

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

Safety Industrial Solutions. Brought to Life.





WHAT'S NEW!

Halo Swing Activated
Faucet/Eyewash (P 69)

Navigator Valve for Emergency
Eyewash and Faucet (P 53)



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FAST SHIPPING

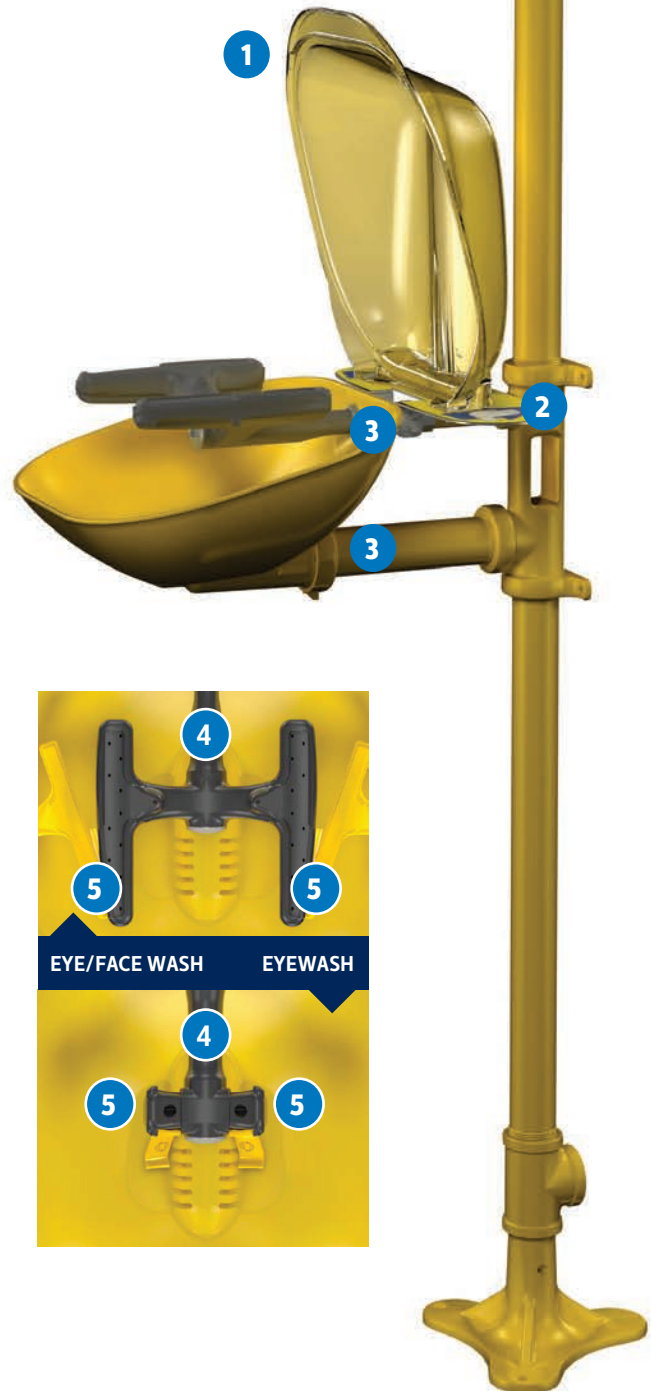
Bradley's **BradEX**® shipping program allows you to prepare for upcoming inspections and respond to changing workplace needs. Fast replacements are just a phone call away and will ship within two days. The **BradEX**® shipping feature is available for a wide range of product, at no extra cost.

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 selfdraining 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.



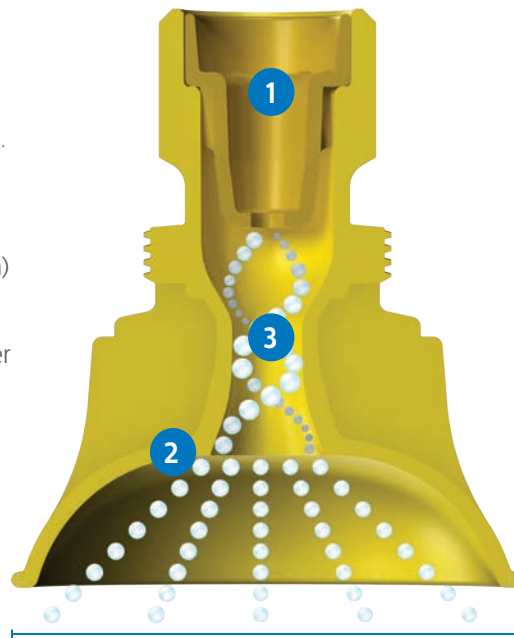
SPINTEC™

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

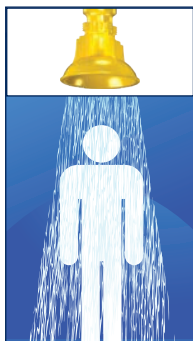
Showerhead is constructed of ABS plastic so it is highly corrosion resistant.

- 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

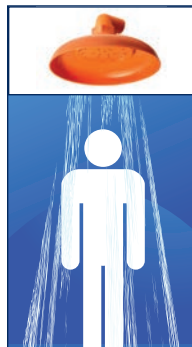


Smaller profile reduces risk of damage in busy industrial environments

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.



SpinTec Showerhead with Stainless Steel Shroud

Provides new showerhead with a traditional looking shroud.

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, biohazards
- 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

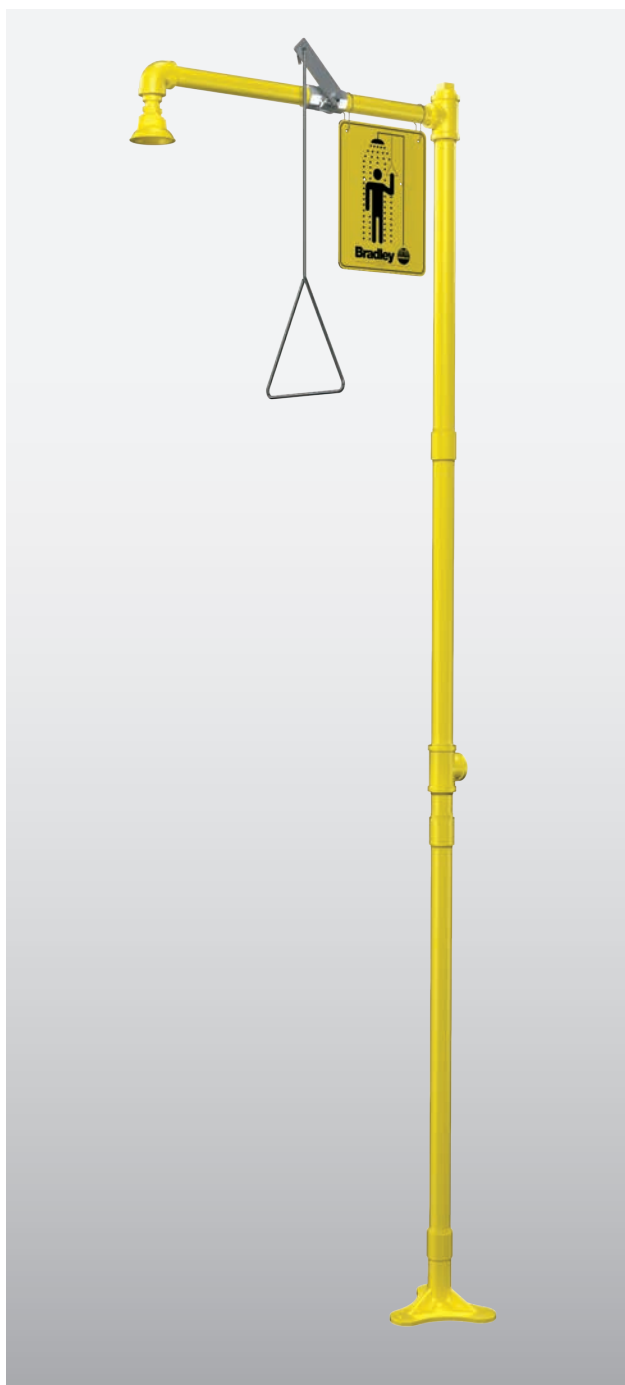
The U.S. Code of Federal Regulations 29CFR 1910.151 states: "Where the eyes or body of any person may be exposed to injurious corrosive materials, suitable facilities for quick drenching or flushing of the eyes and body shall be provided within the work area for immediate emergency use."

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
- AS/NZS4775:2007 & AS4020 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.



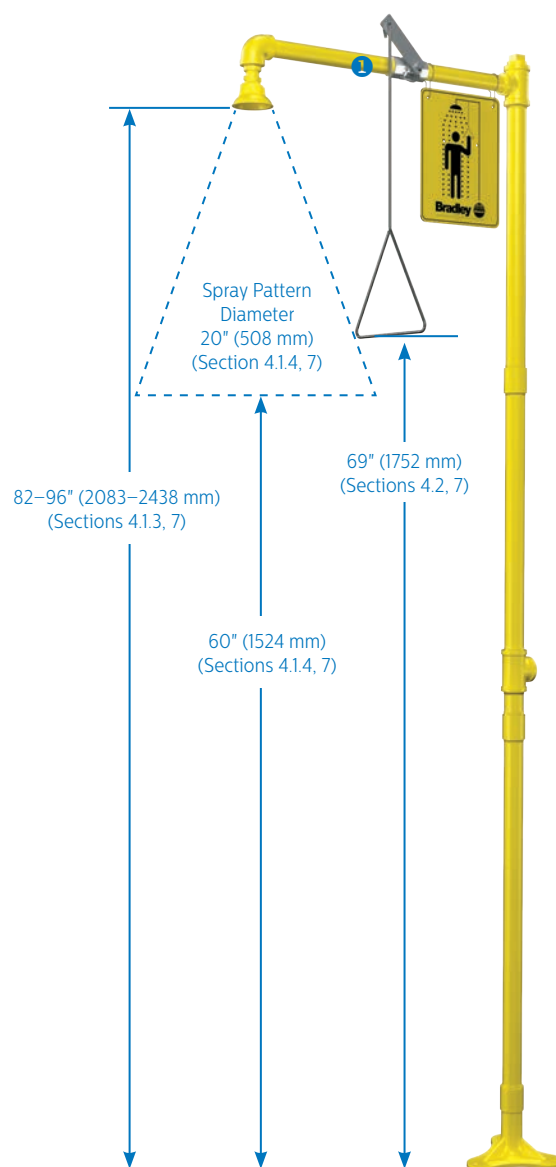
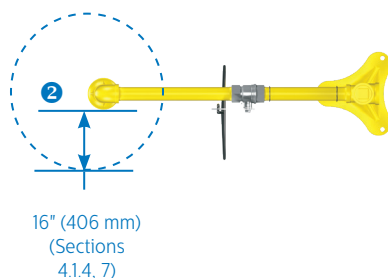
Quick Compliance Guide

Safety Drench Showers

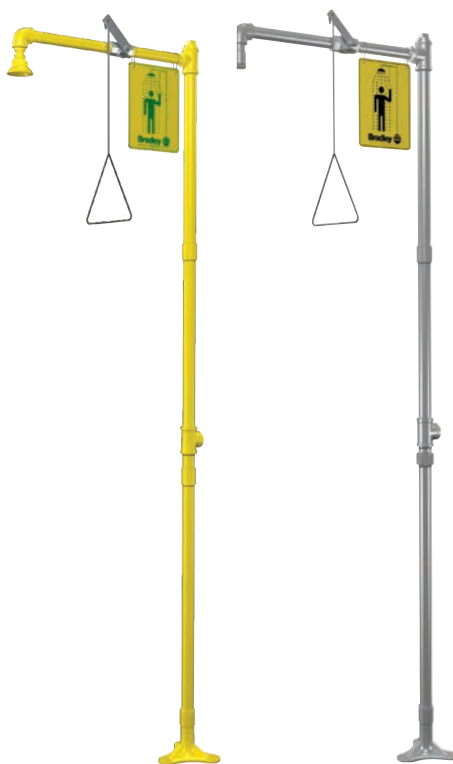
- Valve mechanism opens in one second or less; it stays open until manually closed. (Section 4.2) ①
- Supply with flushing fluid ("potable water, preserved water, preserved buffered saline solution or other medically acceptable solution..."). (Definitions, Sections 4.1.1, 4.4.1)
- Locate 10 seconds or 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 BradText corrosion-resistant yellow coating
Plastic showerhead
UL classified to meet ANSI/ISEA Z358.1

S19-110Z

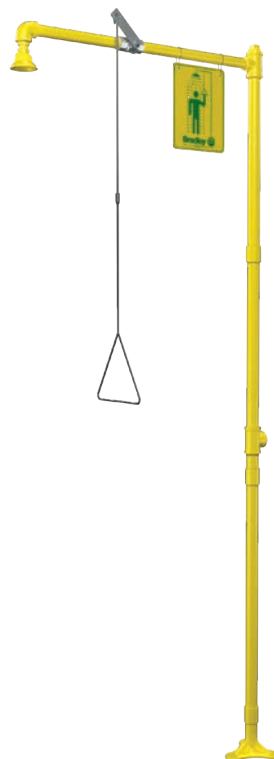
Same features as S19-110, except with BSPP thread
UL classified to meet ANSI/ISEA Z358.1

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

S19-110SSZ

Same features as S19-110SS except with BSPP thread
Certified to AS4775 and AS4020



S19-110BF



Barrier-free Freestanding Drench Shower – fully accessible to people with physical disabilities
BradText 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

S19-110BFSSZ



Same features as S19-110BFSS except with BSPP thread
Certified to AS4775 and AS4020



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
- AS/NZS4775:2007 & AS4020 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 BradTest corrosion-resistant yellow coating

Impact-resistant plastic showerhead

UL classified to meet ANSI/ISEA Z358.1

S19-120Z

Same features S19-120, except with BSPP thread

UL Classified to meet ANSI/ISEA Z358.1



S19-120A

Same features as S19-120, except with stainless steel shroud

UL classified to meet ANSI/ISEA Z358.1

S19-120AZ

Same features S19-120A, except with BSPP thread

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

S19-120SSZ

Same features as S19-120SS except with BSPP thread

Certified to ANSI/ISEA Z358.1



S19-120HFP

Frost Proof Horizontal Drench Shower

Galvanized steel protected with BradTest corrosion-resistant yellow coating

Impact-resistant plastic showerhead

Available in three wall thicknesses:

S19-120HFP8 0–8" (0–203 mm)

S19-120HFP12 8–12" (203–305 mm) – standard

S19-120HFP18 12–18" (305–457 mm)

UL classified to meet ANSI/ISEA Z358.1



S19-120P

Horizontal Drench Shower with Hose Spray

Galvanized steel protected with BradTest corrosion-resistant yellow coating

Impact-resistant plastic showerhead

Includes 8' (2.4 m) drench hose for body rinse

Easily wall mounted

UL classified to meet ANSI/ISEA Z358.1

**S19-120T**

Horizontal Drench Shower.

Chrome-plated, brass pipe and fittings for bright, mirror finish

Impact-resistant stainless steel shroud

Easily wall mounted

UL classified to meet ANSI/ISEA Z358.1

**S19-120FM**

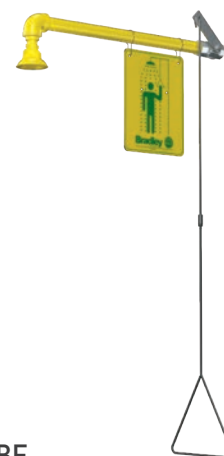
Flush-mount Horizontal Drench Shower

Integral flange mounts flush with ceiling

Concealed pipe and fittings

Galvanized steel protected with BradTect corrosion-resistant yellow coating

UL classified to meet 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

**S19-120SSBF**

Same features as S19-120BF, except is an all stainless steel fixture

UL classified to meet ANSI/ISEA Z358.1

**S19-120SSBFZ**

Same features as S19-120SSBF except with BSPP thread

Certified to AS4775 and AS4020

**S19-120ABF**

Same features as S19-120BF, except with stainless steel shroud

UL classified to meet ANSI/ISEA Z358.1

S19-120FMBF

Barrier-free

Integral flange mounts flush with ceiling

Concealed pipe and fittings

Galvanized steel protected with BradTect corrosion-resistant yellow coating

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

S19-130Z

Same features as S19-130,
except with BSPP thread
Certified to AS4775 and AS4020



S19-130SS

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

S19-130SSZ

Same features as S19-130SS,
except with BSPP thread
Certified to AS4775 and AS4020



S19-130A

Same features as S19-130, except
with stainless steel shroud
UL classified to meet ANSI/ISEA Z358.1



S19-130BF

Barrier-free
Impact-resistant plastic showerhead
UL classified to meet ANSI/ISEA Z358.1

S19-130ABF

Same features as S19-130BF, except
with stainless steel showerhead
UL classified to meet ANSI/ISEA Z358.1



S19-130SSBF

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

S19-130SSBFZ

Same features as S19-130SSBF
except with BSPP thread
Certified to AS4775 and AS4020



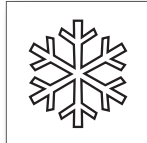
FLOW CONTROLS

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 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
- AS/NZS4775:2007 & AS4020 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

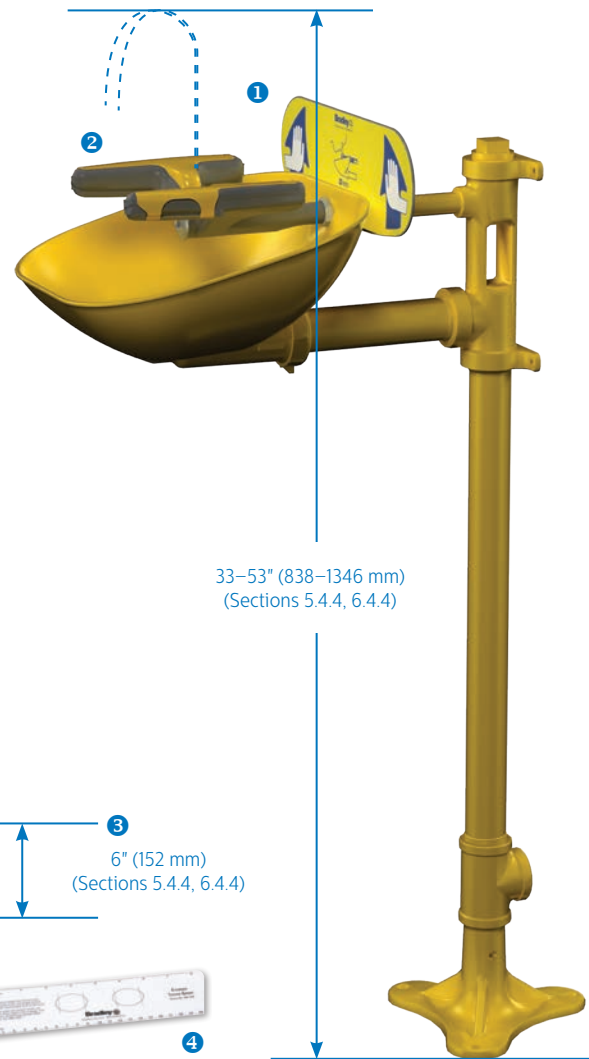
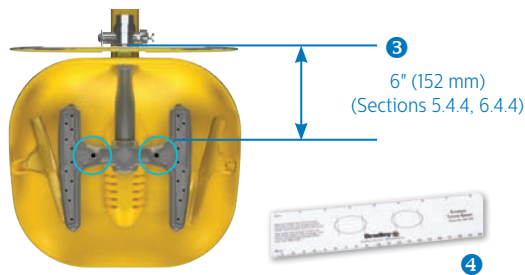
Eye and Eye/Face Wash Fixtures

- Valve mechanism opens in one second or less; it stays open until manually closed. (Sections 5.2, 6.2) ❶
- 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) ❷
- 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) ❸

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



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



S19214EWZS

Eyewash with plastic bowl
All stainless steel piping
BSPP thread
Certified to AS4775 and AS4020



S19214B

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

S19214EWZ

Same features as S19214EW
except with BSPP thread

S19214BZ

Same features as S19214B
except with BSPP thread



S19214BZS

Eyewash with stainless steel bowl
All stainless steel piping
BSPP thread
Certified to AS4775 and AS4020



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



S19214PDCZS

Eyewash with plastic bowl and dust cover
All stainless steel piping
BSPP thread
Certified to AS4775 and AS4020

S19214PDCZ

Same features as S19214PDC
except with BSPP thread



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

S19214DCZ

Same features as S19214DC except with BSPP thread



S19214DCZS

Eyewash with stainless steel bowl and dust cover
All stainless steel piping
BSPP thread
Certified to AS4775 and AS4020



S19214FW

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

S19214FWZ

Same features as S19214FW except with BSPP thread



S19214FWZS

Eye/face wash with plastic bowl
All stainless steel piping
BSPP thread
Certified to AS4775 and AS4020



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

S19214YZ

Same features as S19214Y except with BSPP thread



S19214YZS

Eye/face wash with stainless steel bowl
All stainless steel piping
BSPP thread
Certified to AS4775 and AS4020



S19214YF

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

S19214YFZ

Same features as S19214YF except with BSPP thread



S19214YFZS

Eye/face wash with stainless steel bowl
Hand or foot operation
All stainless steel piping
BSPP thread
Certified to AS4775 and AS4020



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

S19214PZ

Same features as S19214P except with BSPP thread
AS4775 & AS4020 certified



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

S19214PDCFWZ

Same features as S19214PDCFW except with BSPP thread



S19214PDCFWZS

Eye/face wash plastic bowl and dust cover
All stainless steel piping
BSPP thread
Certified to AS4775 and AS4020



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

S19214DDCFWZ

Same features as S19214DCFW except with BSPP thread



S19214DCFWZS

Eye/face wash stainless steel bowl and dust cover
All stainless steel piping
BSPP thread
Certified to AS4775 and AS4020



S19214BSS

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

S19214BSSZ

Same features as S19214BSS except with BSPP thread
Certified to AS4775 and AS4020



S19214SC

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

S19214SCZ

Same features as S19214SC except with BSPP thread



S19214SS

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

S19214SSZ

Same features as S19214SS except with BSPP thread



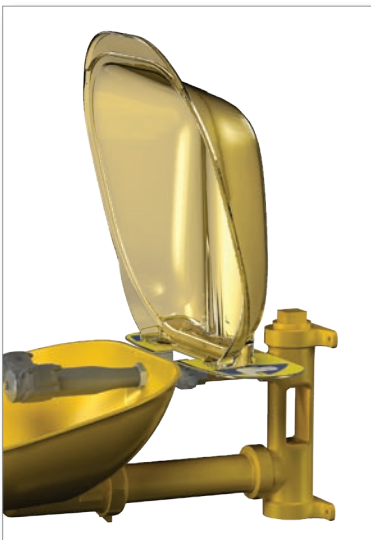
EYEWASHES

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.

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.

-
- | Country | Percentage of respondents |
|-----------------|---------------------------|
| USA and Canada | 50% |
| Other countries | 50% |

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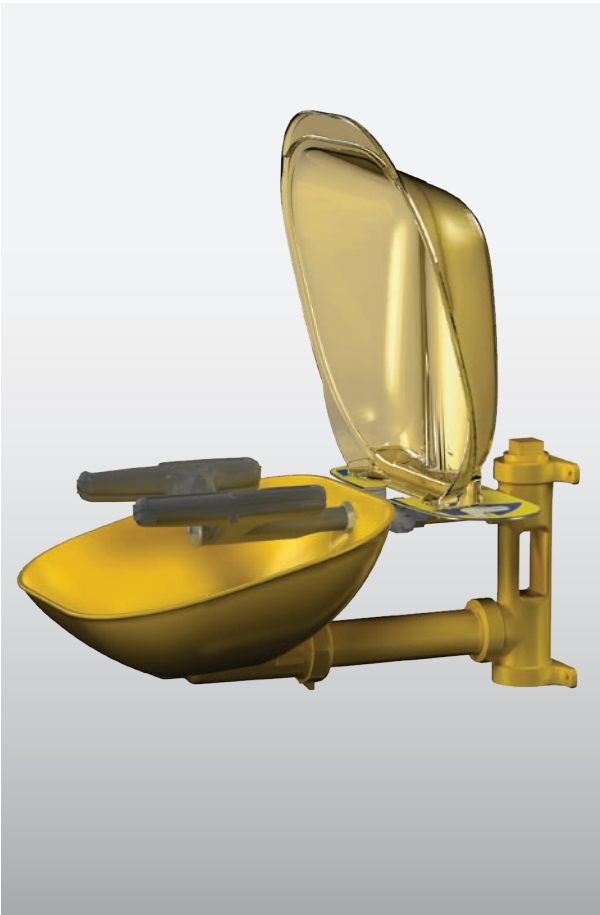
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S19224 series

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
- AS/NZS4775:2007 & AS4020 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.





S19224EW

Eyewash with plastic bowl

Galvanized steel protected with BradTect corrosion-resistant yellow coating

UL classified to meet ANSI/ISEA Z358.1

S19224EWZ

Same features as S19224EW except with BSPP thread



S19224EWZS

Eyewash with plastic bowl

All stainless steel piping

BSPP thread

Certified to AS4775 and AS4020



S19224B

Eyewash with stainless steel bowl

Galvanized steel protected with BradTect corrosion-resistant yellow coating

UL classified to meet ANSI/ISEA Z358.1

S19224BZ

Same features as S19224B except with BSPP thread



S19224BZS

Eyewash with stainless steel bowl

All stainless steel piping

BSPP thread

Certified to AS4775 and AS4020



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

S19224PTZ

Same features as S19224PT except with BSPP thread



S19224PTZS

Eyewash with plastic bowl

Tailpiece and P-trap

All stainless steel piping

BSPP thread



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

S19224BPTZ

Same features as S19224BPT except with BSPP thread



S19224BPTZS

Eyewash with stainless steel bowl
Tailpiece and P-trap
All stainless steel piping
BSPP thread



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

S19224PDCZ

Same features as S19224PDC except with BSPP thread



S19224PDCZS

Eyewash with plastic bowl and dust cover
All stainless steel piping
BSPP thread
Certified to AS4775 and AS4020



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

S19224DCZ

Same features as S19224DC except with BSPP thread



S19224DCZS

Eyewash with stainless steel bowl and dust cover
All stainless steel piping
BSPP thread
Certified to AS4775 and AS4020



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

S19224DCPTZ

Same features as S19224DCPT
except with BSPP thread



S19224DCPTZS

Eyewash with stainless steel bowl and dust cover
Tailpiece and P-trap
All stainless steel piping
BSPP thread



S19224FW

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

S19224FWZ

Same features as S19224FW
except with BSPP thread



S19224FWZS

Eye/face Wash with plastic bowl
All stainless steel piping
BSPP thread
Certified to AS4775 and AS4020



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

S19224FWPTZ

Same features as S19224FWPT
except with BSPP thread



S19224FWPTZS

Eye/face Wash with plastic bowl
Tailpiece and P-trap
All stainless steel piping
BSPP thread



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

S19224TZ

Same features as S19224T
except with BSPP thread



S19224TZS

Eye/face Wash with stainless steel bowl
All stainless steel piping
BSPP thread
Certified to AS4775 and AS4020



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

S19224PZ

Same features as S19224P
except with BSPP thread



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

S19224TPTZ

Same features as S19224TPT
except with BSPP thread



S19224TPTZS

Eye/face Wash with stainless steel bowl
Tailpiece and P-trap
All stainless steel piping
BSPP thread



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

S19224YZ

Same features as S19224Y
except with BSPP thread
Unit is not Barrier-Free

**S19224YZS**

Eye/face Wash with stainless steel bowl
 Hand or foot operation
 All stainless steel piping
 BSPP thread
 Certified to AS4775 and AS4020
 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

S19224PDCFWZ

Same features as S19224PDCFW
 except with BSPP thread

**S19224PDCFWZS**

Eye/face Wash with plastic bowl and dust cover
 All stainless steel piping
 BSPP thread
 Certified to AS4775 and AS4020

**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

S19224DCFWZ

Same features as S19224DCFW
 except with BSPP thread

**S19224DCFWZS**

Eye/face Wash with stainless
 steel bowl and dust cover
 All stainless steel piping
 BSPP thread
 Certified to AS4775 and AS4020

**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

S19224DCRPTZ

Same features as S19224DCRPT
 except with BSPP thread



S19224DCRPTZS

Eye/face Wash with stainless steel bowl and dust cover
Tailpiece and P-trap
All stainless steel piping
BSPP thread



S19224SC

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

S19224SCZ

Same features as S19224SC except with BSPP thread
Certified to AS4775 and AS4020



S19224SS

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

S19224SSZ

Same features as S19224SS except with BSPP thread
Certified to AS4775 and AS4020



S19-220BF



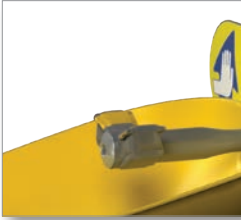
Stainless steel wrap-around skirt and eyewash bowl
Features chrome-plated circular spray ring for full face spray
UL classified to meet ANSI/ISEA Z358.1



S19-220HFP



Galvanized steel protected with BradTect corrosion-resistant yellow coating
Stainless steel bowl
Available in three wall thicknesses:
S19-220HFP8 0–8" (0–203 mm)
S19-220HFP12 8–12" (203–305 mm) – standard
S19-220HFP18 12–18" (305–457 mm)
UL classified to meet ANSI/ISEA Z358.1



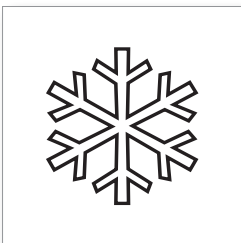
EYE AND EYE/FACE WASH BOWLS

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.

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.

- 0 Standard Wall Mount

[illegible]

- | | |
|---|--|
| A | NPT [®] , Yellow BradText
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 BradText
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) |

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

- A Halo Eyewash
- B Halo Eye/Face Wash
- D Halo Eyewash, 304 SS Yoke
- E Halo Eye/Face Wash, 304 SS Yoke
- F Halo 304 Stainless 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 **

- 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

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

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

- 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

- 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

***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
- AS/NZS4775:2007 & AS4020 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

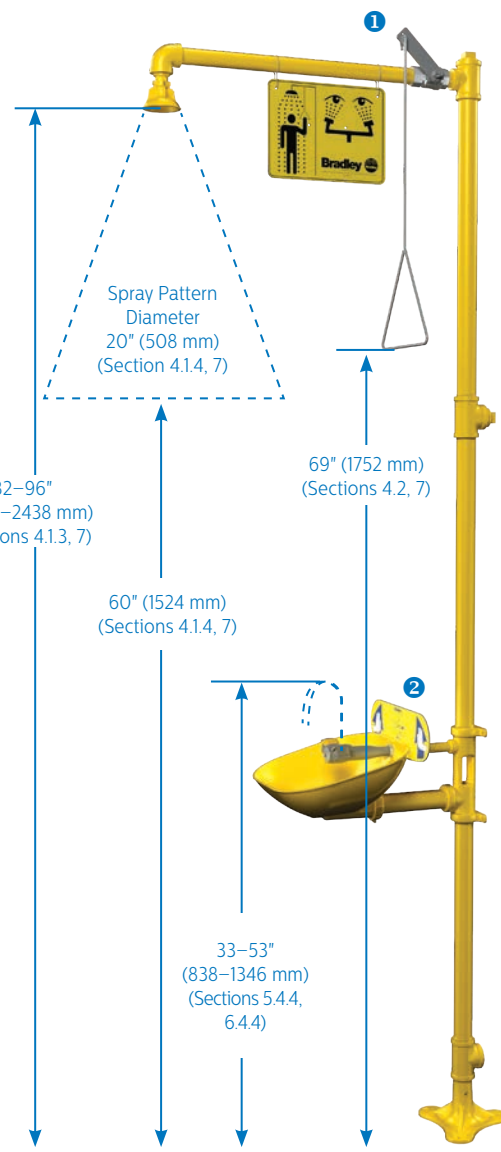
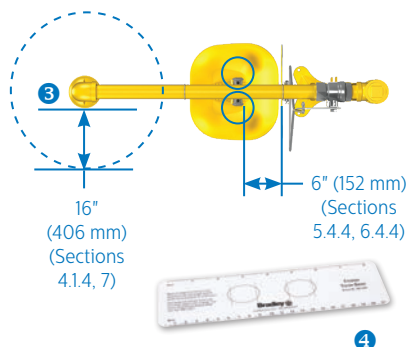
- Valve mechanism opens in one second or less; it stays open until manually closed. (Sections 4.2, 5.2, 6.2, 7.1.1, 7.1.2, 7.1.3) **1**
- Drench shower and eye or eye/face wash must operate simultaneously. (Section 7.4.4)
- Supply with flushing fluid ("potable water, preserved water, preserved buffered 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 BradText 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

S19314EWZ

Same features as S19314EW except with BSPP thread



S19314EWZS

Eyewash with plastic showerhead and bowl
All stainless steel piping
Eyewash exceeds minimum water flow of 0.4 GPM (1.5 L/Min) at 30 psi (207 kPa)
BSPP thread
Certified to AS4775 and AS4020



S19314P

Eyewash with plastic showerhead and bowl
8' (2.4 m) hand-held drench hose for body rinse
Galvanized steel protected with BradText 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

S19314PZ

Same features as S19314P except with BSPP thread



S19314SB

Eyewash with plastic showerhead and stainless steel bowl
Galvanized steel protected with BradText 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

S19314SBZ

Same features as S19314SB except with BSPP thread



S19314SBZS

Eyewash with plastic showerhead and stainless steel bowl
All stainless steel piping
Eyewash exceeds minimum water flow of 0.4 GPM (1.5 L/Min) at 30 psi (207 kPa)
Certified to AS4775 and AS4020



S19314LL

Eyewash with plastic showerhead and stainless steel bowl
Hand or foot operation for Eyewash
Galvanized steel protected with BradText 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

S19314LLZ

Same features as S19314LL except with BSPP thread



S19314LLZS

Eyewash with plastic showerhead and stainless steel bowl

Hand or foot operation for Eyewash

All stainless steel piping

Eyewash exceeds minimum water flow of 0.4 GPM (1.5 L/Min) at 30 psi (207 kPa)

BSPP thread

Certified to AS4775 and AS4020



S19314F

Eyewash with plastic showerhead with stainless steel shroud and stainless steel bowl

Galvanized steel protected with BradTest 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

S19314FZ

Same features as S19314F except with BSPP thread



S19314FZS

Eyewash with plastic showerhead with stainless steel shroud and stainless steel bowl

All stainless steel piping

Eyewash exceeds minimum water flow of 0.4 GPM (1.5 L/Min) at 30 psi (207 kPa)

BSPP thread

Certified to AS4775 and AS4020



S19314UU

Eyewash with plastic showerhead with stainless steel shroud and stainless steel bowl

Hand or foot operation for Eyewash

Galvanized steel protected with BradTest 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

S19314UUZS

Eyewash with plastic showerhead with stainless steel shroud and stainless steel bowl

Hand or foot operation for Eyewash

All stainless steel piping

Eyewash exceeds minimum water flow of 0.4 GPM (1.5 L/Min) at 30 psi (207 kPa)

BSPP thread

Certified to AS4775 and AS4020



S19314UUZ

Same features as S19314UU except with BSPP thread



S19314PDC

Eyewash with plastic showerhead, bowl and dust cover

Galvanized steel protected with BradTest 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

S19314PDCZ

Same features as S19314PDC except with BSPP thread



S19314PDCZS

Eyewash with plastic showerhead, bowl and dust cover

All stainless steel piping

Eyewash exceeds minimum water flow of 0.4 GPM (1.5 L/Min) at 30 psi (207 kPa)

BSPP thread

Certified to AS4775 and AS4020



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



S19314DCZS

Eyewash with plastic showerhead and stainless steel bowl and dust cover

All stainless steel piping

Eyewash exceeds minimum water flow of 0.4 GPM (1.5 L/Min) at 30 psi (207 kPa)

BSPP thread

Certified to AS4775 and AS4020

S19314DCZ

Same features as S19314DC except with BSPP thread



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



S19314FWZS

Eye/face Wash with plastic showerhead and bowl

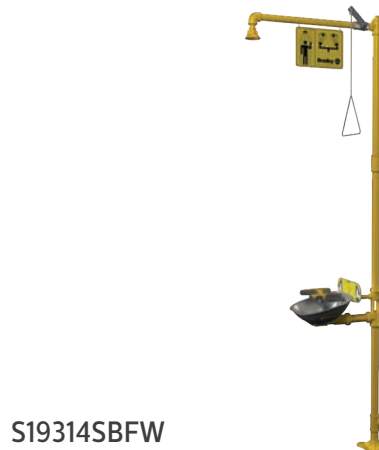
Dual eye/face wash

All stainless steel piping

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

BSPP thread

Certified to AS4775 and AS4020



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

S19314FWZ

Same features as S19314FW except with BSPP thread

S19314SBFWZ

Same features as S19314SBFW except with BSPP thread



S19314SBFWZS

Eye/face Wash with plastic showerhead and stainless steel bowl

Dual eye/face wash

All stainless steel piping

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

Certified to AS4775 and AS4020



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 BradText 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



S19314ACZS

Eye/face Wash with plastic showerhead and stainless steel bowl

Hand or foot operation for eye/face wash

Dual eye/face wash

All stainless steel piping

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

BSPP thread

Certified to AS4775 and AS4020

S19314ACZ

Same features as S19314AC except with BSPP thread



S19314TT

Eye/face Wash with plastic showerhead with stainless steel shroud and stainless steel bowl

Dual eye/face wash

Galvanized steel protected with BradText 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



S19314TTZS

Eye/face Wash with plastic showerhead with stainless steel shroud and stainless steel bowl

Dual eye/face wash

All stainless steel piping

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

BSPP thread

Certified to AS4775 and AS4020



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 BradText 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

S19314TTZ

Same features as S19314TT except with BSPP thread

S19314SPRZ

Same features as S19314SPR except with BSPP thread



S19314SPRZS

Eye/face Wash with stainless steel showerhead and bowl

Hand or foot operation for eye/face wash

Dual eye/face wash

All stainless steel piping

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

BSPP thread

Certified to AS4775 and AS4020



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



S19314BFPBZS

Eye/face Wash with plastic showerhead and bowl

Barrier-free design – fully accessible to people with physical disabilities

Dual eye/face wash

All stainless steel piping

Eyewash exceeds minimum water flow of 0.4 GPM (1.5 L/Min) at 30 psi (207 kPa)

BSPP thread

Certified to AS4775 and AS4020



S19314BFPBZ



Same features as S19314BFPB except with BSPP thread



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



S19314BFZS



Eye/face Wash with plastic showerhead and stainless steel bowl

Barrier-free design – fully accessible to people with physical disabilities

Dual eye/face wash

All stainless steel piping

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

BSPP thread

Certified to AS4775 and AS4020



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

S19314PDCFWZ

Same features as S19314PDCFW except with BSPP thread except with BSPP thread

S19314BFZ



Same features as S19314BF except with BSPP thread

**S19314PDCFWZS**

All stainless steel piping

Eye/face with plastic showerhead, bowl and dust cover

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

BSPP thread

Certified to AS4775 and AS4020

**S19314DCFW**

Eye/face with plastic showerhead and stainless steel bowl and dust cover

Galvanized steel protected with BradText 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

S19314DCFWZ

Same features as S19314PDCFW except with BSPP thread

**S19314DCFWZS**

Eye/face with plastic showerhead and stainless steel bowl and dust cover

All stainless steel piping

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

BSPP thread

Certified to AS4775 and AS4020

**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 BradText 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

S19314DCBFZ

Same features as S19314DCBF except with BSPP thread

**S19314DCBFZS**

Eye/face Wash with plastic showerhead and stainless steel bowl and dust cover

Barrier-free design – fully accessible to people with physical disabilities

Dual eye/face wash

All stainless steel piping

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

BSPP thread

Certified to AS4775 and AS4020

**S19314GG**

Eye/face Wash with plastic showerhead and no bowl

Galvanized steel protected with BradText 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

S19314GGZ

Same features as S19314GG except with BSPP thread

**S19314GGZS**

Eye/face Wash with plastic showerhead and no bowl

All stainless steel piping

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

BSPP thread

Certified to AS4775 and AS4020

**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

S19314FSSZ

Same features as S19314FSS except with BSPP thread

Certified to AS4775 and AS4020

S19314SCZ

Same features as S19314SC except with BSPP thread

Certified to AS4775 and AS4020

S19314SSZ

Same features as S19314SS except with BSPP thread

Certified to AS4775 and AS4020



**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

S19314SS16Z

Same features as S19314SS16 except with BSPP thread

Certified to AS4775 and AS4020

**S19-310PVC**

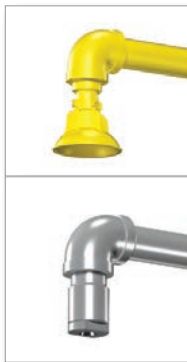
Eye/face Wash with plastic showerhead and bowl

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.

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



Model S19-304GATL
General Area with
Indicator Lights

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.





S19-304GAT

For use in general areas where temperatures fall below freezing
 120 VAC protects until from freezing down to -50° F (-46°C)
 1 1/4" NPT (top supply)
 1 1/4" 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 1/4" NPT (top supply)
 1 1/4" 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 1/4" NPT (top supply)
 1 1/4" 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 1/4" NPT (top supply)
 1 1/4" 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**
- ☐ F04 304 SS Eye/Face Wash, 304 SS 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

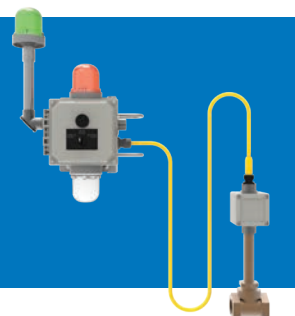
**Must select stainless steel yoke if ordering 304 or 316 stainless steel pipe.*

Additional product information, including Technical Data and Installation Instructions, is 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



S19388

INDOOR ENCLOSED SAFETY SHOWERS

S19372 SERIES

Tepid water inlet

S19374 SERIES

Hot water tank

S19378 SERIES

Tankless hot water heater

OUTDOOR ENCLOSED SAFETY SHOWERS

S19382 SERIES

Tepid water inlet

S19384 SERIES

Hot water tank

S19387 SERIES

Self-contained

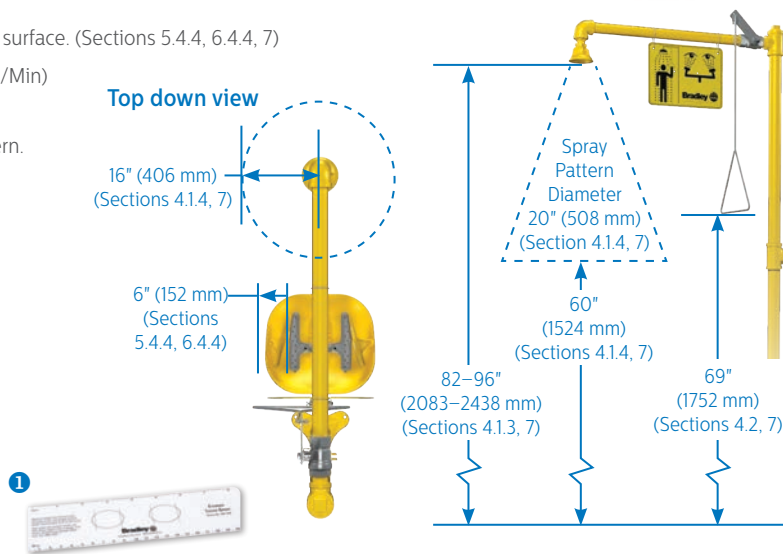
S19388 SERIES

Tankless hot water heater

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. ①
- 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 $\pm 1^\circ\text{F}$ 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 $\pm 1^\circ\text{F}$ 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 $60\text{--}100^\circ\text{F}$ ($15.5\text{--}37.7^\circ\text{C}$) 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

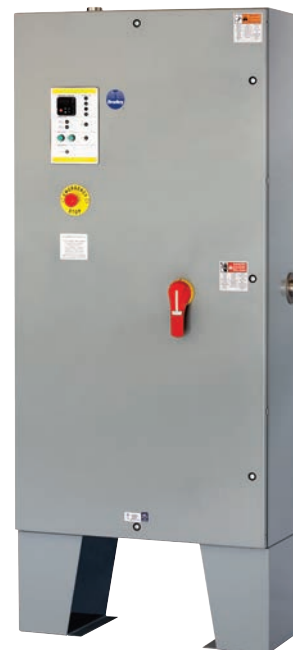
Temperature safety values:

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



S19-2350 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.

MODEL 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**

MODEL 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,
Return Line, and Aquastat**





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 1¼" (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

S19-323 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



S19-323E

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

S19-324 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



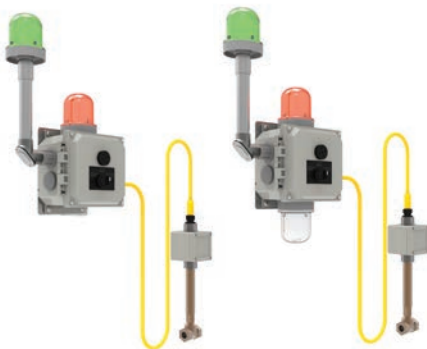
S19-324D

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

FLOW SWITCHES



S19-319B2

Brass

1/2" (13 mm) NPT

Activates Eyewash and
eye/face wash units



S19-319B4

Brass

1 1/4 NPT

Activates combination units



S19-319S2

Stainless Steel

1/2" (13 mm) NPT

Activates Eyewash and
eye/face wash units



S19-319S4

Stainless Steel

1 1/4 NPT

Activates combination units

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

S19-324 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 S19-324

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

* 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

Model S19-324D1

Class I, Division 1, Groups C, and D Signal System

DC Drench or Combination

HT Halo Heat Trace
Combination Unit*

PT Pipe Mount

WM Wall Mount

BS Brass Flow Switch

SS Stainless Steel Flow Switch

TS Standard Single Tone

TM Multi-Tone (Installer Mounted)

0 None

RS Reset Switch

SA Amber (Flashing)

SR Red (Flashing)

0 None

BG Green (Steady)

BB Blue (Steady)

0 None

AW White (Steady)

AR Red (Steady)

C6 6' Cable

C12 12' Cable

C50 50' Cable

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

Fill in 1 through 10 to specify the model and configuration for your desired project:

S	1	9	3	2	4	D	1	1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

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



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

TS

Standard Single Tone

TM

Multi-Tone (Installer Mounted)



4

Silence Switch

* For use in gas groups C, D only

0

None

RS

Reset Switch



6

Signal Light

SA

Amber (Flashing)

SR

Red (Flashing)



7

Beacon Light

0

None

BG

Green (Steady)

BB

Blue (Steady)



8

Area Light

0

None

AW

White (Steady)

AR

Red (Steady)



9

Cable Length

C6

6' Cable

C12

12' Cable

C50

50' Cable

* 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

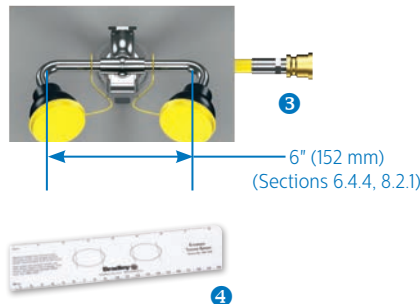
- Considered an eye/face wash if it complies with the installation and performance requirements of the eye/face wash standard. (Sections 6, 8.2.1)
- Single-head drench hoses complement the 15-minute flush provided by a primary ANSI/ISEA Z358.1 compliant Eyewash fixture. (Section 8)
- Valve mechanism 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) ❶
- 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) ❷
- 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) ❸

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



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



S19-465

Single angled 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



S1944011CBC

Single vertical sprayhead
12' (3.7 m) recoiling hose
Squeeze handle activated
UL classified to meet ANSI/ISEA Z358.1
as a supplemental Eyewash only



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

S1944011CBD

Single vertical sprayhead
25' (7.6 m) recoiling hose
Squeeze handle activated
UL classified to meet ANSI/ISEA Z358.1
as a supplemental Eyewash only

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



S19-240

Wall-Mounted Eyewash
Yellow PVC push handle
UL classified to meet ANSI/ISEA Z358.1

S19-240FW

Wall-Mounted Eye/face wash
Yellow PVC push handle
UL classified to meet ANSI/ISEA Z358.1



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



S19-260

Deck/Counter-Mounted Eyewash
Flush-mounted, stainless steel bowl with eye/face wash
Push-down activation handle
12⁷/₈" (327 mm) stainless steel bowl
1¹/₄" (32 mm) waste
UL classified to meet ANSI/ISEA Z358.1



S19-270B

Deck/Counter-Mounted Eyewash
Stainless steel push handle
Eyewash swings 360 degrees
Right-hand activation
UL classified to meet ANSI/ISEA Z358.1

S19-270BL

Deck/Counter-Mounted Eyewash
Stainless steel push handle
Eyewash swings 360 degrees
Left-hand activation
UL classified to meet ANSI/ISEA 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 (\$19-2000)

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

Laboratory Eye & Eye/Face Wash Fixtures

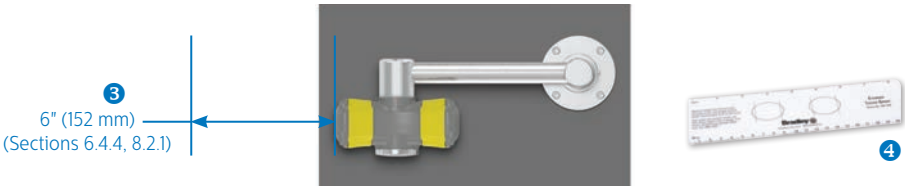
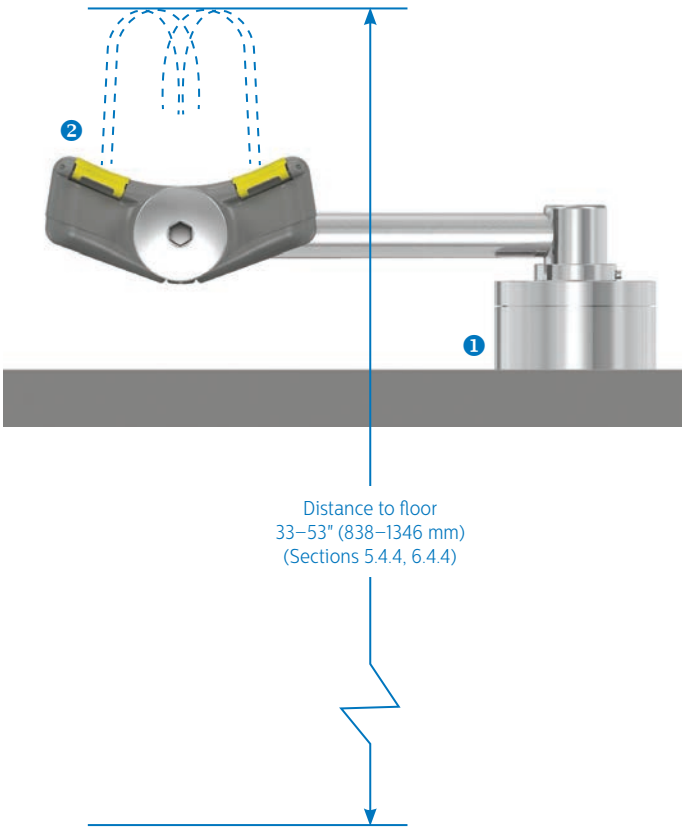
- Valve mechanism opens in one second or less; it stays open until manually closed. (Sections 5.2, 6.2) ❶
- Supply with flushing fluid, ("potable water, preserved water, preserved buffered saline solution or other medically acceptable solution...") (Definitions, Sections 5.1.1, 6.1.1)
- Locate 10 seconds 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) ❷
- 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) ❸

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



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)

NEW! 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



NEW! 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



NEW! 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



NEW! 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



NEW! 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



NEW! 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



NEW! 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

**S19-270C**

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

**S19-270HD**

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

**S19-270HW**

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

**S19-280D**

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

**S19-280W**

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

**S19-270E**

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

**S19-270JD**

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

**S19-270JW**

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

**S19-290D**

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

S19-290W

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, surfacemounted 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



S19-125FMBF

Same features as S19-125BF, except with flush-mounted showerhead
UL classified to meet ANSI/ISEA Z358.1



S19284H



Cabinet-Mounted Swing-Down Eyewash
Activated when arm is pulled down
Wide access panel in front of unit for easy accessibility and serviceability
UL classified to meet ANSI/ISEA Z358.1



S19284HB



Same features as S19284H, except barrier-free
UL classified to meet ANSI/ISEA Z358.1



S19284J



Cabinet-Mounted Swing-Down Eye/face Wash
Activated when arm is pulled down
Wide access panel in front of unit for easy accessibility and serviceability
UL classified to meet ANSI/ISEA Z358.1



S19284JB



Same features as S19284J, except barrier-free
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

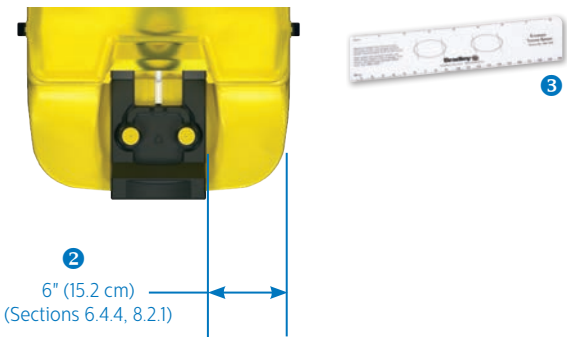
Self-Contained Eyewash Fixtures

- 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



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

**S19-399**

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

S19-921HR

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

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

S19-670

Drench hose, no Eyewash



S19-671

Eyewash only, no drench hose



S19-671H

Jacket prevents freezing
280-watt heater
Eyewash 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 ½" (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 1¼" (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 ½" (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 1¼" (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 ½" (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 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
Universal AC Input: 90-264 AC
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
Universal AC Input: 90-264 AC
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
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



S45-122

Plastic handle

Hardware

½" (13 mm) NPT stay-open ball valve

EYEWASH HANDLE, BALL VALVE AND HARDWARE ONLY

128-135

Plastic handle 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

S45-123

Plastic handle

Hardware

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

**S05-204**

304 stainless steel sprayhead assembly

**S05-205**

316 stainless steel sprayhead assembly

**S08-390**

Handle kit

**S27-327**

Chrome-plated 1/2" ball valve

**S27-328**

Stainless Steel 1/2" 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 57/8" (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

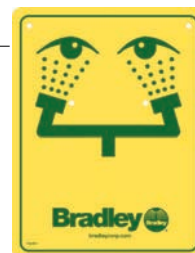
114-050

Drench shower sign



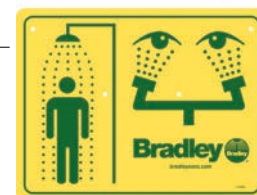
114-051

Eyewash sign



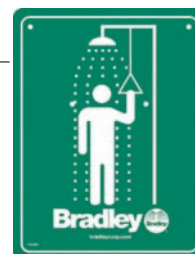
114-052

Combination shower and Eyewash sign



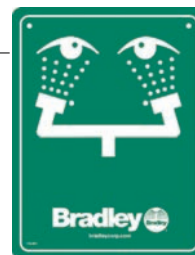
114-050E

International safety drench shower sign



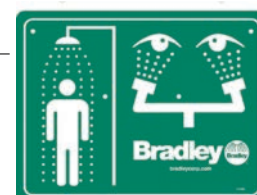
114-051E

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, $\frac{13}{16}$ " (21 mm) x 24–Chrome

153-396

Male, $\frac{3}{8}$ " (10 mm) NPSM–Chrome

153-401

Female, $\frac{3}{4}$ " 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

1/2" 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

- 1/4" 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: 1/2" NPT female

Waste

Eyewash: 1/4" 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 Classic Models

(exceptions noted)

Eyewash Bowl

10" (254 mm) diameter, yellow, impact-resistant plastic or 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/621 kPa) and pop-off protective spray covers

- **Eyewash**

Chrome-plated brass, soft-flow sprayheads designed to gently cleanse the eyes – stainless steel where specified. Exceeds minimum water flow: 0.4 GPM (1.5 L/Min) at 30 psi (207 kPa)

- **Eye/Face Wash, Dual Sprayheads**

Contains an antimicrobial agent to protect the sprayhead. ABS plastic perforated disc sprayheads designed to gently cleanse the eyes and face. Exceeds minimum water flow: 3.0 GPM (11 L/Min) at 30 psi (207 kPa)

- **Face Spray Ring**

Chrome-plated, circular spray ring designed with a wider spray pattern for full face spray

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 ½" (13 mm) NPT chrome-plated brass, stay-open ball valve operated by a stainless steel push handle

Water Supply

Drench hoses: ¾" (10 mm) NPT male thread with removable ½" 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 S19-310 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
- S19-130F and S19-120G Cord operated with self-closing ball valve
Not compliant with ANSI/ISEA Z358.1

Pipe and Fittings

Standard: Galvanized steel pipe protected with BradText 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

Drench Showers Series S19-120HFP; Eyewash Series S19-220HFP; 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 BradText 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 S19-270JC; Combination Units Series S19-310 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 BradText 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

• **S19-220BF stainless steel, wrap-around skirt:**

10" diameter corrosion-resistant stainless steel
Conceals plumbing – unit extends 20" from wall

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

1/2" NPT chrome-plated brass, or 316 stainless steel, stay-open valve hand operated by a stainless steel handle

Pipe and Fittings

1 1/4" 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

- 3/4" 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 3/4" conduit hole. Hazardous location junction boxes are aluminum with multiple hubs. Accepts 3/4" IPS conduit.

Water Supply

- 1 3/4" (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 S19-670 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

Halo Model No.	Description	UL certified to ANSI/ISEA	IAPMO Oceana certified to AS4775 & AS4020
Eyewashes			
S19214EW	Halo Eyewash, plastic bowl	•	
S19214EWZ	Halo Eyewash, plastic bowl		
S19214EWZS	Halo Eyewash, plastic bowl		•
S19214B	Halo Eyewash, stainless steel bowl	•	
S19214BZ	Halo Eyewash, stainless steel bowl		
S19214BZS	Halo Eyewash, stainless steel bowl		•
S19224EW	Halo Eyewash, plastic bowl	•	
S19224EWZ	Halo Eyewash, plastic bowl		
S19224EWZS	Halo Eyewash, plastic bowl		•
S19224PT	Halo Eyewash, plastic bowl, p-trap	•	
S19224PTZ	Halo Eyewash, plastic bowl, p-trap		
S19224PTZS	Halo Eyewash, plastic bowl, p-trap		
S19224B	Halo Eyewash, stainless steel bowl	•	
S19224BZ	Halo Eyewash, stainless steel bowl		
S19224BZS	Halo Eyewash, stainless steel bowl		•
S19224BPT	Halo Eyewash, stainless steel bowl, p-trap	•	
S19224BPTZ	Halo Eyewash, stainless steel bowl, p-trap		
S19224BPTZS	Halo Eyewash, stainless steel bowl, p-trap		
Eyewashes with Dust Cover			
S19214PDC	Halo Eyewash, plastic bowl w/ dust cover	•	
S19214PDCZ	Halo Eyewash, plastic bowl w/ dust cover		
S19214PDCZS	Halo Eyewash, plastic bowl w/ dust cover		•
S19214DC	Halo Eyewash, stainless steel bowl & hinged dust cover	•	
S19214DCZ	Halo Eyewash, stainless steel bowl & hinged dust cover		
S19214DCZS	Halo Eyewash, stainless steel bowl & hinged dust cover		•
S19224PDC	Halo Eyewash, plastic bowl w/ dust cover	•	
S19224PDCZ	Halo Eyewash, plastic bowl w/ dust cover		
S19224PDCZS	Halo Eyewash, plastic bowl w/ dust cover		•
S19224DC	Halo Eyewash, stainless steel bowl & hinged dust cover	•	
S19224DCZ	Halo Eyewash, stainless steel bowl & hinged dust cover		
S19224DCZS	Halo Eyewash, stainless steel bowl & hinged dust cover		•
S19224DCPT	Halo Eyewash, stainless steel bowl & hinged dust cover, p-trap	•	
S19224DCPTZ	Halo Eyewash, stainless steel bowl & hinged dust cover, p-trap		
S19224DCPTZS	Halo Eyewash, stainless steel bowl & hinged dust cover, p-trap		
Eye-Face Washes			
S19214FW	Halo Eye/face wash, plastic bowl	•	
S19214FWZ	Halo Eye/face wash, plastic bowl		
S19214FWZS	Halo Eye/face wash, plastic bowl		•
S19214P	Halo Eye/face wash, stainless steel bowl w/ hose spray	•	
S19214PZ	Halo Eye/face wash, stainless steel bowl w/ hose spray		
S19214Y	Halo Eye/face wash, stainless steel bowl	•	
S19214YZ	Halo Eye/face wash, stainless steel bowl		
S19214YZS	Halo Eye/face wash, stainless steel bowl		•
S19214YF	Halo Eye/face wash, stainless steel bowl, hand/foot operated	•	
S19214YFZ	Halo Eye/face wash, stainless steel bowl, hand/foot operated		

Halo Model No.	Description	UL certified to ANSI/ISEA	IAPMO Oceana certified to AS4775 & AS4020
S19214YFZS	Halo Eye/face wash, stainless steel bowl, hand/foot operated		•
S19224FW	Halo Eye/face wash, plastic bowl	•	
S19224FWZ	Halo Eye/face wash, plastic bowl		
S19224FWZS	Halo Eye/face wash, plastic bowl		•
S19224FWPT	Halo Eye/face wash, plastic bowl, p-trap	•	
S19224FWPTZ	Halo Eye/face wash, plastic bowl, p-trap		
S19224FWPTZS	Halo Eye/face wash, plastic bowl, p-trap		
S19224T	Halo Eye/face wash, stainless steel bowl	•	
S19224TZ	Halo Eye/face wash, stainless steel bowl		
S19224TZS	Halo Eye/face wash, stainless steel bowl		•
S19224P	Halo Eye/face wash, stainless steel bowl w/ hose spray, tailpiece	•	
S19224PZ	Halo Eye/face wash, stainless steel bowl w/ hose spray, tailpiece		
S19224TPT	Halo Eye/face wash, stainless steel bowl, p-trap	•	
S19224TPTZ	Halo Eye/face wash, stainless steel bowl, p-trap		
S19224TPTZS	Halo Eye/face wash, stainless steel bowl, p-trap		
S19224Y	Halo Eye/face wash, stainless steel bowl, hand/foot operated, tailpiece	•	
S19224YZ	Halo Eye/face wash, stainless steel bowl, hand/foot operated, tailpiece		
S19224YZS	Halo Eye/face wash, stainless steel bowl, hand/foot operated, tailpiece		•
S19214PDCFW	Halo Eye/face wash, plastic bowl w/ dust cover	•	
S19214PDCFWZ	Halo Eye/face wash, plastic bowl w/ dust cover		
S19214PDCFWZS	Halo Eye/face wash, plastic bowl w/ dust cover		•
S19214DCFW	Halo Eye/face wash, stainless steel bowl & hinged dust cover	•	
S19214DCFWZ	Halo Eye/face wash, stainless steel bowl & hinged dust cover		
S19214DCFWZS	Halo Eye/face wash, stainless steel bowl & hinged dust cover		•
S19224PDCFW	Halo Eye/face wash, plastic bowl w/ dust cover	•	
S19224PDCFWZ	Halo Eye/face wash, plastic bowl w/ dust cover		
S19224PDCFWZS	Halo Eye/face wash, plastic bowl w/ dust cover		•
S19224DCFW	Halo Eye/face wash, stainless steel bowl & hinged dust cover	•	
S19224DCFWZ	Halo Eye/face wash, stainless steel bowl & hinged dust cover		
S19224DCFWZS	Halo Eye/face wash, stainless steel bowl & hinged dust cover		•
S19224DCRPT	Halo Eye/face wash, stainless steel bowl & hinged dust cover, p-trap	•	
S19224DCRPTZ	Halo Eye/face wash, stainless steel bowl & hinged dust cover, p-trap		
S19224DCRPTZS	Halo Eye/face wash, stainless steel bowl & hinged dust cover, p-trap		
S19214BSS	Halo stainless steel eye/face wash and bowl	•	
S19214BSSZ	Halo stainless steel eye/face wash and bowl		•
S19214SC	Halo stainless steel eye/face wash, bowl and cover	•	
S19214SCZ	Halo stainless steel eye/face wash, bowl and cover		•
S19214SS	Halo stainless steel eye/face wash and bowl with foot activation	•	
S19214SSZ	Halo stainless steel eye/face wash and bowl with foot activation		•
S19224SC	Halo stainless steel eye/face wash, bowl and cover	•	
S19224SCZ	Halo stainless steel eye/face wash, bowl and cover		•
S19224SS	Halo stainless steel eye/face wash and bowl	•	
S19224SSZ	Halo stainless steel eye/face wash and bowl		•

Halo Model No.	Description	UL certified to ANSI/ISEA	IAPMO Oceana certified to AS4775 & AS4020
Eyewashes			
S19314EW	Halo Eyewash, plastic showerhead & bowl	•	
S19314EWZ	Halo Eyewash, plastic showerhead & bowl		
S19314EWZS	Halo Eyewash, plastic showerhead & bowl		•
S19314P	Halo Eyewash, plastic showerhead & bowl w/ hose spray	•	
S19314PZ	Halo Eyewash, plastic showerhead & bowl w/ hose spray		
S19314SB	Halo Eyewash, plastic showerhead, stainless steel bowl	•	
S19314SBZ	Halo Eyewash, plastic showerhead, stainless steel bowl		
S19314SBZS	Halo Eyewash, plastic showerhead, stainless steel bowl		•
S19314LL	Halo Eyewash, plastic showerhead, stainless steel bowl, hand/foot activated	•	
S19314LLZ	Halo Eyewash, plastic showerhead, stainless steel bowl, hand/foot activated		
S19314LLZS	Halo Eyewash, plastic showerhead, stainless steel bowl, hand/foot activated		•
S19314F	Halo Eyewash, plastic showerhead w/ stainless steel shroud & bowl	•	
S19314FZ	Halo Eyewash, plastic showerhead w/ stainless steel shroud & bowl		
S19314FZS	Halo Eyewash, plastic showerhead w/ stainless steel shroud & bowl		•
S19314UU	Halo Eyewash, plastic showerhead w/ stainless steel shroud & bowl, hand/foot operated Eyewash	•	
S19314UUZ	Halo Eyewash, plastic showerhead w/ stainless steel shroud & bowl, hand/foot operated Eyewash		
S19314UUZS	Halo Eyewash, plastic showerhead w/ stainless steel shroud & bowl, hand/foot operated Eyewash		•
Eyewashes with Dust Cover			
S19314PDC	Halo Eyewash, plastic showerhead & bowl w/ dust cover	•	
S19314PDCZ	Halo Eyewash, plastic showerhead & bowl w/ dust cover		
S19314PDCZS	Halo Eyewash, plastic showerhead & bowl w/ dust cover		•
S19314DC	Halo Eyewash, plastic showerhead, stainless steel bowl & hinged dust cover	•	
S19314DCZ	Halo Eyewash, plastic showerhead, stainless steel bowl & hinged dust cover		
S19314DCZS	Halo Eyewash, plastic showerhead, stainless steel bowl & hinged dust cover		•
Eye-Face Washes			
S19314FW	Halo Eye/face wash, plastic showerhead & bowl	•	
S19314FWZ	Halo Eye/face wash, plastic showerhead & bowl		
S19314FWZS	Halo Eye/face wash, plastic showerhead & bowl		•
S19314SBFW	Halo Eye/face wash, plastic showerhead, stainless steel bowl	•	
S19314SBFWZ	Halo Eye/face wash, plastic showerhead, stainless steel bowl		
S19314SBFWZS	Halo Eye/face wash, plastic showerhead, stainless steel bowl		•
S19314AC	Halo Eye/face wash, plastic showerhead, stainless steel bowl, hand/foot operated Eyewash	•	
S19314ACZ	Halo Eye/face wash, plastic showerhead, stainless steel bowl, hand/foot operated Eyewash		
S19314ACZS	Halo Eye/face wash, plastic showerhead, stainless steel bowl, hand/foot operated Eyewash		•
S19314TT	Halo Eye/face wash, plastic showerhead w/ stainless steel shroud & bowl	•	

Halo Model No.	Description	UL certified to ANSI/ISEA	IAPMO Oceana certified to AS4775 & AS4020
Eye-Face Washes			
S19314TTZ	Halo Eye/face wash, plastic showerhead w/ stainless steel shroud & bowl		
S19314TTZS	Halo Eye/face wash, plastic showerhead w/ stainless steel shroud & bowl		•
S19314SPR	Halo Eye/face wash, stainless steel showerhead & bowl, hand/foot operated Eyewash	•	
S19314SPRZ	Halo Eye/face wash, stainless steel showerhead & bowl, hand/foot operated Eyewash		
S19314SPRZS	Halo Eye/face wash, stainless steel showerhead & bowl, hand/foot operated Eyewash		•
S19314BFPB	Halo Eye/face wash, barrier-free, plastic showerhead & bowl	•	
S19314BFPBZ	Halo Eye/face wash, barrier-free, plastic showerhead & bowl		
S19314BFPBZS	Halo Eye/face wash, barrier-free, plastic showerhead & bowl		•
S19314BF	Halo Eye/face wash, barrier-free, plastic showerhead, stainless steel bowl	•	
S19314BFZ	Halo Eye/face wash, barrier-free, plastic showerhead, stainless steel bowl		
S19314BFZS	Halo Eye/face wash, barrier-free, plastic showerhead, stainless steel bowl		•
Eye-Face Washes with Dust covers			
S19314PDCFW	Halo Eye/face wash, plastic showerhead & bowl w/ dust cover	•	
S19314PDCFWZ	Halo Eye/face wash, plastic showerhead & bowl w/ dust cover		
S19314PDCFWZS	Halo Eye/face wash, plastic showerhead & bowl w/ dust cover		•
S19314DCFW	Halo Eye/face wash, plastic showerhead, stainless steel bowl & hinged dust cover	•	
S19314DCFWZ	Halo Eye/face wash, plastic showerhead, stainless steel bowl & hinged dust cover		
S19314DCFWZS	Halo Eye/face wash, plastic showerhead, stainless steel bowl & hinged dust cover		•
S19314DCBF	Halo Eye/face wash, barrier-free, plastic showerhead, stainless steel bowl w/ dust cover	•	
S19314DCBFZ	Halo Eye/face wash, barrier-free, plastic showerhead, stainless steel bowl w/ dust cover		
S19314DCBFZS	Halo Eye/face wash, barrier-free, plastic showerhead, stainless steel bowl w/ dust cover		•
Eye-Face Washes without Eyewash Bowl			
S19314GG	Halo Eye/face wash, plastic showerhead, no bowl	•	
S19314GGZ	Halo Eye/face wash, plastic showerhead, no bowl		
S19314GGZS	Halo Eye/face wash, plastic showerhead, no bowl		•
All Stainless Steel Eye/Face Wash			
S19314BFSS	Halo stainless steel eye/face wash and showerhead, barrier free	•	
S19314BFSSZ	Halo stainless steel eye/face wash and showerhead, barrier free		•
S19314FSS	Halo stainless steel eye/face wash and showerhead	•	
S19314FSSZ	Halo stainless steel eye/face wash and showerhead		•
S19314SC	Halo stainless steel eye/face wash and bowl, cover and showerhead	•	
S19314SCZ	Halo stainless steel eye/face wash and bowl, cover and showerhead		•
S19314SS	Halo stainless steel eye/face wash and showerhead with foot activation	•	
S19314SSZ	Halo stainless steel eye/face wash and showerhead with foot activation		•
S19314SS16	Halo 316 stainless steel eye/face wash and showerhead with foot activation	•	
S19314SS16Z	Halo 316 stainless steel eye/face wash and showerhead with foot activation		•



MODEL NO.	PG	MODEL NO.	PG	MODEL NO.	PG	MODEL NO.	PG	MODEL NO.	PG
Fixtures		SI9214DCZS	19	SI9224DCPTZS	27	SI9-270BL	66	SI9314ACZ	38
CLE Series	51	SI9214DCFW	20	SI9224DCRPT	29	SI9-270C	70	SI9314ACZS	38
SNA Series	51	SI9214DCFWZ	20	SI9224DCRPTZ	29	SI9-270E	71	SI9314BF	39
SI9-110	10	SI9214DCFWZS	21	SI9224DCRPTZS	30	SI9-270HD	70	SI9314BFZ	39
SI9-110BF	10	SI9214EW	18	SI9224EW	25	SI9-270HW	70	SI9314BFZS	39
SI9-110BFSS	10	SI9214EWZ	18	SI9224EWZ	25	SI9-270JD	71	SI9314BFPB	39
SI9-110BFSSZ	10	SI9214EWZS	18	SI9224EWZS	25	SI9-270JW	71	SI9314BFPBZ	39
SI9-110SS	10	SI9214FW	19	SI9224FW	27	SI9-274B	66	SI9314BFPBZS	39
SI9-110SSZ	10	SI9214FWZ	19	SI9224FWZ	27	SI9-274BL	66	SI9314BFSS	41
SI9-110Z	10	SI9214FWZS	19	SI9224FWZS	27	SI9274C	70	SI9314BFSSZ	41
SI9-120	12	SI9214P	20	SI9224FWPT	27	SI9274E	71	SI9314DC	37
SI9-120A	12	SI9214PZ	20	SI9224FWPTZ	27	SI9-274F	66	SI9314DCZ	37
SI9-120ABF	13	SI9214PDC	18	SI9224FWPTZS	27	SI9-274FL	66	SI9314DCZS	37
SI9-120AZ	12	SI9214PDCZ	18	SI9224P	28	SI9274HD	70	SI9314DCBF	40
SI9-120BF	13	SI9214PDCZS	18	SI9224PZ	28	SI9274HDR	70	SI9314DCBFZ	40
SI9-120FM	13	SI9214PDCFW	20	SI9224PDC	26	SI9274HDB	70	SI9314DCBFZS	40
SI9-120FMBF	13	SI9214PDCFWZ	20	SI9224PDCZ	26	SI9274HDS	70	SI9314DCFW	40
SI9-120HFP	12	SI9214PDCFWZS	20	SI9224PDCZS	26	SI9274HW	70	SI9314DCFWZ	40
SI9-120P	12	SI9214SC	21	SI9224PDCFW	29	SI9274HWB	70	SI9314DCFWZS	40
SI9-120SS	12	SI9214SCZ	21	SI9224PDCFWZ	29	SI9274HWR	70	SI9314EW	35
SI9-120SSZ	12	SI9214SS	21	SI9224PDCFWZS	29	SI9274JD	71	SI9314EWZ	35
SI9-120SSBF	13	SI9214SSZ	21	SI9224PT	25	SI9274JDB	71	SI9314EWZS	35
SI9-120SSBFZ	13	SI9214Y	19	SI9224PTZ	25	SI9274JW	71	SI9314F	36
SI9-120T	13	SI9214YZ	19	SI9224PTZS	25	SI9274JWB	71	SI9314FZ	36
SI9-120Z	12	SI9214YZS	19	SI9224SC	30	SI9-280D	70	SI9314FZS	36
SI9-125BF	73	SI9214YF	20	SI9224SCZ	30	SI9-280W	71	SI9314FW	37
SI9-125FMBF	73	SI9214YFZ	20	SI9224SS	30	SI9284H	73	SI9314FWZ	37
SI9-130	14	SI9214YFZS	20	SI9224SSZ	30	SI9284HB	73	SI9314FWZS	37
SI9-130A	14	SI9-2150	53	SI9224T	28	SI9284J	73	SI9314FSS	41
SI9-130BF	14	SI9-2200	53	SI9224TZ	28	SI9284JB	73	SI9314FSSZ	41
SI9-130SS	14	SI9-220BF	30	SI9224TZS	28	SI9-290D	71	SI9314GG	40
SI9-130SSZ	14	SI9-220HFP	30	SI9224TPT	28	SI9-290W	71	SI9314GGZ	40
SI9-130SSBF	14	SI9224B	25	SI9224TPTZ	28	SI9294HB	74	SI9314GGZS	41
SI9-130SSBFZ	14	SI9224BZ	25	SI9224TPTZS	28	SI9294HBT	74	SI9314LL	35
SI9-130Z	14	SI9224BZS	25	SI9224Y	28	SI9294JB	74	SI9314LLZ	35
SI9-2000	53	SI9224BPT	26	SI9224YZ	28	SI9294JBT	74	SI9314LLZS	36
SI9-200B	66	SI9224BPTZ	26	SI9224YZS	29	SI9-304D2B	45	SI9314P	35
SI9-2010	53	SI9224BPTZS	26	SI9-2250	53	SI9-304D2BL	45	SI9314PZ	35
SI9-2100	53	SI9224DC	26	SI9-2300	53	SI9-304D2T	45	SI9314PDC	36
SI9214BSS	21	SI9224DCZ	26	SI9-2350	53	SI9-304D2TL	45	SI9314PDCZ	36
SI9214BSSZ	21	SI9224DCZS	26	SI9-240	66	SI9-304GAB	45	SI9314PDCZS	37
SI9214B	18	SI9224DCFW	29	SI9-240FW	66	SI9-304GABL	45	SI9314PDCFW	39
SI9214BZ	18	SI9224DCFWZ	29	SI9-244	66	SI9-304GAT	45	SI9314PDCFWZ	39
SI9214BZS	18	SI9224DCFWZS	29	SI9-244FW	66	SI9-304GATL	45	SI9314PDCFWZS	40
SI9214DC	19	SI9224DCPT	27	SI9-260	66	SI9-310TW	41	SI9314SB	35
SI9214DCZ	19	SI9224DCPTZ	27	SI9-270B	66	SI9314AC	38	SI9314SBZ	35

MODEL NO.	PG	MODEL NO.	PG	MODEL NO.	PG	MODEL NO.	PG	MODEL NO.	PG
SI9314SBZS	35	SI9374	48	SI9-324D1D	84	187-053	86	S39-397	86
SI9314SBFW	37	SI9378	48	SI9-324D2D	84	187-320	88	S39-681	86
SI9314SBFWZ	37	SI9382	48	SI9-324DG	83	204-421	92	S39-682	86
SI9314SBFWZS	38	SI9384	48	SI9-324DGW	83	269-053	90	S39-817	90
SI9314SC	41	SI9387	48	SI9-324E	83	269-054	90	S45-122	85
SI9314SCZ	41	SI9388	48	SI9-324EG	83	269-1379	79, 92	S45-123	85
SI9314SPR	38	SI9-399	79, 82	SI9-32EGW	83	269-1444	92	S45-1314SS	92
SI9314SPRZ	38	SI9-430A	63	SI9-330	82	269-964	92	S45-1314SS16	92
SI9314SPRZS	39	SI9-430D	63	SI9-330ST	82	S05-190	88	S45-1986	84
SI9314SS	41	SI9-430EH	63	SI9-430EH	82	S05-192	88	S45-1987	84
SI9314SSZ	41	SI9-430SH	63	SI9-430SH	82	S05-204	88	S45-1989	84
SI9314SS16	41	SI944011ABC	64	SI9-671HR	82	S05-205	88	S45-1990	84
SI9314SS16Z	41	SI944011BBC	64	SI9-690A	82	S08-336	85	S45-2309	64, 91
SI9314TT	38	SI944011CBC	64	SI9-690HR	82	S08-338	85	S45-2310	64, 91
SI9314TTZ	38	SI944011CBD	64	SI9-788HR	82	S08-390	88	S45-2453	86
SI9314TTZS	38	SI944022ABC	64	S45-1964	89	SI9-949	92	S45-2675	88
SI9314UU	36	SI9-460	63	S45-2396	89	S21-071	87	S45-2676	88
SI9314UUZ	36	SI9-460EFW	63	Replacement Parts		S21-072	87	S45-572	92
SI9314UUZS	36	SI9-465	63	107-371	86	S21-073	87	S45-620	92
SI9-319B2	57	SI9-465EFW	63	113-1150	87	S21-074	87	S53-063	86
SI9-319B4	57	SI9-500M	69	113-1151	87	S21-075	87	S53-310	86
SI9-319S2	57	SI9-500T	69	113-1159	86	S24-192	90	S65-339	88
SI9-319S4	57	SI9-500W	69	113-1185	86	S24-193	90	S88-068	88
SI9-322D	55	SI9-505M	69	114-050	91	S24-194	90	S89-002	90
SI9-322E	55	SI9-505T	69	114-050E	91	S24-195	90	S89-003	90
SI9-323D	55	SI9-505W	69	114-051	91	S24-196	90	S90-388	88
SI9-323E	55	SI9-670	81	114-051E	91	S24-200	90	S90-390	88
SI9-324D	56	SI9-671	81	114-052	91	S24-202	90	S90-391	88
SI9-324E	56	SI9-671H	81	114-052E	91	S27-265	90	S90-392	88
SI9-324DG	56	SI9-672	81	125-032	87	S27-278	90		
SI9-324EG	56	SI9-690	81	125-167	87	S27-282	85		
SI9-324DGW	56	SI9-690H	81	128-135	85	S27-287	85		
SI9-324EGW	56	SI9-690LHS	81	128-156A	89	S27-303	64, 91		
SI9-324D2D	56	SI9-788	81	128-156B	89	S27-327	88		
SI9-324D1D	56	SI9-788H	81	128-156C	89	S27-328	88		
SI9345HFB	75	SI9-788LHS	81	128-156D	89	S30-059	90		
SI9345HFBT	75	SI9-921	79	128-156E	89	S30-061	90		
SI9345HXB	75	SI9-921H	79	128-156F	89	S30-070	85		
SI9345HXBT	75	SI9-921HR	79, 82	128-157	89	S30-071	85		
SI9345JFB	75	SI9-949	79	133-152	79, 82	S30-072	85		
SI9345JFBT	75	Accessories		140-226	64, 90	S30-074	85		
SI9345JXB	75	SI9-322D	83	153-395	92	S30-075	85		
SI9345JXBT	75	SI9-322E	83	153-396	92	S30-087	85		
SI9361	51	SI9-323D	83	153-401	92	S39-394	86		
SI9361HF	51	SI9-323E	83	154-058	86	S39-395	92		
SI9372	48	SI9-324D	83	154-147	90	S39-396	86		



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