WaterSaver

INNOVATIVE PRODUCTS FOR RESEARCH

Laboratory Safety Equipment

As the new millennium continues, WaterSaver Faucet Co. celebrates sixty-five years of service to the laboratory industry. From humble origins, we have grown to become the largest worldwide manufacturer of faucets, valves, safety equipment and related products for laboratory use. Quality, innovation and service have been our hallmarks.

All WaterSaver products are manufactured in Chicago, Illinois USA in two state-of-the-art manufacturing plants. Both WaterSaver facilities are Gold certified by the U.S. Green Building Council under the "Leadership in Energy and Environmental Design" (LEED) program for environmental sustainability and energy efficiency.

This laboratory safety equipment catalog (LSE015) presents an overview of our emergency eyewash and shower equipment product line. The models shown here are representative of the over 500 products in this product range. For further information, please refer to a WaterSaver engineering catalog (EC-010), visit our website (wsflab.com), or consult with our offices in Chicago, Mexico, England, Dubai, Singapore and China.

All WaterSaver emergency eyewash and shower units are designed and manufactured to meet or exceed industry standards, including American National Standards Institute ANSI/ISEA Z358.1-2014.

We owe our success to the contributions of dedicated employees and the loyalty of our customers. For over half a century, we have devoted ourselves to fulfilling the confidence placed in us by those who buy and use our products. We are dedicated to continuing that tradition for generations to come.

Steven A. Kersten
President

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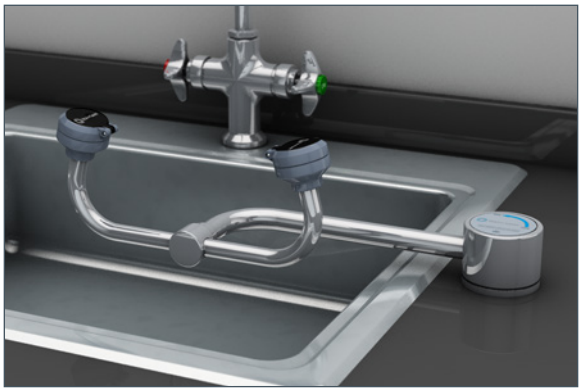
Finishes

WaterSaver laboratory safety equipment is furnished with a polished chrome plated finish as standard. In addition, WaterSaver offers a range of additional optional finishes to meet the requirements of every laboratory environment. The choice of finish depends upon requirements for chemical resistance and the particular "look and feel" desired for the laboratory installation.

Three optional plated finishes with clear epoxy coating are shown below. Equipment can also be furnished with a colored epoxy power coated finish. Please refer to the WaterSaver website (wsflab.com) for complete information.

Polished Chrome Finish with Clear Epoxy Coating (PCL)

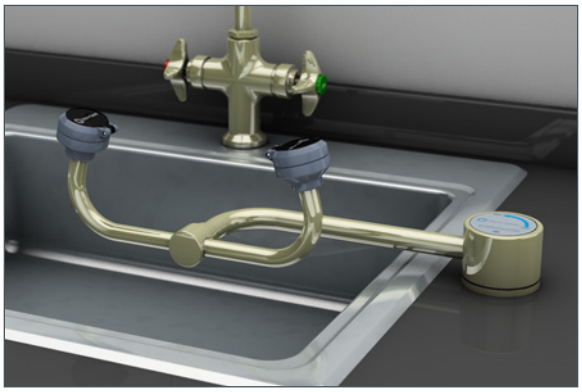
In many lab environments, a polished chrome plated finish will not withstand corrosion when exposed to acids, solvents and other materials used in the lab. For these applications, WaterSaver offers a chemical resistant clear epoxy coating that is applied over the chrome plating. Individual components are polished and buffed to a smooth surface, then electroplated with one layer of nickel and one layer of chrome. Following plating, components are coated with a clear epoxy coating. The clear coating provides the fittings with enhanced chemical resistance and ensures durability.



Satin Chrome Finish with Clear Epoxy Coating (SCC)

Polished chrome finishes tend to show fingerprints, watermarks, dust and dirt. In a typical laboratory, few people will take the time to clean the fittings to preserve their appearance. As a result, the service fixtures and safety equipment can become unsightly very quickly.

WaterSaver offers two satin (brushed) finishes with clear epoxy coating that address this concern. Satin chrome products with clear epoxy coating have a silver/blue hue that is similar to the appearance of stainless steel. Offering superior chemical resistance due to the epoxy coating, these products will not show fingerprints, watermarks or smudges. The products will enhance the appearance of the lab environment.



Satin Nickel Finish with Clear Epoxy Coating (SNC)

Laboratory service fixtures and safety equipment with a satin nickel finish with clear epoxy coating address the concerns noted above regarding fingerprints, watermarks, etc. The satin nickel finish has a slight yellow hue that is almost indistinguishable from stainless steel.

Note: *Products with a polished chrome plated finish are available at published prices and at standard lead times. Products with optional finishes must be factory ordered and thus may have longer lead times. In addition, these products may command an upcharge in price, so pricing should be confirmed at time of order.*

OSHA regulations, safe work practices and common sense demand that, where workers are handling potentially dangerous chemicals or other materials, the workplace be equipped with equipment for rinsing the eyes, face or body in case an accident occurs. While this seems like a simple matter, selecting, installing, using, and maintaining emergency equipment can be complicated. A variety of considerations – ranging from design issues such as tepid water and drainage to differences in equipment performance – make the process complex.

This catalog contains engineering and technical data on WaterSaver laboratory safety products. In addition, this catalog is intended to serve as a reference manual for the proper selection, installation, use and maintenance of emergency eyewash and shower equipment. Hopefully, the information contained in this catalog will assist our customers in constructing a comprehensive emergency equipment program.

Emergency Equipment as the "Third Line of Defense"

While emergency equipment is a necessary part of a safe work environment, it must be emphasized that it is only the "third line of defense" for workers in such environments. The first line of defense must always be setting up the work area and designing the work flow and processes to minimize the possibility of an accident occurring. Many factors go into making a workplace safe. However, practices such as storing hazardous materials in proper containers, marking the containers clearly and accurately, and keeping the workplace clean and well organized can have a significant impact on minimizing the likelihood of an accident occurring.

The "second line of defense" for workers is assuring that, when workers do have to handle dangerous materials, personal protective equipment is provided and used. Proper protective clothing, gloves and eye protection (such as goggles and face shields) can change a potentially life-threatening spill into a harmless event.

However, even where work processes have been designed to minimize the possibility of an accident, and even where proper protective equipment is in use, it is still possible that an accident can occur. For this reason, it is necessary that effective, functioning emergency eyewash and shower equipment be provided.

OSHA Requirements

Constructing an emergency equipment program begins with a review of the OSHA requirements for such equipment. OSHA has developed a series of regulations that require the use of emergency eyewash and shower equipment as a form of first aid treatment. The broadest requirement for eyewash and shower usage is found in 29 CFR 1910.151, which states that "where the eyes or body of any person may be exposed to injurious corrosive materials, suitable facilities for quick drenching or flushing of the eyes and body shall be provided within the work area for immediate emergency use."

This regulation requires that, anywhere there is a risk of a worker being injured by contact with harmful materials, the employer must provide a means for immediate rinsing away of such materials. The equipment for rinsing the contaminants must be suitable for that use, located within the work area, and able to be utilized immediately in the event of an emergency. The regulation does not, however, specify what constitutes "suitable facilities" for drenching or flushing the eyes and body. The employer is free to select the equipment which is best suited for the type of workplace and the type of risk involved.

In addition to this general requirement, OSHA has also adopted regulations that are applicable to particular workplaces and work activities. The following are areas that are specifically addressed by OSHA:

- Powered Industrial Trucks (29 CFR 1910.178 (g) (2))
- Pulp, Paper and Paperboard Mills (29 CFR 1910.261 (g) (18))
- Telecommunications (29 CFR 1910.268 (b) (2))
- Activities Utilizing an Open Surface Tank (29 CFR 1910.94 (d) (9) (vii))
- Storage and Handling of Anhydrous Ammonia (29 CFR 1910.111 (a) (9) (iii, iv))

ANSI Standard Z358.1

The OSHA regulations listed in 29 CFR determine where and when emergency eyewash and shower equipment must be installed. These regulations do not, however, specify design characteristics or minimum performance levels for this equipment. The American National Standards Institute has adopted ANSI Standard Z358.1 "Emergency Eyewash and Shower Equipment" to address these issues. This standard serves as a guide for the proper design, performance and installation of emergency equipment to comply with OSHA regulations. The standard was most recently updated in 2014.

WaterSaver offers an ANSI Z358.1-2014 "Compliance Checklist". This checklist summarizes and graphically presents the provisions of ANSI Z358.1-2014 with respect to each type of emergency equipment. The checklist can be used to assist in the proper selection, installation and maintenance of emergency equipment. It can also be used in performing an audit of existing emergency equipment.

Design Issues

There are several important design issues that must always be addressed when selecting and installing emergency equipment. These include the following:

Location

In general, the ANSI standard provides that emergency equipment be installed within 10 seconds walking time from the location of the hazard. 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 straight as possible. Users of the equipment should not have to walk around machinery or other obstacles to reach the unit.

However, there are certain circumstances where these guidelines might not be adequate. For example, where workers are handling particularly strong acids, caustics or other materials where the consequences of a spill would be very serious, emergency equipment should be installed immediately adjacent to the hazard.

Laboratory environments also require special consideration. It is common in many laboratory buildings to install emergency equipment in a corridor or hallway outside of the lab room. This may satisfy the provisions of the standard but still not provide workers with immediate access to emergency equipment. In these cases, consideration should be given to installing dual purpose eyewash/drench hose units at lab sinks. These units are highly accessible and versatile. They provide immediate protection for the eyes, face or body when a spill involves a relatively small amount of hazardous material. Please refer to the "Eyewash/Drench Hose" section of this catalog for further information.

Water Supply

Proper operation of emergency equipment requires the availability of a large and continuous supply of potable water. The water supply must, at a minimum, be capable of delivering the volumes of water required by the ANSI standard. Piping should be at least as large as the inlet size of the unit to be installed. The water supply line must also be capable of delivering an uninterruptible flow of water of at least 30 PSI flow pressure.

Water Temperature

The ANSI standard provides that the water delivered by emergency equipment be "tepid" (that is, moderately warm or lukewarm). Tepid water is generally defined as between 60° (15° C) and 90° F (32°C) . However, where it is possible that a chemical reaction might be accelerated by warm water, a medical professional should be consulted to determine what the optimum water temperature would be.

The delivery of tepid water to emergency equipment may raise complicated engineering issues. In geographical areas subject to cold weather, the water supplied by public water systems can be quite cold, at times just above freezing. Providing tepid water requires heating the cold water or blending it with hot water to achieve a desirable temperature. Conversely, in warm areas of the country, water standing in pipelines can be heated to a very hot temperature. Providing tempered water would then involve chilling the water or adding cold water to the water supply line.

Water Temperature (cont'd)

There are several ways to design a water supply system to address the tepid water requirement. First, it is possible to provide both hot and cold water supply lines to each location at which emergency equipment is installed. This is typically done in facilities (such as laboratory buildings and schools) where hot and cold water systems are installed throughout the building. At each emergency unit, a tempering valve would be installed to blend the hot and cold water to a preset temperature. The tempering valve must be specially designed for use with emergency equipment, since these valves have dual built-in safety features. In the event that there is an interruption in the hot water supply, the valve will still deliver a full flow of cold water to the equipment. If there is an interruption in the cold water supply, the valve will shut off the water entirely to eliminate the possibility of scalding. Please refer to the "Tempering Valves" section of this catalog for information on WaterSaver tempering valves.

The second way to address the tepid water issue is to install a recirculating tepid water system. This system can supply multiple emergency equipment stations. The system continually recirculates warm water to each location. If one or more units are activated, the system will automatically blend hot and cold water and add it to the water line to supply the units. These systems must be sized and engineered for the particular facility in which they are to be installed. It is therefore common to consult with the emergency equipment manufacturer during the design process. Please contact our regional sales representatives or the factory for information on recirculating tempered water systems.

Water Disposal

The ANSI standard does not include any provisions regarding the disposal of waste water. However, consideration must be given to where waste water will go. In particular, care must be taken that waste water not create a hazard, by creating a pool in which someone might slip.

Most eyewash, eye/face wash and safety station units are designed with waste outlets for connection to drain piping. WaterSaver recommends that units be connected to drain piping. For emergency showers and for other units without waste connections, floor drains should be provided. Floor drains are important for two reasons. First, emergency showers deliver a very high volume of water. This volume can cause significant water damage to the facility if drains are not provided. This concern is heightened where there is a possibility that units might be inadvertently operated. Second, the absence of drainage may be a deterrent to routine testing of emergency equipment. The testing process is more difficult if waste water must be manually collected and removed.

After an emergency eyewash or shower has been used, the waste water may contain hazardous materials that cannot or should not be introduced into a sanitary sewer system. It may be necessary to connect the drain piping from the emergency equipment or floor drain to the building's acid waste disposal system or to a neutralizing tank.

Handicapped Accessibility

The Americans with Disabilities Act (ADA) mandates that workplaces be accessible to and usable by physically handicapped persons. Making workplaces accessible to handicapped persons has had an impact on how facilities are designed and the equipment installed in facilities. With respect to emergency equipment, ADA regulations impose requirements for maximum heights and reach, the types of actuators that are permitted, etc. WaterSaver offers specialized "barrier-free" products that will assist in complying with governmental regulations (28 CFR Part 36) and compliance standards (ANSI 117.1-1-1992). Each barrier-free product is identified as such in this catalog.

Identification

ANSI Z358.1 provides that emergency units should be identified with highly visible signs. Without appropriate signage, emergency equipment can blend into the background of the surrounding area and be difficult to locate in an emergency. The signs used with emergency equipment should comply with the provisions of ANSI Z535.1 through ANSI Z535.5, utilizing a white background with green lettering. Graphics and lettering should be of the correct size and format. WaterSaver supplies an ANSI-compliant sign with every emergency eyewash and shower unit.

In addition to identification with appropriate signage, the emergency equipment itself should be designed to provide maximum visibility. WaterSaver safety stations are furnished with safety orange polyethylene covers for the piping. In addition to protecting the piping against corrosion, the orange covers assure that the equipment will be visible and readily identified in an industrial plant.

Finally, the ANSI standard recommends that the area around emergency equipment be well lighted. WaterSaver alarm units (see below) can be equipped with area lights to provide the necessary lighting.

Alarm Systems

Alarm systems are advisable for emergency equipment, particularly in remote locations or areas where only one employee might be working. Alarm systems serve two important functions. First, they serve to alert facility personnel that an accident has occurred and that a unit is in operation. This can help to insure that assistance is rendered as quickly as possible. Second, alarm systems can be a deterrent to unintended or malicious operation of a safety unit.

Alarm systems incorporate a flow switch installed in the water supply line to an emergency unit with a visual indicator light and audible alarm. When the unit is activated, the flow switch detects the movement of water in the line and sends a signal that activates the light and horn. In addition, the alarm can relay the same signal to a monitoring station or building management system. Please refer to the “Accessories - Alarms” section of this catalog for complete information.

Post-Installation Considerations

Simply installing emergency equipment is not a sufficient means of insuring worker safety. Employees must be trained in the location of emergency equipment and in its proper use. In particular, workers must be trained that, in event of an emergency, the affected area should be rinsed for at least fifteen minutes to assure that contaminants are rinsed away thoroughly and completely.

Most importantly, employers must develop a response plan to be used in the event that an accident does occur. The focus of the response plan should be to provide assistance to the injured worker as quickly as possible.

Finally, all emergency equipment must be activated at least weekly to assure proper operation. A testing log should be maintained to document the weekly check. At least annually, emergency equipment must be inspected to assure continued compliance with the ANSI standard.

SSBF2150

Recessed Safety Station with Drain Pan,
Exposed Shower Head

Note: *Shown with optional* AP280-235 *electric light and alarm horn unit (sold separately).*

Additional Model

SSBF2152 Same as above except with "daylight drain" for waste water on front of unit.

Application: Recessed eye/face wash and shower safety station with ceiling mounted exposed shower head.

ADA Compliance: When installed at recommended mounting heights, unit complies with ADA requirements for accessibility by handicapped persons.

Mounting: 16 gauge stainless steel cabinet with flanged rim for recessed mounting in wall. Unit fits in 3-5/8" (92mm) deep wall.

Shower Head: 10" (254mm) diameter stainless steel. Furnished with vertical supply pipe and ceiling escutcheon.

Shower Valve: 1" IPS brass stay-open ball valve with stainless steel "panic bar" actuator.

Cover/Drain Pan: 16 gauge stainless steel combination cover and drain pan. Grasping "panic bar" handle and opening cover pulls spray head assembly down from vertical to horizontal position, activating water flow. While unit is in operation, waste water is collected in drain pan and returned into cabinet for drainage. Unit remains in operation until cover is returned to closed position.

Eye/Face Wash Spray Head Assembly: Two FS-Plus™ spray heads mounted on supply arms. Each spray head has individually adjustable flow control and filter to remove impurities from water.

Eye/Face Wash Valve: 1/2" IPS brass plug-type valve with O-ring seals. Furnished with in-line strainer to protect valve and spray heads from debris in water line.

Pipe and Fittings: Exposed pipe and escutcheon are stainless steel.

Supply: 1" NPT female inlet.

Waste: 2" NPT female outlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

U.S. Patent 5,768,721

Optional Features:

- 20 GPM flow control for shower head (add suffix "FC20").

Accessories:

- Modesty curtain to provide privacy for user to disrobe while using emergency shower (order AP250-065).
- Electric light and alarm horn assembly to notify personnel that unit is in use (order AP280-235).
- AP3800 thermostatic mixing valve blends hot and cold water to deliver tepid water as provided by ANSI Z358.1-2014 (add suffix "TMV"). Refer to "Tempering Valves" section for complete technical information.

Listed 8116. Units have been tested to and comply with ANSI Z358.1-2014 and the Uniform Plumbing Code.

SSBF2160

Recessed Safety Station with Drain Pan,
Recess Mounted Shower Head

Note: *Shown with optional* AP280-235 *electric light and alarm horn unit (sold separately).*

Additional Model

SSBF2162 Same as above except with "daylight drain" for waste water on front of unit.

Application: Recessed eye/face wash and shower safety station with ceiling mounted recessed shower head.

ADA Compliance: When installed at recommended mounting heights, unit complies with ADA requirements for accessibility by handicapped persons.

Mounting: 16 gauge stainless steel cabinet with flanged rim for recessed mounting in wall. Unit fits in 3-5/8" (92mm) deep wall.

Shower Head: 10" (254mm) diameter stainless steel with flanged rim for recessed mounting in ceiling.

Shower Valve: 1" IPS brass stay-open ball valve with stainless steel "panic bar" actuator.

Cover/Drain Pan: 16 gauge stainless steel combination cover and drain pan. Grasping "panic bar" handle and opening cover pulls spray head assembly down from vertical to horizontal position, activating water flow. While unit is in operation, waste water is collected in drain pan and returned into cabinet for drainage. Unit remains in operation until cover is returned to closed position.

Eye/Face Wash Spray Head Assembly: Two FS-Plus™ spray heads mounted on supply arms. Each spray head has individually adjustable flow control and filter to remove impurities from water.

Eye/Face Wash Valve: 1/2" IPS brass plug-type valve with O-ring seals. Furnished with in-line strainer to protect valve and spray heads from debris in water line.

Supply: 1" NPT female inlet.

Waste: 2" NPT female outlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

Note: ANSI Z358.1-2014 *provides that shower heads be installed no more than 96" above the finished floor. This unit should therefore not be installed in ceilings or soffits over 8 feet. For higher ceiling heights, we recommend the* SSBF2150 *or* SSBF2170 *units.*

U.S. Patent 5,768,721

Optional Features:

- ○ 20 GPM flow control for shower head (add suffix "FC20").

Accessories:

- ○ Modesty curtain to provide privacy for user to disrobe while using emergency shower (order AP250-065).
- ○ Electric light and alarm horn assembly to notify personnel that unit is in use (order AP280-235).
- ○ AP3800 thermostatic mixing valve blends hot and cold water to deliver tepid water as provided by ANSI Z358.1-2014 (add suffix "TMV"). Refer to "Tempering Valves" section for complete technical information.

SSBF2170

Recessed Safety Station with Drain Pan, Wall Mounted Shower Head

Note: *Shown with optional* AP280-235 *electric light and alarm horn unit (sold separately).*

Additional Model

SSBF2172 Same as above except with "daylight drain" for waste water on front of unit.

Application: Recessed eye/face wash and shower safety station with wall mounted exposed shower head.

ADA Compliance: When installed at recommended mounting heights, unit complies with ADA requirements for accessibility by handicapped persons.

Mounting: 16 gauge stainless steel cabinet with flanged rim for recessed mounting in wall. Unit fits in 3-5/8" (92mm) deep wall.

Shower Head: 10" (254mm) diameter stainless steel. Furnished with horizontal supply pipe and wall escutcheon.

Shower Valve: 1" IPS brass stay-open ball valve with stainless steel "panic bar" actuator.

Cover/Drain Pan: 16 gauge stainless steel combination cover and drain pan. Grasping "panic bar" handle and opening cover pulls spray head assembly down from vertical to horizontal position, activating water flow. While unit is in operation, waste water is collected in drain pan and returned into cabinet for drainage. Unit remains in operation until cover is returned to closed position.

Eye/Face Wash Spray Head Assembly: Two FS-Plus™ spray heads mounted on supply arms. Each spray head has individually adjustable flow control and filter to remove impurities from water.

Eye/Face Wash Valve: 1/2" IPS brass plug-type valve with O-ring seals. Furnished with in-line strainer to protect valve and spray heads from debris in water line.

Pipe and Fittings: Exposed pipe and escutcheon are stainless steel.

Supply: 1" NPT female inlet.

Waste: 2" NPT female outlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

U.S. Patent 5,768,721

Optional Features:

- ○ 20 GPM flow control for shower head (add suffix "FC20").

Accessories:

- ○ Modesty curtain to provide privacy for user to disrobe while using emergency shower (order AP250-065).
- ○ Electric light and alarm horn assembly to notify personnel that unit is in use (order AP280-235).
- ○ AP3800 thermostatic mixing valve blends hot and cold water to deliver tepid water as provided by ANSI Z358.1-2014 (add suffix "TMV"). Refer to "Tempering Valves" section for complete technical information.

Listed 8116. Units have been tested to and comply with ANSI Z358.1-2014 and the Uniform Plumbing Code.

ESBF670

Recessed Emergency Shower, Exposed Shower Head

Application: Recessed emergency shower with ceiling mounted exposed shower head.

ADA Compliance: When installed at recommended mounting heights, unit complies with ADA requirements for accessibility by handicapped persons.

Shower Head: 10" (254mm) diameter stainless steel. Furnished with vertical supply pipe and ceiling escutcheon.

Valve: 1" IPS brass stay-open ball valve with stainless steel "panic bar." Pulling bar down activates shower; shower remains in operation until bar is returned to original closed position. Furnished with stainless steel access panel and 1" IPS unions for valve.

Pipe and Fittings: Exposed pipe and escutcheon are stainless steel.

Supply: 1" NPT female inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

U.S. Patent 5,768,721

See SSBF672 for description of available options and accessories.

ESBF671

Recessed Emergency Shower, Recess Mounted Shower Head

Application: Recessed emergency shower with ceiling mounted recessed shower head.

ADA Compliance: When installed at recommended mounting heights, unit complies with ADA requirements for accessibility by handicapped persons.

Shower Head: 10" (254mm) diameter stainless steel with flanged rim for recessed mounting in ceiling.

Valve: 1" IPS brass stay-open ball valve with stainless steel "panic bar." Pulling bar down activates shower; shower remains in operation until bar is returned to original closed position. Furnished with stainless steel access panel and 1" IPS unions for valve.

Supply: 1" NPT female inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

Note: ANSI Z358.1-2014 *provides that shower heads be installed no more than 96" above the finished floor. This unit should therefore not be installed in ceilings or soffits over 8 feet. For higher ceiling heights, we recommend the* ESBF670 *or* ESBF672 *units.*

U.S. Patent 5,768,721

See SSBF672 for description of available options and accessories.

ESBF672

Recessed Emergency Shower, Wall Mounted Shower Head

Application: Recessed emergency shower with wall mounted exposed shower head.

ADA Compliance: When installed at recommended mounting heights, unit complies with ADA requirements for accessibility by handicapped persons.

Shower Head: 10" (254mm) diameter stainless steel. Furnished with horizontal supply pipe and wall escutcheon.

Valve: 1" IPS brass stay-open ball valve with stainless steel "panic bar." Pulling bar down activates shower; shower remains in operation until bar is returned to original closed position. Furnished with stainless steel access panel and 1" IPS unions for valve.

Pipe and Fittings: Exposed pipe and escutcheon are stainless steel.

Supply: 1" NPT female inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

U.S. Patent 5,768,721

Optional Features:

- 20 GPM flow control for shower head (add suffix "FC20").

Accessories:

- Modesty curtain to provide privacy for user to disrobe while using emergency shower (order AP250-065).
- Electric light and alarm horn assembly to notify personnel that unit is in use (order AP280-235).
- AP3800 thermostatic mixing valve blends hot and cold water to deliver tepid water as provided by ANSI Z358.1-2014 (add suffix "TMV"). Refer to "Tempering Valves" section for complete technical information.

Listed 8116. Units have been tested to and comply with ANSI Z358.1-2014 and the Uniform Plumbing Code.

FEBF735DP

Recessed Eye/Face Wash with Drain Pan

Application: Recessed swing-down eye/face wash with drain pan.

ADA Compliance: When installed at recommended mounting heights, unit complies with ADA requirements for accessibility by handicapped persons.

Mounting: 16 gauge stainless steel cabinet with flanged rim for recessed mounting in wall. Unit fits in 3-5/8" (92mm) deep wall.

Cover/Drain Pan: 16 gauge stainless steel combination cover and drain pan. Grasping "panic bar" handle and opening cover pulls spray head assembly down from vertical to horizontal position, activating water flow. While unit is in operation, waste water is collected in drain pan and returned into cabinet for drainage. Unit remains in operation until cover is returned to closed position.

Spray Head Assembly: Two FS-Plus™ spray heads mounted on supply arms. Each spray head has individually adjustable flow control and filter to remove impurities from water.

Valve: 1/2" IPS brass plug-type valve with O-ring seals. Furnished with in-line strainer to protect valve and spray heads from debris in water line.

Supply: 1/2" NPT female inlet.

Waste: 2" NPT female outlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

Additional Model:

- **FEBF735FDP** Same as above except with "daylight drain" for waste water on front of unit.

Accessories:

- Electric light and alarm horn assembly to notify personnel that unit is in use (order AP285-235).
- AP3600 thermostatic mixing valve blends hot and cold water to deliver tepid water as provided by ANSI Z358.1-2014 (add suffix "TMV"). Refer to "Tempering Valves" section for complete technical information.

ES629

Emergency Shower, Recess Mounted

Application: Emergency shower for recessed mounting in a finished ceiling or soffit.

Shower Head: 10" (254mm) diameter stainless steel with flanged rim for flush mounting in ceiling.

Valve: 1" IPS brass stay-open ball valve. Valve is US-made with chrome plated brass ball and PTFE seals. Furnished with stainless steel actuating arm, 43" stainless steel pull rod and stainless steel ceiling guide plate.

Pipe and Fittings: 1" IPS galvanized steel.

Supply: 1" NPT female inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is third-party certified to comply with ANSI Z358.1-2014.

Note: *ANSI Z358.1-2014 provides that shower heads be installed no more than 96" above the finished floor. This unit should therefore not be installed in ceilings over 8 feet. For higher ceilings, we recommend the ES658 shower (see below).*

ES658

Emergency Shower, Semi-Recessed Ceiling Mounted

Application: Emergency shower for semi-recessed mounting in a finished ceiling. Unit is designed for installation in ceilings 8 - 10 feet above the finished floor.

Shower Head: 10" (254mm) diameter stainless steel. Furnished with stainless steel vertical supply pipe and ceiling escutcheon.

Valve: 1" IPS brass stay-open ball valve. Valve is US-made with chrome plated brass ball and PTFE seals. Furnished with stainless steel actuating arm, 63-1/2" stainless steel pull rod and stainless steel ceiling guide plate.

Pipe and Fittings: Exposed pipe and escutcheon are 1" IPS stainless steel. Other pipe and fittings are 1" IPS galvanized steel.

Supply: 1" NPT female inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is third-party certified to comply with ANSI Z358.1-2014.

Optional Features:

- ○ 20 GPM flow control for shower head (add suffix "FC20").

Accessories:

- ○ Electric light and alarm horn assembly to notify personnel that unit is in use (order AP280-235).
- ○ AP3800 thermostatic mixing valve blends hot and cold water to deliver tepid water as provided by ANSI Z358.1-2014 (add suffix "TMV"). Refer to "Tempering Valves" section for complete technical information.

Listed 8116. Units have been tested to and comply with ANSI Z358.1-2014 and the Uniform Plumbing Code.

ES635

Emergency Shower, Vertically Mounted

Application: Emergency shower for vertical mounting.

Shower Head: 10" (254mm) diameter safety orange ABS plastic.

Valve: 1" IPS chrome plated brass stay-open ball valve. Valve is US-made with chrome plated brass ball and PTFE seals. Furnished with stainless steel actuating arm and 29" stainless steel pull rod.

Supply: 1" NPT female inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is third-party certified to comply with ANSI Z358.1-2014.

ES692

Emergency Shower, Vertically Mounted, All-Stainless Steel

Application: All-stainless steel emergency shower for vertical mounting.

Shower Head: 10" (254mm) diameter stainless steel.

Valve: 1" IPS stainless steel stay-open ball valve. Valve has stainless steel ball and PTFE seals. Furnished with stainless steel actuating arm and 29" stainless steel pull rod.

Supply: 1" NPT female inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is third-party certified to comply with ANSI Z358.1-2014.

Optional Features:

- Safety green ABS plastic shower head (add suffix "GRN")
- Safety yellow ABS plastic shower head (add suffix "YEL")
- Stainless steel shower head (add suffix "SSH")
- 20 GPM flow control for shower head (add suffix "FC20")

Accessories:

- Electric light and alarm horn assembly to notify personnel that unit is in use (order AP280-205).
- AP3800 thermostatic mixing valve blends hot and cold water to deliver tepid water as provided by ANSI Z358.1-2014 (add suffix "TMV"). Refer to "Tempering Valves" section for complete technical information.

Listed 8116. Units have been tested to and comply with ANSI Z358.1-2014 and the Uniform Plumbing Code.

ES643

Emergency Shower, Horizontally Mounted

Application: Emergency shower for horizontal mounting.

Shower Head: 10" (254mm) diameter safety orange ABS plastic.

Valve: 1" IPS chrome plated brass stay-open ball valve. Valve is US-made with chrome plated brass ball and PTFE seals. Furnished with stainless steel actuating arm and 29" stainless steel pull rod.

Pipe and Fittings: 1" IPS galvanized steel nipple with orange ABS plastic elbow.

Supply: 1" NPT female inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is third-party certified to comply with ANSI Z358.1-2014.

ES691

Emergency Shower, Horizontally Mounted, All-Stainless Steel

Application: All-stainless steel emergency shower for horizontal mounting.

Shower Head: 10" (254mm) diameter stainless steel.

Valve: 1" IPS stainless steel stay-open ball valve. Valve has stainless steel ball and PTFE seals. Furnished with stainless steel actuating arm and 29" stainless steel pull rod.

Pipe and Fittings: 1" IPS stainless steel nipple and elbow.

Supply: 1" NPT female inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is third-party certified to comply with ANSI Z358.1-2014.

Optional Features:

- Safety green ABS plastic shower head (add suffix "GRN")
- Safety yellow ABS plastic shower head (add suffix "YEL")
- Stainless steel shower head (add suffix "SSH")
- 20 GPM flow control for shower head (add suffix "FC20")

Accessories:

- Electric light and alarm horn assembly to notify personnel that unit is in use (order AP280-205).
- AP3800 thermostatic mixing valve blends hot and cold water to deliver tepid water as provided by ANSI Z358.1-2014 (add suffix "TMV"). Refer to "Tempering Valves" section for complete technical information.

Listed 8116. Units have been tested to and comply with ANSI Z358.1-2014 and the Uniform Plumbing Code.

ESBF643

Barrier-Free Emergency Shower, Horizontally Mounted

Application: Barrier-free emergency shower for horizontal mounting.

ADA Compliance: When installed at recommended mounting height, unit complies with ADA requirements for accessibility by handicapped persons (maximum height and reach and distance from obstructions).

Mounting: Unit should be installed so that shower head is at least 82" above floor and 32" from wall or nearest obstruction.

Shower Head: 10" (254mm) diameter safety orange ABS plastic.

Valve: 1" IPS chrome plated brass stay-open ball valve. Valve is US-made with chrome plated brass ball and PTFE seals. Furnished with stainless steel actuating arm and 59-1/2" stainless steel pull rod.

Pipe and Fittings: 1" IPS galvanized steel nipple with orange ABS plastic elbow.

Supply: 1" NPT female inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is third-party certified to comply with ANSI Z358.1-2014.

ESBF658

Barrier-Free Emergency Shower,
Semi-Recessed, Ceiling Mounted

Application: Barrier-free emergency shower for semi-recessed mounting in a finished ceiling.

ADA Compliance: When installed at recommended mounting heights, unit complies with ADA requirements for accessibility by handicapped persons (maximum height and reach and distance from obstructions).

Mounting: Unit is designed for installation in ceilings 8-10 feet above finished floor. Unit should be installed so that shower head is at least 82" above floor and 32" from wall or nearest obstruction.

Shower Head: 10" (254mm) diameter stainless steel. Furnished with stainless steel vertical supply pipe and ceiling escutcheon.

Valve: 1" IPS brass stay-open ball valve. Valve is US-made with chrome plated brass ball and PTFE seals. Furnished with stainless steel actuating arm, 63-1/2" stainless steel pull rod and stainless steel ceiling guide plate.

Pipe and Fittings: Exposed pipe and escutcheon are 1" IPS stainless steel. Other pipe and fittings are 1" IPS galvanized steel.

Supply: 1" NPT female inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is third-party certified to comply with ANSI Z358.1-2014.

Optional Features:

- Safety green ABS plastic shower head (add suffix "GRN")
- Safety yellow ABS plastic shower head (add suffix "YEL")
- Stainless steel shower head (add suffix "SSH")
- 20 GPM flow control for shower head (add suffix "FC20")

Accessories:

- Electric light and alarm horn assembly to notify personnel that unit is in use (for ESBF643, order AP280-205; for ESBF658, order AP280-235).
- AP3800 thermostatic mixing valve blends hot and cold water to deliver tepid water as provided by ANSI Z358.1-2014 (add suffix "TMV"). Refer to "Tempering Valves" section for complete technical information.

FE724

Eye/Face Wash, Wall Mounted

Application: WideArea™ eye/face wash for wall mounting. Four GS-Plus™ spray heads deliver a flood of water over a wide area of coverage for complete rinsing of eyes and face.

Mounting: Cast aluminum wall bracket with epoxy powder coated finish.

Spray Head Assembly: Four GS-Plus™ spray heads. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow.

Valve: 1/2" IPS chrome plated brass stay-open ball valve. Valve is US-made with chrome plated brass ball and PTFE seals.

Bowl: 11-1/2" (292mm) diameter stainless steel.

Supply: 1/2" NPT female inlet.

Waste: 1-1/4" NPT female outlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is fully assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

FE727

Eye/Face Wash, Recessed Deck Mounted

Application: WideArea™ eye/face wash for recessed mounting in countertop. Four GS-Plus™ spray heads deliver a flood of water over a wide area of coverage for complete rinsing of eyes and face.

Spray Head Assembly: Four GS-Plus™ spray heads. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow.

Valve: 1/2" IPS brass stay-open ball valve. Valve is mounted on aluminum angle bracket below counter and activated by push-down knob.

Bowl: 13" (330mm) diameter stainless steel with flanged rim for mounting in countertop. Furnished with all hardware necessary for installation in counter.

Supply: 1/2" NPT male inlet.

Waste: 1-1/4" NPT female outlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

Optional Features:

- ○ Stainless steel dust cover for each spray head (add suffix "DC")
- ○ Green ABS plastic bowl (add suffix "GRN")
- ○ Yellow ABS plastic bowl (add suffix "YEL")
- ○ Chrome plated brass tailpiece and trap with 1-1/2" IPS waste connection (add suffix "T")
- ○ 1-1/2" OD chrome plated brass tailpiece (add suffix "TP")

Accessories:

- ○ AP3600 thermostatic mixing valve blends hot and cold water to deliver tepid water as provided by ANSI Z358.1-2014 (add suffix "TMV"). Refer to "Tempering Valves" section for complete technical information.

Listed 8116. Units have been tested to and comply with ANSI Z358.1-2014 and the Uniform Plumbing Code.

FEBF721

Eye/Face Wash, Wall Mounted, Barrier-Free

Application: Barrier-free WideArea™ eye/face wash for wall mounting.

ADA Compliance: Bowl is lowered and extended to permit access by wheelchair user. Profile of unit is "flattened" to comply with maximum height and knee clearance requirements. When installed at recommended mounting height, unit complies with ADA requirements for accessibility by handicapped persons.

Mounting: Wall-mounted bowl unit has welded stainless steel wraparound skirt to conceal valve, drain and piping.

Spray Head Assembly: Four GS-Plus™ spray heads. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow.

Valve: 1/2" IPS brass stay-open ball valve. Valve is US-made with chrome plated brass ball and PTFE seals.

Bowl: 11-1/2" (292mm) diameter stainless steel bowl.

Supply: 1/2" NPT female inlet.

Waste: 1-1/2" OD chrome plated brass tailpiece.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is fully assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

FEBF724

Eye/Face Wash, Wall Mounted, Barrier-Free

Application: Barrier-free WideArea™ eye/face wash for wall mounting.

ADA Compliance: Bowl is lowered and extended to permit access by wheelchair user. Profile of unit is "flattened" to comply with maximum height and knee clearance requirements. When installed at recommended mounting height, unit complies with ADA requirements for accessibility by handicapped persons.

Mounting: Welded stainless steel bracket for wall mounting.

Spray Head Assembly: Four GS-Plus™ spray heads. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow.

Valve: 1/2" IPS chrome plated brass stay-open ball valve. Valve is US-made with chrome plated brass ball and PTFE seals.

Bowl: 11-1/2" (292mm) diameter stainless steel.

Supply: 1/2" NPT female inlet.

Waste: 1-1/2" OD chrome plated brass tailpiece.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is fully assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

Optional Features:

- ○ Stainless steel dust cover for each spray head (add suffix "DC")
- ○ Chrome plated brass tailpiece and trap with 1-1/2" IPS waste connection (add suffix "T")

Accessories:

- ○ AP3600 thermostatic mixing valve blends hot and cold water to deliver tepid water as provided by ANSI Z358.1-2014 (add suffix "TMV"). Refer to "Tempering Valves" section for complete technical information.

FE774

Eye/Face Wash, Deck Mounted, 90 Degree AutoFlow™

FE774LH FE774

Application: AutoFlow™ eye/face wash for mounting on counter next to sink. Water flow is activated by swinging the spray head assembly out over sink.

Construction: Polished chrome plated brass.

Mounting: Unit is mounted on right (FE774) or left (FE774LH) side of sink.

Spray Head Assembly: Two FS-Plus™ spray heads. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow.

Valve: 1/2" IPS brass plug-type valve with O-ring seals. Swinging spray head assembly from storage to operational position opens orifice and activates water flow. Unit remains in operation until spray head assembly is swung back into the storage position.

Strainer: Unit is furnished with in-line strainer to protect valve and spray heads from debris in water line.

Supply: 1/2" NPT female inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is fully assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

FE795

Eye/Face Wash, Deck Mounted, 90 Degree AutoFlow™, All-Stainless Steel

FE795LH FE795

Application: All-stainless steel AutoFlow™ eye/face wash for mounting on counter next to sink. Water flow is activated by swinging the spray head assembly out over sink.

Construction: Type 316 stainless steel.

Mounting: Unit is mounted on right (FE795) or left (FE795LH) side of sink.

Spray Head Assembly: Two FS-Plus™ spray heads. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow.

Valve: 1/2" IPS stainless steel plug-type valve with O-ring seals. Swinging spray head assembly from storage to operational position opens orifice and activates water flow. Unit remains in operation until spray head assembly is swung back into the storage position.

Strainer: Unit is furnished with in-line strainer to protect valve and spray heads from debris in water line.

Supply: 1/2" NPT female inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is fully assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

Optional Features:

- ○ Stainless steel dust cover for each spray head (add suffix "DC")

Finish Options (FE774 only):

- ○ Polished chrome plated finish with clear epoxy coating (PCL)
- ○ Satin chrome plated finish with clear epoxy coating (SCC)
- ○ Satin nickel plated finish with clear epoxy coating (SNC)

Accessories:

- ○ AP3600 thermostatic mixing valve blends hot and cold water to deliver tepid water as provided by ANSI Z358.1-2014 (add suffix "TMV"). Refer to "Tempering Valves" section for complete technical information.

Listed 8116. Units have been tested to and comply with ANSI Z358.1-2014 and the Uniform Plumbing Code.

FE775

Eye/Face Wash, Deck Mounted, 90 Degree Swivel

FE775LH FE775

Application: Swivel eye/face wash for mounting on counter next to sink. Water flow is activated by flag handle.

Construction: Polished chrome plated brass.

Mounting: Unit is mounted on right (FE775) or left (FE775LH) side of sink.

Spray Head Assembly: Two FS-Plus™ spray heads. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow. Spray heads swivel 90 degrees from storage to operational position.

Valve: 1/2" IPS chrome plated brass stay-open ball valve. Valve is US-made with chrome plated brass ball and PTFE seals.

Supply: 1/2" NPT male inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is fully assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

FE793

Eye/Face Wash, Deck Mounted, 90 Degree Swivel, All-Stainless Steel

FE793LH FE793

Application: All-stainless steel swivel eye/face wash for mounting on counter next to sink. Water flow is activated by flag handle.

Construction: Type 316 stainless steel.

Mounting: Unit is mounted on right (FE793) or left (FE793LH) side of sink.

Spray Head Assembly: Two FS-Plus™ spray heads. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow. Spray heads swivel 90 degrees from storage to operational position.

Valve: 1/2" IPS stainless steel stay-open ball valve with stainless steel flag handle. Valve has stainless steel ball and PTFE seals.

Supply: 1/2" NPT male inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is fully assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

Optional Features:

- ○ Stainless steel dust cover for each spray head (add suffix "DC")

Finish Options (FE775 only):

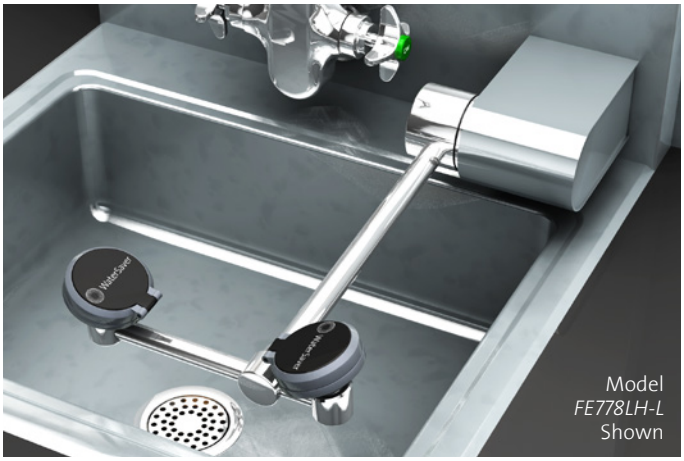
- ○ Polished chrome plated finish with clear epoxy coating (PCL)
- ○ Satin chrome plated finish with clear epoxy coating (SCC)
- ○ Satin nickel plated finish with clear epoxy coating (SNC)

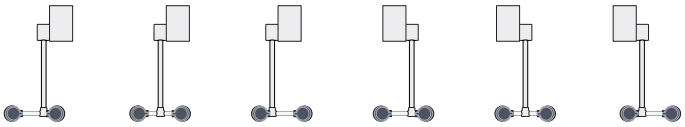
Accessories:

- ○ AP3600 thermostatic mixing valve blends hot and cold water to deliver tepid water as provided by ANSI Z358.1-2014 (add suffix "TMV"). Refer to "Tempering Valves" section for complete technical information.

FE778

Eye/Face Wash, Wall Mounted, 90 Degree AutoFlow™





FE778LH-L FE778LH FE778LH-R FE778L FE778 FE778R

Application: AutoFlow™ eye/face wash for mounting on wall behind sink. Water flow is activated by swinging the spray head assembly down over sink.

Construction: Polished chrome plated brass.

Mounting: Unit is mounted on wall behind sink. Furnished with stainless steel housing for valve and inlet piping. *Note: If unit is not installed at a sink, a floor drain should be provided underneath unit to prevent accumulation of water on floor.*

Spray Head Assembly: Two FS-Plus™ spray heads. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow.

Valve: 1/2" IPS brass plug-type valve with O-ring seals. Swinging spray head assembly down from storage to operational position opens orifice and activates water flow. Unit remains in operation until spray head assembly is swung back up into the storage position.

Strainer: Unit is furnished with in-line strainer to protect valve and spray heads from debris in water line.

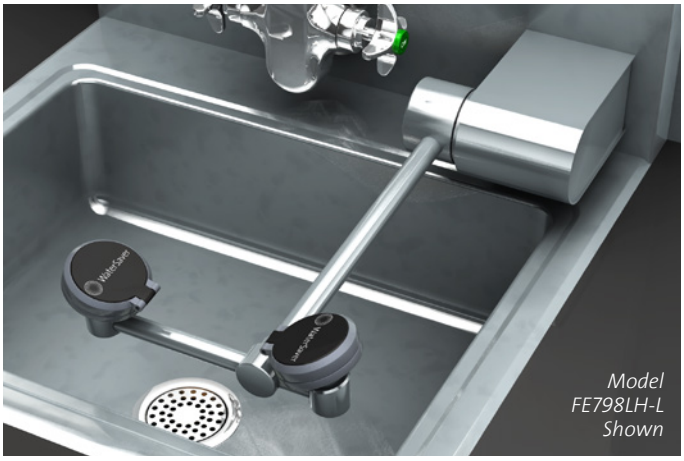
Supply: 1/2" NPT female union inlet.

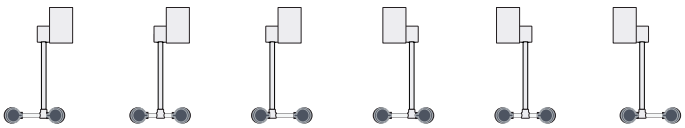
Sign: Furnished with universal identification sign.

Quality Assurance: Unit is fully assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

FE798

Eye/Face Wash, Wall Mounted, 90 Degree AutoFlow™, All-Stainless Steel





FE798LH-L FE798LH FE798LH-R FE798L FE798 FE798R

Application: Stainless steel AutoFlow™ eye/face wash for mounting on wall behind sink. Water flow is activated by swinging the spray head assembly down over sink.

Construction: Type 316 stainless steel.

Mounting: Unit is mounted on wall behind sink. Furnished with stainless steel housing for valve and inlet piping. *Note: If unit is not installed at a sink, floor drain should be provided underneath unit to prevent accumulation of water on floor.*

Spray Head Assembly: Two FS-Plus™ spray heads. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow.

Valve: 1/2" IPS stainless steel plug-type valve with O-ring seals. Swinging spray head assembly down from storage to operational position opens orifice and activates water flow. Unit remains in operation until spray head assembly is swung back up into the storage position.

Strainer: Unit is furnished with in-line strainer to protect valve and spray heads from debris in water line.

Supply: 1/2" NPT female union inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is fully assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

Optional Features:

- ○ Stainless steel dust cover for each spray head (add suffix "DC")

Finish Options (FE778 only):

- ○ Polished chrome plated finish with clear epoxy coating (PCL)
- ○ Satin chrome plated finish with clear epoxy coating (SCC)
- ○ Satin nickel plated finish with clear epoxy coating (SNC)

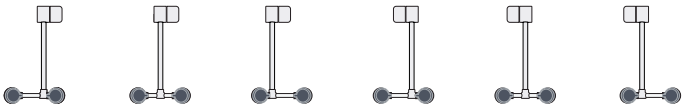
Accessories:

- ○ AP3600 thermostatic mixing valve blends hot and cold water to deliver tepid water as provided by ANSI Z358.1-2014 (add suffix "TMV"). Refer to "Tempering Valves" section for complete technical information.

Listed 8116. Units have been tested to and comply with ANSI Z358.1-2014 and the Uniform Plumbing Code.

FE779

Eye/Face Wash, Deck Mounted, 90 Degree AutoFlow™



FE779LH-L FE779LH FE779LH-R FE779L FE779 FE779R

Application: AutoFlow™ eye/face wash for mounting on counter behind sink. Water flow is activated by swinging the spray head assembly down over sink.

Construction: Polished chrome plated brass.

Mounting: Unit is mounted on counter behind sink. *Note: If unit is not installed at a sink, a floor drain should be provided underneath unit to prevent accumulation of water on floor.*

Spray Head Assembly: Two FS-Plus™ spray heads. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow.

Valve: 1/2" IPS brass plug-type valve with O-ring seals. Swinging spray head assembly down from storage to operational position opens orifice and activates water flow. Unit remains in operation until spray head assembly is swung back up into the storage position.

Strainer: Unit is furnished with in-line strainer to protect valve and spray heads from debris in water line.

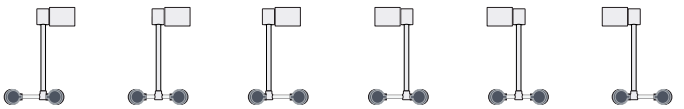
Supply: 1/2" NPT male inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is fully assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

FE799

Eye/Face Wash, Deck Mounted, 90 Degree AutoFlow™, All-Stainless Steel



FE799LH-L FE799LH FE799LH-R FE799L FE799 FE799R

Application: All-stainless steel AutoFlow™ eye/face wash for mounting on counter behind sink. Water flow is activated by swinging the spray head assembly down over sink.

Construction: Type 316 stainless steel.

Mounting: Unit is mounted on counter behind sink. Furnished with stainless steel housing for valve and inlet piping. *Note: If unit is not installed at a sink, a floor drain should be provided underneath unit to prevent accumulation of water on floor.*

Spray Head Assembly: Two FS-Plus™ spray heads. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow.

Valve: 1/2" IPS stainless steel plug-type valve with O-ring seals. Swinging spray head assembly down from storage to operational position opens orifice and activates water flow. Unit remains in operation until spray head assembly is swung back up into the storage position.

Strainer: Unit is furnished with in-line strainer to protect valve and spray heads from debris in water line.

Supply: 1/2" NPT male inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is fully assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

Optional Features:

- ○ Stainless steel dust cover for each spray head (add suffix "DC")

Finish Options (FE779 only):

- ○ Polished chrome plated finish with clear epoxy coating (PCL)
- ○ Satin chrome plated finish with clear epoxy coating (SCC)
- ○ Satin nickel plated finish with clear epoxy coating (SNC)

Accessories:

- ○ AP3600 thermostatic mixing valve blends hot and cold water to deliver tepid water as provided by ANSI Z358.1-2014 (add suffix "TMV"). Refer to "Tempering Valves" section for complete technical information.

EW808

Eyewash, Recessed Deck Mounted, Exposed Valve

Application: Eyewash for recessed mounting in countertop. Valve is mounted on top of counter.

Spray Head Assembly: Two GS-Plus™ spray heads. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow.

Valve: 1/2" IPS chrome plated brass stay-open ball valve. Valve is US-made with chrome plated brass ball and PTFE seals. Valve is mounted on counter and activated by flag handle.

Bowl: 13" (330mm) diameter stainless steel with flanged rim for mounting in countertop. Furnished with all hardware necessary for installation in counter.

Supply: 1/2" NPT male inlet.

Waste: 1-1/4" NPT female outlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

EW810

Eyewash, Recessed Deck Mounted, Concealed Valve

Application: Eyewash for recessed mounting in countertop. Valve is mounted below counter.

Spray Head Assembly: Two GS-Plus™ spray heads. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow.

Valve: 1/2" IPS brass stay-open ball valve. Valve is mounted on aluminum angle bracket below counter and activated by push-down knob.

Bowl: 13" (330mm) diameter stainless steel with flanged rim for mounting in countertop. Furnished with all hardware necessary for installation in counter.

Supply: 1/2" NPT male inlet.

Waste: 1-1/4" NPT female outlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is fully assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

Optional Features:

- ○ Stainless steel dust cover for each spray head (add suffix "DC")
- ○ Chrome plated brass tailpiece and trap with 1-1/2" IPS waste connection (add suffix "T")
- ○ 1-1/2" OD chrome plated brass tailpiece (add suffix "TP")

Accessories:

- ○ AP3600 thermostatic mixing valve blends hot and cold water to deliver tepid water as provided by ANSI Z358.1-2014 (add suffix "TMV"). Refer to "Tempering Valves" section for complete technical information.

Listed 8116. Units have been tested to and comply with ANSI Z358.1-2014 and the Uniform Plumbing Code.

EW814

Eyewash, Wall Mounted

Application: Eyewash for wall mounting.

Mounting: Cast aluminum wall bracket with epoxy powder coated finish.

Spray Head Assembly: Two GS-Plus™ spray heads. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow.

Valve: 1/2" IPS chrome plated brass stay-open ball valve. Valve is US-made with chrome plated brass ball and PTFE seals.

Bowl: 11-1/2" (292mm) diameter stainless steel.

Supply: 1/2" NPT female inlet.

Waste: 1-1/4" NPT female outlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is fully assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

EW814BC

Eyewash, Wall Mounted, Bowl Cover

Application: Eyewash for wall mounting. Unit has stainless steel cover to protect bowl and spray heads from dust, dirt and other contaminants.

Mounting: Cast aluminum wall bracket with epoxy powder coated finish.

Spray Head Assembly: Two GS-Plus™ spray heads. Each head has an internal flow control and filter to remove impurities from the water flow.

Valve: 1/2" IPS chrome plated brass stay-open ball valve. Valve is US-made with chrome plated brass ball and PTFE seals.

Bowl: 11-1/2" (292mm) diameter stainless steel with bowl cover. Cover is raised automatically when flag handle is activated. Cover closes when handle is returned to closed position.

Supply: 1/2" NPT female inlet.

Waste: 1-1/4" NPT female outlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is fully assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

Optional Features:

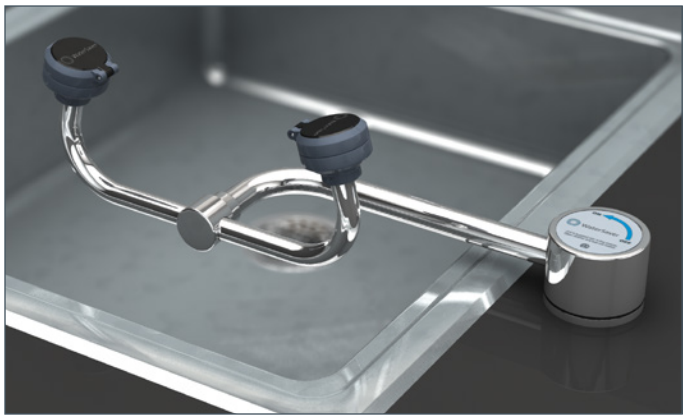
- ○ Stainless steel dust cover for each spray head (add suffix "DC")
- ○ Chrome plated brass tailpiece and trap with 1-1/2" IPS waste connection (add suffix "T")
- ○ 1-1/2" OD chrome plated brass tailpiece (add suffix "TP")

Accessories:

- ○ AP3600 thermostatic mixing valve blends hot and cold water to deliver tepid water as provided by ANSI Z358.1-2014 (add suffix "TMV"). Refer to "Tempering Valves" section for complete technical information.

EW805

Eyewash, Deck Mounted, 90 Degree AutoFlow™



EW805LH EW805

Application: AutoFlow™ eyewash for mounting on counter next to sink. Water flow is activated by swinging the spray head assembly out over sink.

Construction: Polished chrome plated brass.

Mounting: Unit is mounted on right (EW805) or left (EW805LH) side of sink.

Spray Head Assembly: Two GS-Plus™ spray heads. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow.

Valve: 1/2" IPS brass plug-type valve with O-ring seals. Swinging spray head assembly from storage to operational position opens orifice and activates water flow. Unit remains in operation until spray head assembly is swung back into the storage position.

Strainer: Unit is furnished with in-line strainer to protect valve and spray heads from debris in water line.

Supply: 1/2" NPT female inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is fully assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

EW895

Eyewash, Deck Mounted, 90 Degree AutoFlow™, All-Stainless Steel

EW895LH EW895

Application: All-stainless steel AutoFlow™ eyewash for mounting on counter next to sink. Water flow is activated by swinging the spray head assembly out over sink.

Construction: Type 316 stainless steel.

Mounting: Unit is mounted on right (EW895) or left (EW895LH) side of sink.

Spray Head Assembly: Two GS-Plus™ spray heads. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow.

Valve: 1/2" IPS stainless steel plug-type valve with O-ring seals. Swinging spray head assembly from storage to operational position opens orifice and activates water flow. Unit remains in operation until spray head assembly is swung back into the storage position.

Strainer: Unit is furnished with in-line strainer to protect valve and spray heads from debris in water line.

Supply: 1/2" NPT female inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is fully assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

Optional Features:

- ○ Stainless steel dust cover for each spray head (add suffix "DC")

Finish Options (EW805 only):

- ○ Polished chrome plated finish with clear epoxy coating (PCL)
- ○ Satin chrome plated finish with clear epoxy coating (SCC)
- ○ Satin nickel plated finish with clear epoxy coating (SNC)

Accessories:

- ○ AP3600 thermostatic mixing valve blends hot and cold water to deliver tepid water as provided by ANSI Z358.1-2014 (add suffix "TMV"). Refer to "Tempering Valves" section for complete technical information.

Listed 8116. Units have been tested to and comply with ANSI Z358.1-2014 and the Uniform Plumbing Code.

EW806

Eyewash, Deck Mounted, 90 Degree Swivel

EW806LH EW806

Application: Swivel eyewash for mounting on counter next to sink. Water flow is activated by flag handle.

Construction: Polished chrome plated brass.

Mounting: Unit is mounted on right (EW806) or left (EW806LH) side of sink.

Spray Head Assembly: Two GS-Plus™ spray heads. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow. Spray heads swivel 90 degrees from storage to operational position.

Valve: 1/2" IPS chrome plated brass stay-open ball valve. Valve is US-made with chrome plated brass ball and PTFE seals.

Supply: 1/2" NPT male inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is fully assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

EW893

Eyewash, Deck Mounted, 90 Degree Swivel, All-Stainless Steel

EW893LH EW893

Application: All-stainless steel swivel eyewash for mounting on counter next to sink. Water flow is activated by flag handle.

Construction: Type 316 stainless steel.

Mounting: Unit is mounted on right (EW893) or left (EW893LH) side of sink.

Spray Head Assembly: Two GS-Plus™ spray heads. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow. Spray heads swivel 90 degrees from storage to operational position.

Valve: 1/2" IPS stainless steel stay-open ball valve. Valve has stainless steel ball and PTFE seals.

Supply: 1/2" NPT male inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is fully assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

Optional Features:

- ○ Stainless steel dust cover for each spray head (add suffix "DC")

Finish Options (EW806 only):

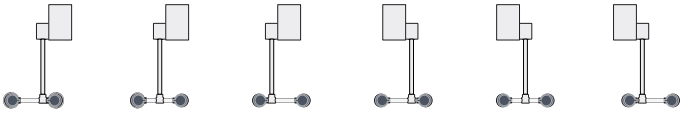
- ○ Polished chrome plated finish with clear epoxy coating (PCL)
- ○ Satin chrome plated finish with clear epoxy coating (SCC)
- ○ Satin nickel plated finish with clear epoxy coating (SNC)

Accessories:

- ○ AP3600 thermostatic mixing valve blends hot and cold water to deliver tepid water as provided by ANSI Z358.1-2014 (add suffix "TMV"). Refer to "Tempering Valves" section for complete technical information.

EW848

Eyewash, Wall Mounted, 90 Degree AutoFlow™



EW848LH-L EW848LH EW848LH-R EW848L EW848 EW848R

Application: AutoFlow™ eyewash for mounting on wall behind sink. Water flow is activated by swinging the spray head assembly down over sink.

Construction: Polished chrome plated brass.

Mounting: Unit is mounted on wall behind sink. Furnished with stainless steel housing for valve and inlet piping. Note: If unit is not installed at a sink, a floor drain should be provided underneath unit to prevent accumulation of water on floor.

Spray Head Assembly: Two GS-Plus™ spray heads. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow.

Valve: 1/2" IPS brass plug-type valve with O-ring seals. Swinging spray head assembly down from storage to operational position opens orifice and activates water flow. Unit remains in operation until spray head assembly is swung back up into the storage position.

Strainer: Unit is furnished with in-line strainer to protect valve and spray heads from debris in water line.

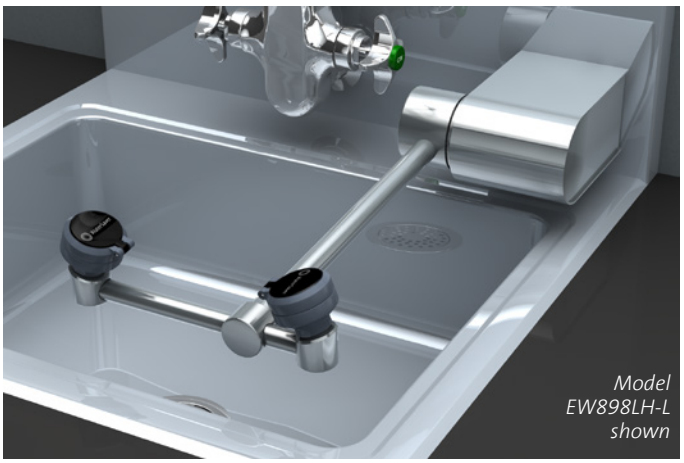
Supply: 1/2" NPT female union inlet.

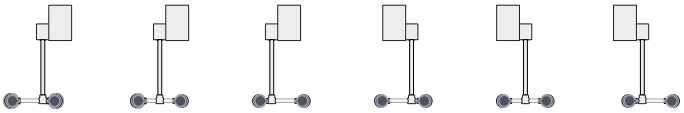
Sign: Furnished with universal identification sign.

Quality Assurance: Unit is fully assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

EW898

Eyewash, Wall Mounted, 90 Degree AutoFlow™, All-Stainless Steel





EW898LH-L EW898LH EW898LH-R EW898L EW898 EW898R

Application: All-stainless steel AutoFlow™ eyewash for mounting on wall behind sink. Water flow is activated by swinging the spray head assembly down over sink.

Construction: Type 316 stainless steel.

Mounting: Unit is mounted on wall behind sink. Furnished with stainless steel housing for valve and inlet piping. Note: If unit is not installed at a sink, a floor drain should be provided underneath unit to prevent accumulation of water on floor.

Spray Head Assembly: Two GS-Plus™ spray heads. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow.

Valve: 1/2" IPS stainless steel plug-type valve with O-ring seals. Swinging spray head assembly down from storage to operational position opens orifice and activates water flow. Unit remains in operation until spray head assembly is swung back up into the storage position.

Strainer: Unit is furnished with in-line strainer to protect valve and spray heads from debris in water line.

Supply: 1/2" NPT female union inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is fully assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

Optional Features:

- ○ Stainless steel dust cover for each spray head (add suffix "DC")

Finish Options (EW848 only):

- ○ Polished chrome plated finish with clear epoxy coating (PCL)
- ○ Satin chrome plated finish with clear epoxy coating (SCC)
- ○ Satin nickel plated finish with clear epoxy coating (SNC)

Accessories:

- ○ AP3600 thermostatic mixing valve blends hot and cold water to deliver tepid water as provided by ANSI Z358.1-2014 (add suffix "TMV"). Refer to "Tempering Valves" section for complete technical information.

Listed 8116. Units have been tested to and comply with ANSI Z358.1-2014 and the Uniform Plumbing Code.

EW849

Eyewash, Deck Mounted, 90 Degree AutoFlow™

EW849LH-L EW849LH EW849LH-R EW849L EW849 EW849R

Application: AutoFlow™ eyewash for mounting on counter behind sink. Water flow is activated by swinging the spray head assembly down over sink.

Construction: Polished chrome plated brass.

Mounting: Unit is mounted on counter behind sink. Note: If unit is not installed at a sink, a floor drain should be provided underneath unit to prevent accumulation of water on floor.

Spray Head Assembly: Two GS-Plus™ spray heads. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow.

Valve: 1/2" IPS brass plug-type valve with O-ring seals. Swinging spray head assembly down from storage to operational position opens orifice and activates water flow. Unit remains in operation until spray head assembly is swung back up into the storage position.

Strainer: Unit is furnished with in-line strainer to protect valve and spray heads from debris in water line.

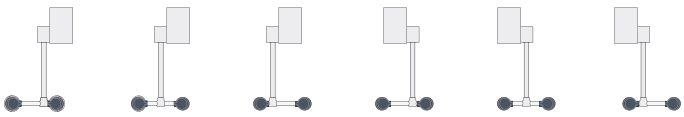
Supply: 1/2" NPT male inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is fully assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

EW899

Eyewash, Deck Mounted, 90 Degree AutoFlow™, All-Stainless Steel



EW899LH-L EW899LH EW899LH-R EW899L EW899 EW899R

Application: Stainless steel AutoFlow™ eyewash for mounting on counter behind sink. Water flow is activated by swinging the spray head assembly down over sink.

Construction: Type 316 stainless steel.

Mounting: Unit is mounted on counter behind sink. Furnished with stainless steel housing for valve and inlet piping. Note: If unit is not installed at a sink, a floor drain should be provided underneath unit to prevent accumulation of water on floor.

Spray Head Assembly: Two GS-Plus™ spray heads. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow.

Valve: 1/2" IPS stainless steel plug-type valve with O-ring seals. Swinging spray head assembly down from storage to operational position opens orifice and activates water flow. Unit remains in operation until spray head assembly is swung back up into the storage position.

Strainer: Unit is furnished with in-line strainer to protect valve and spray heads from debris in water line.

Supply: 1/2" NPT male inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is fully assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

Optional Features

- ○ Stainless steel dust cover for each spray head (DC)

Finish Options (EW849 only):

- ○ Polished chrome plated finish with clear epoxy coating (PCL)
- ○ Satin chrome plated finish with clear epoxy coating (SCC)
- ○ Satin nickel plated finish with clear epoxy coating (SNC)

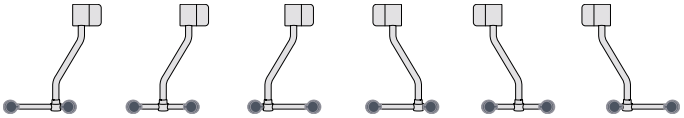
Accessories:

- ○ AP3600 thermostatic mixing valve (TMV). Valve precisely blends hot and cold water to deliver tepid water as provided by ANSI Z358.1-2014.

EWBF849

Eyewash, Deck Mounted, 90 Degree AutoFlow™, Barrier-Free

Model EWBF849LH-L shown



EWBF849LH-L EWBF849LH EWBF849LH-R EWBF849L EWBF849 EWBF849R

Application: Barrier-Free AutoFlow™ eyewash for mounting on counter behind sink. Water flow is activated by swinging the spray head assembly down over sink.

ADA Compliance: Unit is designed for use at handicapped accessible workstations with 34" maximum counter height and 27" knee clearance. Eyewash spray head assembly is extended and lowered to permit access by wheelchair user.

Construction: Polished chrome plated brass.

Mounting: Unit is mounted on counter behind sink. *Note: If unit is not installed at a sink, a floor drain should be provided underneath unit to prevent accumulation of water on floor.*

Spray Head Assembly: Two GS-Plus™ spray heads. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow.

Valve: 1/2" IPS brass plug-type valve with O-ring seals. Swinging spray head assembly down from storage to operational position opens orifice and activates water flow. Unit remains in operation until spray head assembly is swung back up into the storage position.

Strainer: Unit is furnished with in-line strainer to protect valve and spray heads from debris in water line.

Supply: 1/2" NPT male inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is fully assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

Optional Features:

- ○ Stainless steel dust cover for each spray head (add suffix "DC")

Finish Options:

- ○ Polished chrome plated finish with clear epoxy coating (PCL)
- ○ Satin chrome plated finish with clear epoxy coating (SCC)
- ○ Satin nickel plated finish with clear epoxy coating (SNC)

Accessories:

- ○ AP3600 thermostatic mixing valve blends hot and cold water to deliver tepid water as provided by ANSI Z358.1-2014 (add suffix "TMV"). Refer to "Tempering Valves" section for complete technical information.

Listed 8116. Units have been tested to and comply with ANSI Z358.1-2014 and the Uniform Plumbing Code.

EW1022

Eyewash/Drench Hose Unit,
Deck Mounted

Application: Dual purpose eyewash/drench hose unit meets the provisions of ANSI Z358.1-2014 as both an eyewash and a drench hose. Unit may be left in the deck flange for use as a fixed eyewash, leaving the user's hands free. Alternatively, unit may be removed for use as a drench hose to rinse any part of the user's eyes, face or body.

Mounting: Deck mounted. Flange has handle locator guide to position spray heads and handle facing forward at all times.

Spray Head Assembly: Two GS-Plus™ spray heads mounted side-by-side. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow.

Valve: Forged brass squeeze valve activated by stainless steel lever handle. Valve has replaceable stainless steel seat for exceptional durability. Locking clip engages when handle is depressed, providing "hands free" operation. Valve stays open until locking clip is released.

Hose: 8' reinforced PVC hose. 275 PSI maximum working pressure. *Note: Hose must be inspected at least monthly for indications of wear, abrasion, loss of flexibility or loosening of end connections.*

Supply: 3/8" NPT male swivel inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is fully assembled and water tested prior to shipment. Unit is third party certified to comply with ANSI Z358.1 - 2014

Additional Model

EW1022BP Same as above except with in-line dual check backflow preventer for installation on inlet of hose. Backflow preventer is certified to comply with ASSE 1024/CSA-B64. *Note: Check with code authority for compliance with local plumbing code.*

EW1026

Eyewash/Drench Hose Unit,
Wall Mounted

Application: Dual purpose eyewash/drench hose unit meets the provisions of ANSI Z358.1-2014 as both an eyewash and a drench hose. Unit may be left in the wall bracket for use as a fixed eyewash, leaving the user's hands free. Alternatively, unit may be removed for use as a drench hose to rinse any part of the user's eyes, face or body.

Mounting: Wall mounted. Bracket with spring clips holds unit on wall. Clips position spray heads and handle to face forward at all times.

Spray Head Assembly: Two GS-Plus™ spray heads mounted side-by-side. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow.

Valve: Forged brass squeeze valve activated by stainless steel lever handle. Valve has replaceable stainless steel seat for exceptional durability. Locking clip engages when handle is depressed, providing "hands free" operation. Valve stays open until locking clip is released.

Hose: 8' reinforced PVC hose. 275 PSI maximum working pressure. *Note: Hose must be inspected at least monthly for indications of wear, abrasion, loss of flexibility or loosening of end connections.*

Supply: 3/8" NPT male swivel inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is fully assembled and water tested prior to shipment. Unit is third party certified to comply with ANSI Z358.1 - 2014

Additional Model

EW1026BP Same as above except with in-line dual check backflow preventer for installation on inlet of hose. Backflow preventer is certified to comply with ASSE 1024/CSA-B64. *Note: Check with code authority for compliance with local plumbing code.*

Optional Features:

- Stainless steel dust cover for each spray head (add suffix "DC")
- Flexible stainless steel hose in place of PVC hose (add suffix "FSH")
- Undercounter hose guide bracket to prevent hose from tangling or binding (add suffix "HG")
- In-line vacuum breaker installed between valve and spray head assembly (add suffix "VB")

Finish Options:

- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

Accessories:

- AP3600 thermostatic mixing valve blends hot and cold water to deliver tepid water as provided by ANSI Z358.1-2014 (add suffix "TMV"). Refer to "Tempering Valves" section for complete technical information.

EW1041

Eyewash/Drench Hose Unit,
45 Degree Panel Mounted

Application: Dual purpose eyewash/drench hose unit meets the provisions of ANSI Z358.1-2014 as both an eyewash and a drench hose. Unit may be left in the angle holder for use as a fixed eyewash, leaving the user's hands free. Alternatively, unit may be removed for use as a drench hose to rinse any part of the user's eyes, face or body.

Mounting: 45 degree panel mounted. Angle flange has handle locator guide to position spray heads and handle facing forward at all times.

Spray Head Assembly: Two GS-Plus™ spray heads mounted side-by-side. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow.

Valve: Forged brass squeeze valve activated by stainless steel lever handle. Valve has replaceable stainless steel seat for exceptional durability. Locking clip engages when handle is depressed, providing "hands free" operation. Valve stays open until locking clip is released.

Hose: 8' reinforced PVC hose. 275 PSI maximum working pressure. *Note: Hose must be inspected at least monthly for indications of wear, abrasion, loss of flexibility or loosening of end connections.*

Supply: 3/8" NPT male swivel inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is fully assembled and water tested prior to shipment. Unit is third party certified to comply with ANSI Z358.1 - 2014.

Additional Model

EW1041BP Same as above except with in-line dual check backflow preventer for installation on inlet of hose. Backflow preventer is certified to comply with ASSE 1024/CSA-B64. *Note: Check with code authority for compliance with local plumbing code.*

EW1046

Eyewash/Drench Hose Unit,
Wall Mounted

Application: Dual purpose eyewash/drench hose unit meets the provisions of ANSI Z358.1-2014 as both an eyewash and a drench hose. Unit may be left in the wall bracket for use as a fixed eyewash, leaving the user's hands free. Alternatively, unit may be removed for use as a drench hose to rinse any part of the user's eyes, face or body.

Mounting: Wall mounted. Bracket with spring clips holds unit on wall. Clips position spray heads and handle to face forward at all times.

Spray Head Assembly: Two GS-Plus™ spray heads mounted side-by-side. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow.

Valve: Forged brass squeeze valve activated by stainless steel lever handle. Valve has replaceable stainless steel seat for exceptional durability. Locking clip engages when handle is depressed, providing "hands free" operation. Valve stays open until locking clip is released.

Hose: 12' reinforced nylon retractable coiled hose. 180 PSI maximum rated working pressure. *Note: Hose must be inspected at least monthly for indications of wear, abrasion, loss of flexibility or loosening of end connections.*

Supply: 3/8" NPT female inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is fully assembled and water tested prior to shipment. Unit is third party certified to comply with ANSI Z358.1 - 2014.

Additional Model

EW1046BP Same as above except with in-line dual check backflow preventer for installation on inlet of hose. Backflow preventer is certified to comply with ASSE 1024/CSA-B64. *Note: Check with code authority for compliance with local plumbing code.*

Optional Features:

- ○ Stainless steel dust cover for each spray head (add suffix "DC")
- ○ Flexible stainless steel hose in place of PVC hose (add suffix "FSH")
- ○ In-line vacuum breaker installed between valve and spray head assembly (add suffix "VB")

Finish Options:

- ○ Polished chrome plated finish with clear epoxy coating (PCL)
- ○ Satin chrome plated finish with clear epoxy coating (SCC)
- ○ Satin nickel plated finish with clear epoxy coating (SNC)

Accessories:

- ○ AP3600 thermostatic mixing valve blends hot and cold water to deliver tepid water as provided by ANSI Z358.1-2014 (add suffix "TMV"). Refer to "Tempering Valves" section for complete technical information.

Listed 8116. Units have been tested to and comply with ANSI Z358.1-2014 and the Uniform Plumbing Code.

EW1020

Drench Hose Unit, Deck Mounted

Application: Drench hose unit for deck mounting. *Note: Under ANSI Z358.1-2014, drench hose units supplement, but do not replace, other types of emergency equipment.*

Mounting: Deck flange has handle locator guide to position handle facing forward at all times.

Spray Head: Single FS-Plus™ spray head. Spray head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow.

Valve: Forged brass squeeze valve activated by stainless steel lever handle. Valve has replaceable stainless steel seat for exceptional durability.

Hose: 8' reinforced PVC hose. 275 PSI maximum working pressure. *Note: Hose must be inspected at least monthly for indications of wear, abrasion, loss of flexibility or loosening of end connections.*

Supply: 3/8" NPT male swivel inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is fully assembled and water tested prior to shipment. Unit is third party certified to comply with ANSI Z358.1 - 2014.

Additional Model

EW1020BP Same as above except with in-line dual check backflow preventer for installation on inlet of hose. Backflow preventer is certified to comply with ASSE 1024/CSA-B64. *Note: Check with code authority for compliance with local plumbing code.*

EW1025

Drench Hose Unit, Wall Mounted

Application: Drench hose unit for wall mounting. *Note: Under ANSI Z358.1-2014, drench hose units supplement, but do not replace, other types of emergency equipment.*

Mounting: Wall mounted hook holds unit on wall.

Spray Head: Single FS-Plus™ spray head. Spray head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow.

Valve: Forged brass squeeze valve activated by stainless steel lever handle. Valve has replaceable stainless steel seat for exceptional durability.

Hose: 8' reinforced PVC hose. 275 PSI maximum working pressure. *Note: Hose must be inspected at least monthly for indications of wear, abrasion, loss of flexibility or loosening of end connections.*

Supply: 3/8" NPT male swivel inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is fully assembled and water tested prior to shipment. Unit is third party certified to comply with ANSI Z358.1 - 2014.

Additional Model

EW1025BP Same as above except with in-line dual check backflow preventer for installation on inlet of hose. Backflow preventer is certified to comply with ASSE 1024/CSA-B64. *Note: Check with code authority for compliance with local plumbing code.*

Optional Features:

- ○ Stainless steel dust cover for spray head (add suffix "DC")
- ○ Flexible stainless steel hose in place of PVC hose (add suffix "FSH")
- ○ Undercounter hose guide bracket to prevent hose from tangling or binding (add suffix "HG")
- ○ In-line vacuum breaker installed between valve and spray head assembly (add suffix "VB")

Finish Options:

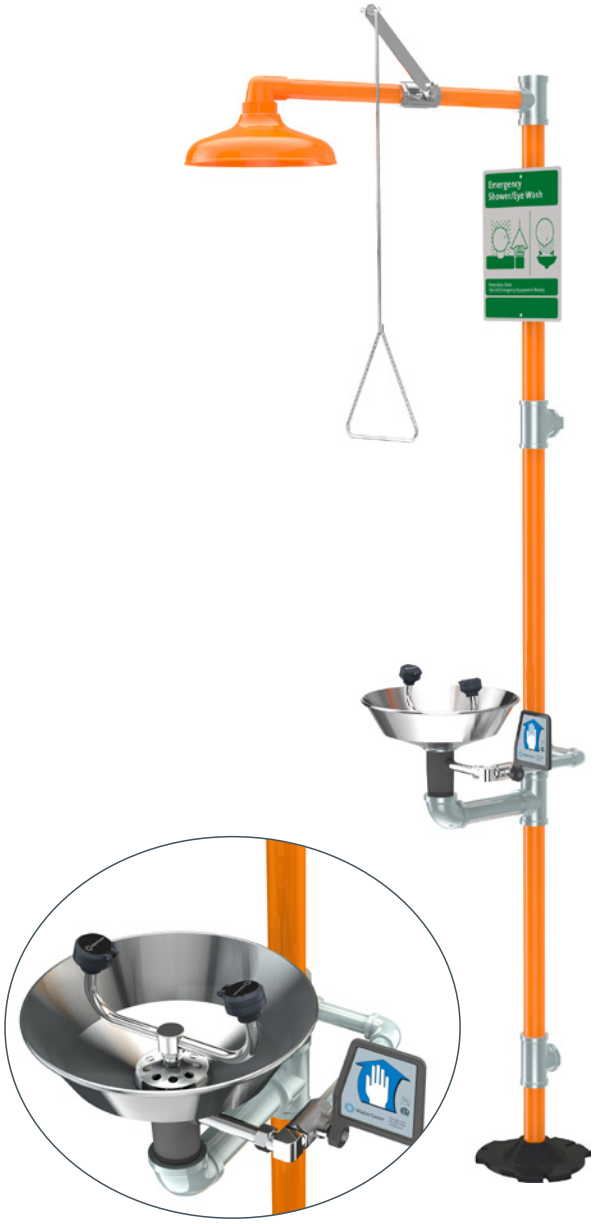
- ○ Polished chrome plated finish with clear epoxy coating (PCL)
- ○ Satin chrome plated finish with clear epoxy coating (SCC)
- ○ Satin nickel plated finish with clear epoxy coating (SNC)

Accessories:

- ○ AP3600 thermostatic mixing valve blends hot and cold water to deliver tepid water as provided by ANSI Z358.1-2014 (add suffix "TMV"). Refer to "Tempering Valves" section for complete technical information.

SS902

Safety Station with Eyewash



Application: Combination eyewash and shower safety station.

Shower Head: 10" (254mm) diameter safety orange ABS plastic.

Shower Valve: 1" IPS chrome plated brass stay-open ball valve. Valve is US-made with chrome plated brass ball and PTFE seals. Furnished with stainless steel actuating arm and 29" stainless steel pull rod.

Spray Head Assembly: Two GS-Plus™ spray heads. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow.

Eyewash Valve: 1/2" IPS chrome plated brass stay-open ball valve. Valve is US-made with chrome plated brass ball and PTFE seals.

Eyewash Bowl: 11-1/2" (292mm) diameter stainless steel.

Pipe and Fittings: Schedule 40 galvanized steel. Furnished with orange polyethylene covers for piping for high visibility and corrosion resistance.

Supply: 1-1/4" NPT female top or side inlet.

Waste: 1-1/4" NPT female outlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Eyewash assembly is factory assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

Additional Models

SS902PCC Same as above except with polished chrome plated brass pipe and fittings.

SS909 Combination eye/face wash and shower safety station. Furnished with four GS-Plus™ spray heads for complete rinsing of user's eyes and face.

SS909PCC Same as above except with polished chrome plated brass pipe and fittings.

Optional Features:

- Epoxy powder coating on galvanized pipe and fittings. Available colors include orange (ORG), yellow (YEL), green (GRN) and red (RED).
- Stainless steel shower head (add suffix "SSH")
- 20 GPM flow control for shower head (add suffix "FC20")
- Stainless steel dust cover for each spray head (add suffix "DC")

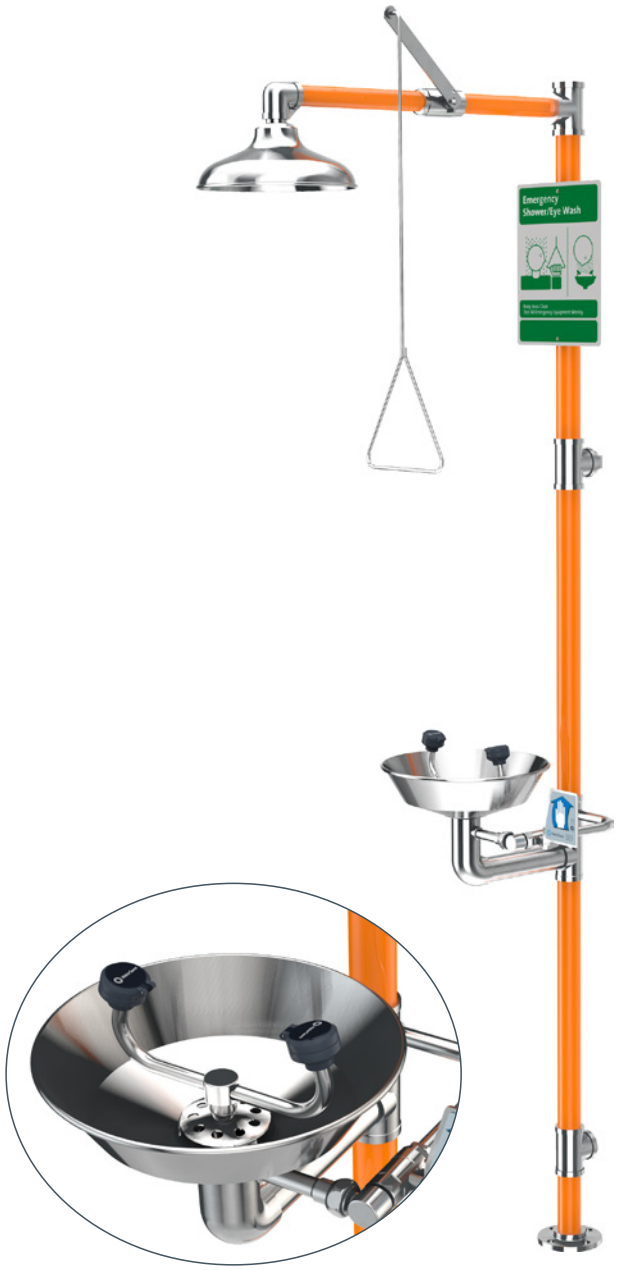
Accessories:

- Modesty curtain to provide privacy for user to disrobe while using emergency shower (order AP250-015).
- Electric light and alarm horn assembly to notify personnel that unit is in use (order AP275-205).
- AP3800 thermostatic mixing valve blends hot and cold water to deliver tepid water as provided by ANSI Z358.1-2014 (add suffix "TMV"). Refer to "Tempering Valves" section for complete technical information.

Listed 8116. Units have been tested to and comply with ANSI Z358.1-2014 and the Uniform Plumbing Code.

SS991

Safety Station with Eyewash, All-Stainless Steel



Application: All-stainless steel combination eyewash and shower safety station.

Shower Head: 10" (254mm) diameter stainless steel.

Shower Valve: 1" IPS stainless steel stay-open ball valve. Valve has stainless steel ball and PTFE seals. Furnished with stainless steel actuating arm and 29" stainless steel pull rod.

Spray Head Assembly: Two GS-Plus spray heads. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow.

Eyewash Valve: 1/2" IPS stainless steel stay-open ball valve. Valve has stainless steel ball and PTFE seals.

Eyewash Bowl: 11-1/4" (292mm) diameter stainless steel.

Pipe and Fittings: Schedule 40 stainless steel. Furnished with orange polyethylene covers for piping for high visibility and corrosion resistance.

Supply: 1-1/4" NPT female top or side inlet.

Waste: 1-1/4" NPT female outlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Eyewash assembly is factory assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

Additional Model

SS994 Combination eye/face wash and shower safety station with all-stainless steel construction. Furnished with four GS-Plus spray heads for complete rinsing of user's eyes and face.

Optional Features:

- 20 GPM flow control for shower head (add suffix "FC20")
- Stainless steel dust cover for each spray head (add suffix "DC")

Accessories:

- Modesty curtain to provide privacy for user to disrobe while using emergency shower (order AP250-015).
- Electric light and alarm horn assembly to notify personnel that unit is in use (order AP275-205). Flashing light and alarm horn are connected to flow switch that is activated by water flow.
- AP3800 thermostatic mixing valve blends hot and cold water to deliver tepid water as provided by ANSI Z358.1-2014 (add suffix "TMV"). Refer to "Tempering Valves" section for complete technical information.

SSBF909

Safety Station with Eye/Face Wash, Barrier-Free

Application: Barrier-free combination WideArea™ eye/face wash and shower safety station.

ADA Compliance: Unit complies with ADA requirements for accessibility by handicapped person. Shower head and pull rod are extended for improved access. Bowl is lowered and extended to permit access by wheelchair user. Profile of unit is "flattened" to comply with maximum height and knee clearance requirements.

Shower Head: 10" (254mm) diameter safety orange ABS plastic.

Shower Valve: 1" IPS chrome plated brass stay-open ball valve. Valve is US-made with chrome plated brass ball and PTFE seals. Furnished with stainless steel actuating arm and 47-1/2" stainless steel pull rod.

Spray Head Assembly: Four GS-Plus™ spray heads. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow.

Eye/Face Wash Valve: 1/2" IPS chrome plated brass stay-open ball valve. Valve is US-made with chrome plated brass ball and PTFE seals.

Eye/Face Wash Bowl: 11-1/2" (292mm) diameter stainless steel.

Pipe and Fittings: Schedule 40 galvanized steel. Furnished with orange polyethylene covers for piping for high visibility and corrosion resistance.

Supply: 1-1/4" NPT female top or side inlet.

Waste: 1-1/4" NPT female outlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Eye/face wash frame assembly is factory assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

Additional Model

SSBF994 Same as above except with all-stainless steel construction.

Optional Features:

- Epoxy powder coating on galvanized pipe and fittings. Available colors include orange (ORG), yellow (YEL), green (GRN) and red (RED).
- Stainless steel shower head (add suffix "SSH")
- 20 GPM flow control for shower head (add suffix "FC20")
- Stainless steel dust cover for each spray head (add suffix "DC")

Accessories:

- Modesty curtain to provide privacy for user to disrobe while using emergency shower (order APBF250-015).
- Electric light and alarm horn assembly to notify personnel that unit is in use (order AP275-205).
- AP3800 thermostatic mixing valve blends hot and cold water to deliver tepid water as provided by ANSI Z358.1-2014 (add suffix "TMV"). Refer to "Tempering Valves" section for complete technical information.

Listed 8116. Units have been tested to and comply with ANSI Z358.1-2014 and the Uniform Plumbing Code.

WaterSaver

SSBF909PCC

Safety Station with Eye/Face Wash, Barrier-Free, All-Polished Chrome

Application: Polished chrome plated brass barrier-free combination WideArea™ eye/face wash and shower safety station.

ADA Compliance: Unit complies with ADA requirements for accessibility by handicapped person. Shower head and pull rod are extended for improved access. Bowl is lowered and extended to permit access by wheelchair user. Profile of unit is "flattened" to comply with maximum height and knee clearance requirements.

Shower Head: 10" (254mm) diameter stainless steel.

Shower Valve: 1" IPS chrome plated brass stay-open ball valve. Valve is US-made with chrome plated brass ball and PTFE seals. Furnished with stainless steel actuating arm and 47-1/2" stainless steel pull rod.

Spray Head Assembly: Four GS-Plus™ spray heads. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow.

Eye/Face Wash Valve: 1/2" IPS chrome plated brass stay-open ball valve. Valve is US-made with chrome plated brass ball and PTFE seals.

Eye/Face Wash Bowl: 11-1/2" (292mm) diameter stainless steel.

Pipe and Fittings: Polished chrome plated brass.

Supply: 1-1/4" NPT female top or side inlet.

Waste: 1-1/4" NPT female outlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Eye/face wash frame assembly is factory assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2014.

Optional Features:

- Epoxy powder coating on galvanized pipe and fittings. Available colors include orange (ORG), yellow (YEL), green (GRN) and red (RED).
- Stainless steel shower head (add suffix "SSH")
- 20 GPM flow control for shower head (add suffix "FC20")
- Stainless steel dust cover for each spray head (add suffix "DC")

Accessories:

- Modesty curtain to provide privacy for user to disrobe while using emergency shower (order APBF250-015).
- Electric light and alarm horn assembly to notify personnel that unit is in use (order AP275-205).
- AP3800 thermostatic mixing valve blends hot and cold water to deliver tepid water as provided by ANSI Z358.1-2014 (add suffix "TMV"). Refer to "Tempering Valves" section for complete technical information.

Faucet-Mounted Eyewashes

EyeSafe™ faucet-mounted eyewashes convert any faucet into an emergency eyewash station without interfering with normal faucet operation. An EyeSafe™ unit can be installed at any sink, close to where accidents might occur. In an emergency, the eyewash is quickly located and activated, and provides an unlimited supply of potable water for rinsing the user's eyes.

IMPORTANT: *The EW100 and EW101 faucet-mounted eyewashes require two motions to operate (turn on water, pull knob to activate eyewash flow). Therefore, WaterSaver does not believe that these units meet the provisions of ANSI Z358.1-2014 as eyewash units. These units are intended solely as supplemental units in addition to dedicated, plumbed eyewash equipment installed in the workplace.*

Faucet-mounted eyewashes should be used with cold or warm water only. Use of hot water might cause scalding.

EW100

EyeSafe™ Faucet-Mounted Eyewash

Application: Faucet-mounted eyewash for sink faucets.

Outlet Heads: Outlet heads are mounted 3" apart and deliver a soft, aerated flow of water. Heads angle forward toward user. Angle of heads is adjustable to permit full coverage and avoid splashing. Furnished with float-off dust covers to protect outlet heads.

Valve: Forged brass diverter valve. Pull knob to activate eyewash; water pressure holds eyewash in operation, leaving user's hands free. Push knob or turn off faucet to return to normal faucet operation.

Inlet: Body has 55/64"-27 female thread. Furnished with three adaptors (15/16"-27, 13/16"-27 and 3/8" NPS) for installing on most commonly used faucets, including laboratory-type faucets.

Outlet: Furnished with removable aerator on bottom.

Quality Assurance: Unit is fully assembled and water tested prior to shipment.

EW101

EyeSafe™ Faucet-Mounted Eyewash

Application: Faucet-mounted eyewash for gooseneck-style faucets.

Outlet Heads: Outlet heads are mounted 5" apart and deliver a soft, aerated flow of water. Heads angle forward and inward toward user. Angle of heads is adjustable to permit full coverage and avoid splashing. Furnished with float-off dust covers to protect outlet heads.

Valve: Forged brass diverter valve. Pull knob to activate eyewash; water pressure holds eyewash in operation, leaving user's hands free. Push knob or turn off faucet to return to normal faucet operation.

Inlet: Body has 55/64"-27 female thread. Furnished with three adaptors (15/16"-27, 13/16"-27 and 3/8" NPS) for installing on most commonly used faucets, including laboratory-type faucets.

Outlet: Furnished with removable aerator on bottom.

Quality Assurance: Unit is fully assembled and water tested prior to shipment.

Finish Options:

- ○ Polished chrome plated finish with clear epoxy coating (PCL)
- ○ Satin chrome plated finish with clear epoxy coating (SCC)
- ○ Satin nickel plated finish with clear epoxy coating (SNC)

Accessories:

- ○ Inlet adaptor with 13/16"-24 female thread (order AP400-012)
- ○ Replacement float-off dust covers (package of 2) (order 250-046R)

Faucet-Mounted Eyewashes

EyeSafe faucet-mounted eyewashes convert any faucet into an emergency eyewash station without interfering with normal faucet operation. An EyeSafe unit may be installed at any sink, close to where accidents might occur. In an emergency, the eyewash is quickly located and activated, and provides an unlimited supply of potable water for rinsing the user's eyes.

Operation: The EW200 and EW201 faucet-mounted eyewashes offer the ability to activate the eyewash in a single motion. These units are equipped with a diverter valve for the eyewash and a separate control valve for the faucet. Once the unit is installed on a faucet, the faucet may be opened and left "on" to a preset temperature. To use the faucet, the flow of water is controlled by a quarter-turn ball valve and knob at the bottom of the eyewash. To use the eyewash, simply pull the knob on the diverter valve on the front of the eyewash. Since the faucet is open, this is the only motion required to activate the eyewash. Water pressure holds the eyewash in operation, leaving the user's hands free. To return to normal faucet operation, push the knob in or turn off the faucet.

IMPORTANT: *Faucet-mounted eyewashes are intended solely as supplemental units in addition to dedicated, plumbed eyewash equipment installed in the workplace.*

Faucet-mounted eyewashes should be used with cold or warm water only. Use of hot water might cause scalding. Leaving a faucet "on" with a valve at the outlet closed can cause cross-mixing of the hot and cold water. The water supply lines and/or the faucet should therefore be furnished with check valves to prevent such mixing from occurring.

These units must not be installed on a faucet with an atmospheric vacuum breaker, as the faucet control valve downstream of the vacuum breaker will interfere with its function. WaterSaver recommends consulting with the local plumbing code authority prior to installing these units.

EW200

EyeSafe™ Faucet-Mounted Eyewash with Faucet Control Valve

Application: Faucet-mounted eyewash for sink faucets.

Outlet Heads: Outlet heads are mounted 3" apart and deliver a soft, aerated flow of water. Heads angle forward toward user. Angle of heads is adjustable to permit full coverage and avoid splashing. Furnished with float-off dust covers to protect outlet heads.

Eyewash Valve: Forged brass diverter valve. Pull knob to activate eyewash; water pressure holds eyewash in operation, leaving user's hands free. Push knob to return to normal faucet operation.

Faucet Control Valve: Quarter turn ball valve with chrome plated brass ball, molded PTFE seals and plastic handle.

Inlet: Body has 55/64"-27 female thread. Furnished with three adaptors (15/16"-27, 13/16"-27 and 3/8" NPS) for installing on most commonly used faucets, including laboratory-type faucets.

Outlet: Furnished with removable aerator on bottom.

Quality Assurance: Unit is fully assembled and water tested prior to shipment.

EW201

EyeSafe-X™ Faucet-Mounted Eyewash with Faucet Control Valve

Application: Faucet-mounted eyewash for gooseneck-style faucets.

Outlet Heads: Outlet heads are mounted 5" apart and deliver a soft, aerated flow of water. Heads angle forward and inward toward user. Angle of heads is adjustable to permit full coverage and avoid splashing. Furnished with float-off dust covers to protect outlet heads.

Eyewash Valve: Forged brass diverter valve. Pull knob to activate eyewash; water pressure holds eyewash in operation, leaving user's hands free. Push knob to return to normal faucet operation.

Faucet Control Valve: Quarter turn ball valve with chrome plated brass ball, molded PTFE seals and plastic handle.

Inlet: Body has 55/64"-27 female thread. Furnished with three adaptors (15/16"-27, 13/16"-27 and 3/8" NPS) for installing on most commonly used faucets, including laboratory-type faucets.

Outlet: Furnished with removable aerator on bottom.

Quality Assurance: Unit is fully assembled and water tested prior to shipment.

AP3600

Tempering Valve, 6 Gallon Capacity

ASSE 1071 Certified

Application: Tempering valve to blend hot and cold water to deliver tepid water. Valve has flow capacity of 0.5 to 6 gallons per minute (GPM). Valve can be used with eyewash, eye/face wash, dual purpose eyewash/drench hose or drench hose unit.

Mounting: Furnished with heavy duty bracket for mounting valve on panel or wall.

Temperature Control: Valve has bimetallic thermostat that senses incoming water temperature and automatically blends water to 85°F (29°C). High temperature limit stop is set to 90°F (32°C). Valve has dial thermometer on outlet to monitor temperature of delivered water.

Fail Safe: In event of restriction or loss of hot water supply, internal bypass allows valve to deliver cold water to emergency unit. In bypass mode, valve will deliver 4 GPM of cold water at 30 PSI flow pressure. In event of loss of cold water supply, valve will close and not deliver water.

Flow Capacity: Please refer to a WaterSaver engineering catalog or to our website (wsflab.com) for flow capacity of valve at specified pressure drops.

Supply Pressure: 30-125 PSI supply pressure required for proper operation of valve.

Supply Temperature: Minimum temperature for hot water supply is 140° F (60° C).

Inlets: 1/2" nominal sweat female hot and cold water inlets. Each inlet has check valve and supply stop.

Outlet: 1/2" NPT female outlet.

Quality Assurance: Valve is fully assembled and water tested prior to shipment. Valve is certified to ASSE 1071.

AP3602

Tempering Valve, 6 Gallon Capacity, Stainless Steel Cabinet

ASSE 1071 Certified

Application: Tempering valve to blend hot and cold water to deliver tepid water. Valve has flow capacity of 0.5 to 6 gallons per minute (GPM). Valve can be used with eyewash, eye/face wash, dual purpose eyewash/drench hose or drench hose unit.

Mounting: Furnished with 16 gauge Type 304 stainless steel wall mounted cabinet with hinged door and lock.

Temperature Control: Valve has bimetallic thermostat that senses incoming water temperature and automatically blends water to 85°F (29°C). High temperature limit stop is set to 90°F (32°C). Valve has dial thermometer on outlet to monitor temperature of delivered water.

Fail Safe: In event of restriction or loss of hot water supply, internal bypass allows valve to deliver cold water to emergency unit. In bypass mode, valve will deliver 4 GPM of cold water at 30 PSI flow pressure. In event of loss of cold water supply, valve will close and not deliver water.

Flow Capacity: Please refer to a WaterSaver engineering catalog or to our website (wsflab.com) for flow capacity of valve at specified pressure drops.

Supply Pressure: 30-125 PSI supply pressure required for proper operation of valve.

Supply Temperature: Minimum temperature for hot water supply is 140° F (60° C).

Inlets: 1/2" nominal sweat female hot and cold water inlets. Each inlet has check valve and supply stop.

Outlet: 1/2" NPT female outlet.

Quality Assurance: Valve is fully assembled and water tested prior to shipment. Valve is certified to ASSE 1071.

Additional Model

AP3607 Same as above except with recess mounted stainless steel cabinet.

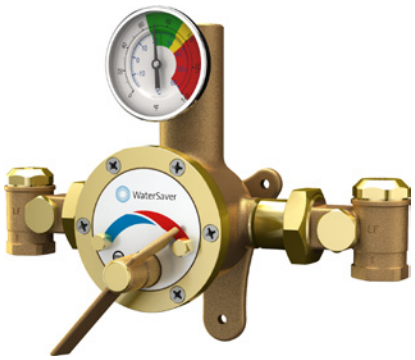
Important: *Per ANSI Z358.1-2014, the water delivered by emergency equipment should be "tepid". Tepid is defined as moderately warm or lukewarm, and is generally considered to be between 60°F (15°C) and 90°F (32°C). However, in certain circumstances, a chemical reaction may be accelerated or otherwise affected by the water temperature. Please consult with a medical advisor to determine the optimum delivered water temperature prior to specifying, installing or using a tempering valve.*

Tempering valves will not deliver the appropriate water temperature if the system has not been sized correctly. Please refer to the flow capacities and supply pressure requirements listed above when designing the tempered water system and selecting tempering valves.

Tempering valves, like all emergency eyewash and shower equipment, must be installed in accordance with the manufacturer's instructions and maintained on a regular basis. Under ANSI Z358.1-2014, all emergency equipment should be activated weekly and inspected at least annually. Tempering valves should be treated the same and, in addition, must be regularly cleaned and cycled.

AP3800

Tempering Valve, 44 Gallon Capacity



ASSE 1071 Certified

Application: Tempering valve to blend hot and cold water to deliver tepid water. Valve has flow capacity of 3.0 to 44 gallons per minute (GPM). Valve can be used with a single installation of an emergency shower or safety station, or with multiple installations of emergency shower, eyewash, eye/face wash, dual purpose eyewash/drench hose, drench hose and safety station units.

Mounting: Furnished with heavy duty bracket for mounting valve on panel or wall.

Temperature Control: Valve has bimetallic thermostat that senses incoming water temperature and automatically blends water to 85°F (29°C). High temperature limit stop is set to 90°F (32°C). Valve has dial thermometer on outlet to monitor temperature of delivered water.

Fail Safe: In event of restriction or loss of hot water supply, internal bypass allows valve to deliver cold water to emergency unit. In bypass mode, valve will deliver 20 GPM of cold water at 30 PSI flow pressure. In event of loss of cold water supply, valve will close and not deliver water.

Flow Capacity: Please refer to a WaterSaver engineering catalog or to our website (wsflab.com) for flow capacity of valve at specified pressure drops.

Supply Pressure: 30-125 PSI supply pressure required for proper operation of valve.

Supply Temperature: Minimum temperature for hot water supply is 140° F (60° C).

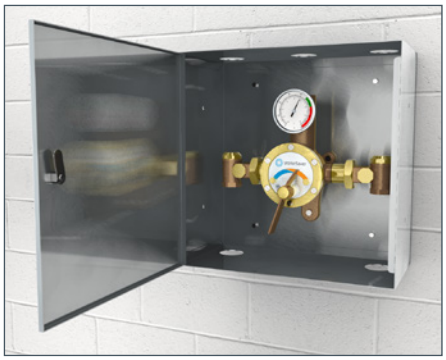
Inlets: 1" NPT female hot and cold water inlets. Inlets can be rotated 360 degrees for top, back or bottom supply. Each inlet has an integral water strainer, check valve and supply stop.

Outlet: 1-1/4" NPT female outlet.

Quality Assurance: Valve is fully assembled and water tested prior to shipment. Valve is certified to ASSE 1071.

AP3802

Tempering Valve, 44 Gallon Capacity, Stainless Steel Cabinet



ASSE 1071 Certified

Application: Tempering valve to blend hot and cold water to deliver tepid water. Valve has flow capacity of 3.0 to 44 gallons per minute (GPM). Valve can be used with a single installation of an emergency shower or safety station, or with multiple installations of emergency shower, eyewash, eye/face wash, dual purpose eyewash/drench hose, drench hose and safety station units.

Mounting: Furnished with 16 gauge Type 304 stainless steel wall mounted cabinet with hinged door and lock.

Temperature Control: Valve has bimetallic thermostat that senses incoming water temperature and automatically blends water to 85°F (29°C). High temperature limit stop is set to 90°F (32°C). Valve has dial thermometer on outlet to monitor temperature of delivered water.

Fail Safe: In event of restriction or loss of hot water supply, internal bypass allows valve to deliver cold water to emergency unit. In bypass mode, valve will deliver 20 GPM of cold water at 30 PSI flow pressure. In event of loss of cold water supply, valve will close and not deliver water.

Flow Capacity: Please refer to a WaterSaver engineering catalog or to our website (wsflab.com) for flow capacity of valve at specified pressure drops.

Supply Pressure: 30-125 PSI supply pressure required for proper operation of valve.

Supply Temperature: Minimum temperature for hot water supply is 140° F (60° C).

Inlets: 1" NPT female hot and cold water inlets. Inlets can be rotated 360 degrees for top, back or bottom supply. Each inlet has integral water strainer, check valve and supply stop.

Outlet: 1-1/4" NPT female outlet.

Quality Assurance: Valve is fully assembled and water tested prior to shipment. Valve is certified to ASSE 1071.

Additional Model

AP3807 Same as above except with recessed mounted stainless steel cabinet.

Important: *Per ANSI Z358.1-2014, the water delivered by emergency equipment should be "tepid". Tepid is defined as moderately warm or lukewarm, and is generally considered to be between 60°F (15°C) and 90°F (32°C). However, in certain circumstances, a chemical reaction may be accelerated or otherwise affected by the water temperature. Please consult with a medical advisor to determine the optimum delivered water temperature prior to specifying, installing or using a tempering valve.*

Tempering valves will not deliver the appropriate water temperature if the system has not been sized correctly. Please refer to the flow capacities and supply pressure requirements listed above when designing the tempered water system and selecting tempering valves.

Tempering valves, like all emergency eyewash and shower equipment, must be installed in accordance with the manufacturer's instructions and maintained on a regular basis. Under ANSI Z358.1-2014, all emergency equipment should be activated weekly and inspected at least annually. Tempering valves should be treated the same and, in addition, must be regularly cleaned and cycled.

AP3900

Tempering Valve, 81 Gallon Capacity

Application: Tempering valve to blend hot and cold water to deliver tepid water. Valve has flow capacity of 3.0 to 81 gallons per minute (GPM). Valve can be used with a single installation of an emergency shower or safety station, or with multiple installations of emergency shower, eyewash, eye/face wash, dual purpose eyewash/drench hose, drench hose and safety station units.

Mounting: Furnished with heavy duty bracket for mounting valve on panel or wall.

Temperature Control: Valve has bimetallic thermostat that senses incoming water temperature and automatically blends water to 85°F (29°C). High temperature limit stop is set to 90°F (32°C). Valve has dial thermometer on outlet to monitor temperature of delivered water.

Fail Safe: In event of restriction or loss of hot water supply, internal bypass allows valve to deliver cold water to emergency unit. In bypass mode, valve will deliver 40 GPM of cold water at 30 PSI flow pressure. In event of loss of cold water supply, valve will close and not deliver water.

Flow Capacity: Please refer to a WaterSaver engineering catalog or to our website (wsflab.com) for flow capacity of valve at specified pressure drops.

Supply Pressure: 30-125 PSI supply pressure required for proper operation of valve.

Supply Temperature: Minimum temperature for hot water supply is 140° F (60° C).

Inlets: 1-1/4" NPT female hot and cold water inlets. Inlets can be rotated 360 degrees for top, back or bottom supply. Each inlet has an integral water strainer, check valve and supply stop.

Outlet: 1-1/2" NPT female outlet.

Quality Assurance: Valve is fully assembled and water tested prior to shipment.

AP3902

Tempering Valve, 81 Gallon Capacity, Stainless Steel Cabinet

Application: Tempering valve to blend hot and cold water to deliver tepid water. Valve is furnished with wall mounted stainless steel cabinet. Valve has flow capacity of 3.0 to 81 gallons per minute (GPM). Valve can be used with a single installation of an emergency shower or safety station, or with multiple installations of emergency shower, eyewash, eye/face wash, dual purpose eyewash/drench hose, drench hose and safety station units.

Mounting: Furnished with 16 gauge Type 304 stainless steel wall mounted cabinet with hinged door and lock.

Temperature Control: Valve has bimetallic thermostat that senses incoming water temperature and automatically blends water to 85°F (29°C). High temperature limit stop is set to 90°F (32°C). Valve has dial thermometer on outlet to monitor temperature of delivered water.

Fail Safe: In event of restriction or loss of hot water supply, internal bypass allows valve to deliver cold water to emergency unit. In bypass mode, valve will deliver 40 GPM of cold water at 30 PSI flow pressure. In event of loss of cold water supply, valve will close and not deliver water.

Flow Capacity: Please refer to a WaterSaver engineering catalog or to our website (wsflab.com) for flow capacity of valve at specified pressure drops.

Supply Pressure: 30-125 PSI supply pressure required for proper operation of valve.

Supply Temperature: Minimum temperature for hot water supply is 140° F (60° C).

Inlets: 1-1/4" NPT female hot and cold water inlets. Inlets can be rotated 360 degrees for top, back or bottom supply. Each inlet has an integral water strainer, check valve and supply stop.

Outlet: 1-1/2" NPT female outlet.

Quality Assurance: Valve is fully assembled and water tested prior to shipment.

Additional Model

AP3907 Same as above except with recessed mounted stainless steel cabinet.

Important: *Per ANSI Z358.1-2014, the water delivered by emergency equipment should be "tepid". Tepid is defined as moderately warm or lukewarm, and is generally considered to be between 60°F (15°C) and 90°F (32°C). However, in certain circumstances, a chemical reaction may be accelerated or otherwise affected by the water temperature. Please consult with a medical advisor to determine the optimum delivered water temperature prior to specifying, installing or using a tempering valve.*

Tempering valves will not deliver the appropriate water temperature if the system has not been sized correctly. Please refer to the flow capacities and supply pressure requirements listed above when designing the tempered water system and selecting tempering valves.

Tempering valves, like all emergency eyewash and shower equipment, must be installed in accordance with the manufacturer's instructions and maintained on a regular basis. Under ANSI Z358.1-2014, all emergency equipment should be activated weekly and inspected at least annually. Tempering valves should be treated the same and, in addition, must be regularly cleaned and cycled.

AP250-015

Modesty Curtain for Horizontal Showers and Safety Stations

In an emergency, it is imperative that contaminated clothing be removed as quickly as possible. However, a worker may be reluctant to remove his or her clothing in the presence of co-workers. A modesty curtain will protect the privacy of the user and permit disrobing while the shower is in operation.

Application: Modesty curtain for installation on horizontally mounted emergency showers and free-standing combination safety stations.

Mounting: Furnished complete with stainless steel track, brackets and clamps for mounting on vertical and horizontal piping. All hardware required for installation is included.

Curtain: White UV-resistant nylon curtain with ring hangers. Curtain has tie-back so it can be neatly stored when shower is not in use. Curtain has interior pocket for storing a smock to be used after contaminated clothing is removed.

Additional Model

APBF250-015 Same as above except for installation on barrier-free safety stations.

AP250-065

Modesty Curtain for Recessed Laboratory Units

In an emergency, it is imperative that contaminated clothing be removed as quickly as possible. However, a worker may be reluctant to remove his or her clothing in the presence of co-workers. A modesty curtain will protect the privacy of the user and permit disrobing while the shower unit is in operation.

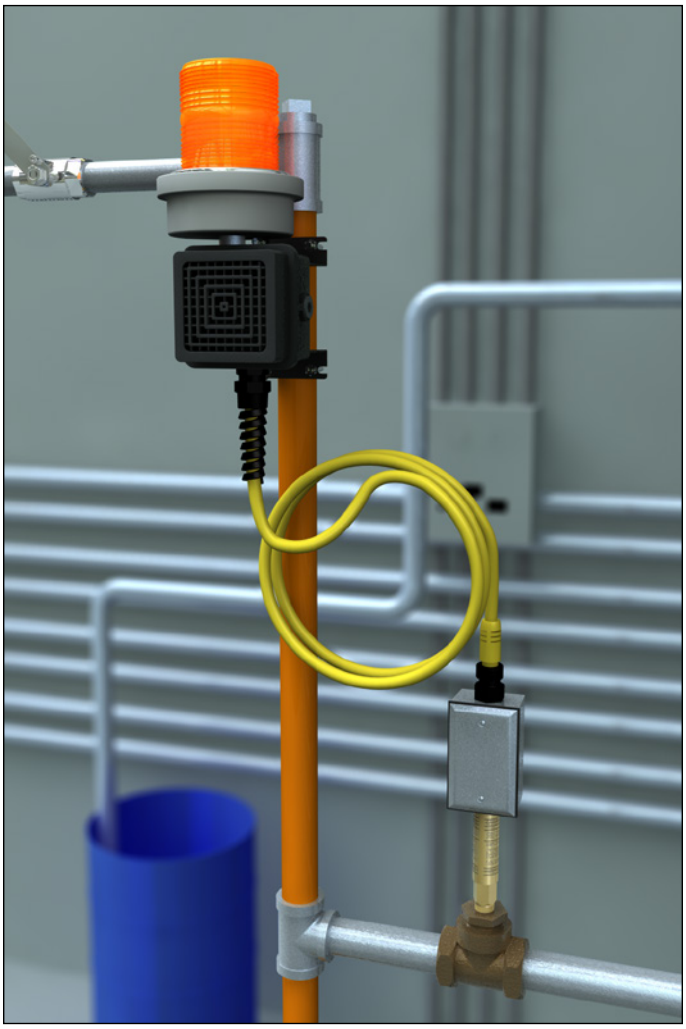
Application: Modesty curtain for use with recessed laboratory units, including emergency showers and combination safety stations.

Mounting: Stainless steel track assembly mounts on wall around recessed safety unit. All hardware required for installation (except screws or anchors for wall) is included.

Curtain: White UV-resistant nylon curtain with ring hangers. Curtain has tie-back so it can be neatly stored when emergency equipment is not in use. Curtain has interior pocket for storing a smock to be used after contaminated clothing is removed.

AP275-205

Alarm Unit for Safety Stations,
Flashing Light and Horn



Alarm units serve two important functions when installed with emergency eyewash and shower equipment. First, alarms alert facility personnel that an accident has occurred and that assistance may be required. Second, alarms deter unintended or malicious activation of the emergency equipment. Alarms are therefore advisable in schools and other facilities where the possibility of vandalism is present. All alarm units are supplied with a flow switch that senses the movement of water in the supply line when an emergency unit is activated. The flow switch activates a bright flashing light and loud horn and sends a signal to a remote monitoring station or building management system.

Application: Alarm unit for use with free-standing combination safety stations.

Mounting: Furnished with mounting hardware for installation on the vertical pipe of safety station or on adjacent wall.

Visual Signal: Weatherproof amber flashing light with shatter-resistant lens.

Audible Signal: Alarm horn with 100 db sound at 10 feet. Output volume is adjustable.

Remote Monitoring: Unit sends signal to remote monitoring location when water flow is activated.

Flow Switch: 1-1/4" IPS double pole, double throw flow switch for installation in water supply line to safety station. Switch senses flow of water when either eyewash or shower is activated. When switch is activated, light turns on, alarm sounds and signal is sent to remote monitoring station.

Electrical Requirements: 120 volt, 0.48 amp electrical supply is required. Alarm is furnished with junction box, 5 foot NEMA 4X flexible cord and receptacle. Electrical connections by others.

Quality Assurance: Unit is fully assembled and factory tested prior to shipment.

Additional Models

A275-200 Same as above except without remote monitoring capability. Flow switch is single pole, double throw.

A280-205 Alarm unit with flashing light and horn for use with emergency showers. Furnished with 1" IPS double pole, double throw flow switch.

A280-200 Same as above except without remote monitoring capability. Flow switch is single pole, double throw.

AP280-235

Alarm Unit for Recessed Laboratory Units, Flashing Light and Horn

Alarm units serve two important functions when installed with emergency eyewash and shower equipment. First, alarms alert facility personnel that an accident has occurred and that assistance may be required. Second, alarms deter unintended or malicious activation of the emergency equipment. Alarms are therefore advisable in schools and other facilities where the possibility of vandalism is present. All alarm units are supplied with a flow switch that senses the movement of water in the supply line when an emergency unit is activated. The flow switch activates a bright flashing light and loud horn and sends a signal to a remote monitoring station or building management system.

Application: Alarm unit for use with recessed laboratory units.

Mounting: Combination light/alarm is recess mounted in wall. Flow switch and electrical wiring are located behind wall.

Visual Signal: Weatherproof amber flashing light with shatter-resistant lens.

Audible Signal: Alarm horn with 90 db sound at 10 feet. Output volume is adjustable.

Remote Monitoring: Unit sends signal to remote monitoring location when water flow is activated.

Flow Switch: 1" IPS double pole, double throw flow switch for installation in water supply line to safety station. Switch senses flow of water when either eyewash or shower is activated.

Electrical Requirements: 120 volt, 0.11 amp electrical supply is required. Electrical connections by others.

Quality Assurance: All components are factory tested prior to shipment.

Additional Model

AP280-230 Same as above except without remote monitoring capability. Flow switch is single pole, double throw.

AP280-245

Alarm Unit for Surface Mounted Laboratory Units

Alarm units serve two important functions when installed in conjunction with emergency eyewash and shower equipment. First, alarms serve to alert facility personnel that an accident has occurred and that assistance to the user may be required. Second, alarms deter unintended or malicious operation of the emergency equipment. For this reason, they are advisable in schools and other areas where the possibility of vandalism is present. Alarms are activated by a flow switch that senses the movement of water in the supply line when the safety unit is activated. Once activated, the bright light flashes and the horn sounds loudly.

Application: Alarm unit for use with surface mounted laboratory units.

Mounting: Combination light/alarm is surface mounted on wall. Flow switch and electrical wiring are located behind wall.

Visual Signal: Weatherproof amber flashing light with shatter-resistant lens.

Audible Signal: Alarm horn with 90 db sound at 10 feet. Output volume is adjustable.

Remote Monitoring: Unit sends signal to remote monitoring location when water flow is activated.

Flow Switch: 1" IPS double pole, double throw flow switch for installation in water supply line to safety station. Switch senses flow of water when either eyewash or shower is activated.

Electrical Requirements: 120 volt, 0.11 amp electrical supply is required. Electrical connections by others.

Quality Assurance: All components are factory tested prior to shipment.

Additional Models

AP280-240 Same as above except without remote monitoring capability. Flow switch is single pole, double throw.

Each spray head features:

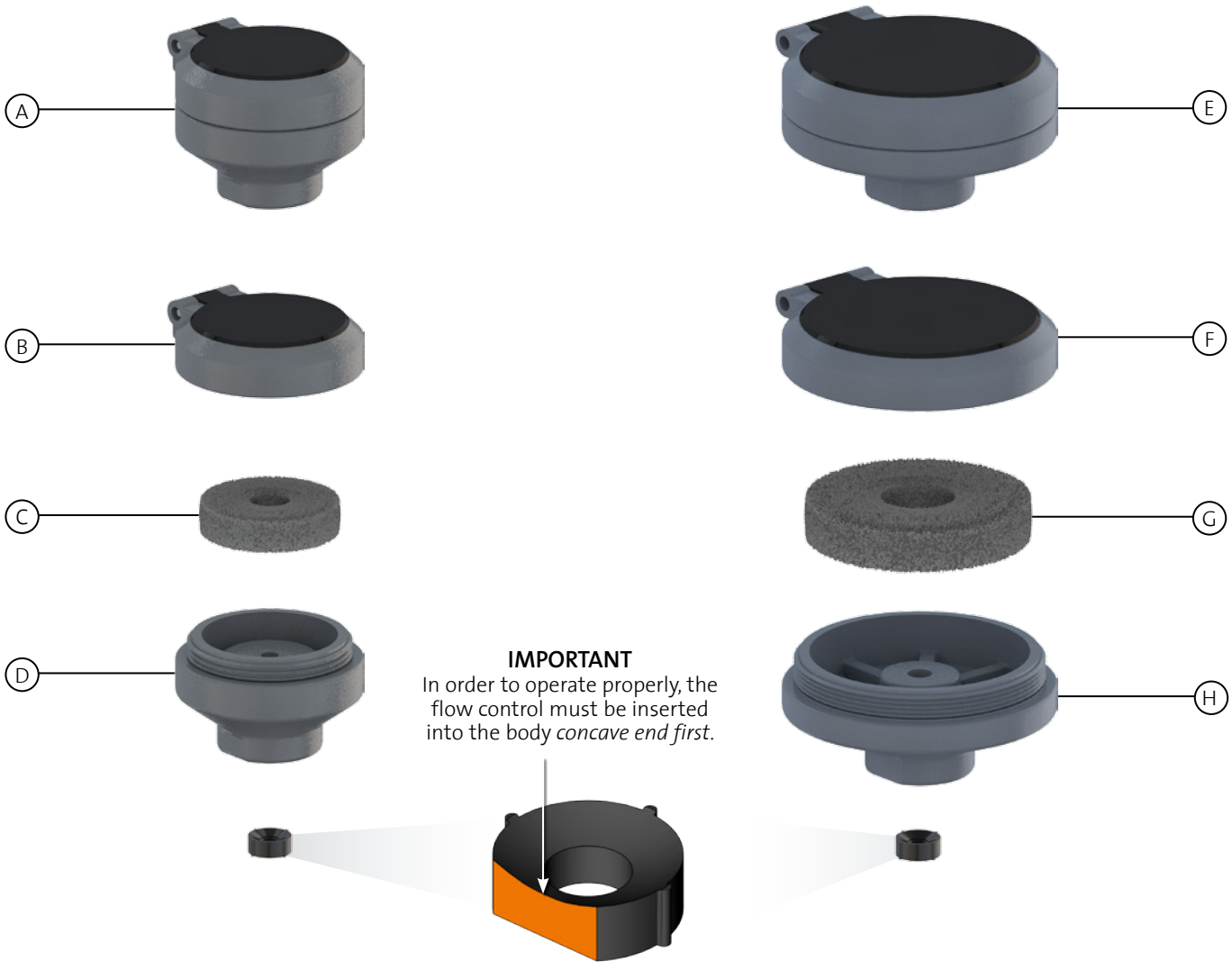
- Unique design provides a consistently soft, full spray of water across a range of working pressures from 30 to 100 PSI
- Tough polypropylene plastic construction
- Integrated "flip-top" dust cover
- Easily accessible 1.8 GPM (GS-Plus™) or 3.2 GPM (FS-Plus™) flow controls.
- Dense (60 pore per inch) polyurethane internal filter

GS-Plus™ Spray Head

Item	Part Number	Description
A	**AP470-001W**	GS-Plus™ Spray Head (complete)
B	**AP470-002W-R**	Dust Cover and Cap Assembly (Pkg of 2)
C	**470-004R**	60 PPI Polyurethane Filter (Pkg of 6)
D	**470-005R**	1.8 GPM Flow Control (Pkg of 6)

FS-Plus™ Spray Head

Item	Part Number	Description
E	**AP470-021W**	FS-Plus™ Spray Head (complete)
F	**AP470-022W-R**	Dust Cover and Cap Assembly (Pkg of 2)
G	**470-024R**	60 PPI Polyurethane Filter (Pkg of 6)
H	**470-025R**	3.2 GPM Flow Control (Pkg of 6)



All signs are 8-1/2" x 11" plastic

250-009W

250-007W

250-010W

250-006W

250-008W

250-012W

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