be used as water source.



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### 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 No	Fault Condition	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.
3	The eye wash is damaged	Contact the manufacturer or supplier to discuss repair methods or replace them directly.

