

Emergency Fixtures



Drench Showers | Eye and Eye/Face Washes | Combination Drench | Shower Eye and Eye/Face Washes | Faucet/Eyewash | Enclosed Safety Showers | Tankless Tempering Systems
Navigator Skid Systems | Emergency Signaling Systems | Drench Hoses
Laboratory Fixtures | Emergency Thermostatic Mixing Valves | Portable Eyewashes



A **WATTS** Brand



Bradley



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FAST SHIPPING

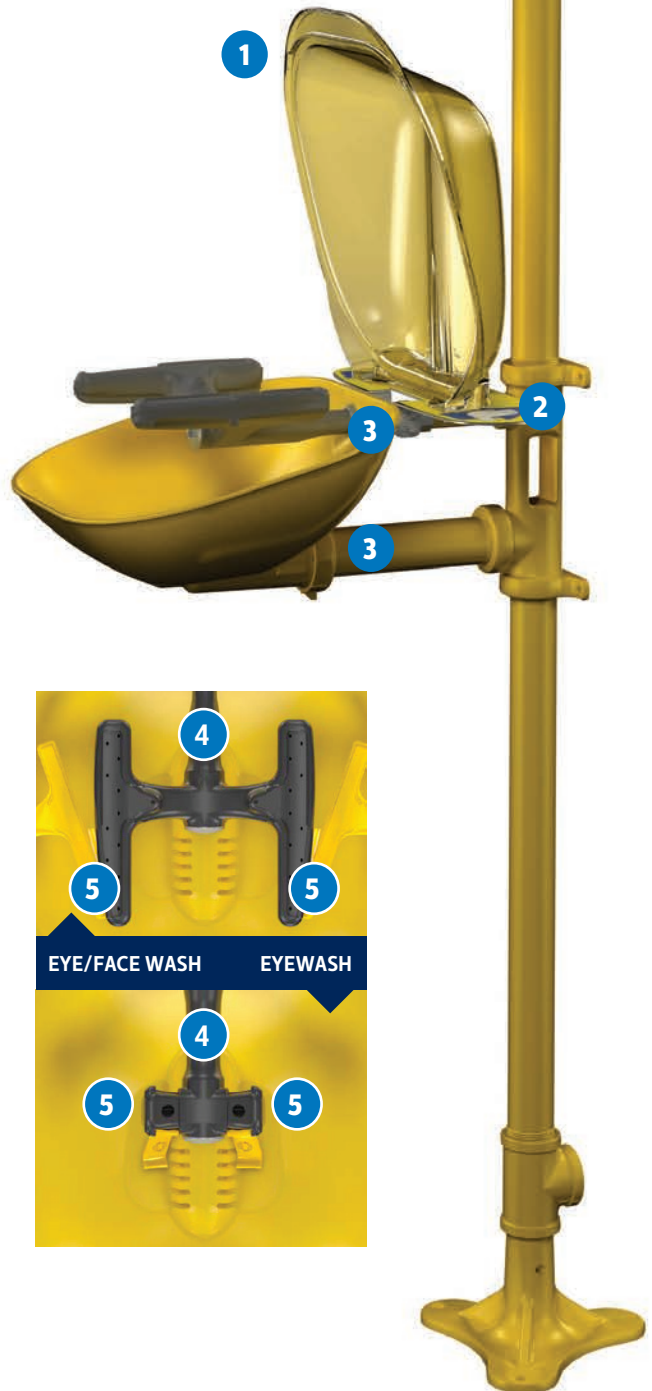
Bradley's **BradEX**® shipping program allows you to prepare for upcoming inspections and respond to changing workplace needs. Fast replacements are just a phone call away and will ship within two days. The **BradEX**® shipping feature is available for a wide range of product, at no extra cost.

Halo

EYE/FACEWASH

Halo™ surrounds you with the fastest, most effective relief in the industry. Bradley's new eye & eye/face wash provides the most washdown coverage for your face of any model on the market. In an emergency, your eyes and face can't afford to trust anything but the best in the industry.

- 1** Enhanced dust cover design in clear translucent yellow allowing for easy inspection. When the cover is opened, water flow starts automatically giving the user instant relief.
- 2** New ergonomic hand activation is easy to reach from any direction.
- 3** Separate supply waste and pipes to eye/face wash are industry first and exclusive to Bradley!
- 4** The Aquaduct™ design is the only self draining design for standard Eyewash models – another industry first and Bradley exclusive. The self-draining Aquaduct helps reduce the risk of bacteria growth when unit is not in use. Integral strainer inside the Aquaduct reduces debris in the water for additional eye protection and also prevents clogging.
- 5** New dust cover caps on the Eyewash are hinged for a more secure hold – keeping dust and debris off the water spouts.



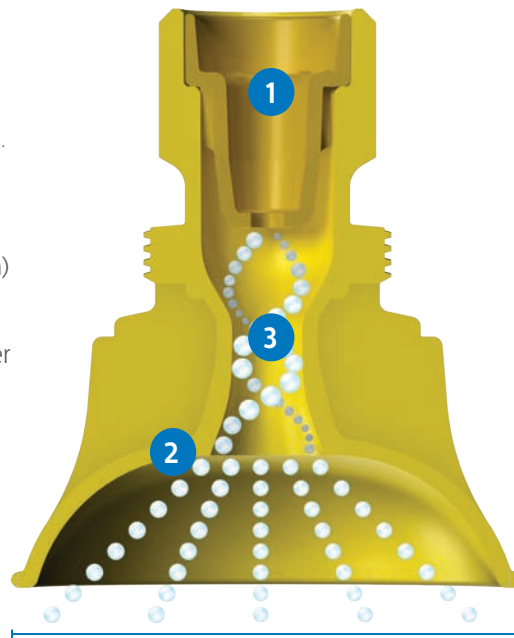
SPINTEC®

SpinTec® showerheads incorporate the latest technology in fluid dynamics and provide the most consistent distribution of water from a drench shower. That means the fastest, most effective removal of contaminants in the industry.

SpinTec Standard Showerhead

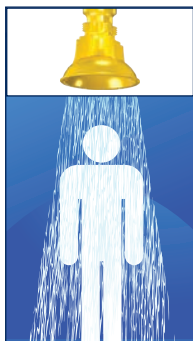
Showerhead is constructed of ABS plastic so it is highly corrosion resistant.

- 1** Integral flow control provides a minimum of 20GPM (761 L/Min)
- 2** Contoured shape focuses water for faster washdown
- 3** Spinning motion of water creates optimal spray pattern

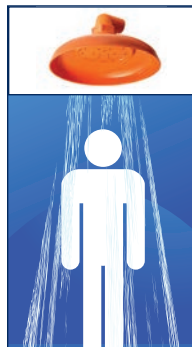


Smaller profile reduces risk of damage in busy industrial environments

SpinTec Uniform Distribution



OLD Uneven Distribution



SpinTec High Performance Stainless Steel

The 304 & 316 Stainless Steel showerhead provides the maximum corrosion resistance and durability for highly corrosive and abusive applications.



Recessed Flush-Mounted SpinTec Showerhead

Provides the smallest footprint and clean appearance of in-ceiling mounting. Easy to install.

BRADLEY ELECTRIC TANKLESS WATER HEATERS

POWERED BY KELTECH™

Tough enough for the most extreme environments on earth

On demand supply of ANSI-required tepid water for safety showers and eye/face washes – in seconds.

- No need to keep a 300 gal (1136 L) tank heated 24/7/365
- Easy to install – just add water and power. All you need is one electrical connection and a cold water line
- Under constant flow and pressure, temperatures stay within $\pm 1^\circ$ F of set point
- Precision systems custom engineered to fit your application
- Meets ANSI/ISEA Z358.1 standards and third-party verified to UL/CSA standards
- Only electric tankless water heaters registered with the National Board and certified with the HLW stamp
- Optional features include NEMA 4X stainless steel enclosures, explosion proof purge system, and freeze protection to -20° F



For information contact your Bradley Representative or visit bradleycorp.com

Environmental and hazardous chemicals and site conditions

Within these industries warranting additional consideration are shown below. This list is not intended to be exhaustive, but rather, to serve as a starting point to begin the evaluation process of what types of hazards warrant the installation of a drench shower or Eyewash fixture that provides an ANSI-compliant 15-minute flush. Industries subject to a higher accident ratio and an increased rate of OSHA audits are:

- Healthcare
- Industrial
- Education
- Construction
- Agriculture
- Government
- Hospitality
- Retail
- Laboratories
- Food Processing
- Paper Mills
- Automotive
- Mining
- Trades
- Aerospace
- Ethanol/Oil Refineries
- Wastewater Treatment
- Utilities

Common hazards that require a 15-minute flush

- Dust, dirt, salt, sand, cardboard, wood chips, powder, fine particulate
- Bloodborne pathogens; blood, bodily fluids and remains
- Metal shavings, filings, dust, concrete, cement chips,
- Insecticides, pesticides, herbicides, fumigants
- Nails, wood splinters, staples
- Smoke, flammable or poisonous gases
- Solvents, stains, paint, thinner, acetone
- Caustic water treatment chemicals
- Laboratory chemicals, oxygen
- Bleach, chlorine, ammonia
- Bacteria, germs, bio hazards
- Gas, diesel, cleaning solvents, antifreeze
- Battery acid, starter fluid, paints, oils, hydraulic fluid
- Falling, flying or shifting debris, rocks, building materials and glass
- Thermal hazards, UV radiation burns (welder's flash), electrical arcs
- Acids, bases, solvents, lime
- Flammable liquids



Important information about compliance

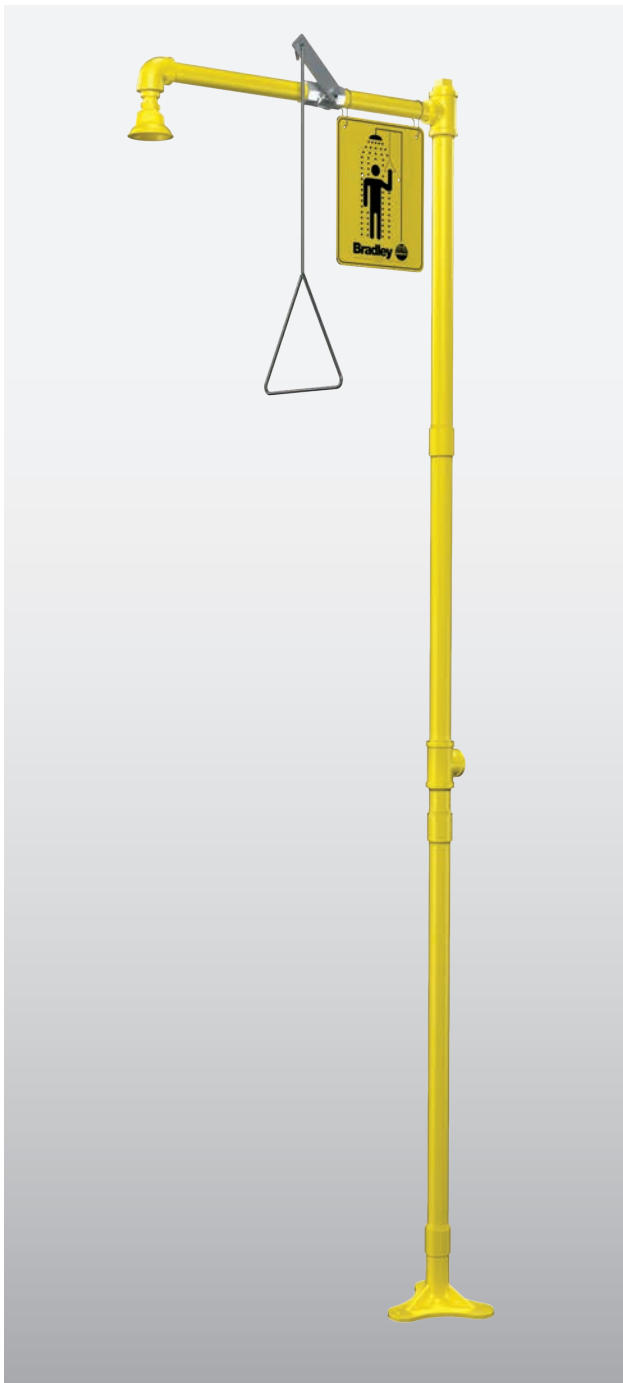
The U.S. Code of Federal Regulations 29CFR 1910.151 states: "Where the eyes or body of any person may be exposed to injurious corrosive materials, suitable facilities for quick drenching or flushing of the eyes and body shall be provided within the work area for immediate emergency use."

The American National Standards Institute (ANSI) establishes standards for minimum performance and use requirements for Eyewash and shower equipment.

The ANSI/ISEA Z358.1-2014 for Emergency Eyewash and Shower Equipment provides detailed guidelines to which OSHA, State OSHA and other regulatory agencies commonly refer.

The Joint Commission 2014 EC Standard for Hospitals requires: "The hospital takes action to minimize or eliminate identified safety and security risks in the physical environment." Furthermore, hospitals are required to "Minimize risk associated with selecting, handling, storing, transporting, using, and disposing hazardous chemicals." Surveyors commonly refer to OSHA requirements and the ANSI Standard for further guidance on best demonstrated practices.

Canadian Provincial authorities also typically refer to ANSI standards when auditing for or advising proper requirements for emergency Eyewash showers.



S19-110 Series

Overview

When there's the possibility of full-body chemical contamination, the first choice is an ANSI-compliant, full-body drench shower. Bradley drench showers, the S19-110 line of products, are a great choice when a wall-mounted drench shower isn't practical. And with the BradTect® corrosion-resistant yellow coating standard on most units, these drench showers are not only easy to see, but durable enough for your tough work environment.

Key Features

- SpinTec showerhead improves water distribution
- Exceeds ANSI minimum water flow of 20 GPM (76 L/Min) at 30 psi (207 kPa)
- Stay-open ball valve with single-step activation
- Triangular stainless steel pull rod
- Universal ID sign
- BradTect corrosion-resistant yellow coating (except on stainless steel, PVC and chrome models)
- 1¼" (32 mm) NPT inlet
- One-year warranty
- Top- or mid-level supply standard on all drench showers and combination units
- ANSI/ISEA Z358.1 certified models available

Emergency Fixture Facts

Drench showers are required to have 16" (406 mm) of clearance around the fixture, from the center of the spray pattern. ANSI /ISEA Z358.1 Section 4.1.4

Suggested Accessories

Standard and Explosion-Proof Signaling Systems	page 54
Drench Hose Spray Kits	page 82
Freeze and Scald Protection Valves	page 84
Other parts and accessories	page 82

Recommended Emergency TMV

Navigator® EFX 20 (S19-2150)

The current ANSI standard calls for emergency Eyewashes and drench showers to deliver tepid water (60–100°F/ 15.5–37.7°C) for 15 minutes. A thermostatic mixing valve is needed to mix the hot and cold water supply. Bradley's Navigator® TMVs are the most reliable emergency TMVs on the market. One valve is required per plumbed unit.



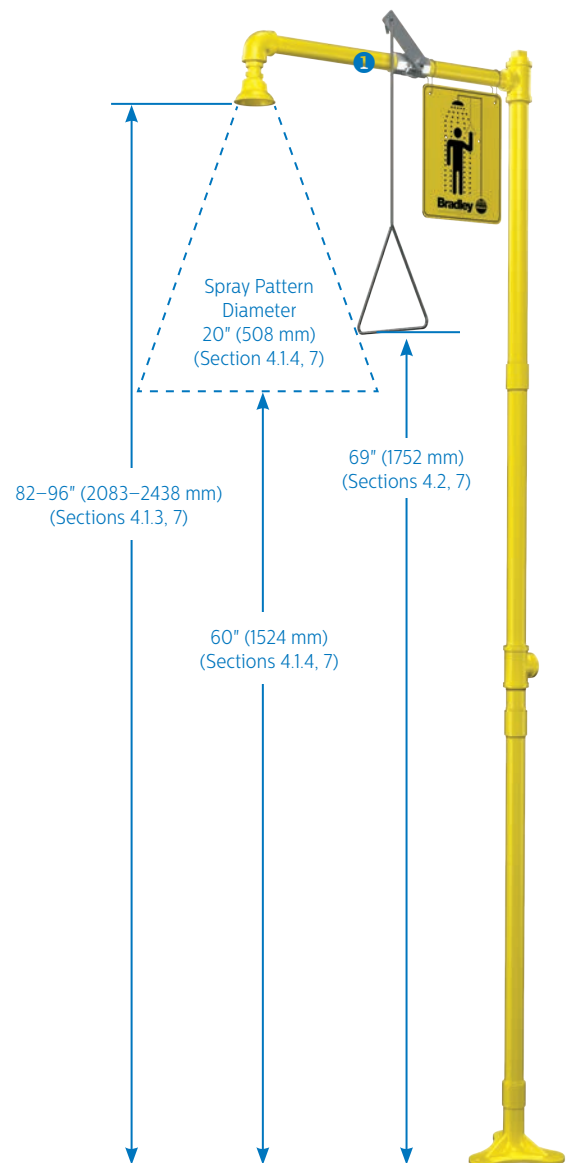
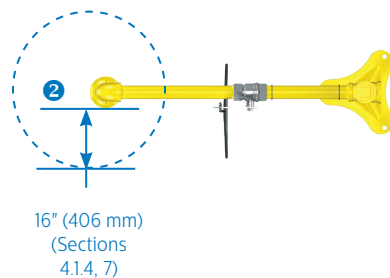
Quick Compliance Guide

Safety Drench Showers

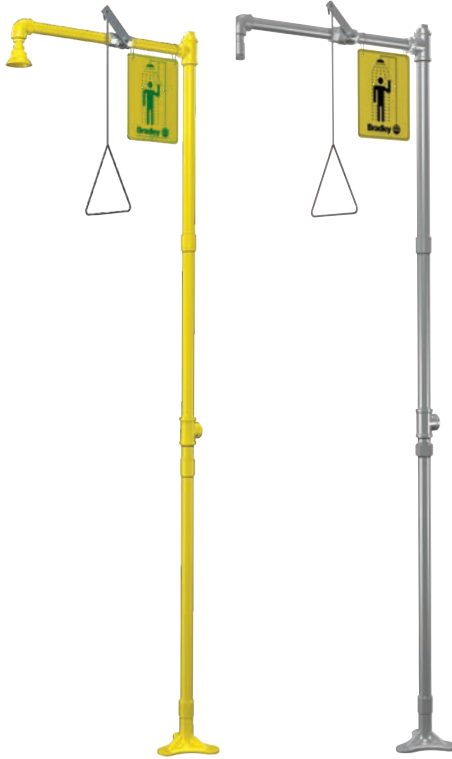
- Valve mechanism opens in one second or less; it stays open until manually closed. (Section 4.2) ①
- Supply with flushing fluid (“potable water, preserved water, preserved buffered saline solution or other medically acceptable solution...”). (Definitions, Sections 4.1.1, 4.4.1)
- Locate 10 seconds or 55' (16.8 m) from contaminants or hazardous materials. Locate on the same plane as hazard and free of obstructions. (Section 4.5.2, Appendix B5)
- Doors are an obstruction. (Appendix B5)
- Must resist corrosion in the presence of flushing fluid. (Section 4.1.5)
- Audible, visual and central control signal systems deter vandals and notify personnel that an accident occurred. (Appendix B4)
- Environmental conditions often require freeze or scald protection equipment. (Section 4.5.5)

Top down view

Requires a 16" (406 mm) radius from the center of the drench shower spray pattern to be free of obstructions. (Section 4.1.4) ②



15-minute Flush	Tepid Water	Third-Party Certifications	Weekly Activations:	Annual Inspections
Compliant showers release a continuous flow of at least 20 GPM (76 L/Min) of tepid flushing fluid for a period of at least 15 minutes. (Sections 4.1.2, 4.4.1, 4.5.5, 4.5.6)	(lukewarm) 60–100°F (15.6–37.8°C) encourages full 15 minute flush or until medical personnel arrive. (Definitions, Sections 4.5.6, Appendix B6)	Manufacturers may have their safety fixtures independently evaluated by a third-party testing organization. Look for certification when selecting a compliant fixture. (Definitions)	Flush lines and test by activating weekly. Inspection tags are often included with fixtures to document testing and to satisfy a safety audit. (Section 4.6.2)	ANSI recommends a comprehensive annual inspection of the facility to evaluate modified work space, assess new hazards introduced into the area, and to identify fixtures needing replacement or repair. (Section 4.6.5)

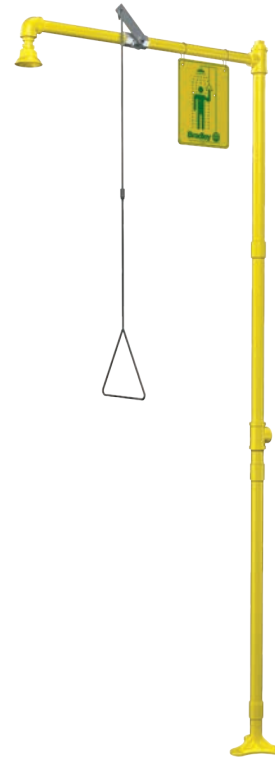


S19-110

Galvanized steel protected with BradTect corrosion-resistant yellow coating
Plastic showerhead
UL classified to meet ANSI/ISEA Z358.1

S19-110SS

Same features as S19-110, except is an all stainless steel fixture
Bradley's stainless steel emergency fixtures in 304 stainless recommended for harsh environments
UL classified to meet ANSI/ISEA Z358.1



S19-110BF



Barrier-free Freestanding Drench Shower – fully accessible to people with physical disabilities
BradTect corrosion-resistant yellow coating
Plastic showerhead
UL classified to meet ANSI/ISEA Z358.1

S19-110BFSS



Same features as S19-110BF, except is an all stainless steel fixture
Bradley's stainless steel emergency fixtures in 304 stainless recommended for harsh environments
UL classified to meet ANSI/ISEA Z358.1



S19-120 & S19-130 series

Overview

A drench shower is required anywhere a MSDS sheet indicates that a full body flush may be required or where exposure to hazardous material is likely. Bradley's drench showers provide a complete full body deluge of water, to ensure that contaminants are rinsed from the body as rapidly and efficiently as possible. With water resources at a premium, Bradley's patented design features an integral 22 GPM (83 L/Min) flow restrictor that works in tandem with the showerhead flow pattern to ensure that the most effective ANSI 15-minute flush is achieved. Maximize your precious water resources by choosing Bradley.

Key Features

- SpinTec showerhead improves water distribution
- Stainless steel pull rod with triangular handle
- Stay-open ball valve
- BradTect coated galvanized steel pipe
- Horizontal/vertical: 1" (25 mm) water supply
- Freestanding: 1¼" (32 mm) water supply
- ANSI/ISEA Z358.1 certified models available
- One-year warranty

Emergency Fixture Facts

Bradley equips all ANSI-compliant emergency fixtures with a valve that will stay open until manually closed, allowing the user free use of their hands during an emergency. ANSI/ISEA Z358.1 Section 4.2

Suggested Accessories

Standard and Explosion-Proof Signaling Systems	page 54
Drench Hose Spray Kits	page 82
Freeze and Scald Protection Valves	page 84
Other parts and accessories	page 82

Recommended Emergency TMV

Navigator® EFX 20 (S19-2150)

The current ANSI standard calls for emergency Eyewashes and drench showers to deliver tepid water (60–100°F/ 15.5–37.7°C) for 15 minutes. A thermostatic mixing valve is needed to mix the hot and cold water supply. Bradley's Navigator® TMVs are the most reliable emergency TMVs on the market. One valve is required per plumbed unit.





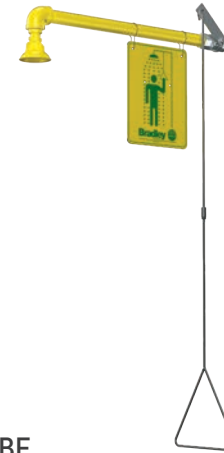
S19-120

Horizontal Drench Shower
 Galvanized steel protected with BradTect corrosion-resistant yellow coating
 Impact-resistant plastic showerhead
 UL classified to meet ANSI/ISEA Z358.1



S19-120SS

Same features as S19-120 except is an all stainless steel fixture
 Certified to ANSI/ISEA Z358.1



S19-120BF

Barrier-free
 Galvanized steel protected with BradTect corrosion-resistant yellow coating
 Impact-resistant plastic showerhead
 UL classified to meet ANSI/ISEA Z358.1



S19-130

Vertical Drench Shower
 Impact-resistant plastic showerhead
 UL classified to meet ANSI/ISEA Z358.1



S19-130SS

Same features as S19-130, except is an all stainless steel fixture
 UL classified to meet ANSI/ISEA Z358.1



FLOW CONTROLS

In the interest of water conservation, each shower head features an integral 20 GPM (76 L/Min) flow control. This item must be purchased separately for most competing brands.



FROST PROOF

Bradley features frost-proof emergency fixtures for when an adjacent outside wall of a heated building is available. They can also be free standing with a buried supply pipe. See your local plumbing codes for code compliance.



BARRIER FREE

Halo models are barrier-free. This provides ease of use for individuals with disabilities.



S19214 Series

Overview

Safety and maintenance personnel often select pedestal-mounted Eyewashes where a wall-mounted fixture is not practical due to site conditions. As a leading manufacturer of emergency fixtures, Bradley provides a variety of Eyewash solutions; barrier-free, frost-proof or stainless steel fixtures with a variety of different spray patterns. Committed to providing a strong value proposition, Bradley also offers complimentary safety inspections to facilities, providing expert advice about emergency fixture solutions.

Key Features

- Halo Eyewashes and eye/face washes provide the most washdown coverage available
- Exceed ANSI-mandated flow rates
- Universal activation
- BradTect coated galvanized steel pipe
- 1/2" (13 mm) water supply, 1/4" (32 mm) waste
- All pedestal-mounted units with Halo meet barrier-free requirements
- One-year warranty
- ANSI/ISEA Z358.1 certified models available

Emergency Fixture Facts

The emergency fixture must provide a continuous flow of flushing fluid. ANSI/ISEA Z358.1 Section 5.4.5, 6.4.5

Suggested Accessories

Standard and Explosion-Proof Signaling Systems	page 54
Drench Hose Spray Kits	page 82
Freeze and Scald Protection Valves	page 84
Retrofit Dust Cover Kits	page 89
Foot Treadle Kits	page 92
Other parts and accessories	page 82

Recommended Emergency TMV

Navigator EFX 8 (S19-2000)

The current ANSI standard calls for emergency Eyewashes and drench showers to deliver tepid water (60–100°F/15.5–37.7°C) for 15 minutes. A thermostatic mixing valve is needed to mix the hot and cold water supply. Bradley's Navigator TMVs are the most reliable emergency TMVs on the market. One valve is required per plumbed unit.

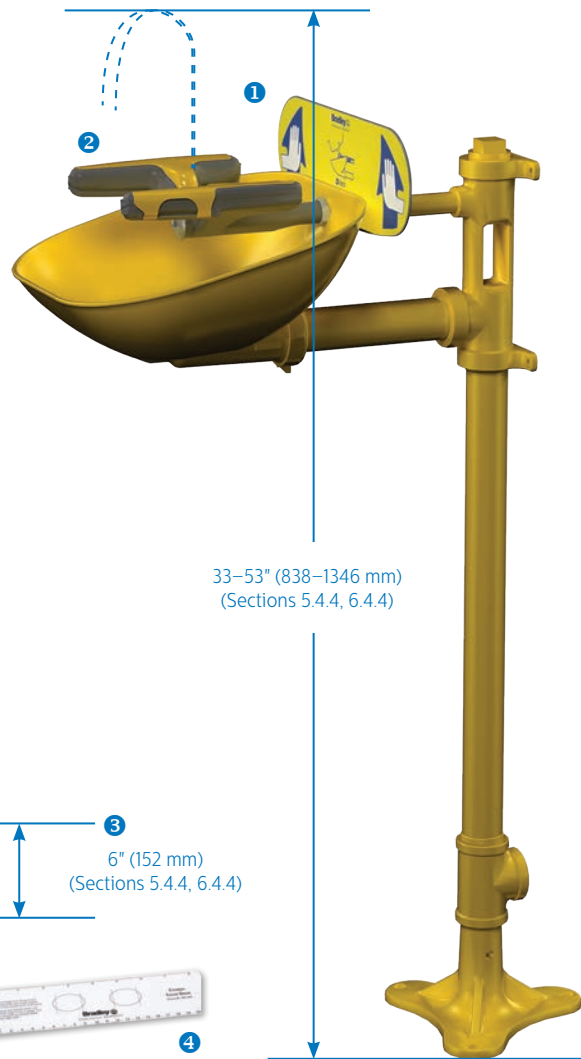


Don't see the product you are looking for? Go to page 23 to use the S19214 Configurator

Quick Compliance Guide

Eye and Eye/Face Wash Fixtures

- Valve mechanism opens in one second or less; it stays open until manually closed. (Sections 5.2, 6.2) **1**
- Supply with flushing fluid, (“potable water, preserved water, preserved buffered saline solution or other medically acceptable solution...”) Definitions, Sections 5.1.1, 6.1.1)
- Locate 10 seconds or 55’ (16.8 m) from contaminants or hazardous materials. Locate on the same plane as hazard and free of obstructions. (Sections 5.4.2, 6.4.2, Appendix B5)
- Must resist corrosion in the presence of flushing fluid. (Sections 5.1.5, 6.1.5) **2**
- Protect eye and eye/face wash heads from contaminants. (Sections 5.1.3, 6.1.3)
- Flow Rates: **Eyewash** unit delivers a minimum of .4 GPM (1.5 L/Min) for 15 minutes. (Section 5.1.6) **Eye/face wash** unit delivers a minimum of 3.0 GPM (11 L/Min) for 15 minutes. (Section 6.1.6)
- Use a flow meter to test flow rate; use a test gauge to test flow pattern. (Sections 5.1.8, 5.3.1, 6.1.7, 6.1.8, 6.3, 6.3.1)
- Audible, visual and central control signal systems deter vandalism and alert safety personnel. (Appendix B4)
- Environmental conditions often require freeze or scald protection equipment. (Sections 5.4.5, 6.4.5)



Top down view

Required to be free of obstructions a minimum of 6" (152 mm) from the outside of the eye or eye/face wash sprayheads. (Sections 5.4.4, 6.4.4) **3**

Use a Bradley test gauge (Model 269-1444) to check flow pattern. **4**

15-minute Flush	Tepid Water	Third-Party Certifications	Weekly Activations:	Annual Inspections
Compliant fixtures release a continuous flow of tepid flushing fluid for a minimum of 15 minutes. (Sections 5.1.6, 5.4.5, 5.4.6, 6.1.6, 6.4.5, 6.4.6)	(lukewarm) 60–100°F (15.6–37.8°C) encourages full 15 minute flush or until medical personnel arrive. (Definitions, Sections 5.4.6, 6.4.6, Appendix B6)	Manufacturers may have their safety fixtures independently evaluated by a third-party testing organization. Look for certification when selecting a compliant fixture. (Definitions)	Flush lines and test by activating weekly. Inspection tags are often included with fixtures to document testing and to satisfy a safety audit. (Sections 5.5.2, 6.5.2)	ANSI recommends a comprehensive annual inspection of the facility to evaluate modified work space, assess new hazards introduced into the area, and to identify fixtures needing replacement or repair. (Sections 5.5.2, 5.5.5, 6.5.2, 6.5.5)



S19214EW

Eyewash with plastic bowl
 Galvanized steel protected with BradTect
 corrosion-resistant yellow coating
 UL classified to meet ANSI/ISEA Z358.1



S19214B

Eyewash with stainless steel bowl
 Galvanized steel protected with BradTect
 corrosion-resistant yellow coating
 UL classified to meet ANSI/ISEA Z358.1



S19214PDC

Eyewash with plastic bowl and dust cover
 Galvanized steel protected with BradTect
 corrosion-resistant yellow coating
 UL classified to meet ANSI/ISEA Z358.1



S19214DC

Eyewash with stainless steel bowl and dust cover
 Galvanized steel protected with BradTect
 corrosion-resistant yellow coating
 UL classified to meet ANSI/ISEA Z358.1



S19214FW

Eye/face wash with plastic bowl
 Galvanized steel protected with BradTect
 corrosion-resistant yellow coating
 UL classified to meet ANSI/ISEA Z358.1



S19214Y

Eye/face wash with stainless steel bowl
 Galvanized steel protected with BradTect
 corrosion-resistant yellow coating
 UL classified to meet ANSI/ISEA Z358.1



S19214P

Eye/face wash with stainless steel bowl
8' (2.4 m) hand-held drench hose
attachment for body rinse
Galvanized steel protected with BradTect
corrosion-resistant yellow coating
UL classified to meet ANSI/ISEA Z358.1



S19214PDCFW

Eye/face wash plastic bowl and dust cover
Galvanized steel protected with BradTect
corrosion-resistant yellow coating
UL classified to meet ANSI/ISEA Z358.1



S19214DCFW

Eye/face wash stainless steel bowl and dust cover
Galvanized steel protected with BradTect
corrosion-resistant yellow coating
UL classified to meet ANSI/ISEA Z358.1



S19214BSS

All stainless steel fixture
UL classified to meet ANSI/ISEA Z358.1



S19214SS

All stainless steel fixture
Hand or foot operation
UL classified to meet ANSI/ISEA Z358.1



EYEWASHES

When the safety risk targets the eye area, Bradley's Eyewashes are the recommended solution for emergency care. The Eyewash sprayheads flow at approximately 5.1 GPM (19 L/Min), exceeding ANSI's 0.4 GPM (1.5 L/Min) flow rate. The flow gently flushes water directly on the eye to wash out contaminants.



EYE/FACE WASHES

When chemicals and other hazardous liquids can contaminate the face and eyes, an eye/face wash is the solution. Bradley's eye/face wash heads feature integral flow controls that provide a soft flush of approximately 5.1 GPM (19 L/Min). Eye/face washes are considered premium fixtures that exceed ANSI's 3.0 GPM (11 L/Min) mandate.



DUST COVERS

The most effective way to keep the unit clean and functioning properly is to have a dust cover over the eye or eye/face wash. See-through plastic dust covers provide effective dust protection, but also allow for easy inspection. These covers automatically open when the eye or eye/face wash is activated. Dust covers are available as standard equipment on many eye and eye/face washes, or can be ordered as a retrofit kit.



FOOT TREADLE

Foot treadles provide hands-free activation for eye and eye/face washes. Foot treadles are available as standard equipment on some eye and eye/face washes, or can be ordered as a retrofit kit.

S19214 Series Configurator

Don't see a model that meets your application? Use the selections below to build one to suit your needs. Select one option from each category. Fill in the squares below with the corresponding option letter or number. Use the resulting alphanumeric number to specify the model and configuration for your desired product.

1 Configuration



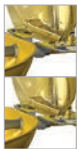
- B** 24 in (61 cm) Drain Height
- O** 6 in (15.2 cm) Drain Height, Standard

2 Pipe Material



- A** NPT †, Yellow BradTect Galvanized Steel, 1.25 in (32 mm)
- B** NPT †, All 304 Stainless Steel, 1.25 in (32 mm)
- C** NPT †, All 316 Stainless Steel,* 1.25 in (32 mm)
- D** NPT †, Chrome-Plated, 1.25 in (32 mm)
- F** BSPP †, Yellow BradTect Galvanized Steel, 1.25 in (32 mm)
- G** BSPP †, All 304 Stainless Steel, 1.25 in (32 mm)
- H** BSPP †, All 316 Stainless Steel, 1.25 in (32 mm)
- J** BSPP †, Chrome-Plated, 1.25 in (32 mm)

3 Ball Valve



- 1** Stay-Open Eyewash, Chrome-Plated Brass
- 2** Stay-Open Eyewash, 316 SS

4 Eyewash or Eye/Face Wash



- A** Halo Eyewash
- B** Halo Eye/Face Wash
- D** Halo Eyewash, 304 SS Yoke
- E** Halo Eye/Face Wash, 304 SS Yoke
- G** Halo Eyewash, 316 SS Yoke
- H** Halo Eye/Face Wash, 316 SS Yoke
- J** Halo 316 Stainless Eye/Face Wash, 316 SS Yoke**

5 Bowl and Dust Cover



- A** Plastic Bowl, No Dust Cover
- B** Plastic Bowl, Plastic Dust Cover
- D** 304 SS, No Dust Cover
- E** 304 SS, 304 SS Dust Cover
- F** 304 SS, Plastic Dust Cover
- G** 316 SS, No Dust Cover
- H** 316 SS, 316 SS Dust Cover
- J** 316 SS, Plastic Dust Cover
- O** No Bowl or Dust Cover

6 Activation



- A** 300 SS Handle
- B** 316 SS Handle
- C** 300 SS Handle with 300 SS Foot Pedal *
- D** 300 SS Handle with 316 SS Foot Pedal *
- E** 316 SS Handle with 316 SS Foot Pedal *

7 Drench Hose and Back-flow Prevention



- A** Drench Hose Kit with Vacuum Breaker
- B** Drench Hose Kit with N9 Back-flowPreventer
- C** Drench Hose Kit with 9D Back-flowPreventer
- D** Drench Hose Kit without Back-flowPreventer
- O** No Drench Hose and No Back-flowPrevention

8 Freeze and Scald Protection



- N** Anti-Freeze Valve
- P** Anti-Scald Valve
- R** Anti-Freeze and Anti-Scald Valves
- O** No Anti-Freeze Valve and No Anti-Scald Valve
- Z** Anti-Freeze and Anti-Scald Valve Ready

▶ NPT (National Pipe Thread).

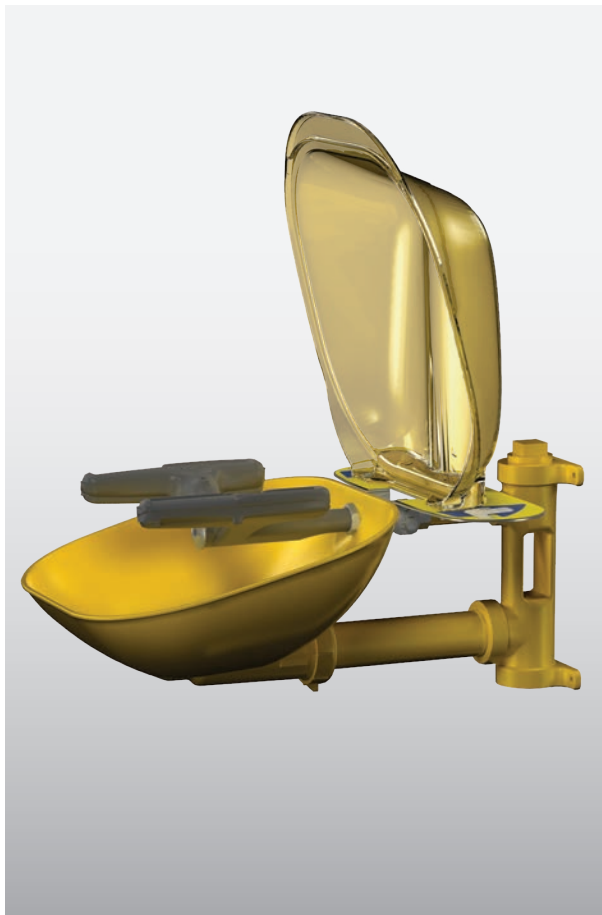
◊ BSPP (British Standard Pipe Parallel Threads)

* Not available with barrier-free configurations.

**Must select stainless steel pipe and ball valve when stainless steel eye/face wash is required.

Fill in 1 through 8 to specify the Halo model and configuration for your desired project:

	1	2	3	4	5	6	7	8
S	1	9	2	1	4			



S19224 series

Overview

Wall-mounted emergency units are classic fixtures that originated from safety's early days. The classic fixture evolved from a basic Eyewash model with little to no options, to the fixtures of today with standard high visibility, yellow corrosion-resistant coating, plastic and stainless steel dust covers, various flow rates and flow patterns to flush the most elusive contaminants from the face. Wall-mounted fixtures are among the most compact, versatile safety solutions on the market. They can be found in industrial facilities, airports, auto repair shops, food processing environments and paper mills to name a few.

Key Features

- Halo Eyewashes and eye/face washes provide the most washdown coverage available
- Dust cover protects fixture from dust and debris
- Fixtures exceed ANSI-mandated flow rates
- Single-step activation
- BradTect corrosion-resistant yellow coating
- Wall-mounted units with Halo meet barrier-free requirements
- ANSI/ISEA Z358.1 certified models available
- One-year warranty

Emergency Fixture Facts

An ANSI-compliant Eyewash provides 15-minutes of flushing fluid.
ANSI/ISEA Z358.1 Section 5.1.6, 6.1.6

Suggested Accessories

Standard and Explosion-Proof Signaling Systems	page 54
Drench Hose Spray Kits	page 82
Freeze and Scald Protection Valves	page 84
Retrofit Dust Cover Kits	page 89
Foot Treadle Kits	page 92
Other parts and accessories	page 82

Recommended Emergency TMV

Navigator EFX 8 (S19-2000)

The current ANSI standard calls for emergency Eyewashes and drench showers to deliver tepid water (60–100°F/15.5–37.7°C) for 15 minutes. A thermostatic mixing valve is needed to mix the hot and cold water supply. Bradley's Navigator TMVs are the most reliable emergency TMVs on the market. One valve is required per plumbed unit.



Don't see the product you are looking for? Go to page 32 to use the S19224 Configurator



S19224EW

Eyewash with plastic bowl
Galvanized steel protected with BradTect
corrosion-resistant yellow coating
UL classified to meet ANSI/ISEA Z358.1



S19224B

Eyewash with stainless steel bowl
Galvanized steel protected with BradTect
corrosion-resistant yellow coating
UL classified to meet ANSI/ISEA Z358.1



S19224PT

Eyewash with plastic bowl
Tailpiece and P-trap
Galvanized steel protected with BradTect
corrosion-resistant yellow coating
UL classified to meet ANSI/ISEA Z358.1



S19224BPT

Eyewash with stainless steel bowl
Tailpiece and P-trap
Galvanized steel protected with BradTect
corrosion-resistant yellow coating
UL classified to meet ANSI/ISEA Z358.1



S19224PDC

Eyewash with plastic bowl and dust cover
Galvanized steel protected with BradTect
corrosion-resistant yellow coating
UL classified to meet ANSI/ISEA Z358.1



S19224DC

Eyewash with stainless steel bowl and dust cover
Galvanized steel protected with BradTect
corrosion-resistant yellow coating
UL classified to meet ANSI/ISEA Z358.1



S19224DCPT

Eyewash with stainless steel bowl and dust cover
Tailpiece and P-trap

Galvanized steel protected with BradTect
corrosion-resistant yellow coating

UL classified to meet ANSI/ISEA Z358.1

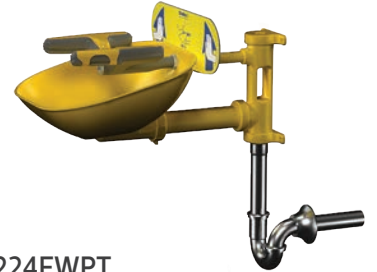


S19224FW

Eye/face Wash with plastic bowl

Galvanized steel protected with BradTect
corrosion-resistant yellow coating

UL classified to meet ANSI/ISEA Z358.1



S19224FWPT

Eye/face Wash with plastic bowl

Tailpiece and P-trap

Galvanized steel protected with BradTect
corrosion-resistant yellow coating

UL classified to meet ANSI/ISEA Z358.1



S19224T

Eye/face Wash with stainless steel bowl

Galvanized steel protected with BradTect
corrosion-resistant yellow coating

UL classified to meet ANSI/ISEA Z358.1



S19224P

Eye/face Wash with stainless steel bowl

8' (2.4 m) hand-held drench hose for body rinse

Galvanized steel protected with BradTect
corrosion-resistant yellow coating

UL classified to meet ANSI/ISEA Z358.1



S19224TPT

Eye/face Wash with stainless steel bowl

Tailpiece and P-trap

Galvanized steel protected with BradTect
corrosion-resistant yellow coating

UL classified to meet ANSI/ISEA Z358.1



S19224Y

Eye/face Wash with stainless steel bowl
 Hand or foot operation
 Galvanized steel protected with BradTect
 corrosion-resistant yellow coating
 UL classified to meet ANSI/ISEA Z358.1
 Unit is not Barrier-Free



S19224PDCFW

Eye/face Wash with plastic bowl and dust cover
 Galvanized steel protected with BradTect
 corrosion-resistant yellow coating
 UL classified to meet ANSI/ISEA Z358.1



S19224DCFW

Eye/face Wash with stainless
 steel bowl and dust cover
 Galvanized steel protected with BradTect
 corrosion-resistant yellow coating
 UL classified to meet ANSI/ISEA Z358.1



S19224DCRPT

Eye/face Wash with stainless
 steel bowl and dust cover
 Tailpiece and P-trap
 Galvanized steel protected with BradTect
 corrosion-resistant yellow coating
 UL classified to meet ANSI/ISEA Z358.1



S19224SC

All stainless steel fixture
 Hinged dust cover
 UL classified to meet ANSI/ISEA Z358.1



S19224SS

All stainless steel fixture
 UL classified to meet ANSI/ISEA Z358.1



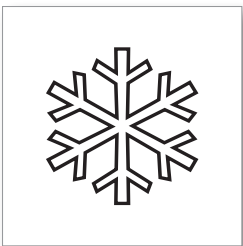
EYE AND EYE/FACE WASH BOWLS

Bradley's eye and eye/face wash bowls come in two different materials – plastic and stainless steel. The high-visibility plastic bowls are intended for general use. The impact-resistant plastic will stand up to regular wear and tear. For the most durable bowl, select stainless steel bowls for rugged environments, where impact and corrosion could be a problem.



DUST COVERS

The most effective way to keep the unit clean and functioning properly is to have a dust cover over the eye or eye/face wash. See-through plastic dust covers provide effective dust protection, but also allow for easy inspection. These covers automatically open when the eye or eye/face wash is activated. Dust covers are available as standard equipment on many eye and eye/face washes, or can be ordered as a retrofit kit.



FROST PROOF

Bradley features frost-proof emergency fixtures for when an adjacent outside wall of a heated building is available. They can also be free standing with a buried supply pipe. See your local plumbing codes for code compliance.



BARRIER FREE

Halo models are barrier-free. This provides ease of use for individuals with disabilities.

S19224 Series Configurator

Don't see a model that meets your application? Use the selections below to build one to suit your needs. Select one option from each category. Fill in the squares below with the corresponding option letter or number. Use the resulting alphanumeric number to specify the model and configuration for your desired product.

1 Configuration



- 0 Standard Wall Mount

2 Pipe Material



- A NPT †, Yellow BradTect Galvanized Steel, 1.25 in (32 mm)
- B NPT †, All 304 Stainless Steel, 1.25 in (32 mm)
- C NPT †, All 316 Stainless Steel,* 1.25 in (32 mm)
- D NPT †, Chrome-Plated, 1.25 in (32 mm)
- F BSPP †, Yellow BradTect Galvanized Steel, 1.25 in (32 mm)
- G BSPP †, All 304 Stainless Steel, 1.25 in (32 mm)
- H BSPP †, All 316 Stainless Steel,* 1.25 in (32 mm)
- J BSPP †, Chrome-Plated, 1.25 in (32 mm)

3 Ball Valve



- 1 Stay-Open Eyewash, Chrome-Plated Brass
- 2 Stay-Open Eyewash, 316 SS

4 Eyewash or Eye/Face Wash



- A Halo Eyewash
- B Halo Eye/Face Wash
- D Halo Eyewash, 304 SS Yoke
- E Halo Eye/Face Wash, 304 SS Yoke
- G Halo Eyewash, 316 SS Yoke
- H Halo Eye/Face Wash, 316 SS Yoke
- J Halo 316 Stainless Eye/Face Wash, 316 SS Yoke **

5 Bowl and Dust Cover



- A Plastic Bowl, No Dust Cover
- B Plastic Bowl, Plastic Dust Cover
- D 304 SS, No Dust Cover
- E 304 SS, 304 SS Dust Cover
- F 304 SS, Plastic Dust Cover
- G 316 SS, No Dust Cover
- H 316 SS, 316 SS Dust Cover
- J 316 SS, Plastic Dust Cover
- O No Bowl or Dust Cover

6 Activation



- A 300 SS Handle
- B 316 SS Handle
- D 300 SS Handle with 300 SS Foot Pedal *

7 Waste



- A Tail-piece
- D P-trap
- O No Waste

8 Drench Hose and Back-flow Prevention



- A Drench Hose Kit with Vacuum Breaker
- B Drench Hose Kit with N9 Back-flow Preventer
- C Drench Hose Kit with 9D Back-flow Preventer
- D Drench Hose Kit without Back-flow Preventer
- O No Drench Hose and No Back-flow Prevention

9 Freeze and Scald Protection



- N Anti-Freeze Valve
- P Anti-Scald Valve
- R Anti-Freeze and Anti-Scald Valves
- O No Anti-Freeze Valve and No Anti-Scald Valve
- Z Anti-Freeze and Anti-Scald Valve Ready

‡ NPT (National Pipe Thread).

† BSPP (British Standard Pipe Parallel Threads)

* Not available with barrier-free configurations.

**Must select stainless steel pipe and ball valve when stainless steel eye/face wash is required.

Fill in 1 through 8 to specify the Halo model and configuration for your desired project:

S	1	9	2	2	4	1	2	3	4	5	6	7	8
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S19314 Series

Overview

Bradley's S19314 Series is the most complete safety fixture on the market. The drench shower provides full-body relief from contamination, and the eye or eye/face wash targets those areas of the body where a gentle spray of water is optimal.

Key Features

- Halo Eyewashes and eye/face washes provide the most washdown coverage available
- SpinTec showerhead improves water distribution
- Stay-open ball valve with single-step activation
- Triangular stainless steel pull rod
- BradTect corrosion-resistant yellow coating (except on stainless steel, PVC and chrome models)
- Frost-proof and barrier-free models available
- Universal ID sign
- Top- or mid-level supply standard on all drench showers and combination units
- Integrated eye or eye/face wash with capped Eyewash heads
- One-year warranty
- 1¼" (32 mm) NPT inlet
- Single-step eye or eye/face wash activation
- Single-step drench shower activation
- ANSI/ISEA Z358.1 certified models available

Emergency Fixture Facts

Locate safety fixtures 10 seconds or 55' (16.8 m) from a hazardous area. ANSI/ISEA Z358.1 Section 7.4.2, Appendix B5

Suggested Accessories

Standard and Explosion-Proof Signaling Systems	page 54
Drench Hose Spray Kits	page 82
Freeze and Scald Protection Valves	page 84
Retrofit Dust Cover Kits	page 89
Foot Treadle Kits	page 92
Other parts and accessories	page 82



Recommended Emergency TMV

Navigator® EFX 20 (S19-2150)

The current ANSI standard calls for emergency Eyewashes and drench showers to deliver tepid water (60–100°F/ 15.5–37.7°C) for 15 minutes. A thermostatic mixing valve is needed to mix the hot and cold water supply. Bradley's Navigator® TMVs are the most reliable emergency TMVs on the market. One valve is required per plumbed unit.



Don't see the product you are looking for? Go to page 43 to use the S19314 Configurator

Quick Compliance Guide

Combination Drench Shower, Eye and Eye/Face Washes

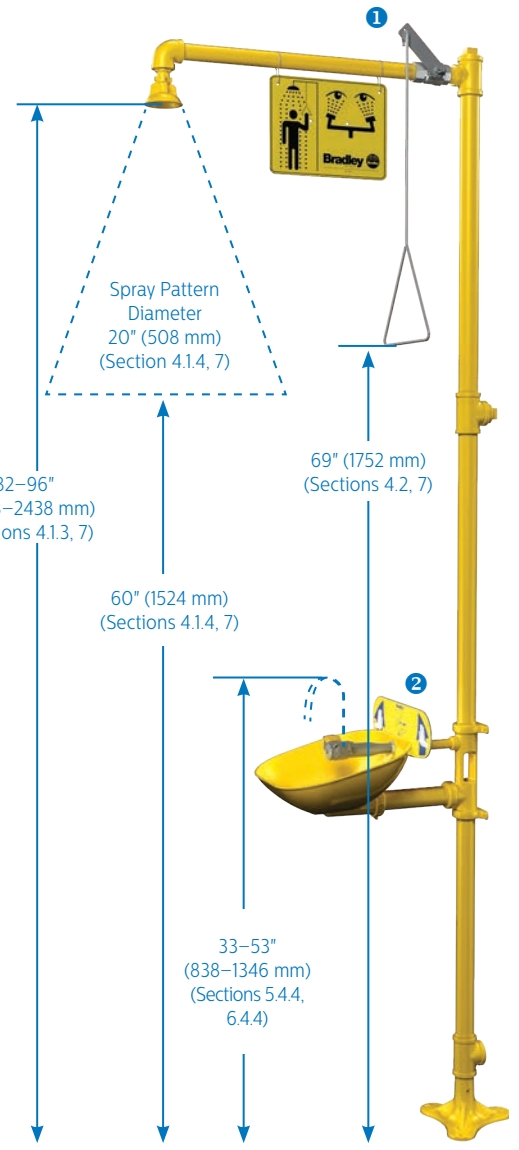
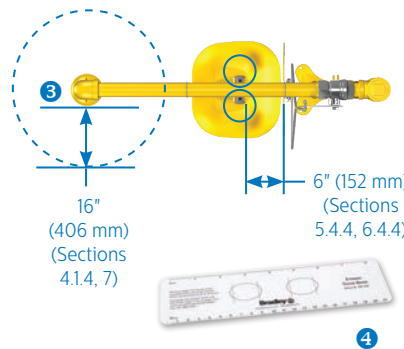
- Valve mechanism opens in one second or less; it stays open until manually closed. (Sections 4.2, 5.2, 6.2, 7.1.1, 7.1.2, 7.1.3) **1**
- Drench shower and eye or eye/face wash must operate simultaneously. (Section 7.4.4)
- Supply with flushing fluid (“potable water, preserved water, preserved buffered saline solution or other medically acceptable solution...”). (Definitions, Sections 4.1.1, 4.4.1, 5.1.1, 6.1.1, 7.1.2, 7.1.3)
- Locate 10 seconds or 55’ (16.8 m) from contaminants or hazardous materials. Locate on same plane as the hazard, free of obstructions. (Sections 4.5.2, 5.4.2, 6.4.2, 7.1.1, 7.1.2, 7.1.3, 7.4.2, Appendix B5) **2**
- Must resist corrosion in the presence of flushing fluid (Sections 4.1.5, 5.1.5, 6.1.5, 7.1.1, 7.1.2, 7.1.3)
- Protect eye and eye/face wash heads from contaminants. (Sections 5.1.3, 6.1.3, 7.1.2, 7.1.3)
- Flow Rates: **Eyewash** unit delivers a minimum of .4 GPM (1.5 L/Min) for 15 minutes. (Section 5.1.6)
Eye/face wash unit delivers a minimum of 3.0 GPM (11 L/Min) for 15 minutes. (Section 6.1.6)
- Use flow meter to check flow rate; use test gauge to test flow pattern. (Sections 5.1.8, 5.3.1, 6.1.7, 6.3, 7.1.2, 7.1.3)
- Environmental conditions often require freeze or scald protection equipment. (Sections 4.5.5, 5.4.5, 6.4.5, 7.1.1, 7.1.2, 7.1.3)

Top down view

Requires a 16" (406 mm) radius from the center of the drench shower spray pattern to be free of obstructions. (Sections 4.1.4, 7.1.1) **3**

Required to be free of obstructions a minimum of 6" (152 mm) from the outside of the eye or eye/face wash sprayheads. (Sections 5.4.4, 6.4.4, 7.1.2, 7.1.3)

Use a Bradley test gauge (Model 269-1444) to check flow pattern. **4**



15-minute Flush	Tepid Water	Third-Party Certifications	Weekly Activations:	Annual Inspections
Compliant showers release a continuous flow of at least 20 GPM (76 L/Min) of tepid flushing fluid for a period of at least 15 minutes. (Sections 4.1.4, 4.4.1, 4.5.5, 4.5.6, 7.1.1) Compliant eye or eye/face wash fixture releases a continuous flow of flushing fluid for a minimum of 15 minutes. (Sections 5.1.6, 5.4.5, 5.4.6, 6.1.6, 6.4.5, 6.4.6, 7.1.2, 7.1.3)	(lukewarm) 60–100°F (15.6–37.8°C) encourages full 15-minute flush or until medical personnel arrive. (Definitions, Sections 4.5.6, 5.4.6, 6.4.6, Appendix B6)	Manufacturers may have their safety fixtures independently evaluated by a third-party testing organization. Look for certification when selecting a compliant fixture. (Definitions)	Flush lines and test by activating weekly. Inspection tags are often included with fixtures to document testing and to satisfy a safety audit. (Sections 4.6.2, 5.5.2, 6.5.2, 7.5.2)	ANSI recommends a comprehensive annual inspection of the facility to evaluate modified work space, assess new hazards introduced into the area, and to identify fixtures needing replacement or repair. (Section 7.5.5) (Section 4.6.5)



S19314EW

Eyewash with plastic showerhead and bowl
Galvanized steel protected with BradTect corrosion-resistant yellow coating
Eyewash exceeds minimum water flow of 0.4 GPM (1.5 L/Min) at 30 psi (207 kPa)
UL classified to meet ANSI/ISEA Z358.1



S19314SB

Eyewash with plastic showerhead and stainless steel bowl
Galvanized steel protected with BradTect corrosion-resistant yellow coating
Eyewash exceeds minimum water flow of 0.4 GPM (1.5 L/Min) at 30 psi (207 kPa)
UL classified to meet ANSI/ISEA Z358.1



S19314LL

Eyewash with plastic showerhead and stainless steel bowl
Hand or foot operation for Eyewash
Galvanized steel protected with BradTect corrosion-resistant yellow coating
Eyewash exceeds minimum water flow of 0.4 GPM (1.5 L/Min) at 30 psi (207 kPa)
UL classified to meet ANSI/ISEA Z358.1



S19314F

Eyewash with plastic showerhead with stainless steel shroud and stainless steel bowl
Galvanized steel protected with BradTect corrosion-resistant yellow coating
Eyewash exceeds minimum water flow of 0.4 GPM (1.5 L/Min) at 30 psi (207 kPa)
UL classified to meet ANSI/ISEA Z358.1



S19314UU

Eyewash with plastic showerhead with stainless steel shroud and stainless steel bowl
Hand or foot operation for Eyewash
Galvanized steel protected with BradTect corrosion-resistant yellow coating
Eyewash exceeds minimum water flow of 0.4 GPM (1.5 L/Min) at 30 psi (207 kPa)
UL classified to meet ANSI/ISEA Z358.1



S19314PDC

Eyewash with plastic showerhead, bowl and dust cover
Galvanized steel protected with BradTect corrosion-resistant yellow coating
Eyewash exceeds minimum water flow of 0.4 GPM (1.5 L/Min) at 30 psi (207 kPa)
UL classified to meet ANSI/ISEA Z358.1



S19314DC

Eyewash with plastic showerhead and stainless steel bowl and dust cover
 Galvanized steel protected with BradTect corrosion-resistant yellow coating
 Eyewash exceeds minimum water flow of 0.4 GPM (1.5 L/Min) at 30 psi (207 kPa)
 UL classified to meet ANSI/ISEA Z358.1



S19314FW

Eye/face Wash with plastic showerhead and bowl
 Dual eye/face wash
 Galvanized steel protected with BradTect corrosion-resistant yellow coating
 Eye/face wash exceeds minimum water flow of 3 GPM (11 L/Min) at 30 psi (207 kPa)
 UL classified to meet ANSI/ISEA Z358.1



S19314SBFW

Eye/face Wash with plastic showerhead and stainless steel bowl
 Dual eye/face wash
 Galvanized steel protected with BradTect corrosion-resistant yellow coating
 Eye/face wash exceeds minimum water flow of 3 GPM (11 L/Min) at 30 psi (207 kPa)
 UL classified to meet ANSI/ISEA Z358.1



S19314AC

Eye/face Wash with Plastic showerhead and stainless steel bowl
 Hand or foot operation for eye/face wash
 Dual eye/face wash
 Galvanized steel protected with BradTect corrosion-resistant yellow coating
 Eye/face wash exceeds minimum water flow of 3 GPM (11 L/Min) at 30 psi (207 kPa)
 UL classified to meet ANSI/ISEA Z358.1



S19314TT

Eye/face Wash with plastic showerhead with stainless steel shroud and stainless steel bowl
 Dual eye/face wash
 Galvanized steel protected with BradTect corrosion-resistant yellow coating
 Eye/face wash exceeds minimum water flow of 3 GPM (11 L/Min) at 30 psi (207 kPa)
 UL classified to meet ANSI/ISEA Z358.1



S19314SPR

Eye/face Wash with stainless steel showerhead and bowl
 Hand or foot operation for eye/face wash
 Dual eye/face wash
 Galvanized steel protected with BradTect corrosion-resistant yellow coating
 Eye/face wash exceeds minimum water flow of 3 GPM (11 L/Min) at 30 psi (207 kPa)
 UL classified to meet ANSI/ISEA Z358.1



S19314BFPB



Eye/face Wash with plastic showerhead and bowl
 Barrier-free design – fully accessible to people with physical disabilities
 Dual eye/face wash
 Galvanized steel protected with BradTect corrosion-resistant yellow coating
 Eye/face wash exceeds minimum water flow of 3 GPM (11 L/Min) at 30 psi (207 kPa)
 UL classified to meet ANSI/ISEA Z358.1



S19314BF



Eye/face Wash with plastic showerhead and stainless steel bowl
 Barrier-free design – fully accessible to people with physical disabilities
 Dual eye/face wash
 Galvanized steel protected with BradTect corrosion-resistant yellow coating
 Eye/face wash exceeds minimum water flow of 3 GPM (11 L/Min) at 30 psi (207 kPa)
 UL classified to meet ANSI/ISEA Z358.1



S19314PDCFW

Eye/face Wash with plastic showerhead, bowl and dust cover
 Dual eye/face wash
 Galvanized steel protected with BradTect corrosion-resistant yellow coating
 Eye/face wash exceeds minimum water flow of 3 GPM (11 L/Min) at 30 psi (207 kPa)
 UL classified to meet ANSI/ISEA Z358.1



S19314DCFW

Eye/face with plastic showerhead and stainless steel bowl and dust cover
 Galvanized steel protected with BradTect corrosion-resistant yellow coating
 Eye/face wash exceeds minimum water flow of 3 GPM (11 L/Min) at 30 psi (207 kPa)
 UL classified to meet ANSI/ISEA Z358.1



S19314DCBF



Eye/face with plastic showerhead and stainless steel bowl and dust cover
 Barrier-free design – fully accessible to people with physical disabilities
 Dual eye/face wash
 Galvanized steel protected with BradTect corrosion-resistant yellow coating
 Eye/face wash exceeds minimum water flow of 3 GPM (11 L/Min) at 30 psi (207 kPa)
 UL classified to meet ANSI/ISEA Z358.1



S19314GG

Eye/face Wash with plastic showerhead and no bowl
 Galvanized steel protected with BradTect corrosion-resistant yellow coating
 Eye/face wash exceeds minimum water flow of 3 GPM (11 L/Min) at 30 psi (207 kPa)
 UL classified to meet ANSI/ISEA Z358.1



S19-310TW

Eyewash with plastic showerhead and no bowl
 Through-wall design
 Galvanized steel protected with BradTect corrosion-resistant yellow coating
 Available in three wall thicknesses:
 S19-310TW8 0–8" (0–203 mm)
 S19-310TW12 8–12" (203–305 mm) – standard
 S19-310TW18 12–18" (305–457 mm)
 UL classified to meet ANSI/ISEA Z358.1



S19314BFSS

Eye/face Wash all stainless steel fixture
 Barrier-free design – fully accessible to people with physical disabilities
 Corrosion-resistant for harsh environments
 Bradley's stainless steel emergency fixtures are recommended for harsh environments
 UL classified to meet ANSI/ISEA Z358.1



S19314FSS

Eye/face Wash all stainless steel fixture
 Bradley's stainless steel emergency fixtures are recommended for harsh environments
 Eye/face wash exceeds minimum water flow of 3 GPM (11 L/Min) at 30 psi (207 kPa)
 UL classified to meet ANSI/ISEA Z358.1



S19314SC

Eye/face Wash all stainless steel fixture
 Bradley's stainless steel emergency fixtures are recommended for harsh environments
 Eye/face wash exceeds minimum water flow of 3 GPM (11 L/Min) at 30 psi (207 kPa)
 UL classified to meet ANSI/ISEA Z358.1



S19314SS

Eye/face Wash all stainless steel fixture
 Hand or foot operation for eye/face wash
 Bradley's stainless steel emergency fixtures are recommended for harsh environments
 Eye/face wash exceeds minimum water flow of 3 GPM (11 L/Min) at 30 psi (207 kPa)
 UL classified to meet ANSI/ISEA Z358.1



S19314SS16

Eye/face Wash all stainless steel fixture
 Fixture is all type 316 corrosion-resistant stainless steel for harsh environments
 Bradley's stainless steel emergency fixtures are recommended for harsh environments
 Eye/face wash exceeds minimum water flow of 3 GPM (11 L/Min) at 30 psi (207 kPa)
 UL classified to meet ANSI/ISEA Z358.1



S19-310PVC

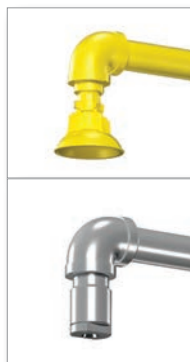
Eye/face Wash with plastic showerhead and bowl

Corrosion-resistant schedule 80PVC

Stainless steel valve fittings

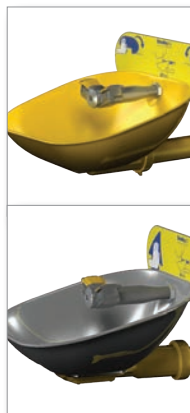
Eye/face wash exceeds minimum water flow of 3 GPM (11 L/Min) at 30 psi (207 kPa)

UL classified to meet ANSI/ISEA Z358.1



DRENCH SHOWERHEADS

Bradley's drench showers are available with either a plastic or stainless steel showerhead. The plastic showerheads are high-visibility yellow and made of impact-resistant material. For the most durable showerhead, select stainless steel which stands up to corrosion and aggressive impact.



EYE AND EYE/FACE WASH BOWLS

Bradley's eye and eye/face wash bowls come in two different materials – plastic and stainless steel. The high-visibility plastic bowls are intended for general use. The impact-resistant plastic will stand up to regular wear and tear. For the most durable bowl, select stainless steel bowls for rugged environments, where impact and corrosion could be a problem.



DUST COVERS

The most effective way to keep the unit clean and functioning properly is to have a dust cover over the eye or eye/face wash. See-through plastic dust covers provide effective dust protection, but also allow for easy inspection. These covers automatically open when the eye or eye/face wash is activated. Dust covers are available as standard equipment on many eye and eye/face washes, or can be ordered as a retrofit kit.



FOOT TREADLE

Foot treadles provide hands-free activation for eye and eye/face washes. Foot treadles are available as standard equipment on some eye and eye/face washes, or can be ordered as a retrofit kit.



FLOW CONTROLS

In the interest of water conservation, each shower head features an integral 20 GPM (76 L/Min) flow control. This item must be purchased separately for most competing brands.

S19314 Series Configurator

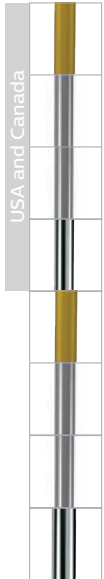
Don't see a model that meets your application? Use the selections below to build one to suit your needs. Select one option from each category. Fill in the squares below with the corresponding option letter or number. Use the resulting alphanumeric number to specify the model and configuration for your desired product.

1 Configuration



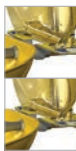
- A 6 in (15.2 cm) Drain Height, Barrier Free
- B 24 in (61 cm) Drain Height
- C 24 in (61 cm) Drain Height, Barrier-Free
- O 6 in (15.2 cm) Drain Height, Standard

2 Pipe Material



- A NPT*, Yellow BradTect Galvanized Steel, 1.25 in (32 mm)
- B NPT*, All 304 Stainless Steel, 1.25 in (32 mm)
- C NPT*, All 316 Stainless Steel*, 1.25 in (32 mm)
- D NPT*, Chrome-Plated, 1.25 in (32 mm)
- F BSPP®, Yellow BradTect Galvanized Steel, 1.25 in (32 mm)
- G BSPP®, All 304 Stainless Steel, 1.25 in (32 mm)
- H BSPP®, All 316 Stainless Steel, 1.25 in (32 mm)
- J BSPP®, Chrome-Plated, 1.25 in (32 mm)

3 Ball Valve



- 1 Stay-Open Shower and Eyewash, Chrome-Plated Brass
- 2 Stay-Open Shower and Eyewash, 316 SS

4 Showerhead



- A Plastic Showerhead, 3.1 in (7.9 cm) diameter Standard
- B Plastic Showerhead, 10 in (25.4 cm) diameter Plastic Shroud
- C Plastic Showerhead, 10.75 in (27.3 cm) diameter Stainless Steel Shroud
- D 304 SS High Performance Showerhead, 1.5 in (3.8 cm) diameter
- E 316 SS High Performance Showerhead, 1.5 in (3.8 cm) diameter

5 Eyewash or Eye/Face Wash



- A Halo Eyewash
- B Halo Eye/Face Wash
- D Halo Eyewash, 304 SS Yoke
- E Halo Eye/Face Wash, 304 SS Yoke
- G Halo Eyewash, 316 SS Yoke
- H Halo Eye/Face Wash, 316 SS Yoke
- J Halo 316 Stainless Eye/Face Wash, 316 SS Yoke***

6 Bowl and Dust Cover



- A Plastic Bowl, No Dust Cover
- B Plastic Bowl, Plastic Dust Cover
- D 304 SS, No Dust Cover
- E 304 SS, 304 SS Dust Cover
- F 304 SS, Plastic Dust Cover
- G 316 SS, No Dust Cover
- H 316 SS, 316 SS Dust Cover
- J 316 SS, Plastic Dust Cover
- O No Bowl or Dust Cover

7 Activation



- A 300 SS Handle
- B 316 SS Handle
- C 300 SS Handle with 300 SS Foot Pedal *
- D 300 SS Handle with 316 SS Foot Pedal *
- E 316 SS Handle with 316 SS Foot Pedal *

8 Drench Hose and Back-flow Prevention



- A Drench Hose Kit with Vacuum Breaker
- B Drench Hose Kit with N9 Back-flow Preventer
- C Drench Hose Kit with 9D Back-flow Preventer
- D Drench Hose Kit without Back-flow Preventer
- O No Drench Hose and No Back-flow Prevention
- Z Drench Hose Ready

9 Freeze and Scald Protection



- N Anti-Freeze Valve
- P Anti-Scald Valve
- R Anti-Freeze and Anti-Scald Valves
- O No Anti-Freeze Valve and No Anti-Scald Valve
- Z Anti-Freeze and Anti-Scald Valve Ready

► NPT (National Pipe Thread).

◊ BSPP (British Standard Pipe Parallel Threads)

* Not available with barrier-free configurations.

** Self-closing valves are not ANSI/ISEA Z358.1 compliant.

***Must select stainless steel pipe and ball valve when stainless steel eye/face wash is required.

Fill in 1 through 9 to specify the Halo model and configuration for your desired project:

	1	2	3	4	5	6	7	8	9
S	1	9	3	1	4				



Model S19-304GATL
General Area with
Indicator Lights

S19-304 Series

Overview

Bradley Heat Trace Showers are engineered to ensure water doesn't freeze in the fixture, down to -50°F (-46°C). These durable freeze protected showers help keep employees safe in extreme, frigid environments. The high-visibility fixture is insulated and covered by a yellow plastic shell, it features an integral freeze protection bleed valve, and is electrically rated for use in General Area, Class I Division 2, Class I Division 1, and Class II Division 1 and 2 locations.

Heat trace fixtures are available with an optional signaling system, indicator light, extension cable, drench hose, stainless steel material, and anti-scald valve.

Key Features

- General area and hazardous location models
- Freeze protection valve ensures continual flow of water should power fail
- SpinTec showerhead improves water distribution
- Halo Eyewash technology delivers the most effective washdown coverage
- Bowl and dust cover always included
- Classified by Underwriters Laboratories Inc to ANSI Z358.1

Emergency Fixture Facts

In geographic areas where an emergency fixture may freeze, safety personnel should consider purchasing a freeze-protected fixture or additional accessories to prevent the pipes from freezing. ANSI/ISEA Z358.1 Section 6.4.5

Recommended Emergency TMV

Navigator® EFX 20 (S19-2150)

The current ANSI standard calls for emergency Eyewashes and drench showers to deliver tepid water ($60\text{--}100^{\circ}\text{F}$ / $15.5\text{--}37.7^{\circ}\text{C}$) for 15 minutes. A thermostatic mixing valve is needed to mix the hot and cold water supply. Bradley's Navigator® TMVs are the most reliable emergency TMVs on the market. One valve is required per plumbed unit.





S19-304GAT

For use in general areas where temperatures fall below freezing
 120 VAC protects until from freezing down to -50° F (-46°C)
 1 ¼" NPT (top supply)
 1 ¼" galvanized steel pipe
 3.1" (78.7mm) diameter, impact-resistant plastic SpinTec Showerhead
 Halo Eye/Face Wash
 ABS Plastic Halo Eye/Face Wash
 Ergonomic hand activation Eyewash paddle

S19-304GAB

Same features as S19-304GAT except with bottom water supply



S19-304GATL

For use in general areas where temperatures fall below freezing
 120 VAC protects until from freezing down to -50° F (-46°C)
 1 ¼" NPT (top supply)
 1 ¼" galvanized steel pipe
 3.1" (78.7mm) diameter, impact-resistant plastic SpinTec Showerhead
 Halo Eye/Face Wash
 ABS Bowl and dust cover (transparent cover)
 Ergonomic hand activation Eyewash paddle
 General Area Indicator Lights

S19-304GABL

Same features as S19-304GATL except with bottom water supply



S19-304D2T

For use in Class I Division 2 areas where temperatures fall below freezing
 120 VAC protects until from freezing down to -50° F (-46°C)
 1 ¼" NPT (top supply)
 1 ¼" galvanized steel pipe
 3.1" (78.7mm) diameter, impact-resistant plastic SpinTec Showerhead
 Halo Eye/Face Wash
 ABS Plastic Halo Eye/Face Wash
 Ergonomic hand activation Eyewash paddle

S19-304D2B

Same features as S19-304GAT except with bottom water supply



S19-304D2TL

For use in Class I Division 2 areas where temperatures fall below freezing
 120 VAC protects until from freezing down to -50° F (-46°C)
 1 ¼" NPT (top supply)
 1 ¼" galvanized steel pipe
 3.1" (78.7mm) diameter, impact-resistant plastic SpinTec Showerhead
 Halo Eye/Face Wash
 ABS Plastic Halo Eye/Face Wash
 Ergonomic hand activation Eyewash paddle
 Class I Division 2 Indicator Lights

S19-304D2BL

Same features as S19-304D2TL except with bottom water supply

S19-304 SERIES FEATURES

- Electric heat trace cable:
 - Thermal rating 5 watts/foot
 - Self regulated to -50°F (-45.5°C)
 - Protects against overheating and cold spots
- ¾" (19 mm) polyethylene pipe insulation
- Insulated and covered by high-visibility yellow ABS plastic shell
 - Easy to maintain
 - Six easy-to-remove sections
- NEMA 4X rated electrical enclosure
- Signaling Systems can be easily added to all units
- Thermostat opens at 64°F (18°C) and closes at 54°F (12°C)
- Four-hub, aluminum junction box accepts ¾" (19 mm) conduit for hazardous locations
- Plastic junction box with one extra ¾" conduit hole for General Area locations
- Freeze valve opens at 35°F (2°C) internal water temperature to prevent freezing
- Stainless steel pull rod with triangular handle
- Chrome-plated brass, stay-open ball valve
- ½" (13 mm) Eyewash valve
- 1" (25 mm) shower valve
- UL Plumbing listed to meet ANSI/ISEA Z358.1
- CSA electrical certification for use in United States and Canada (CCSAus)

Standard selections are in bold. Selection should be made in each category.

Incoming supply (top or bottom) must be indicated.

ELECTRICAL CLASS

- GA General Area
- D2 Class I Div 2 – Groups B, C, D**
- D1 Class I Div 1 – Groups C, D
- C2 Class II Div 1 and 2 – Groups E, F & G

VOLTAGE

- V1 120V**
- V4 240V

WATER SUPPLY

- T Top Supply
- B Bottom Supply

PIPE AND BALL VALVE MATERIAL

- GLV Galvanized Pipe and Chrome-Plated Brass Ball Valve**
- 304 304SS Pipe, 316 SS Ball Valve
- 316 316SS Pipe, 316 SS Ball Valve

SHOWERHEAD

- SH ABS Plastic Showerhead**
- SHP ABS Plastic Showerhead with Plastic Shroud
- SHS ABS Plastic Showerhead with SS Shroud
- S04 304 SS Showerhead
- S16 316 SS Showerhead

EYEWASH

- EW ABS Plastic Eyewash Only Aluminum Yoke
- FW ABS Plastic Eye/Face Wash, Aluminum Yoke**
- F16 316 SS Eye/Face Wash, 316 SS Yoke*

BOWL AND COVER

- PP Plastic Bowl and Cover**
- B04 304 SS Bowl and Cover
- P04 304 SS Bowl and Plastic Cover
- B16 316 SS Bowl and Cover
- P06 16 SS Bowl and Plastic Cover

ACTIVATION

- HA 300 Series Handle Activation**
- H16 316 SS Handle Activation
- HF 300 Series Handle & Foot Activation
- HF16 316SS Handle and Foot Activation

INDICATOR LIGHT

- O No Light**
- L General Area Light
- D2L Class I, Division 2 Light
- D1L Class I, Division 1 Light
- C2L Class II Light

DRENCH HOSE

- O No Drench Hose**
- H Drench Hose

ANTI-SCALD VALVE

- O No Anti-Scald Valve**
- S Anti-Scald Valve

EXTENSION CABLE

- O No Extension Cable**
- E Extension Cable

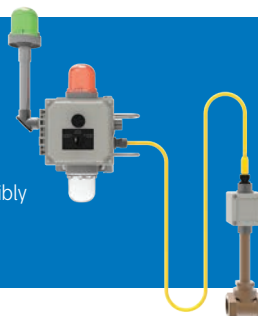
*Must select stainless steel yoke if ordering 304 or 316 stainless steel pipe.

Additional product information, including Technical Data and Installation Instructions, are available online at bradleycorp.com

Recommended Option:

S19-324 Series Signaling Systems (pg 54)

According to ANSI guidelines, audible signaling systems may be a desirable accessory to audibly or electronically alert safety personnel that an emergency occurred. (ANSI/ISEA Z358.1)



INDOOR & OUTDOOR MODELS

Overview

Protect your people from extreme environments with a customized safety solution. Turnkey shower, Eyewash and drench hose systems offer an injured party a humane triage experience. Enclosed safety systems address the physical and psychological needs of the injured party by providing privacy, delivering warm water, warm ambient temperature and a shelter from the elements. Armed with a fire-rated insulated fiberglass structure, tepid water delivery capabilities, and reliable chemical and corrosion resistance, Bradley's enclosed safety shower provides superior washdown capability in emergency situations, while withstanding harsh chemicals.

Key Features

- Innovative drenching technology featuring:
 - SpinTec showerhead for improved water distribution
 - Halo rinsing platform
- **Superior design standards:**
 - Fiberglass-Reinforced Plastic
 - R-8 insulation rating
 - Indoor and Outdoor models
- **Premium features come standard:**
 - Integral drain
 - Portable
 - Drench hose
- Flame-retardant resin with a Class 1 Flame Spread Index per ASTM E-84
- 100% fiberglass surround construction highly resistant to chemicals and corrosion
- Ideal for both indoor and outdoor applications
- Custom engineered systems available

Emergency Fixture Facts

Safety systems with multiple drenching platforms, (Shower, Eye/Face Wash and Drench Hose) must be capable of simultaneous activation while delivering tepid water for a duration of 15 minutes. ANSI/ISEA Z358.1 Section 7.4.4

An enclosure is recommended to protect against cold ambient temperatures. ANSI/ISEA Z358.1 Appendix B6





S19372

INDOOR ENCLOSED SAFETY SHOWERS

S19372 SERIES

Tepid water inlet



S19384

OUTDOOR ENCLOSED SAFETY SHOWERS

S19382 SERIES

Tepid water inlet

S19384 SERIES

Hot water tank

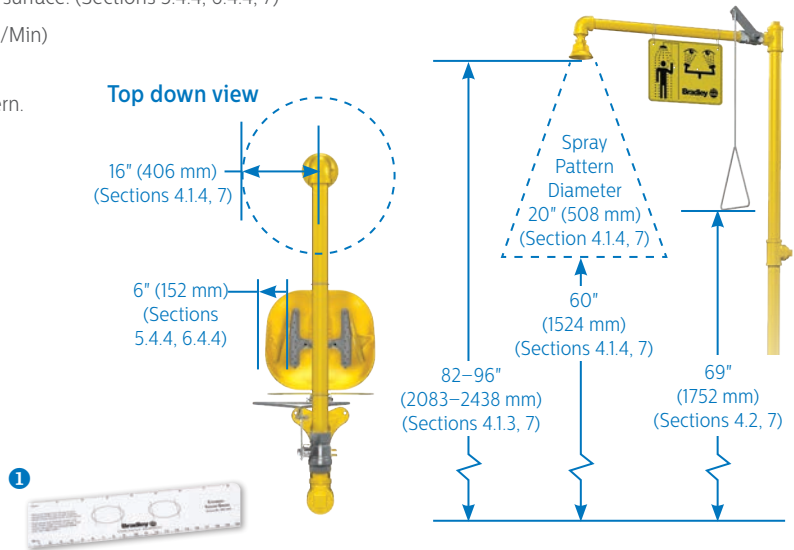
S19387 SERIES

Self-contained

Quick Compliance Guide

Enclosed Safety Showers

- Colder ambient temperature may require an enclosure for added protection. (Section B6)
- Valve mechanism opens in one second or less; it stays open until manually closed. (Sections 4.2, 5.2, 6.2, 7.1.1, 7.1.2, 7.1.3)
- Drench shower and eye or eye/face wash must operate simultaneously. (Section 7.4.4)
- Supply with flushing fluid (“potable water, preserved water, preserved buffered saline solution or other medically acceptable solution...”). (Definitions, Sections 4.1.1, 4.4.1, 5.1.1, 6.1.1, 7.1.2, 7.1.3)
- Locate 10 seconds or 55' (16.8 m) from contaminants or hazardous materials. Locate on same plane as the hazard, free of obstructions. (Sections 4.5.2, 5.4.2, 6.4.2, 7.1.1, 7.1.2, 7.1.3, 7.4.2, Appendix B5)
- Must resist corrosion in the presence of flushing fluid (Sections 4.1.5, 5.1.5, 6.1.5, 7.1.1, 7.1.2, 7.1.3)
- Protect eye and eye/face wash heads from contaminants. (Sections 5.1.3, 6.1.3, 7.1.2, 7.1.3)
- Requires a 16" (406 mm) radius from the center of the drench shower spray pattern to be free of obstructions. (Sections 4.1.4, 7.1.1)
- Required to be free of obstructions a minimum of 6" (152 mm) from the outside of the eye or eye/face wash sprayheads. (Sections 5.4.4, 6.4.4, 7.1.2, 7.1.3)
- Eye/face wash nozzle height 33–45" (83.8–114.3 cm) from standing surface. (Sections 5.4.4, 6.4.4, 7)
- Flow Rates: An eye/face wash delivers a minimum of 3.0 GPM (11 L/Min) for 15 minutes. (Sections 6.1.6, 7.1.3)
- Use flow meter to check flow rate; use test gauge to test flow pattern. (Sections 5.1.8, 5.3.1, 6.1.7, 6.3, 7.1.2, 7.1.3)
- Use a Bradley test gauge (Model 269-1444) to check flow pattern. ❶
- Environmental conditions often require freeze or scald protection equipment. (Sections 4.5.5, 5.4.5, 6.4.5, 7.1.1, 7.1.2, 7.1.3)



15-minute Flush	Tepid Water	Third-Party Certifications	Weekly Activations:	Annual Inspections
Compliant showers release a continuous flow of at least 20 GPM (76 L/Min) of tepid flushing fluid for a period of at least 15 minutes. (Sections 4.1.4, 4.4.1, 4.5.5, 4.5.6, 7.1.1) Compliant eye or eye/face wash fixture releases a continuous flow of flushing fluid for a minimum of 15 minutes. (Sections 5.1.6, 5.4.5, 5.4.6, 6.1.6, 6.4.5, 6.4.6, 7.1.2, 7.1.3)	(Lukewarm) 60–100°F (15.6–37.8°C) encourages full 15-minute flush or until medical personnel arrive. (Definitions, Sections 4.5.6, 5.4.6, 6.4.6, Appendix B6)	Manufacturers may have their safety fixtures independently evaluated by a third-party testing organization. Look for certification when selecting a compliant fixture. (Definitions)	Flush lines and test by activating weekly. Inspection tags are often included with fixtures to document testing and to satisfy a safety audit. (Sections 4.6.2, 5.5.2, 6.5.2, 7.5.2)	ANSI recommends a comprehensive annual inspection of the facility to evaluate modified work space, assess new hazards introduced into the area, and to identify fixtures needing replacement or repair. (Section 7.5.5) (Section 4.6.5)



Electric Tankless Water Heater Eye/Face Wash and Shower Models

Overview

The safety of your employees is paramount. Bradley electric tankless water heaters **POWERED BY KELTECH®** are engineered to ensure that water temperature is just right – not too hot, not too cold. Under constant flow and pressure, temperatures stay within +/-1°F of set point. If the flow rate changes drastically, there is no need to worry about being scalded. These units sense the transition and purge latent heat, keeping the output temperature below 90°F (32°C). A separate set of circuits monitors for “over temperature” conditions. Large internal passageways minimize pressure drop.

These units perform on demand for efficient energy usage. Unlike boilers, tankless water heaters only draw energy when needed. Utility costs are minimized because there is no need to keep a 300 gal (1136 L) tank heated 24/7/365. Easy to install – just add water and power. All you need is one electrical connection and a cold water line. All models are precision-engineered with materials, such as copper tubing and robust brass castings, that exceed the standards of any application – anywhere in the world.

Key Features

- No need to keep a 300 gal (1136 L) tank heated 24/7/365
- Easy to install – just add water and power. All you need is one electrical connection and a cold water line
- Under constant flow and pressure, temperatures stay within +/-1°F of set point
- Precision systems custom engineered to fit your application
- Meets ANSI/ISEA Z358.1 standards and third-party verified to UL/CSA standards
- Only electric tankless tempering systems that can be ASME and NB certified
- Optional features include NEMA 4X stainless steel enclosures, explosion proof purge system, and freeze protection to -20°F (-28°C)

Emergency Fixture Facts


ANSI requires that an emergency fixture be supplied with tepid flushing fluid between 60–100°F (15.5–37.7°C) to avoid premature cessation of the recommended 15 minute flush. ANSI/ISEA Z358.1 Section 7.4.5, Appendix B6

Brass/Copper heat exchangers meet NSF/ANSI 372

ASME Certification: Units 63 kW and higher are the only electric tankless water heaters registered with the National Board and certified with the HLW stamp

For information contact your Bradley Representative or visit bradleycorp.com

CLE SERIES

kW Range 18 – 25 kW 

Flow Range 0.75 – 10 GPM (3 – 37.8 L/Min) 

Standard Voltages 480V, 600V 3-Phase Delta 

Temperature output fixed at 80°F (27°C)

Meets the ANSI/ISEA Z358.1 standards

Provide continuous tepid water for multiple incidents with zero recovery time and custom-tuned for minimal overshoot

85,000 - 170,000 BTUs

Manual reset cutoff

Auto reset high limit switch

Liquid-cooled solid state relays

NEMA 4 enclosure

Wall- or floor-mounted

¾" (19 mm) connections

ETL and cETL certified to

UL and CSA Standards

Temperature safety values:


Controller alarm 90°F (32°C)


Auto reset high limit switch 95°F (35°C)

Manual reset cutoff 100°F (38°C)



SNA SERIES

kW Range 36 – 144 kW 

Flow Range 1.5 – 50 GPM (5.7 – 189.2 L/Min) 

Standard Voltages 480V, 600V 3-Phase Delta 

Temperature output fixed at 80°F (27°C)

Meets the ANSI/ISEA Z358.1 standards

Provide continuous tepid water for multiple incidents with zero recovery time and custom-tuned for minimal overshoot

Dual flow activation for reduced overshoot and energy savings

122,800 – 491,300 BTUs

Manual reset cutoff

Auto reset high limit switch

Door cutoff switch

Emergency stop button

Liquid-cooled solid state relays

NEMA 4 enclosure

Floor-mounted

1¼" (32 mm) connections

ETL and cETL certified to

UL and CSA Standards

Temperature safety values:

Controller alarm 90°F (32°C)

Auto reset high limit switch 95°F (35°C)

Overshoot purge 95°F (35°C)

Manual reset cutoff 100°F (38°C)



S19361

Pre-assembled safety fixture and SNA heater skid system

Halo™ Eye/Face Wash and SpinTec™ Drench Shower

54 - 144 kW (491,300 BTUs)

Molded Duragrate® and integrated shower pan

Temperature overshoot purge system

NEMA 4 enclosure standard

AL3 building communication alarm included

Dual Flow Heater Activation
(Eye/Face Wash and/or Shower)

Internal fusing (included) adds safety and permits single power connection

Controller-locked temperature setting, output fixed at 80°F (27°C)

Meets ANSI/ISEA Z358.1 standards

ETL and cETL certified to UL and CSA Standards

Emergency stop button and door cutoff switch



S19361HF

Pre-assembled, freeze-protected safety fixture and SNA heater skid system

Bradley Halo Heat Trace S19-304 with SpinTec™

54 - 144 kW (491,300 BTUs)

Molded Duragrate® and integrated shower pan

Temperature overshoot purge system

NEMA 4 heat enclosure standard

AL3 building communication alarm option included

Dual Flow Heater Activation
(Eye/Face Wash and/or Shower)

Internal fusing (included) adds safety and permits single power connection

Controller-locked temperature setting, output fixed at 80°F (27°C)

Meets ANSI/ISEA Z358.1 standards

ETL and cETL certified to UL and CSA Standards

Emergency stop button and door cutoff switch





Emergency Thermostatic Mixing Valves

Overview

Bradley's Navigator® emergency thermostatic mixing valves provide tepid water (60–100°F/15.5°–37.7°C) by mixing cold and hot water to a predetermined temperature. Tepid water encourages injured workers to remain beneath the deluge of water released from the emergency fixture, for the entire ANSI required 15-minute flush. ANSI/ISEA Z358.1-1998 first required tepid water and the 2004 standard outlined that definition of the temperature range in its appendix. Each Navigator Emergency TMV features a fixed cold-water bypass that will allow cold water to flow should the hot water exceed the predetermined temperature reflecting Bradley's commitment to customers, quality and its dedication to manufacturing quality products that protect your employees.

Key Features

- Reliable, liquid-filled thermostat
- Accurate temperature control to within $\pm 3^\circ$
- Dial thermometer
- Checkstops on inlets
- Built-in cold water bypass
- Positive shut-off of hot supply when cold supply is lost
- Dirt and lime resistant
- Factory assembled and tested
- Universal mounting capability
- Valves are preset at 85°F (29°C) and are adjustable from 65°F (18°C) to 95°F (35°C)
- All items comply with ANSI/ISEA Z358.1



S19-2000 EFX8



S19-2150 EFX20



S19-2010



S19-2350 EFX120

Emergency Fixture Facts

ANSI requires that an emergency fixture be supplied with tepid flushing fluid between 60–100°F (15.5°–37.7°C). ANSI/ISEA Z358.1 Section 7.4.5, Appendix B6

THERMOSTATIC MIXING VALVES

S19-2000 *	7 GPM (26 L/Min) @ 30 psi (207 kPa)	Accommodates one Eyewash or Eye/Face Wash
NEW! S19-2010	7 GPM (26 L/Min) @ 30 psi (207 kPa)	Accommodates one Eyewash or one Swing Activated Faucet Eyewash
S19-2100	26 GPM (98 L/Min) @ 30 psi (207 kPa)	Accommodates one Combination Shower, one Drench Shower or multiple Eyewashes
S19-2150 *	19.5 GPM (74 L/Min) @ 30 psi (207 kPa)	Accommodates one drench shower or multiple Eyewashes
S19-2200	53.5 GPM (203 L/Min) @ 30 psi (207 kPa)	Accommodates up to two Combination Showers, two Drench Showers or multiple Eyewashes
S19-2250 *	48 GPM (182 L/Min) @ 30 psi (207 kPa)	Accommodates one Combination Shower, up to two Drench Showers or multiple Eyewashes
S19-2300	82 GPM (310 L/Min) @ 30 psi (207 kPa)	Accommodates up to three Combination Showers, three Drench Showers or multiple Eyewashes
S19-2350 *	72.5 GPM (274 L/Min) @ 30 psi (207 kPa)	Accommodates up to two Combination Showers, three Drench Showers, or multiple Eyewashes

ANSI Standard Z358.1 requires tempered water supply. Ratings provided at 30 psi (207 kPa), the minimum pressure required by ANSI/ISEA Z358.1 to be supplied to Eyewash, eye/face wash and combination units. Reference Bradley's Technical Data Sheets for a full listing of flow capacities.

* ASSE 1071 and cUPC certified

Additional Product Options

FINISH

R	Rough Brass (Standard)
C	Chrome-plated

PIPED ASSEMBLY

P*	Piped assembly with inlet and outlet shutoff
N*	Piped assembly only

CABINETS

SS	Surface-mounted stainless steel
RS	Recessed stainless steel
SE	Surface-mounted white enamel
RE	Recessed white enamel
W	Plexiglas® window in door

* Option not available with S19-2000. Standard with cabinet-mounted valves.

NAVIGATOR SKID SYSTEMS

The Bradley Navigator Skid is engineered for industrial applications that need a skid-mounted, TMV based tepid water system. The flexible design allows for recirculation system, booster pump, and larger storage tank options. One supply inlet and one power supply connection provide a tepid water system for one or more emergency Eyewash or drench showers.

NEW! S19-T120

208V, 240, 277 or 480V Supply Voltage

119-gallon Hot Water Tank
4.8 gallon expansion tank

NTS1

General Area or Class I Division 2 Electrical Class

208V, 240, or 480V Supply Voltage

119-gallon standard or ASME Hot Water Tank

**Optional Pressure Booster Pump, Recirculation Pump,
Return Line, and Aquastat**

NTS2

General Area or Class I Division 2 Electrical Class

208V, 240, or 480V Supply Voltage

318-gallon ASME Hot Water Tank

Optional Pressure Booster Pump, Recirculation Pump,





Emergency Signaling Systems

Overview

Whether your intent is to prevent vandalism caused by false activations, or to be sure your safety team and medical personnel are notified during an emergency, signaling systems may be the solution. Each Bradley signaling system is equipped with a double pole, double throw flow switch. To complement the audible and visual indicator, each flow switch and central control board provides extra sets of contacts necessary to connect the fixture to a central control system that monitors the fixture. Signaling systems provide peace of mind, they discourage vandals, yet notify safety personnel when and where an emergency occurs.

Key Features

- Automatic, audible and visual system
- Signal light and horn activate when shower or Eyewash is activated; pre-assembled
- Optional beacon or area lights
- Optional silence switch with auto reset
- Universal AC Input: 90-264 AC, 50-60 Hz
- Requires a minimum of 2.4 GPM (9 L/Min) water flow to activate
- ½" (13 mm) or ¼" (32mm) NPT inlet piping
- Double pole, double throw flow switch

Emergency Fixture Facts

According to ANSI guidelines, audible signaling systems may be a desirable accessory to audibly or electronically alert safety personnel that an emergency occurred. ANSI/ISEA Z358.1, Appendix B4

Don't see the product you are looking for? Go to pages 58–60 to use the S19-324 Configurators

S19-322 SERIES

- Recessed signaling system
- Automatic, audible and visual signal system
- Signal light and horn activate when shower or eye wash is activated; preassembled
- ½" (13mm) or 1¼" (32mm) NPT inlet piping
- Double pole, double throw flow switch
- For indoor applications
- Universal AC Input: 90-264 AC, 50-60 Hz
- NEMA 1 signaling system



S19-322E

UL listed ½" (32mm) flow switch
Flashing amber LED signal light
For eye or eye/face washes



S19-322D

UL listed 1¼" (32mm) flow switch
Flashing amber LED signal light
For drench showers or combination units



S19-323E

UL listed ½" (13 mm) brass flow switch
For eye or eye/face wash
Amber signal light



S19-323D

UL listed 1¼" (32mm) brass flow switch
For drench shower or combination units
Amber signal light

S19-323 SERIES

- Automatic, audible and visual signaling system
- Signal light and horn activate when Eyewash or shower is activated; preassembled
- Requires a minimum of 2.4 GPM (9 L/Min) water flow to activate
- ½" (13 mm) or 1¼" (32mm) NPT inlet piping
- Double pole, double throw flow switch
- For indoor and outdoor applications
- Extra set of contacts on central control board
- 6' (1.8 m) cable
- Universal AC Input: 90-264 AC, 50-60 Hz
- NEMA 3R signaling system

S19-324 SERIES

- Automatic, audible and visual signaling system
- Signal light and horn activate when eye wash or shower is activated; pre-assembled
- Requires a minimum of 2.4 GPM (9 L/Min) water flow to activate
- ½" (13 mm) or 1¼" (32mm) NPT inlet piping
- Double pole, double throw flow switch
- For indoor and outdoor applications
- Extra set of contacts on central control board
- Universal AC Input: 90-264 AC, 50-60 Hz



S19-324E

Brass UL listed ½" (13mm) flow switch
 NEMA 4X signaling system
 6' (1.8 m) Cable
 For eye or eye/face wash
 Silence switch with auto reset
 Amber signal light



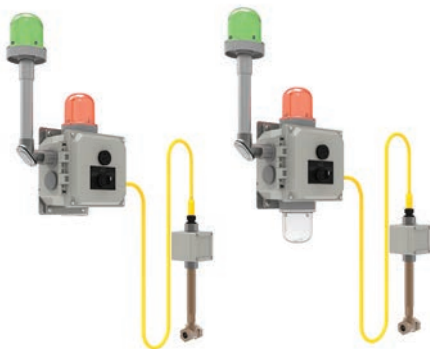
S19-324D

Brass, UL listed 1¼" (32 mm) flow switch
 NEMA 4X signaling system
 6' (1.8 m) Cable
 For drench showers or combination units
 Silence switch with auto reset
 Amber signal light



S19-324DG, S19-324DGW

Brass UL listed 1¼" (32 mm) flow switch
 NEMA 4X signaling system
 6' (1.8 m) Cable
 Silence switch with auto reset
 Green beacon light
 White area light (S19-324DGW only)
 For drench showers or combination units
 Amber signal light



S19-324EG, S19-324EGW

UL listed ½" (13mm) brass flow switch
 NEMA 4X signaling system
 6' (1.8 m) Cable
 Silence switch with auto reset
 Green beacon light
 White area light (S19-324EGW only)
 For eye wash or eye/face washes
 Amber signal light



S19-324D2D

Explosion-Proof Emergency Signaling System
 (Class 1 Division 2, Groups B, C & D)
 NEMA 4X
 Brass UL listed 1¼" (32 mm) flow switch
 For drench shower or combination units
 Amber signal light
 S19-324D2DHT for S19-304 heat
 trace combination units



S19-324D1D

Explosion-Proof Emergency Signaling System
 (Class 1 Division 1, Groups C & D)
 NEMA 4X
 Brass UL listed 1¼" (32 mm) flow switch
 For drench shower or combination units
 Amber signal light
 S19-324D1DHT for S19-304 heat
 trace combination units

S19-324 Series Configurator

FLOW SWITCHES



S19-319E

Stainless Steel
 1/2" (13 mm) NPT
 Activates Eyewash
 and eye/face wash units



S19-319D

Stainless Steel
 1 1/4 NPT
 Activates combination units

Don't see a model that meets your application? Use the selections below to build one to suit your needs. Select one option from each category. Fill in the squares below with the corresponding option letter or number. Use the resulting alphanumeric number to specify the model and configuration for your desired product.

Model S19-324

General Area, NEMA4X, Signal System

1 Fixture Configuration



- EF** Eye or Eye/Face Wash
- DC** Drench or Combination
- HT** Halo Heat Trace Combination Unit*

2 Activation



- BS** Brass Flow Switch
- SS** Stainless Steel Flow Switch



3 Horn Sound

- TN1** Tone 1
- TN2** Tone 2
- TN3** Tone 3

4 Silence Switch

- O** None
- PM** Panel Mount
- FM** Flex Mount with 15' Cable

5 Signal Light



- SA** Amber (Flashing)
- SR** Red (Flashing)

6 Beacon Light



- O** None
- BG** Green (Steady)
- BB** Blue (Steady)

7 Area Light (Steady)



- O** None
- AW** White (Steady)
- AR** Red (Steady)

8 Cable Length (Flow Switch to Signaling System)



- C6** 6' Cable
- C12** 12' Cable
- C50** 50' Cable

For availability on a brass or stainless steel flow switch only, contact Bradley Customer Service at 800-BRADLEY (800.272.3539)

* Signaling system can only be mounted to new style S19-304 Halo Heat Trace Combination Unit

Fill in 1 through 8 to specify the model and configuration for your desired project:















S	1	9	3	2	4	1	2	3	4	5	6	7	8
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S19-324D2 Series Configurator

Don't see a model that meets your application? Use the selections below to build one to suit your needs. Select one option from each category. Fill in the squares below with the corresponding option letter or number. Use the resulting alphanumeric number to specify the model and configuration for your desired product.

Model S19-324D2

Class I, Division 2, Groups B, C, and D Signal System

 	<p>1 Fixture Configuration</p> <p>EF Eye or Eye/Face Wash</p> <p>DC Drench or Combination</p> <p>HT Halo Heat Trace Combination Unit*</p>	 	<p>6 Signal Light</p> <p>SA Amber (Flashing)</p> <p>SR Red (Flashing)</p>		<p>7 Beacon Light</p> <p>0 None</p>	<p>9 Cable Length</p> <p>C6 6' Cable</p> <p>C12 12' Cable</p> <p>C50 50' Cable</p>
 	<p>2 Activation</p> <p>BS Brass Flow Switch</p> <p>SS Stainless Steel Flow Switch</p>	 	<p>8 Area Light</p> <p>BG Green (Steady)</p> <p>BB Blue (Steady)</p>	<p>8 Area Light</p> <p>0 None</p>	<p>8 Area Light</p> <p>0 None</p>	
	<p>3 Horn Sound</p> <p>TS Standard Single Tone</p>		<p>8 Area Light</p> <p>AW White (Steady)</p>	<p>8 Area Light</p> <p>0 None</p>	<p>8 Area Light</p> <p>0 None</p>	
	<p>4 Silence Switch</p> <p>* For use in gas groups C, D only</p> <p>0 None</p> <p>RS Reset Switch</p>	 	<p>8 Area Light</p> <p>AR Red (Steady)</p>	<p>8 Area Light</p> <p>0 None</p>	<p>8 Area Light</p> <p>0 None</p>	

* Signaling system can only be mounted to new style S19-304 Halo Heat Trace Combination Unit

Fill in 1 through 9 to specify the model and configuration for your desired project:

S	1	9	3	2	4	D	2	1	2	3	4	5	6	7	8	9



S19-460, S19-430 and S19-440 Series

Overview

Bradley deck-mounted or wall-mounted, dual head drench hoses qualify as an Eyewash when installed according to the ANSI/ISEA Z358.1 guidelines for Eyewashes. A dual head drench hose may be used to flush the eyes or body. In contrast, several single head drench hose models exist exclusively for the purpose of serving as auxiliary safety equipment during an emergency. Single head drench hoses may be deck-mounted, wall-mounted or installed as a retrofit in line with an already existing Eyewash or drench shower in particularly hazardous locations.

Key Features

- Plastic eye/face wash sprayheads
- 8' (2.4 m) drench hose standard (except where noted)
- Squeeze-activated handle (except where noted)
- Locking clip – continuous water flow once activated
- Deck-mounted models include deck mounting hardware
- Wall-mounted models include wall mounting hardware (except where noted)
- All items comply with ANSI/ISEA Z358.1

Emergency Fixture Facts

Dual head drench hoses may take the place of a traditional Eyewash if it complies with all Eyewash performance requirements in Section 5 and/or Section 6 of the standard such as being mounted 6" (152 mm) from any obstruction and 33-53" (838-1346 mm) from the top of the spray pattern to the floor.

ANSI/ISEA Z358.1 Section 8.2.1

Back-flow Preventers

To select the appropriate back-flow preventer, check with local governing authorities on local codes and ordinances.

Recommended Emergency TMV

Navigator EFX 8 (S19-2000)

The current ANSI standard calls for emergency Eyewashes and drench showers to deliver tepid water (60–100°F/15.5–37.7°C) for 15 minutes. A thermostatic mixing valve is needed to mix the hot and cold water supply. Bradley's Navigator TMVs are the most reliable emergency TMVs on the market. One valve is required per plumbed unit.



Quick Compliance Guide

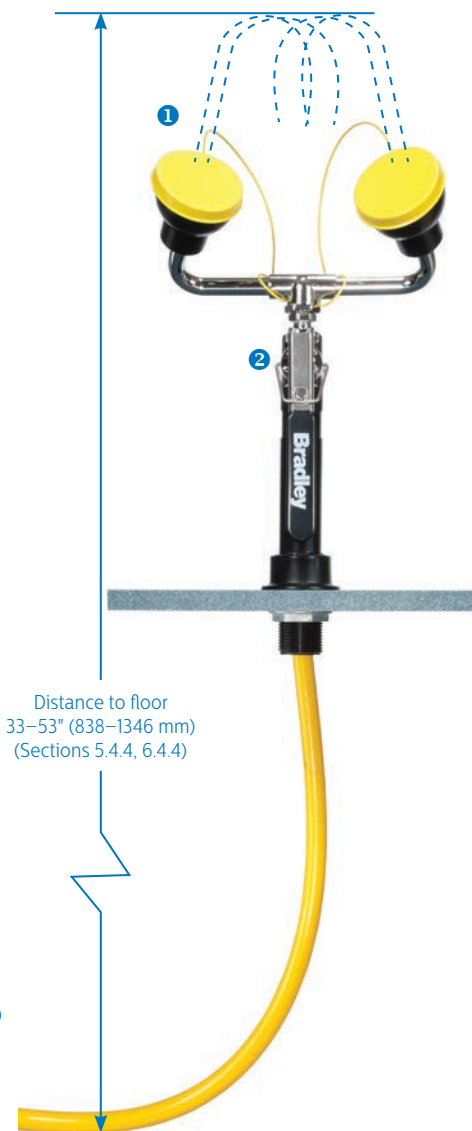
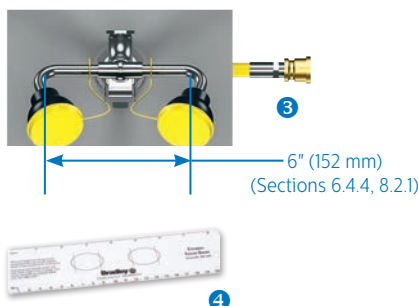
Dual Head Eye/Face Wash & Drench Hose

- Considered an eye/face wash if it complies with the installation and performance requirements of the eye/face wash standard. (Sections 6, 8.2.1)
- Single-head drench hoses complement the 15-minute flush provided by a primary ANSI/ISEA Z358.1 compliant Eyewash fixture. (Section 8)
- Valve mechanism opens in one second or less; it stays open until manually closed. (Sections 6.2, 8.2.1)
- Fixtures compliant as an eye/face wash must remain “on” once activated (Sections 6.2, 8.2.1) **1**
- Supply with flushing fluid (“potable water, preserved water, preserved buffered saline solution or other medically acceptable solution...”) (Definitions, Sections 6.1.1, 8.2.1) **2**
- Locate 10 seconds or 55’ (16.8 m) from contaminants or hazardous materials. Locate on same plane as the hazard, free of obstructions. (Section 6.4.2, Appendix B5)
- Protect unit heads from contaminants. (Sections 6.1.3, 8.2.1)
- Flow Rates: Eye/face wash unit delivers a minimum of 3.0 GPM (11 L/Min) for 15 minutes. (Section 6.1.6, 8.2.1)
- Use a flow meter to test flow rate; use a test gauge to test flow pattern. (Sections 6.1.7, 6.3, 8.2.1)

Top down view

Required to be free of obstructions a minimum of 6" (152 mm) from the outside of the eye or eye/face wash sprayheads. (Sections 6.4.4, 8.2.1) **3**

Use a Bradley test gauge (Model 269-1444) to check flow pattern. **4**



15-minute Flush	Tepid Water	Third-Party Certifications	Weekly Activations:	Annual Inspections
Compliant fixtures release a continuous flow of tepid flushing fluid for a minimum of 15 minutes. (Sections 6.1.6, 6.4.5, 6.4.6, 8.2.1)	(lukewarm) 60–100°F (15.6–37.8°C) encourages full 15 minute flush or until medical personnel arrive. (Definitions, Sections 6.4.6, 8.2.1, Appendix B6)	Manufacturers may have their safety fixtures independently evaluated by a third-party testing organization. Look for certification when selecting a compliant fixture. (Definitions)	Flush lines and test by activating weekly. Inspection tags are often included with fixtures to document testing and to satisfy a safety audit. (Sections 6.5.2, 8.2.1, 8.2.4.2)	ANSI recommends a comprehensive annual inspection of the facility to evaluate modified work space, assess new hazards introduced into the area, and to identify fixtures needing replacement or repair. (Sections 6.5.5, 8.2.4.5)

DECK-MOUNTED DRENCH HOSES



S19-460

Single vertical sprayhead

UL classified to meet ANSI/ISEA Z358.1 as a supplemental Eyewash only



S19-460EFW

Dual vertical sprayheads

UL classified to meet ANSI/ISEA Z358.1



S19-465EFW

Dual angled sprayheads

UL classified to meet ANSI/ISEA Z358.1

WALL-MOUNTED DRENCH HOSES



S19-430A

Single vertical sprayhead

8' (2.4 m) yellow thermoplastic hose

UL classified to meet ANSI/ISEA Z358.1 as a supplemental Eyewash only



S19-430D

Single vertical sprayhead

6' (1.8 m) flexible stainless steel hose

UL classified to meet ANSI/ISEA Z358.1 as a supplemental Eyewash only

RETROFIT DRENCH HOSES



S19-430EH

Single head drench hose

Retrofits to most eye or eye/face wash fixtures

UL classified to meet ANSI/ISEA Z358.1 as a supplemental Eyewash only



S19-430SH

Single head drench hose

Retrofits to most drench showers or combination units

UL classified to meet ANSI/ISEA Z358.1 as a supplemental Eyewash only

WALL-MOUNTED DRENCH HOSES WITH RECOIL HOSE



S1944011ABC

Dual vertical sprayheads
ANSI-compliant eye/face wash
12' (3.7 m) recoiling hose
Squeeze handle activated
UL classified to meet ANSI/ISEA Z358.1



S19440022ABC

Dual vertical sprayheads
ANSI-compliant eye/face wash
12' (3.7 m) recoiling hose
Paddle activation handle
UL classified to meet ANSI/ISEA Z358.1

S1944011BBC

Dual angled sprayheads
ANSI-compliant eye/face wash
12' (3.7 m) recoiling hose
Squeeze handle activated
UL classified to meet ANSI/ISEA Z358.1

BACK-FLOW PREVENTERS

To select the appropriate back-flow preventer, check with local governing authorities on local codes and ordinances.



S27-303

Dual check valve, Series 7



S45-2310

Dual check vacuum breaker with intermediate atmospheric vent, Series 9D



S45-2309

Dual check vacuum breaker with atmospheric vent, Series 9



140-226

Hose guide bracket
Mounts under the deck to guide the hose

Deck- and Wall-Mounted Eye and Eye/Face Washes



Overview

A variety of laboratory fixtures are available to accommodate traditional and non-traditional installations. Elementary schools, hospitals, universities and research facilities equip their premises with these versatile, yet unique fixtures. Laboratory fixtures may be faucet, deck, wall, or counter-mounted. Bradley offers a diverse variety of fixtures to provide Eyewash solutions where space is restricted and safety is of the utmost importance.

Key Features

- Chrome-plated brass pipe
- Paddle or push down handle activation
- ½" (13 mm) Inlet
- All items comply with ANSI/ISEA Z358.1

Emergency Fixture Facts

The emergency fixture must be on the same level as the hazard. ANSI/ISEA Z358.1 Section 5.4.2

For additional safety products typically installed in laboratory applications, please consider:

Horizontal/Vertical Drench Showers	page 11
Pedestal-Mounted Eyewashes and Eye/Face Washes.	page 16
Wall-Mounted Eyewashes and Eye/Face Washes.	page 24

Recommended Emergency TMV

Navigator EFX 8 (S19-2000)

The current ANSI standard calls for emergency Eyewashes and drench showers to deliver tepid water (60–100°F/ 15.5–37.7°C) for 15 minutes. A thermostatic mixing valve is needed to mix the hot and cold water supply. Bradley's Navigator TMVs are the most reliable emergency TMVs on the market. One valve is required per plumbed unit.





S19-200B

Faucet-Mounted Eyewash
 One-step activation
 Several adapters included
 UL classified to meet ANSI/ISEA Z358.1
 Lead-Free
 Faucet not included



NEW! S19-244

Wall-Mounted Eyewash
 Chrome-plated brass pipe and fittings
 Exceeds American National Standard Z358.1



NEW! S19-244FW

Wall-Mounted Eye/face wash
 Chrome-plated brass pipe and fittings
 Exceeds American National Standard Z358.1



NEW! S19-274B

Deck/counter-mounted eyewash
 Chrome-plated brass pipe and fittings
 Exceeds American National Standard Z358.1



NEW! S19-274BL

Deck/counter-mounted eyewash
 Chrome-plated brass pipe and fittings
 Exceeds American National Standard Z358.1



NEW! S19-274F

Deck/counter-mounted eye/face wash
 Chrome-plated brass pipe and fittings
 Exceeds American National Standard Z358.1



NEW! S19-274FL

Wall-mounted eye/face wash
 Chrome-plated brass pipe and fittings
 Exceeds American National Standard Z358.1



Swing-Activated Eye and Eye/Face Washes

Overview

Eyewash or eye/face wash fixtures that are swing activated are often located on lavatory decks that need to be available for a variety of different uses. A swing-activated fixture provides access to an ANSI-compliant fixture, while simultaneously making full use of valuable, yet limited space. Choose from a variety of wall-mounted or deck-mounted designs that swing out of the way when the fixture is in its resting position, but is still accessible for use during an emergency.

Key Features

- Chrome-plated brass pipe
- Swing-down or swing-over activation controlled between two precise ceramic discs
- 20° activation and deactivation reduces splashing
- All items comply with ANSI/ISEA Z358.1
- Halo Eyewashes and eye/face washes provide the most wash down coverage available
- Halo dust cover caps on the Eyewash are hinged for a more secure hold – keeping dust and debris off the water spouts

Emergency Fixture Facts

ANSI identifies a door as a barrier. ANSI/ISEA Z358.1, Appendix B5.

For additional safety products typically installed in laboratory applications, please consider:

Horizontal/Vertical Drench Showers	page 11
Pedestal-Mounted Eyewashes and Eye/Face Washes.	page 16
Wall-Mounted Eyewashes and Eye/Face Washes.	page 24
Standard and Explosion proof Signaling Systems	page 54

Recommended Emergency TMV

Navigator EFX 8 (S19-2010)

The current ANSI standard calls for emergency Eyewashes and drench showers to deliver tepid water (60–100°F/15.5–37.7°C) for 15 minutes. A thermostatic mixing valve is needed to mix the hot and cold water supply. Bradley's Navigator TMVs are the most reliable emergency TMVs on the market. One valve is required per plumbed unit.

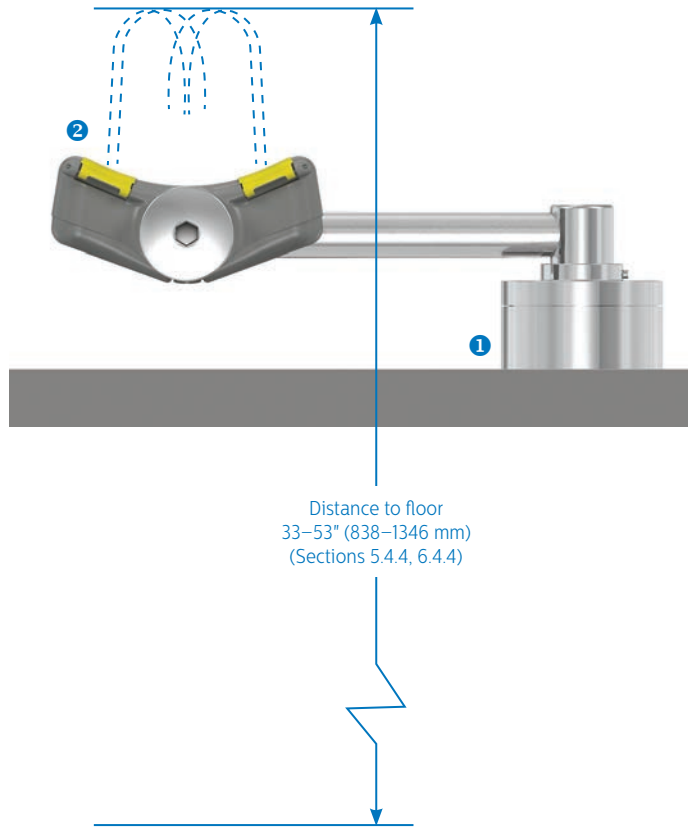


Quick Compliance Guide

Laboratory Eye & Eye/Face Wash Fixtures

- Valve mechanism opens in one second or less; it stays open until manually closed. (Sections 5.2, 6.2) **1**
- Supply with flushing fluid, (“potable water, preserved water, preserved buffered saline solution or other medically acceptable solution...”) (Definitions, Sections 5.1.1, 6.1.1)
- Locate 10 seconds or 55' (16.8 m) from contaminants or hazardous materials.
- Locate on same plane as the hazard, free of obstructions. (Sections 5.4.2, 6.4.2, Appendix B5)
- Protect unit heads from contaminants. (Sections 5.1.3, 6.1.3) **2**
- Flow Rates: Eyewash unit delivers a minimum of .4 GPM for 15 minutes. (Section 5.1.6) Eye/face wash unit delivers a minimum of 3.0 GPM (11 L/Min) for 15 minutes. (Section 6.1.6)
- Use a flow meter to test flow rate; use a test gauge to test flow pattern. (Sections 5.1.8, 5.3.1, 6.1.7, 6.3)

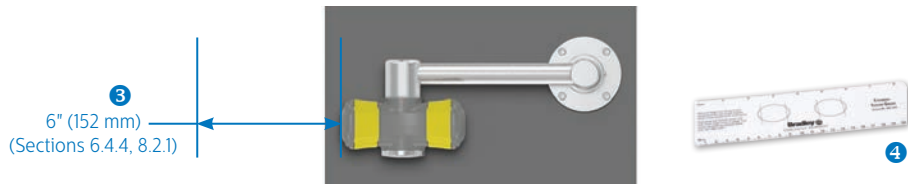
The Joint Commission 2009 EC Standard for Hospitals requires: “The hospital takes action to minimize or eliminate identified safety and security risks in the physical environment.” Furthermore, hospitals are required to “Minimize risk associated with selecting, handling, storing, transporting, using, and disposing hazardous chemicals.” Surveyors commonly refer to OSHA requirements and the ANSI Standard for further guidance on best demonstrated practices.



Top down view

Required to be free of obstructions a minimum of 6" (152 mm) from the outside of the eye or eye/face wash sprayheads. (Sections 5.4.4, 6.4.4) **3**

Use a Bradley test gauge (Model 269-1444) to check flow pattern. **4**










15-minute Flush	Tepid Water	Third-Party Certifications	Weekly Activations:	Annual Inspections
Compliant fixtures release a continuous flow of tepid flushing fluid for a minimum of 15 minutes. (Sections 5.1.6, 5.4.5, 5.4.6, 6.1.6, 6.4.5, 6.4.6)	(lukewarm) 60–100°F (15.6–37.8°C) encourages full 15 minute flush or until medical personnel arrive. (Definitions, Sections 5.4.6, 6.4.6, Appendix B6)	Manufacturers may have their safety fixtures independently evaluated by a third-party testing organization. Look for certification when selecting a compliant fixture. (Definitions)	Flush lines and test by activating weekly. Inspection tags are often included with fixtures to document testing and to satisfy a safety audit. (Sections 5.5.2, 6.5.2)	ANSI recommends a comprehensive annual inspection of the facility to evaluate modified work space, assess new hazards introduced into the area, and to identify fixtures needing replacement or repair. (Sections 5.5.5, 6.5.5)

Halo Swing-Activated Faucet Eyewash

Bradley's new combined faucet and Halo™ eyewash is a space saver for any laboratory environment. The gooseneck faucet has a Halo eyewash built in for emergency eyewash use. The patented design ensures that when the eyewash is activated, the faucet moves out of the way and the eyewash is positioned directly over the sink. The eyewash placement at the base of the faucet allows more convenient and comfortable use of the emergency fixture than competitive models on the market. The Halo eyewash has provided the most effective washdown coverage and spray pattern available for emergency use for over 10 years.

Key Features

-  Chrome plated solid brass fixture designed for durability and long lasting performance
-  Saves space by combining eyewash and faucet
-  Easy to use swing activated eyewash moves the faucet out of the way
-  Halo delivers the most effective eye washdown coverage and spray pattern
-  Water from eyewash stays in the bowl during activation Faucet completely shuts off when eyewash is activated
-  Additional stability and durability with deck-mounted eyewash
-  Easy Maintenance



S19-500M

Deck-Mounted Swing-Activated Faucet/Eyewash, Mixed Faucet

Swing activation of eyewash moves faucet out of the way

Durable, ceramic valve

Right Hand



S19-500T

Deck-Mounted Swing-Activated Faucet/Eyewash, Tempered Faucet

Swing activation of eyewash moves faucet out of the way

Durable, ceramic valve

Right Hand



S19-500W

Deck-Mounted Swing-Activated Faucet/Eyewash, Wristblade Faucet

Swing activation of eyewash moves faucet out of the way

Durable, ceramic valve

Right Hand



S19-505M

Deck-Mounted Swing-Activated Faucet/Eyewash, Mixed Faucet

Swing activation of eyewash moves faucet out of the way

Durable, ceramic valve

Left Hand



S19-505T

Deck-Mounted Swing-Activated Faucet/Eyewash, Tempered Faucet

Swing activation of eyewash moves faucet out of the way

Durable, ceramic valve

Left Hand



S19-505W

Deck-Mounted Swing-Activated Faucet/Eyewash, Wristblade Faucet

Swing activation of eyewash moves faucet out of the way

Durable, ceramic valve

Left Hand



S19274C



Deck/counter-mounted Eyewash
 Durable, ceramic valve
 Swings over sink for easy use
 Universal right or left hand mounting options
 UL classified to meet ANSI/ISEA Z358.1



S19274HD



Deck/counter-mounted Eyewash
 Durable, ceramic valve
 Swings down over sink for easy use
 UL classified to meet ANSI/ISEA Z358.1

S19274HDR



Reduced pipe length
 Deck/counter-mounted Eyewash
 Durable, ceramic valve
 Swings down over sink for easy use
 UL classified to meet ANSI/ISEA Z358.1



S19274HDS



Offset pipe
 Deck/counter-mounted Eyewash
 Durable, ceramic valve
 Swings down over sink for easy use
 UL classified to meet ANSI/ISEA Z358.1



S19274HW



Wall-mounted Eyewash
 Durable, ceramic valve
 Swings down over sink for easy use
 UL classified to meet ANSI/ISEA Z358.1

S19274HWR

Reduced Pipe Length
 Wall-mounted Eyewash
 Durable, ceramic valve
 Swings down over sink for easy use
 UL classified to meet ANSI/ISEA Z358.1



S19274HDB



Deck/counter-mounted Eyewash
 Durable, ceramic valve
 Swings down over sink for easy use
 UL classified to meet ANSI/ISEA Z358.1

S19274HWB



Wall-mounted Eyewash
 Durable, ceramic valve
 Swings down over sink for easy use
 UL classified to meet ANSI/ISEA Z358.1



S19274E



Deck/counter-mounted eye/face wash
 Durable, ceramic valve
 Swings over sink for easy use
 Universal right or left hand mounting options
 UL classified to meet ANSI/ISEA Z358.1



S19274JD

Deck/counter-mounted eye/face wash
 Durable, ceramic valve
 Swings down over sink for easy use
 UL classified to meet ANSI/ISEA Z358.1



S19274JDB

Deck/counter-mounted eye/face wash
 Durable, ceramic valve
 Swings down over sink for easy use
 UL classified to meet ANSI/ISEA Z358.1



S19274JW

Wall-mounted eye/face wash
 Durable, ceramic valve
 Swings down over sink for easy use
 UL classified to meet ANSI/ISEA Z358.1



S19274JWB

Wall-mounted eye/face wash
 Durable, ceramic valve
 Swings down over sink for easy use
 UL classified to meet ANSI/ISEA Z358.1





Recessed Drench Showers, Eye and Eye/Face Washes

Overview

The recessed, corrosion-resistant, brushed stainless steel units offer a sleek, modern look. Frequently installed in hospitals, high schools, universities and laboratories, these fixtures maximize the space available. Many of the fixtures in this category include an integral drain pan, which collects the water run-off from the Eyewash and directs it into the drain, encouraging weekly activation. Halo eye or eye/face wash targets those areas of the body where a gentle spray of water is optimal.

Key Features

- SpinTec showerhead improves water distribution
- Fixtures exceed ANSI-mandated flow rates
- Flush-mounted, corrosion-resistant, type 304 stainless steel cabinet
- Various modes of activation are available (fully recessed, surface mounted or pull down handles)
- Swing down activation controlled between two precise ceramic discs
- All items comply with ANSI/ISEA Z358.1
- Halo Eyewashes and eye/ face washes provide the most washdown coverage available
- Halo dust cover caps on the Eyewash are hinged for a more secure hold, keeping dust and debris off the water spouts

Emergency Fixture Facts

Emergency fixtures must be activated on a weekly basis and inspected annually. ANSI/ISEA Z358.1 Section 4.6.2, 5.5.2, 6.5.2, 7.5.5

Suggested Accessories

Standard and Explosion-Proof Signaling Systems	page 54
Drench Shower Testers	page 82
Other parts and accessories	page 82

Recommended Emergency TMV

Navigator® EFX 20 (S19-2150)

The current ANSI standard calls for emergency Eyewashes and drench showers to deliver tepid water (60–100°F/ 15.5–37.7°C) for 15 minutes. A thermostatic mixing valve is needed to mix the hot and cold water supply. Bradley's Navigator® TMVs are the most reliable emergency TMVs on the market. One valve is required per plumbed unit.





S19-125BF

Barrier-Free, Recessed Drench Showers
Fully recessed, push-down, coated stainless steel handle for quick and easy activation
Extended stainless steel shroud
UL classified to meet ANSI/ISEA Z358.1



S19294HB

Barrier-Free, Cabinet Concealed Swing-Down Eyewash
Concealed, cabinet-mounted Eyewash
Gas spring allows the door to descend in a smooth and controlled manner
Activated by opening the stainless steel door
Wide access panel in front of unit for easy accessibility and serviceability
Designed to mount in a 4" (102 mm) deep wall
UL classified to meet ANSI/ISEA Z358.1

S19294HBT

Same features as S19294HB, except with P-trap
UL classified to meet ANSI/ISEA Z358.1



S19294JB

Barrier-Free, Cabinet Concealed Swing-Down Eye/Face Wash
Concealed, cabinet-mounted eye/face wash
Gas spring allows the door to descend in a smooth and controlled manner
Activated by opening the stainless steel door
Wide access panel in front of unit for easy accessibility and serviceability
Bottom-fed emergency TMV may be installed in maintenance compartment below fixture (recommended S19-2000EFX)
Designed to mount in a 6" (152 mm) deep wall
UL classified to meet ANSI/ISEA Z358.1

S19294JBT

Same features as S19294JB, except with P-trap
UL classified to meet ANSI/ISEA Z358.1

Recommended Emergency TMV

Navigator EFX 8 (S19-2000)

The current ANSI standard calls for emergency Eyewashes and drench showers to deliver tepid water (60–100°F/15.5–37.7°C) for 15 minutes. A thermostatic mixing valve is needed to mix the hot and cold water supply. Bradley's Navigator TMVs are the most reliable emergency TMVs on the market. One valve is required per plumbed unit.





S19345HXB

Barrier-Free, Recessed Drench Shower and Eyewash
 Extended, stainless steel shroud
 Fully recessed, push-down, coated stainless steel handle
 Wide access panel in front of unit for easy accessibility and serviceability
 Gas spring allows the door to descend in a smooth and controlled manner
 Designed to mount between a
 4" (102 mm) wall
 UL classified to meet ANSI/ISEA Z358.1

S19345HXBT

Same features as S19345HXB, except with P-trap
 UL classified to meet ANSI/ISEA Z358.1

S19345HFB

Same features as S19345HXB, except with flush-mounted showerhead
 UL classified to meet ANSI/ISEA Z358.1

S19345HFBT

Same features as S19345HFB, except with P-trap
 UL classified to meet
 ANSI/ISEA Z358.1



S19345JXB

Barrier-Free, Recessed Drench Shower and Eye/Face Wash
 Extended, stainless steel shroud
 Fully recessed, push-down, coated stainless steel handle
 Wide access panel in front of unit for easy accessibility and serviceability
 Gas spring allows the door to descend in a smooth and controlled manner
 Designed to mount between a
 4" (102 mm) wall
 UL classified to meet ANSI/ISEA Z358.1

S19345JXBT

Same features as S19345JXB, except with P-trap
 UL classified to meet ANSI/ISEA Z358.1

S19345JFB

Same features as S19345JXB, except with flush-mounted showerhead
 UL classified to meet ANSI/ISEA Z358.1

S19345JFBT

Same features as S19345JFB, except with p-trap
 UL classified to meet ANSI/ISEA Z358.1

Recommended Emergency TMV

Navigator® EFX 20 (S19-2150)

The current ANSI standard calls for emergency Eyewashes and drench showers to deliver tepid water (60–100° F/ 15.5–37.7°C) for 15 minutes. A thermostatic mixing valve is needed to mix the hot and cold water supply. Bradley's Navigator® TMVs are the most reliable emergency TMVs on the market. One valve is required per plumbed unit.





DRENCH SHOWERHEADS

Recessed flush-mounted showerhead provides smallest footprint in ceiling. For the most durable showerhead, select stainless steel which stands up to corrosion and aggressive impact.



EYEWASHES

When the safety risk targets the eye area, Bradley's Eyewashes are the recommended solution for emergency care. The Halo Eyewash sprayhead flows at approximately 5.1 GPM (19 L/Min), exceeding ANSI's 0.4 GPM (1.5 L/Min) flow rate. The flow gently flushes water directly on the eye to wash out contaminants.



EYE/FACE WASHES

When chemicals and other hazardous liquids can contaminate the face and eyes, an eye/face wash is the solution. Bradley's Halo eye/face wash sprayhead features integral flow controls that provide a soft flush of approximately 5.1 GPM (19 L/Min). Eye/face washes are considered premium fixtures that exceed ANSI's 3.0 GPM (11 L/Min) mandate.



FLOW CONTROLS

In the interest of water conservation, each shower head features an integral 20 GPM (76 L/Min) flow control. This item must be purchased separately for most competing brands.



On-Site[®] Portable Gravity-fed Eyewashes

Overview

The On-Site (S19-921) portable Eyewash is the most innovative gravity-fed Eyewash currently on the market. Employing a patented design, the On-Site is the only Eyewash on the market that uses just 7 gallons of water that provides a full 15-minute flush, at the ANSI-mandated flow rate and maintains a consistent height throughout the spray pattern until the last drop of liquid is depleted from the tank. The translucent white high-density polyethylene tank offers an exclusive vandal-resistant design that makes worker safety a priority.

Key Features

- Translucent tank allows solution level to be checked easily
- High-visibility yellow, molded pedestal
- Vandal-resistant, patented design
- 7 gal/27 L (60 lbs/27 kg) provides full 15-minute flush
- Heater jacket available to prevent freezing
- Complies with ANSI/ISEA Z358.1
- One-year warranty

Emergency Fixture Facts

ANSI requires the visual inspection of self-contained Eyewashes to be certain the tank is full and ready for use. ANSI/ISEA Z358.1 Section 5.5.3

Ideal for locations where a plumbed water source is not available.

Quick Compliance Guide

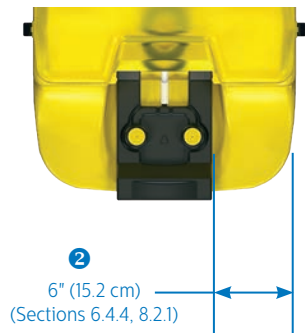
Self-Contained Eyewash Fixtures

- Eyewash unit delivers a minimum of .4 GPM for 15 minutes. (Section 5.3.2)
- Valve mechanism opens in one second or less; it stays open until manually closed. (Section 5.3.2)
- Supply with flushing fluid, (“potable water, preserved water, preserved buffered saline solution or other medically acceptable solution...”) (Definitions, Section 5.1.1)
- Locate 10 seconds or 55’ (16.8 m) from contaminants or hazardous materials. Locate on same plane as the hazard, free of obstructions. (Sections 5.4.2, Appendix B5)
- Use a test gauge to test flow pattern. (Section 5.4.7)
- Frigid conditions require the installation of freeze protection equipment. (Section 5.4.5) ❶

Top down view

Required to be free of obstructions a minimum of 6” (152 mm) from the outside of the Eyewash sprayheads. (Sections 5.4.4) ❷

Use a Bradley test gauge (Model 269-1444) to check flow pattern. ❸



Distance to floor
33–53” (838–1346 mm)
(Sections 5.4.4, 6.4.4)

15-minute Flush	Tepid Water	Third-Party Certifications	Weekly Activations:	Annual Inspections
Compliant fixtures release a continuous flow of tepid flushing fluid for a minimum of 15 minutes. (Sections 5.1.6, 5.4.5, 5.4.6)	(lukewarm) 60–100°F (15.6–37.8°C) encourages full 15 minute flush or until medical personnel arrive. (Definitions, Sections 5.4.6, Appendix B6)	Manufacturers may have their safety fixtures independently evaluated by a third-party testing organization. Look for certification when selecting a compliant fixture. (Definitions)	Flush lines and test by activating weekly. Inspection tags are often included with fixtures to document testing and to satisfy a safety audit. (Sections 5.5.2)	ANSI recommends a comprehensive annual inspection of the facility to evaluate modified work space, assess new hazards introduced into the area, and to identify fixtures needing replacement or repair. (Sections 5.5.5)



S19-921

On-Site® Portable Gravity-fed Eyewash
 Hinged Eyewash tray activates in one quick motion
 Stainless steel clamps secure the tank during transport
 Vandal-resistant unit; foreign objects cannot be introduced into tank because all openings are sealed once the tank is installed
 7 gal (27 L) tank is one of the lightest portable Eyewashes on the market
 Wall bracket (can also deck mount)
 UL classified to meet ANSI/ISEA Z358.1



S19-921H

On-Site Eyewash and Heater Jacket
 Protects against freezing; down to -10°F (-23.3°C)
 Insulated heater jacket conceals a 121-watt heater
 Secondary thermostat prevents overheating if primary thermostat fails
 Requires 120-volt AC line
 UL classified to meet ANSI/ISEA Z358.1



133-152

On-Site translucent white high-density polyethylene tank
 Replacement 7 gal (27 L) tank
 Sold individually



S19-921HR

On-Site Heater Jacket Retrofit Kit
 Heater jacket ships attached to tank
 No tools required

S19-399

On-Site Waste Cart
 High-visibility yellow
 Captures used fluid, 56 gal (212 L) capacity
 Tapered sump, easy to drain



S19-949

On-Site Water Eyewash Kit
 Replacement cap
 Nine liners
 Inspection tag

269-1379

On-Site Foam Liner
 Perforated foam liner
 Sold individually



Portable Pressurized Eyewashes

Overview

Looking for a portable Eyewash that will withstand corrosive materials in isolated locations, can be used on trucks or areas without plumbing that require a 15-minute flush? Bradley's stainless steel portable pressurized tanks resist corrosion, and offer several options for customers that are looking for an Eyewash with a drench hose, or even a tank outfitted with a heater jacket to prevent freezing. Portable pressurized tanks are a versatile, corrosion-resistant solution, to provide an ANSI-compliant fixture in remote or non-plumbed locations. Portable pressurized fixtures balance the volume of water with a predetermined amount of pressure to maximize the time and volume of solution that provides a flush. The portable pressurized Eyewash offers the convenience of a portable unit, is sold in a range of sizes, and the heater jacket option offers flexibility to handle a wide range of applications.

Key Features

- Built-in carrying handles
- Tire filler valve with 0 – 160 psi (1103 kPa) air gauge
- Pressure relief valve to prevent over pressurization
- 8' (2.4 m) drench hose (unless otherwise specified)
- Chrome-plated brass Eyewash
- All items comply with ANSI/ISEA Z358.1

Emergency Fixture Facts

ANSI guidelines require that emergency fixtures supply potable water, preserved water, preserved buffered saline solution, or an alternative medically accepted solution.

ANSI/ISEA Z358.1 Section 3, Definitions

5 GAL (19 L) UNITS

- Eyewash flow: 8 minutes
- Drench hose flow: 2.5 minutes
- Meets ANSI criteria as a personal wash station only

S19-672

Eyewash with drench hose



10 GAL (39 L) UNITS

- Eyewash flow: 15 minutes
- Drench hose flow: 3.5 minutes
- UL classified to meet ANSI/ISEA Z358.1

S19-690

Eyewash with drench hose



S19-690LHS

Eyewash only, no drench hose



S19-690H

Jacket prevents freezing
510-watt heater
Eyewash only



15 GAL (57 L) UNITS

- Eyewash flow: 18 minutes
- Drench hose flow: 5 minutes
- UL classified to meet ANSI/ISEA Z358.1

S19-788

Eyewash and drench hose



S19-788LHS

Eyewash only, no drench hose



S19-788H

Jacket prevents freezing
510-watt heater
Eyewash only





PORTABLE PRESSURIZED EYEWASH ACCESSORIES

S19-690A

Four-wheel, stainless steel transport cart
For use with fixtures without a heater jacket

S19-671HR

HeaterJacket Retrofit Kit for 5 gal (19L) tank

S19-690HR

HeaterJacket Retrofit Kit for 10 gal (39 L) tank

S19-788HR

HeaterJacket Retrofit Kit for 15 gal (57 L) tank



ON-SITE EYEWASH ACCESSORIES

S19-399

High-visibility yellow
Captures used fluid, 56-gallon capacity
Tapered sump, easy to drain

ON-SITE HEATER JACKET RETROFIT KIT

S19-921HR

Heater jacket ships attached to tank
No tools required



DRENCH HOSE SPRAY KITS

Includes all necessary fittings and hanger for attaching hose to Bradley units to provide a body water drench

S19-430EH

Drench hose spray kit that attaches to eyewashes

S19-430SH

Drench hose spray kit for use with drench showers



PRIVACY CURTAIN

S19-330

Universal mounting
Waterproof, 3-ply reinforced vinyl laminate
Chemical and mildew resistant
Curtain Color: high-visibility yellow Dimensions: 70"x 145" (1778 x 3683 mm)
Curtain rail and mounting brackets Stainless steel corrosion resistant Rail dimensions: 1½" x 42" diameter
For a model compatible with barrier-free fixtures, contact Bradley for more information
Not compatible with PVC or heat trace units



DRENCH SHOWER TESTER

S19-330ST

Heavy-duty tester for required weekly activation
Water-tight funnel with weighted bottom
Dimensions: 84" (2134 mm) long
8' (2.4 m) telescoping aluminum handle

S19-322 SERIES

S19-322E

UL listed 1/2" (32mm) flow switch
 NEMA 1 signaling system
 Universal AC Input: 90-264 AC
 Flashing amber LED signal light
 For eye or eye/face washes



S19-322D

UL listed 1/4" (32mm) flow switch
 NEMA 1 signaling system
 Universal AC Input: 90-264 AC
 Flashing amber LED signal light
 For drench showers or combination units



S19-323 SERIES

S19-323E

UL listed 1/2" (13 mm) brass flow switch
 NEMA 3R signaling system
 6' (1.8 m) Cable
 For eye or eye/face wash
 Universal AC Input: 90-264 AC
 Amber signal light



S19-323D

UL listed 1/4" (32mm) brass flow switch
 NEMA 3R signaling system
 6' (1.8 m) Cable
 For drench shower or combination units
 Universal AC Input: 90-264 AC
 Amber signal light



S19-324 SERIES

S19-324E

Brass UL listed 1/2" (13mm) flow switch
 NEMA 4X signaling system
 6' (1.8 m) Cable
 For eye or eye/face wash
 Silence switch with auto reset
 Universal AC Input: 90-264 AC
 Amber signal light



S19-324D

Brass, UL listed 1/4" (32 mm) flow switch
 NEMA 4X signaling system
 6' (1.8 m) Cable
 For drench showers or combination units
 Silence switch with auto reset
 Universal AC Input: 90-264 AC
 Amber signal light



S19-324DG, S19-324DGW

Brass UL listed 1/4" (32 mm) flow switch
 NEMA 4X signaling system
 6' (1.8 m) Cable
 Silence switch with auto reset
 Green beacon light
 White area light (S19-324DGW only)
 For drench showers or combination units
 Universal AC Input: 90-264 AC
 Amber signal light



S19-324EG, S19-324EGW

UL listed 1/2" (13mm) brass flow switch
 NEMA 4X signaling system
 6' (1.8 m) Cable
 Silence switch with auto reset
 Green beacon light
 White area light (S19-324EGW only)
 For eye wash or eye/face washes
 Universal AC Input: 90-264 AC
 Amber signal light



S19-324 SERIES CONTINUED

S19-324D2D/HT

Explosion-Proof Emergency Signaling System
(Class 1 Division 2, Groups B, C & D)

NEMA 4X

Brass UL listed 1¼" (32 mm) flow switch

For drench shower or combination units

Amber signal light

S19-324D2DHT for S19-304

Heat traced combination units



S19-324D1D/HT

Explosion-Proof Emergency Signaling System
(Class 1 Division 1, Groups C & D)

NEMA 4X

Brass UL listed 1¼" (32 mm) flow switch

For drench shower or combination units

Amber signal light

S19-324D1DHT for S19-304

heat traced combination units



FREEZE AND SCALD PROTECTION VALVES

Bradley's freeze and scald protection valves coupled with Navigator tempering systems serve an important role. Although the tempering system supplies the fixture with tepid water, environmental conditions may cause the water to freeze or become scalding hot. To ensure the fixture is ready to use and the water is safe for your employees at all times, consider the addition of a freeze or scald protection valve, to bleed off water in extreme temperatures.

S45-1986

Freeze Protection Valve Kit

For use with Eyewashes



S45-1987

Freeze Protection Valve Kit

For use with drench showers



Classic combination fixtures require one each of S45-1986 and S45-1987. Halo combination fixtures only require one S45-1986.

S45-1989

Scald Protection Valve Kits

For use with Eyewashes



S45-1990

Scald Protection Valve Kits

For use with drench showers



Classic combination fixtures require one each of S45-1989 and S45-1990. Halo combination fixtures only require one S45-1989.

Don't see the signaling system you are looking for? Go to page 58–60 to use the S19-324 Configurator

EYEWASH HANDLE, BALL VALVE AND HARDWARE

S30-070

Stainless steel handle

Hardware

½" (13 mm) NPT stay-open ball valve



S30-072

Stainless steel handle

Hardware

½" (13 mm) NPT stay-open ball valve

For stainless steel hinged dust covers only

S30-074

Left-hand activation conversion kit for pedestal-mounted or combination fixtures

Stainless steel handle

Hardware

½" (13 mm) stay-open ball valve

EYEWASH HANDLE, BALL VALVE AND HARDWARE ONLY

S08-336

Stainless steel handle only

Vertical valve applications only

S08-338

Stainless steel handle only

Horizontal valve applications only

S30-075

Left-hand activation conversion kit for pedestal-mounted or combination fixtures

Stainless steel handle

Hardware

For S19-270BL Eyewash only

S30-087

Stainless steel handle

Hardware

For stainless steel hinged dust covers only

S30-071

Stainless steel handle

Hardware

EYEWASH BALL VALVES ONLY

S27-282

Brass ½" NPT stay-open ball valve only

S27-287

Stainless steel ½" NPT stay-open ball valve only

SPRAYHEAD AND SPRAY RING ASSEMBLIES

S45-2453

Includes orange flow control

2.4 GPM (9 L/Min) flow control inside each head;
total flow from both heads is 4.8 GPM (18 L/Min)

Eye/face wash sprayheads only



S39-394

Eyewash head assembly with supply stem



S39-396

Eye/face wash sprayhead
assembly with supply stem



S39-681

Eye/face wash sprayhead assembly

Stem not included

S39-682

Eye/face wash assembly

For use with PVC unit only

Stem not included

S39-397

Eyewash and spray ring assembly
with supply stem



DUST CAPS

107-371

Dust caps only

Sold individually; two required
per Eyewash

Approximately
1" (25 mm) x 1" (25 mm)

Yellow plastic tether



S53-063

Dual eye/face wash dust caps only

Sold individually; two required
per Eyewash

2¼" (57 mm) x 1" (25 mm)

Beaded chain tether



S53-310

Eyewash dust cap

Sold individually; two required
per Eyewash

1" (25 mm) x 1" (25 mm)

Not for use with portable
pressurized tank Eyewashes



BOWLS

154-058

10" (254 mm) diameter impact-
resistant plastic Eyewash bowl



187-053

10¾" (273 mm) diameter stainless
steel Eyewash bowl



STEM SPACERS

113-1159

Stainless steel stem spacer

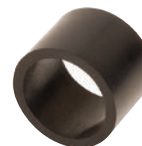
For use in fixtures with stainless steel bowl



113-1185

Black plastic stem spacer

For use in fixtures with yellow plastic bowl



STEM ASSEMBLIES

EYEWASH FIXTURES ONLY

S21-071 Brass

S21-072 SS304



EYEWASH WITH SPRAY RING FIXTURES ONLY

S21-073 Brass

S21-074 SS303

S21-075 SS316

113-1150

Brass stem only: for units with dual black eye/face heads

113-1151

Stainless steel stem only: for stainless steel units with dual black eye/face wash heads

EYEWASH AND EYE/FACE WASH FLOW RESTRICTORS

125-167

3.7 GPM (14 L/Min) flow restrictor

Pink

For Eyewash with face spray ring

Stem not included



125-032

3.5 GPM (13 L/Min) flow restrictor

Black

For swing activated or swing-down units

CLASSIC STEM ASSEMBLIES

Sprayhead Assembly	Galvanized Fixture with Plastic Bowl	Galvanized Fixture with Stainless Steel Bowl	Standard Stainless Steel Fixture	316 Stainless Steel Fixture
Eyewash Only	S21-071 113-1185	S21-071 113-1159	S21-072 113-1159	S21-075 113-1159
Eye/Face Wash with Spray Ring	S21-073 113-1185	S21-073 113-1159	S21-074 113-1159	None
Eye/Face Wash w/ Dual Black Heads	113-1150	113-1150	113-1151	None

Spacer 113-1159 or 113-1185 is required for units that shipped on or before 11/2/2005.

Assemblies include stem and appropriate flow control. Stems S21-036 and S21-050 are obsolete.

REPLACEMENT PARTS – HALO

187-320

Plastic bowl



S05-190

Sprayhead assembly



S05-192

Sprayhead assembly



S05-205

316 stainless steel sprayhead assembly



S08-390

Handle kit



S27-327

Chrome-plated ½" ball valve



S27-328

Stainless Steel ½" ball valve



S45-2675

Eyewash cover kit

S45-2676

Eye/Face wash cover kit

S65-339

O-ring and screen



S88-068

O-ring screen and flow control



S90-388

Stainless steel bowl cover kit



S90-390

Plastic bowl cover kit



S90-391

Stainless steel bowl kit



S90-392

Stainless steel bowl kit
316 stainless steel



RETROFIT CLASSIC DUST COVERS

S45-1964

Compatible with any Bradley classic plastic Eyewash bowl
 Fixture not included



S45-2396

For use with any Bradley classic Eyewash bowl
 Includes welded stainless steel clam shell cover,
 stainless handle with teather and quick release pin



DRENCH SHOWER HANDLE FOR STANDARD UNITS

128-156A

25½" (648 mm) pull rod only
 Standard pull rod shipped with
 non-barrier-free showers

128-156B

36" (914 mm) pull rod only



DRENCH SHOWER HANDLE FOR BARRIER-FREE UNITS

128-156C

48" (1219 mm) pull rod only



128-156D

45½" (1156 mm) pull rod only
 Standard pull rod shipped with
 barrier-free showers



128-156E

57" (1448 mm) pull rod only



128-156F

69" (1753 mm) pull rod only



DRENCH SHOWER HANDLE FOR HEAT TRACE UNITS

128-157

27-3/4" (705mm) 316SS pull rod only

SPINTEC SHOWERHEAD RETROFIT KITS

Universal retrofit kits include all items shown

S24-192

Ornamental plastic shroud with ring – showerhead nozzle not included



S24-193

Ornamental stainless steel shroud with ring – showerhead nozzle not included



S24-194

Showerhead nozzle and 90° elbow



S24-195

Ornamental plastic shroud with ring, showerhead nozzle and 90° elbow



S24-196

Ornamental stainless steel shroud with ring, showerhead nozzle and 90° elbow



S24-200

304 Stainless steel showerhead and 90° elbow



S24-202

In-ceiling recessed showerhead assembly, with 5-7/8" (149 mm) white steel shroud, includes 90° elbow



154-147

Ring only



DRENCH SHOWER BALL VALVE

S27-278

Chrome-plated brass 1" (25 mm) ball valve only

S30-059

Chrome-plated brass 1" (25 mm) ball valve with lever



S30-061

Stainless steel 1" (25 mm) ball valve with lever

DRENCH HOSE REPLACEMENT PART VALVES

S39-817

Replacement valve with drench hose sprayhead



HOSES

S89-002

8' (2.4 m) yellow thermoplastic hose



S89-003

6' (1.8 m) stainless steel hose

269-053

12' (3.7 m) yellow thermoplastic hose Recoiling

269-054

25' (7.6 m) yellow thermoplastic hose Recoiling

HOSE GUIDE BRACKET

140-226

Drench hose guide bracket

For deck-mounted applications



HOSE SPRAY VALVE

S27-265

Replacement valve only

BACK-FLOW PREVENTION

S27-303

Dual check valve, Series 7



S45-2309

Dual check vacuum breaker, Series 9



S45-2310

Dual check vacuum breaker with intermediate atmospheric vent, Series 9D



SAFETY SIGNS

114-050

Drench shower sign



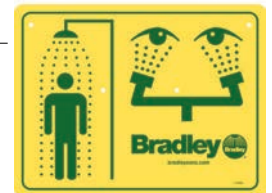
114-051

Eyewash sign



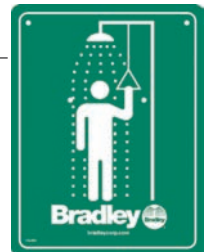
114-052

Combination shower and Eyewash sign



114-050E

International safety drench shower sign



114-051E

International safety Eyewash sign



114-052E

International safety combination drench shower and Eyewash sign



ON-SITE WATER EYEWASH KIT

S19-949

Replacement cap
Nine liners
Inspection tag



ON-SITE FOAM LINER

269-1379

Perforated foam liner
Sold individually

GRAVITY FED TANK

133-152

Seven gallon tank



MISCELLANEOUS SUPPLIES

269-964

Safety yellow touch-up paint
12-oz. aerosol



204-421

Inspection tag
Sold individually



269-1444

Eyewash test gauge



FOOT TREADLE KITS

S39-395

Includes all necessary fittings for attaching to wall-mounted Eyewashes for hand or foot operation



S45-572

Includes all necessary fittings for attaching to Bradley pedestal-mounted Eyewashes and combination showers for hand or foot operation



S45-620

Same as S45-572, except designed for S19-310PVC shower only

S45-1314SS

Stainless steel type 316 foot treadle that includes all necessary type 304 fittings for attaching to Bradley pedestal-mounted Eyewashes and combination showers/ Eyewashes for hand or foot operation

S45-1314SS16

Stainless steel type 316 foot treadle that includes all necessary type 316 fittings for attaching to Bradley pedestal-mounted Eyewashes and combination showers/ Eyewashes for hand or foot operation

OPTIONAL ADAPTERS

153-395

Female, 13/16" (21 mm) x 24–Chrome

153-396

Male, 3/8" (10 mm) NPSM–Chrome

153-401

Female, 3/4" Garden Hose–Chrome

Standard Specifications

Halo S19214, S19224 & S19314 Series

Eyewash Bowl

14" (356 mm) corner to corner, yellow impact-resistant plastic, Type 304 corrosion-resistant stainless steel or Type 316 corrosion-resistant stainless steel

Sprayhead Assembly

All sprayhead assemblies include flow control to assure safe, steady water flow under varying water supply conditions (up to 90 PSI) and flip-top protective spray covers

Halo Eyewash

- ABS plastic soft-flow sprayheads designed to gently cleanse the eyes
- Exceeds minimum water flow: 0.4 GPM (1.5 L/Min) at 30 psi (207 kPa)
- Flip-open dust covers that open automatically when unit is activated
- Self-draining design eliminates standing water

Halo Eye/Face Wash

- ABS plastic soft-flow sprayheads designed to gently cleanse the eyes and face
- Exceeds minimum water flow: 3.0 GPM (11 L/Min) at 30 psi (207 kPa)
- Flip-open dust covers that open automatically when unit is activated
- Self-draining design eliminates standing water

SpinTec Showerhead

- 3.1" (79 mm) diameter
- Uniform distribution of water
- Integral flow control provides a minimum of 20 GPM (76 L/Min)

ANSI Compliance

Unless otherwise indicated, all units comply with the ANSI/ISEA Z358.1 standard

Eyewash Valve

½" stay-open eye and eye/face wash valve manufactured of the following materials and supplied with either type 304 or 316 stainless steel handle that can be activated from both the left and right side of the unit

- Chrome-plated brass
- Type 316 stainless steel

Shower Valve

1" (25 mm) stay-open eye and eye/face wash valve manufactured of the following materials and supplied with either type 304 or 316 stainless steel pull rod

- Chrome-plated brass
- Type 316 stainless steel

Pipe and Fittings

- 1¼" piping assembly manufactured of one of the following materials
- Galvanized steel with BradTect safety yellow coating
- Type 304 corrosion-resistant stainless steel
- Type 316 corrosion-resistant stainless steel
- Chrome-plated red brass.

Water Supply

Wall-mounted and pedestal-mounted: ½" NPT female

Waste

Eyewash: 1¼" NPT female drain fitting

Transparent Plastic or Stainless Steel Dust Cover

- Protects entire bowl to keep contaminants, dust, and other debris from Eyewash area
- Dust cover opens when push handle is activated
- Constructed of transparent yellow impact-resistant plastic, type 304 corrosion-resistant stainless steel or type 316 corrosion-resistant stainless steel.

Additional Features

- **Eyewash mounting**
Heavy-gauge aluminum with four clearance holes for wall mounting (hardware not included) All units are barrier free when mounted at the correct height
- Separate supply and waste, eliminates cross contamination risk
- Contains an antimicrobial agent to protect the sprayhead
- UL recognized to meet the ANSI/ISEA Z358.1 Standard

Standard Specifications

(exceptions noted)

SpinTec Showerhead

- Yellow, impact-resistant plastic or corrosion-resistant stainless steel
- 3.1" (79 mm) diameter
- Uniform distribution of water
- Integral flow control provides a minimum of 20 GPM (76 L/Min)

Drench Hose

- 8' (2.4 m) yellow, reinforced thermoplastic hose (unless otherwise specified)
- 450 PSI burst strength
- Recoiling hose (where specified) retracts for storage while allowing easy extension in emergency situations

ANSI Compliance

Unless otherwise indicated, all units comply with the ANSI/ISEA Z358.1 standard

Drench Hose Series S19-430 through S19-630 Specifications

Drench Hose Valve

Chrome-plated valve with extended reinforced handle remains open once handle is squeezed.

- S19-630: Uses a 1/2" (13 mm) NPT chrome-plated brass, stay-open ball valve operated by a stainless steel push handle

Water Supply

Drench hoses: 3/8" (10 mm) NPT male thread with removable 1/2" NPT female reducing coupling

Series S19-921 On-Site® Gravity-Fed Eyewashes

On-Site Gravity-Fed Eyewash

Can be mounted on a wall or deck. Stainless steel bracket included for wall mounting. Molded handle design for easy transportability. Should be placed in a fixed location when completely assembled and filled with fluid.

- Seven-gallon fill capacity
- Easy to clean, refill, and check solution
- Meets 15-minute minimum flushing requirement at 0.4 GPM
- Translucent white high-density polyethylene tank – visual reminder when it is time to clean or refill the tank
- Blow-molded design prevents leakage
- Opaque yellow, polypropylene pedestal with hinged Eyewash tray
- Eyewash tray pulls down in one quick motion – water flow is activated by this motion
- Removable tank is inverted onto the pedestal, piercing a liner
- Weighs 23 lbs (10 kg) when empty and 60 lbs (27 kg) filled

On-Site Waste Cart

Utilized with the Gravity-Fed Eyewash product.

- High-visibility yellow, polyethylene with 56 gal (212 L) capacity
- Captures used fluid from unit
- Tapered sump allows for easy drainage

Gravity-Fed Heater Jacket

- 121-watt heater enclosed in an insulated jacket
- Secondary thermostat with warning light and manual reset button helps prevent overheating in case of primary thermostat failure
- Requires 120-volt AC line
- All UL-listed components

Drench Shower Series S19-110 thru S19-130 and Combination Units Series S19314 Shower Specifications

Shower Valve

1" (25 mm) NPT chrome-plated brass, stay-open ball valve operated by a stainless steel pull rod with triangular handle.

- Barrier-free pull rod extends to 48" from floor

Pipe and Fittings

Standard: Galvanized steel pipe protected with BradTect yellow coating (unless otherwise specified).

- Vertical/horizontal shower: 1" (25 mm) pipe
- Freestanding shower, combination units: 1¼" pipe
- PVC combination shower: 2" (51 mm) Schedule 80

Water Supply

- Vertical/horizontal shower: 1" (25 mm) NPT female
- Freestanding shower, combination and barrier-free units: 1¼" NPT female

Combination 310TW Frost-Proof Units

Eyewash Bowl/Sprayhead/Showerhead

See standard specifications

Through Wall Units

- Standard option is 8–12" (203–305 mm) wall thickness
- 0–8" (0–203 mm) and 12–18" offered as special orders

Valve

1" (25 mm) NPT chrome-plated brass, stay-open ball valve is hand operated by a stainless steel handle

Pipe and Fittings

1¼" galvanized steel pipe protected by BradTect yellow coating (unless otherwise specified)

Water Supply

- ½" (13 mm) NPT female (model S19-220HFP)
- 1" (25 mm) NPT female (model S19-120HFP)
- 1¼" (32 mm) NPT female (all other models)

Eyewash Series S19-200 thru S19-274JDB; Combination Units Series S19314 Plumbed Eyewash Specifications

Eyewash Valve

½" NPT chrome-plated brass, stay-open ball valve operated by a high-visibility yellow PVC or stainless steel (where specified) push handle.

• **Faucet-mounted unit**

Activates when water is turned on at faucet and activator pin on Eyewash is pulled toward user

Applied water pressure keeps activator pin open
Faucet will maintain normal operation for hand washing, etc. when activator pin is closed

• **Swing-activated units (where indicated):**

The swinging motion of the unit operates Eyewash valve – no additional handle is required

Pipe and Fittings

Standard: Galvanized steel pipe protected with BradTect yellow coating (unless otherwise specified); laboratory and swing-activated units are primarily chrome-plated brass.

- Wall-mounted Eyewash, laboratory Eyewash: ½" pipe
- Pedestal Eyewash: 1¼" pipe

Water Supply

- Wall-mounted, pedestal-mounted, swing-activated Eyewash ½" NPT female
- Laboratory: ½" NPT (unless otherwise specified)

Waste

Eyewash: Dome-type strainer and 1¼" NPT female drain fitting with tailpiece (P-trap to conform to local codes by others unless otherwise specified)

Hinged Stainless Steel Dust Cover

- Protects entire bowl to keep contaminants, dust, and other debris from Eyewash area
- Dust cover springs open when push handle is activated

Additional Features

• **Eyewash wall bracket**

Heavy-gauge aluminum with three clearance holes for wall mounting (hardware not included)

Barrier-free unit is stainless steel with four clearance holes for wall mounting

Series S19-304 Heat Traced Showers

Showerhead/Sprayheads

See standard specifications

Shower Valve

1" (25mm) NPT chrome-plated brass, or 316 stainless steel, stay-open valve is operated by a stainless steel pull rod with triangular handle

Eyewash Valve

½" NPT chrome-plated brass, or 316 stainless steel, stay-open valve hand operated by a stainless steel handle

Pipe and Fittings

1¼" galvanized steel, 304 stainless steel, or 316 stainless steel.

Electric Heat Trace Cable*

- Wraps around pipe, cable is self-regulated to 50°F (10°C) to protect against overheating and cold spots
- Thermal rating: 5 watts/foot
- Service voltage: 120-volt AC or 240-volt AC
- Amperage/wattage: .7 amp/80 watts at 50°F (10°C) unit water temperature

Pipe Insulation

- ¾" polyethylene closed cell encases pipe and heat trace cable
- Vertical semi-split allows insulation to be easily removed and re-assembled

Protective Outer Shell

- UV-stabilized ABS plastic
- Six easy-to-remove sections
- Designed for quick repairs and maintenance
- Sealed with rivets for added weather protection
- Resists chemical and other harsh environments

Freeze Protection Valve

- Continual flow of water when internal temperatures drop below 35°F (2°C)
- Valve closes at 45°F (7°C)
- Max pressure rating of 200 psi (1379 kPa)

Thermostat*

Opens at 64°F (18°C) and closes at 54°F (12°C)

Junction Box

General area junction box is plastic with one extra ¾" conduit hole. Hazardous location junction boxes are aluminum with multiple hubs. Accepts ¾" IPS conduit.

Water Supply

- 1¾" (44 mm) NPT male top or bottom supply

* Standard specification components are rated for General Area, Class 1 Division 2 Groups B, C, and D, Class 1 Division 1 Groups C and D, and Class II Division 1 and 2 Groups E, F, C and G. All units are CSA listed.

Series S19-672 thru S19-788 Pressurized Stainless Steel Eyewash Tanks

Eyewash Sprayhead/Drench Hose

- See standard specifications
- Available in 5 gal (19 L), 10 gal (39 L) and 15 gal (57 L) capacities. Built-in carrying handles and resilient bottom. Tire filler valve with 0-160 PSI (0-1100 kPa) air gauge. Pressure relief valve prevents accidental over pressurization.

NOTE: Do not exceed 130 PSI tank pressurization.

Portable Heated Units

- Secondary thermostat with manual reset button helps prevent overheating in case of primary thermostat failure
- Plugs into any 120-volt AC line
- All UL listed components.
- 10 gal (39 L) and 15 gal (57 L) units provide 15 minutes of tempered water flow from Eyewash
- GFCI recommended

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