

# Emergency Shower and Eyewash

Model Numbers: 8400-NF, 8401-NF, 8402-NF, 8403-NF, 8404-LHNF, 8404-RHNF, 8405-NF, 8407-NF, 8408-NF, 8409-NF, 8410-NF, 8411-NF, 8416-NF, 8420-NF, 8421-NF

## Description

Chicago Faucets Emergency Shower and Eyewash fittings provide fast, reliable flushing for eyes or the entire body in laboratories, manufacturing facilities, or wherever personnel are at risk of exposure to hazardous chemicals. Please read these instructions carefully before installing or operating the equipment.

## Emergency Equipment Location

Placement of Emergency Shower and Eyewash equipment should follow these recommendations:

- Install the equipment so that it is highly visible and easily accessible from at least three directions.
- Install the equipment as near as possible to areas where an accident is most likely to occur, e.g., near where hazardous materials are stored or used. In an emergency, it should take no more than 10 seconds to reach the equipment.
- Place the equipment on the same level as the source of danger, without any obstruction in the pathway such as doors or stairways.

## Assembly

Assemble the Emergency Shower and Eyewash equipment by following the assembly drawing provided with the fitting. In order to complete proper assembly, you will need the following:

- Pipe Sealant
- Drill
- Phillips Screwdriver
- Mounting Bolts, Anchors, and Tools for securing the equipment to the floor or wall

Emergency Showers that are not anchored to the ground should be mounted so that the spray head is between 82 and 96 in. (210 and 230 cm) above the floor level where the user will stand.

Emergency Eyewashes that are not anchored to the ground should be mounted so that the flushing fluid flow pattern is not less than 33 in. (90 cm) and not greater than 53 in. (110 cm) above the floor level where the user will stand.

## Water Supply

The water supply to the Emergency Shower and Eyewash equipment should meet the following conditions:

- Water must be supplied directly from the main or dedicated emergency piping that supplies potable water or water of similar quality.
- The diameter of the supply piping should be at least 1" NPS.
- An inlet pressure of 30 PSI (2 bar) is recommended. For proper operation, the minimum pressure is 22 PSI (1.5 bar), and the maximum pressure is 116 PSI (8 bar).
- Water temperature should be between 60°F and 100°F (15°C and 37°C).
- Flush and drain the supply line before installing the Emergency Shower and Eyewash. An inline water filter is recommended.

## Operation

In an emergency, the injured person should shower or flush eyes IMMEDIATELY and continuously for a minimum of 15 minutes. Activate the equipment as follows:

- Emergency Eyewash is activated by pushing the lever backwards or pressing on the foot pedal (see Figure 1).
- Emergency Shower is activated by pulling down on the triangular lever (see Figure 2).
- Emergency Eyewash with Manual Hose is activated by squeezing the lever (see Figure 3).

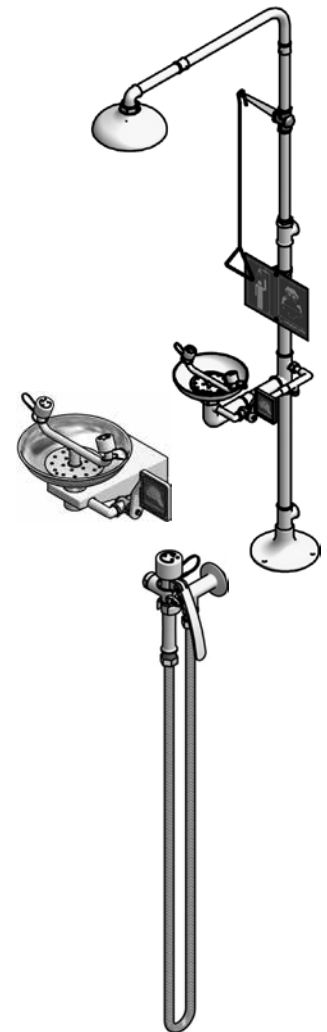
**Figure 1:**



**Figure 2:**



**Figure 3:**



## Maintenance

Proper operation of the Emergency Shower and Eyewash equipment should be verified at least once a week to guarantee the water supply and prevent the proliferation of bacteria in the system.

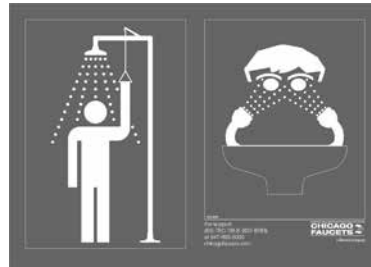
A record of maintenance should be maintained. A maintenance card is supplied with the fitting and can be attached to the fitting for easy reference.

All personnel in the facility where the Emergency Shower and Eyewash equipment is installed should be trained about:

- The location of the equipment, including signage (see below)
- Proper operation of the equipment
- Procedures for contacting emergency personnel
- Performing regular maintenance on the equipment

## Signs

Every Emergency Shower and Eyewash fitting, except tabletop models, is provided with a sign that indicates the function of the equipment. The signs have a dark green background and photoluminescent white illustration to make it easy for personnel to find the equipment in an emergency. Mount the sign to the equipment according to the assembly diagram using the clips and screws provided.



**ATTENTION INSTALLER:** After installation, please leave this Instruction Sheet for occupant's information.

**IMPORTANT:** Inquire with governing authorities for local installation requirements.

### Care and Maintenance

All Chicago Faucets fittings are designed and engineered to meet or exceed industry performance standards. Care should be taken when cleaning this product. Do not use abrasive cleaners, chemicals or solvents as they can result in surface damage. Use mild soap with warm water for cleaning and protecting the surface of Chicago Faucets fittings.

*For additional technical assistance, call 800/TEC-TRUE (800-832-8783)  
or visit our website at [chicagofaucets.com](http://chicagofaucets.com).*

## CHICAGO FAUCETS LIMITED WARRANTY

**TO WHOM DOES THIS WARRANTY APPLY?** — The Company extends the following limited warranty to the original user only.

**WHAT DOES THIS WARRANTY COVER AND HOW LONG DOES IT LAST?** This warranty covers the following Commercial Products: SH-PB Shower Fittings.

**LIFETIME FAUCET WARRANTY** — The "Faucet," defined as any metal cast, forged, stamped or formed portion of the Product, not including electronic or moving parts or other products separately covered by this Limited Warranty or water restricting components or other components, is warranted against material manufacturing defects for the life of the Product.

**FIVE YEAR FAUCET WARRANTY** — Certain Products and portions of the Product are warranted against material manufacturing defects for a period of five (5) years from the date of Product purchase. Products warranted against material manufacturing defects for a period of five (5) years from the date of Product purchase are referred to by the product numbers 42X, 43X, 15XX and E-Tronic™ - 4X, 5X, 6X, 7X, 8X and 9X. All zinc die cast portions of Product are warranted against material manufacturing defects for a period of five (5) years from the date of Product purchase.

**THREE YEAR ELECTRONICS WARRANTY** — Electronic components, including the solenoid, are warranted for three (3) years from the date of installation.

**FIVE YEAR CARTRIDGE WARRANTY** — The "Cartridge", defined as the metal portion of any Product typically referred to by the product numbers containing 1-099, 1-100, 1-310, 377X, 217X and 274X, excluding any rubber or plastic components, is warranted against material manufacturing defects for a period of five (5) years from the date of Product purchase. All Cartridges included in the Company's Single Control or Shower Products also are warranted against material manufacturing defects for a period of five (5) years from the date of Product purchase.

**ONE YEAR FINISH WARRANTY – COMMERCIAL** — For Products used in commercial applications, the finish of the Product is warranted against material manufacturing defects for a period of one (1) year from the date of Product purchase.

**OTHER WARRANTIES** — All other Products not covered above are warranted against material manufacturing defects for a period of one (1) year from the date of Product purchase.

Other restrictions and limitations apply. For complete warranty details, call Chicago Faucets Customer Service at 847-803-5000 or visit [chicagofaucets.com](http://chicagofaucets.com).