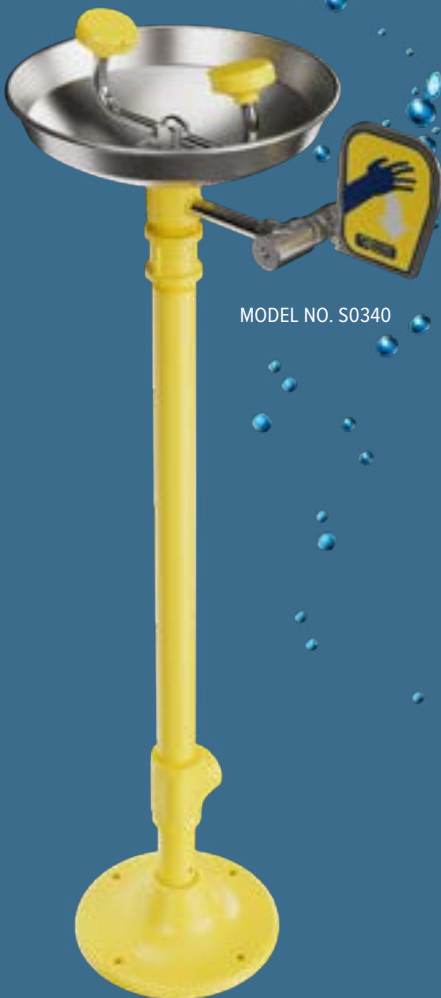




SAFETY[®]

PRODUCT BROCHURE



MODEL NO. S0340



MODEL NO. S0702

 MORRIS GROUP INTERNATIONAL

WWW.MORRISGROUPINT.COM

ABOUT US

Acorn Safety® is a proud manufacturer of the industry's leading emergency drench equipment and safety plumbing products for commercial and industrial markets, including pharmaceuticals, manufacturing plants, utility & maintenance rooms, laboratories and more.

MODEL NO. ERB BOXER

The Acorn Safety product line features heavy-gauge stainless steel products designed to maintain safety and security in workplace environments.

The Acorn Safety product line features:

- Eye/Face Washes
- Portable Eye Washes
- Drench Showers
- Combination Eye/Face Wash & Drench Showers
- Skid and/or Strut-Mounted Systems
- Emergency Tempering Valves
- BAS Compatible Products

MODEL NO. S1320

PRODUCT CATEGORIES

EYE/FACE WASHES

PAGE 4

DRENCH SHOWERS

PAGE 8

COMBINATION DRENCH SHOWERS

PAGE 10

OPTIONS

PAGE 14

INSTANTANEOUS WATER HEATERS

PAGE 16

THERMOSTATIC MIXING VALVES

PAGE 17

COMMAND STATION

PAGE 19

TEMPERING SYSTEMS

PAGE 20

OUR MARKETS:

- Pharmaceuticals
- Petrochemical Processing
- Laboratories
- Utility & Maintenance Rooms
- Battery Plants
- Manufacturing Plants
- Schools and Hospitals



WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

② **MODEL NO: S0320**

Plastic Bowl, Pedestal-Mounted
Eye/Face Wash

③ **MODEL NO: S0340**

Stainless Steel Bowl, Pedestal-Mounted
Eye/Face Wash

OPTIONS AND FEATURES

① **SPRAY HEADS**

- Soft, dispersed flow effectively washes contaminated eyes
- Pressure activated, flip top dust covers
- Highly visible yellow ABS
- Antimicrobial
- Flow controls provide balanced flow exceeding minimum standards of 3.0 GPM at 30 PSI
- Filters remove debris from water

② **ABS PLASTIC BOWL**

- Antimicrobial additives molded into plastic

③ **STAINLESS STEEL BOWL**

④ **STAINLESS STEEL PUSH HANDLE**

- Strong and durable
- Stainless steel valve stem
- Inline, accessible strainer

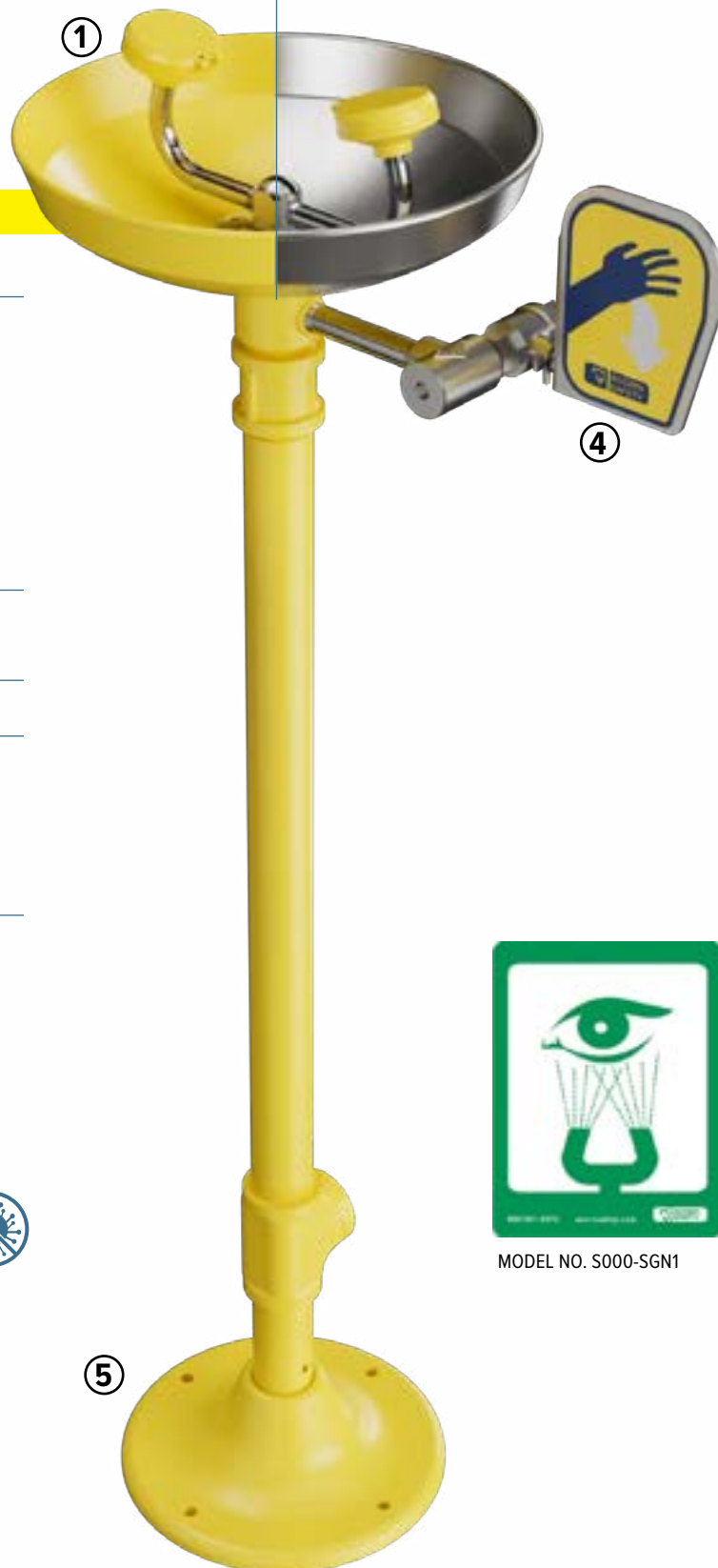
⑤ **FLOOR, WALL OR DECK MOUNTING**

MORE FEATURES

- Ease of maintenance
- Conveniently pre-assembled
- Highly visible yellow powder coating
- Barrier-free options

ANTIMICROBIAL AGENT STANDARD

Emergency Drench Equipment with ABS plastic contains an antimicrobial agent that prevents bacterial growth.



MODEL NO. S000-SGN1

MODEL NO: S0340

Stainless Steel Bowl, Pedestal-Mounted Eye/Face Wash

Model S0340 is a pedestal-mounted eye/face wash with a stainless steel bowl, ABS plastic eye/face wash spray heads, an inline strainer and a stay-open 1/2" ball valve with a push handle.



MODEL NO: S0320-HFC

Plastic Bowl, Pedestal-Mounted Eye/Face Wash with Hand/Foot Control

Model S0320-HFC is a pedestal-mounted eye/face wash with a plastic bowl, ABS plastic eye/face wash spray heads, an inline strainer, and a stay-open 1/2" ball valve with a push handle and a foot control.



MODEL NO: S0340-CS1

Stainless Steel Bowl, Pedestal-Mounted Eye/Face Wash with Clam-Shell Cover

Model S0340-CS1 is a pedestal-mounted eye/face wash with a stainless steel bowl, a "clam-shell" stainless steel cover, ABS plastic eye/face wash spray heads, an inline strainer and a stay-open 1/2" ball valve with a push handle.



MODEL NO: S0340-BF

Barrier-Free, Stainless Steel Bowl, Pedestal-Mounted Eye/Face Wash

Model S0340-BF is a barrier-free, pedestal-mounted eye/face wash with a stainless steel bowl, ABS plastic eye/face wash spray heads, an inline strainer and a stay-open 1/2" ball valve with a push handle.

Note: Unit may comply with some but not all requirements for ADA.



SAFETY Eye/Face Washes

MODEL NO: S0420

Wall-Mounted Eye/Face Wash

Model S0420 is a wall-mounted face and eye wash with a plastic bowl, ABS plastic face/eye wash spray heads, an inline strainer, and a stay-open 1/2" ball valve with a push handle.



MODEL NO: S0340-FPB

Pedestal-Mounted Eye/Face Wash, Frost Proof Bury

Model S0340-FPB is a pedestal-mounted eye-face wash station, with a stainless steel bowl, ABS plastic eye-face wash spray heads, and a frost-proof bury valve with a push handle. The unit is designed to drain completely, and the valve and supply are buried below the frost line—two ways this model is designed to avoid freezing.



FROST-PROOF BURY DEPTHS

24, 36 or 48" Standard



MODEL NO. S000-SGN1

MODEL NO: S0560

Recessed, Swing Down Eye/Face Wash

Model S0560 is a recessed, wall-mounted, swing down eye/face wash that is installed in the wall with a stainless steel cabinet and ABS plastic eye/face wash spray heads. The eye/face wash swings down horizontally and the water flow is activated automatically. The eye/face wash flow is terminated once the unit has been swung back up into the cabinet for storage.



MODEL NO: S0960

Deck-Mounted Swivel Eye/Face Wash

Model S0960 is designed for installation on the deck of a sink (not provided). It features antimicrobial ABS plastic eye/face wash heads and a swiveling design. The eye/face wash swings out horizontally over the sink from the right side and the water flow is activated automatically. The eye/face wash flow is terminated once the unit has been swung back into its original position for storage.



MODEL NO: S1200

Plastic Head,
Horizontal-Mounted Shower



MODEL NO: S2200

Stainless Steel Head,
Horizontal-Mounted Shower

②



OPTIONS AND FEATURES

① PLASTIC HEAD

- Antimicrobial ABS plastic
- Inline flow control

② STAINLESS STEEL HEAD

- Inline flow control

③ STAINLESS STEEL PULL ROD

- Easily accessible stainless steel pull handle
- Strong and durable
- Pull rod linked to 1" stay-open ball valve

MORE FEATURES

- Ease of maintenance
- Conveniently pre-assembled
- Highly visible yellow powder coating
- Barrier-free options



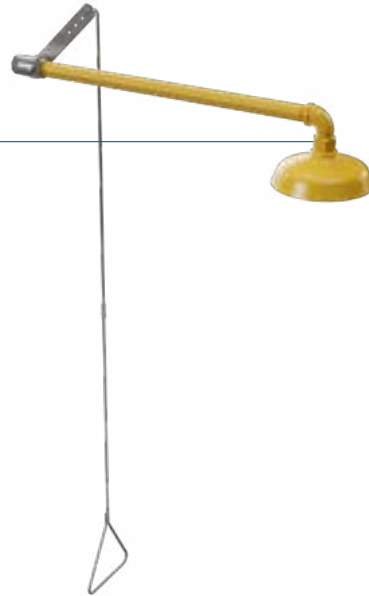
MODEL NO. S000-SGN2



MODEL NO: S2200-BF-PR60

Barrier Free, Stainless Steel Head, Horizontal-Mounted Shower with 60" Pull Rod

Model S2200-BF-PR60 is a barrier-free, horizontal-mounted emergency shower with a stainless steel showerhead and a 1" stay-open ball valve with a 60" pull rod.



MODEL NO: S2200-PE27-PR63

Stainless Steel Head, Horizontal-Mounted Shower with 27" Pipe Extension & 63" Pull Rod

Model S2200-PE27-PR63 is a partially concealed, horizontal-mounted emergency shower with a stainless steel showerhead vertically dropped through the ceiling and a 1" stay-open ball valve with a pull rod. Shower is designed for applications where the ceiling is 8 - 10 feet above the floor.



MODEL NO: S2200-PE27-PR85

Barrier-Free, Stainless Steel Head, Horizontal-Mounted Shower with 27" Pipe Extension & 85" Pull Rod

Model S2200-PE27-PR85 is a barrier-free, partially concealed, horizontal-mounted emergency shower with a stainless steel showerhead vertically dropped through the ceiling and a 1" stay-open ball valve with a pull rod. Shower is designed for applications where the ceiling is 8 - 10 feet above the floor.



MODEL NO: S2200-RA

Stainless Steel Head, Horizontal-Mounted Shower with Recessed Activation

Model S2200-RA is a recessed activated, horizontal-mounted emergency shower with a stainless steel showerhead.



Pedestal-Mounted Combination Drench Shower

OPTIONS AND FEATURES

① PLASTIC HEAD

- Antimicrobial ABS plastic
- Inline flow control

② STAINLESS STEEL HEAD

- Inline flow control

③ SPRAY HEADS

- Soft, dispersed flow effectively washes contaminated eyes
- Pressure activated, flip top dust covers
- Highly visible yellow ABS
- Antimicrobial
- Flow controls provide balanced flow
- Filters to remove debris from water

④ STAINLESS STEEL BOWL

⑤ STAINLESS STEEL PULL ROD

- Easily accessible stainless steel pull handle
- Strong and durable
- Stainless Steel valve linkage

⑥ STAINLESS STEEL PUSH HANDLE

- Strong & durable
- Stainless Steel valve stem
- Inline, accessible strainer

⑦ STAINLESS STEEL FOOT PEDAL

- Easily accessible durable stainless steel push handle
- High durability stainless steel for foot activation
- Hands-free operation

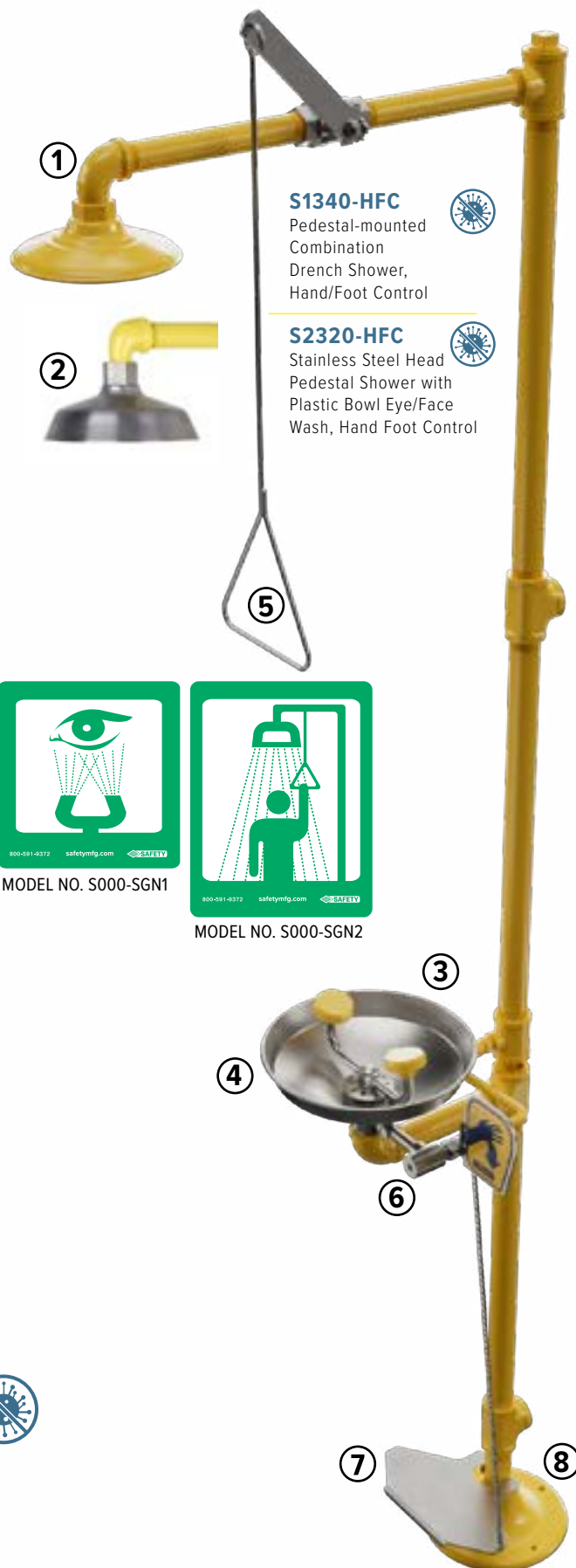
⑧ FLOOR, WALL OR DECK MOUNTING

MORE FEATURES

- Ease of maintenance
- Conveniently pre-assembled
- Highly visible yellow powder coating
- Barrier-free options

ANTIMICROBIAL AGENT STANDARD

Emergency Drench Equipment with ABS plastic contains an antimicrobial agent that prevents bacterial growth.



S1340-HFC

Pedestal-mounted Combination Drench Shower, Hand/Foot Control



S2320-HFC

Stainless Steel Head Pedestal Shower with Plastic Bowl Eye/Face Wash, Hand Foot Control



MODEL NO. S000-SGN1

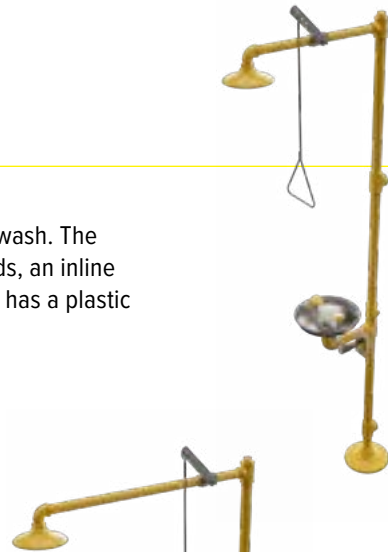


MODEL NO. S000-SGN2

MODEL NO. S1340

Pedestal-Mounted Combination Drench Shower

Model S1340 is a pedestal-mounted combination drench shower and eye/face wash. The eye/face wash has a stainless steel bowl, ABS plastic eye/face wash spray heads, an inline strainer and a stay-open 1/2" ball valve with a push handle. The drench shower has a plastic showerhead and a 1" stay-open ball valve with a pull rod.



MODEL NO. S1340-BF

Barrier-Free, Pedestal-Mounted Combination Drench Shower

Model S1340-BF is a barrier-free, pedestal-mounted combination drench shower and eye/face wash. The eye/face wash has a stainless steel bowl, ABS plastic eye/face wash spray heads, an inline strainer and a stay-open 1/2" ball valve with a push handle. The drench shower has a plastic showerhead and a 1" stay-open ball valve with a pull rod.

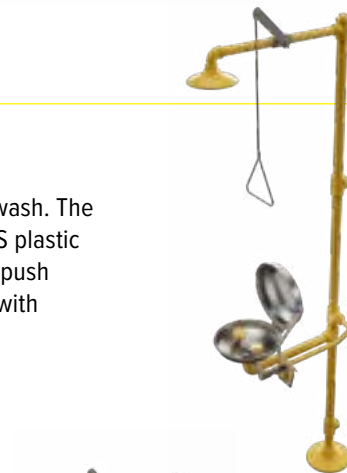
Note: When installed at the appropriate height, unit may comply with some but not all requirements for ADA.



MODEL NO. S1340-CS1

Pedestal-Mounted Combination Drench Shower, Stainless Steel Bowl & Clam-Shell Cover

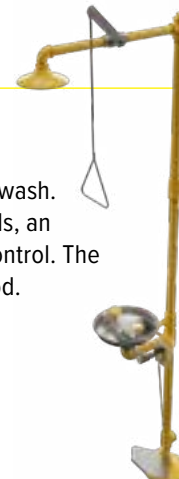
Model S1340-CS1 is a pedestal-mounted combination drench shower and eye/face wash. The eye/face wash has a stainless steel bowl, a clamshell-style stainless steel cover, ABS plastic eye/face wash spray heads, an inline strainer and a stay-open 1/2" ball valve with a push handle. The drench shower has a plastic showerhead and a 1" stay-open ball valve with a pull rod.



MODEL NO. S1340-HFC

Pedestal-Mounted Combination Drench Shower, Hand/Foot Control

Model S1340-HFC is a pedestal-mounted combination drench shower and eye/face wash. The eye/face wash has a stainless steel bowl, ABS plastic eye/face wash spray heads, an inline strainer and a stay-open 1/2" ball valve with a push handle and a hand/foot control. The drench shower has a plastic showerhead and a 1" stay-open ball valve with a pull rod.



Pedestal-Mounted Combination Drench Shower

MODEL NO: S1320-PVC

All-PVC Pedestal-Mounted Shower

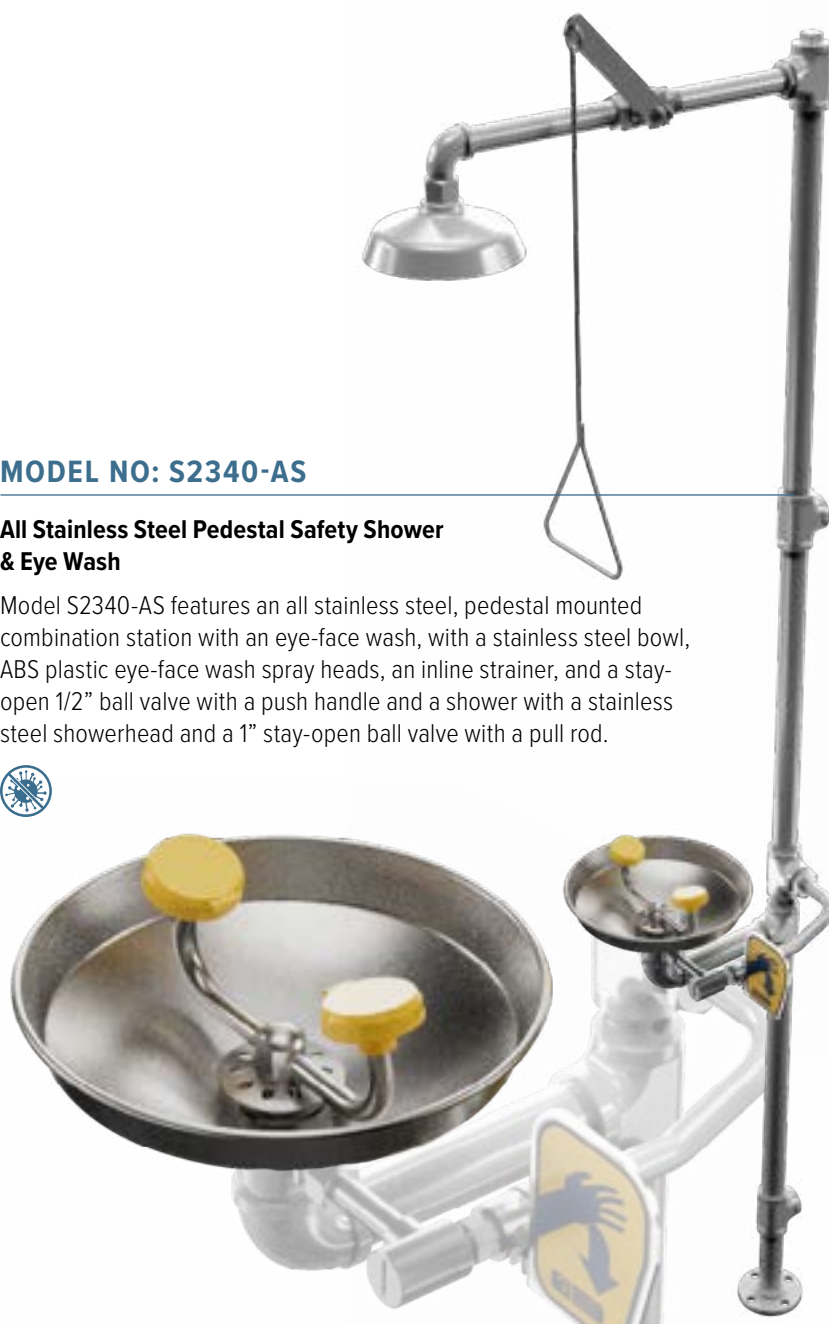
Model S1320-PVC is a PVC-constructed pedestal-mounted emergency combination shower with a plastic showerhead, emergency eye/face wash, 1" PVC stay-open ball valve and pull rod.



MODEL NO: S2340-AS

All Stainless Steel Pedestal Safety Shower & Eye Wash

Model S2340-AS features an all stainless steel, pedestal mounted combination station with an eye-face wash, with a stainless steel bowl, ABS plastic eye-face wash spray heads, an inline strainer, and a stay-open 1/2" ball valve with a push handle and a shower with a stainless steel showerhead and a 1" stay-open ball valve with a pull rod.





MODEL NO: S1360-HT

Heat Traced Plastic Head Pedestal Shower with Eye/Face Wash, Less Bowl

Model S1360-HT is a heat traced, pedestal-mounted combination station. The eye/face wash part of this combination unit includes ABS plastic eye/face wash spray heads, inline strainer with stay-open 1/2" ball valve and push handle. The drench shower includes a plastic showerhead, 1" stay-open ball valve with pull rod, a flexible drench hose and stay-open 1/2" ball valve with push handle. Unit is insulated and encased in a molded ABS jacket with a heat traced cable wrapped around the internal supply pipe and a thermostat to control the heating.



MODEL NO: S1340-FPB

Frost-Proof Pedestal Safety Shower with Stainless Steel Eye Wash

Model S1340-FPB is a pedestal-mounted combination station with an eye/face wash composed of a stainless steel bowl, ABS plastic eye/face wash spray heads, an inline strainer and a stay-open 1/2" ball valve with a push handle. The unit features a shower with a plastic showerhead and a 1" stay-open ball valve with a pull rod.

The unit is designed to drain completely, and the valve and supply are buried below the frost line—two ways this model is designed to avoid freezing.



S0000-FLW

OPTION: FLOW SWITCH

(Specify FLW1 for 1-1/4" NPT, or FLW2 for 1/2" NPT)

Model S0000-FLW is an NPT DPDT (double pole, double throw) flow switch with contacts that allow for remote monitoring and audio/visual alarms.

The switch is installed in the water supply line prior to the emergency equipment and is activated once it senses the movement of water in the supply line.



MODEL NO. S000-FLW1

MODEL NO. S000-FLW2



MODEL NO. AL2

S0000-SGN

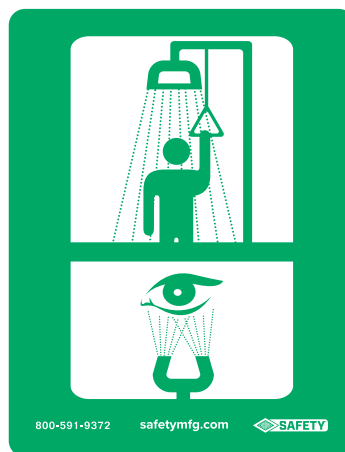
Universal vertical emergency drench equipment signs made from UV-resistant white plastic with green printing.



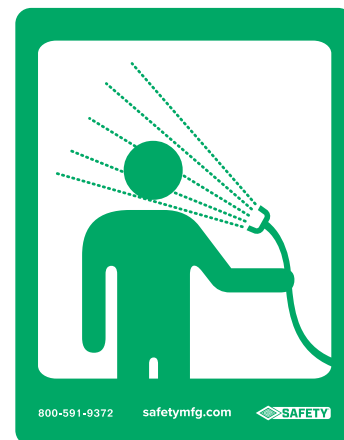
MODEL NO. S000-SGN1



MODEL NO. S000-SGN2



MODEL NO. S000-SGN3



MODEL NO. S000-SGN4

S0000-AL

OPTION: ELECTRIC ALARM WITH FLASHING LIGHT & HORN

(Specify AL-2 for 1-1/4" flow switch, AL-3 for 1-1/4" indoor only flow switch or AL-4 for 1/2" flow switch)

Model S0000-AL is an electric arm with flashing amber light and horn. A flow switch activates the light and horn when the fixture is in use. The flow switch has DPDT (double pull, double throw) contacts, which allow for remote monitoring.



MODEL NO. S0000-FPV

S0000-FPV

OPTION: FREEZE PROTECTION VALVE, 1/2 -INCH

The S0000-FPV will initiate flow when the thermostatic actuator senses a temperature of 35°F (1.7°C). It is typically piped to a drain and thereby purges the cold water and brings fresh water to the valve/fixture to prevent freezing conditions. The valve will remain open until it senses a water temperature of 40°F (4.4°C) or more, at which point it will automatically close resetting itself.



MODEL NO. S0000-SPV

S0000-SPV

OPTION: SCALD PROTECTION VALVE, 1/2 -INCH

The S0000-SPV will initiate flow when the thermostatic actuator senses a temperature of 98°F (36.7°C). It is typically piped to a drain and thereby purges the unsafe water and brings fresh/safe water to the valve/fixture. The valve will remain open (fully open at 105°F (40.6°C)) until it senses a safe temperature of 95°F or less, at which point it will automatically close resetting itself.

S0402

WALL-MOUNTED STAY-OPEN DRENCH HOSE

Model S0402 is a wall-mounted eye-face and body drench hose with an ABS plastic eye-face wash spray head, stay-open squeeze lever valve, and an eight-foot (2.44 meter) reinforced PVC hose. Drench hoses are to be used as supplements to, not replacements for, other types of emergency drench equipment (ANSI Z358.1 - 2014).



MODEL NO. S0402



MODEL NO. S3160-RA-FXC

S3160-RA SERIES

FLUSH MOUNTED STAINLESS STEEL SAFETY CEILING SHOWER WITH RECESSED EYE-FACE WASH

Model S3160-RA is a barrier-free, recessed activated, eye-face wash with ABS plastic eye-face wash spray heads and a vertically mounted emergency shower with a recessed stainless steel showerhead. The eye-face wash swings down over the floor from the recessed cabinet and the water flow is activated automatically. The eye-face wash flow is terminated once the unit has been swung back up into its original position for storage.



MODEL NO. S3160-RA-PAN

Includes a 2" waste drain pan (requires plumbed waste connection)



MODEL NO. S3160-RA-PAN-FOP

Includes a 2" waste drain pan (requires plumbed waste connection) with front outlet port

EMERGENCY TEMPERING VALVES



MODEL ET71

ET71 is intended for use with emergency eye washes, face washes, eye/face wash combinations, and drench showers.

FOUR SIZES AVAILABLE

USED IN RESIDENTIAL, COMMERCIAL, INSTITUTIONAL, AND INDUSTRIAL APPLICATIONS.

FEATURES:

- » Temper water for safe use in emergency eye washes, drench showers, and combination units
- » Brass and paraffin wax design eliminates unreliable and inconsistent performance of competitors' bi-metal designs
- » Suitable for recirculating systems

STANDARDS:

- » ASSE 1071
- » CSA B125.3
- » UPC
- » Lead Free



Patent Nos. **9,879,658** and **9,898,017**

» Optional Inlet/Outlet Temperature Gauge and Connection "T."

» Optional locking ball valves eliminate the need for a lockable cabinet to prevent unauthorized shut-off.



MODEL NO. 1320



MODEL NO. ET71

SUPPLY FIXTURES



USED IN COMMERCIAL, INSTITUTIONAL, AND INDUSTRIAL APPLICATIONS.

FEATURES:

- » A customized valve system for whole-building or recirculating loop regulation
- » 100% factory assembled and tested

TYPICAL ITEMS INCLUDED

- » Ball valves on the inlets and outlet.
- » Outlet temperature gauge.
- » Piping.
- » Tempering valve with integral checks and strainers.

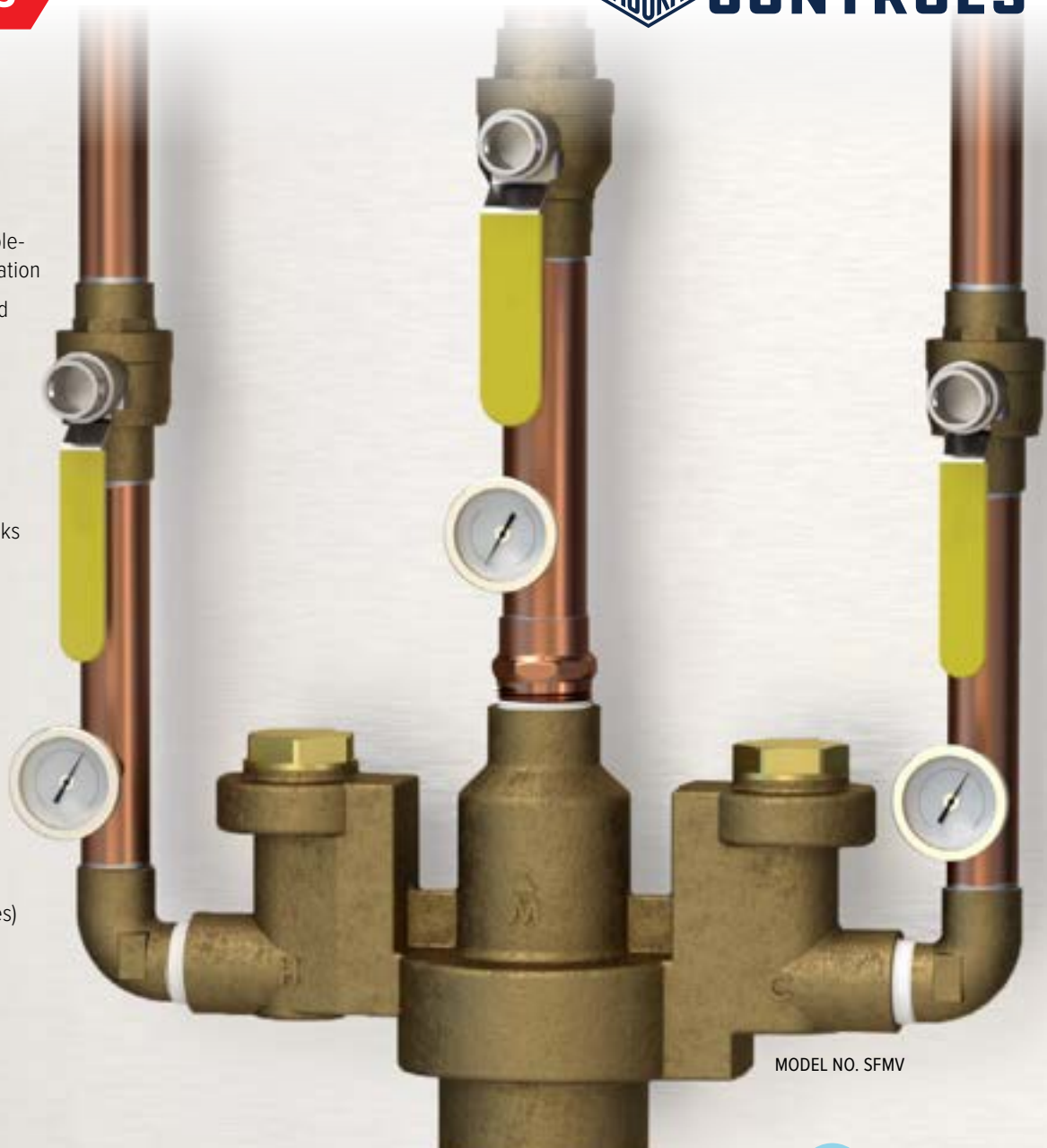
OPTIONS

- » Hot/cold water bypass.
- » Inlet temperature gauges.
- » Wall-mounted or recessed cabinet
- » Other modifications/options upon request

STANDARDS:

- » ASSE 1017 (SFMV and SFMMV Series)
- » ASSE 1071 (SFET Series)
- » ASSE 1069/1070 (SFST Series)
- » NSF/ANSI 61 (SFST Series)
- » CSA B125.3
- » UPC
- » Lead Free  

Patent No. **9,898,017**



SFMV AND SFMMV SERIES

FEATURES:

- » Based on MV17 Master Mixing Valves.
- » Use for hot water distribution systems in small to large commercial applications.
- » Available with BASyC® upgrade or option to add later.

SFET SERIES

FEATURES:

- » Based on ET71 Series Mixing Valves.
- » Use for safety systems such as eye/face washes and drench showers.
- » 4 models/sizes based on minimum flow performance requirements and maximum flow demands.
- » Available with BASyC® upgrade or option to add later.

SFST SERIES

FEATURES:

- » Based on the ST7069 Mixing Valve.
- » Delivers safe, tempered water to point of use fixtures such as sinks, baths and showers.
- » Ideal for commercial, institutional or residential applications.
- » Available with BASyC® upgrade or option to add later.

COMMAND STATION® SYSTEM - CSET SERIES

MODEL NO. CSET

The CSET Series Command Station system is a self-contained tempering and recirculating water system customized for emergency fixture applications.

Model CSET is specifically designed to address the tepid water distribution and regulation needs in systems with emergency drench equipment. Model CSET utilizes ET71 valves to meet the requirements of ASSE 1071.

FEATURES

- » Lead Free, DZR brass valve bodies with corrosion resistant and Lead Free internal components
- » Integral checks with strainers prevent crossflow and debris from damaging internal valve components
- » Easy temperature adjustment by authorized personnel
- » High-quality thermal actuators for reliable performance
- » Lockable brass ball valves
- » Combination temperature/pressure gauges
- » IAPMO-Certified valves capable of exceeding ASSE temperature and accuracy requirements
- » Easy installation due to heavy-duty welded frame with pre-attached valves
- » Leak-free installation—100% air-under-water tested to 80 PSI
- » Includes GFI receptacle for electrical components
- » Upgrade to digital monitoring with the BASyC® system—Command Station systems ship with necessary components to accommodate future upgrade

STANDARDS

- » ASSE 1071
- » CSA B125.3
- » cUPC
- » Lead Free



BASyC® DIGITAL MIXING VALVE AND MONITORING SYSTEM

USED IN RESIDENTIAL, COMMERCIAL, INSTITUTIONAL, AND INDUSTRIAL APPLICATIONS

FEATURES:

- » A digital system that provides round-the-clock monitoring and adjustment capability to a Command Station® supply fixture (see previous page)
- » Regulate up to four mixing valves and two loops with one controller (e.g. hot water for sinks and tepid water for emergency drench equipment)
- » Non-proprietary electronics interface with any building management software system
- » Sanitation override option - raise temperature to kill bacteria
- » Redundant system - in case of power outage or system failure, valves continue to maintain temperatures to ASSE 1017 requirements or ASSE 1071

Patent No. **9,898,017**



STANDARDS:

- » ASSE 1017
- » ASSE 1071
- » NSF/ANSI 61 (SFST Series)
- » CSA B125.3

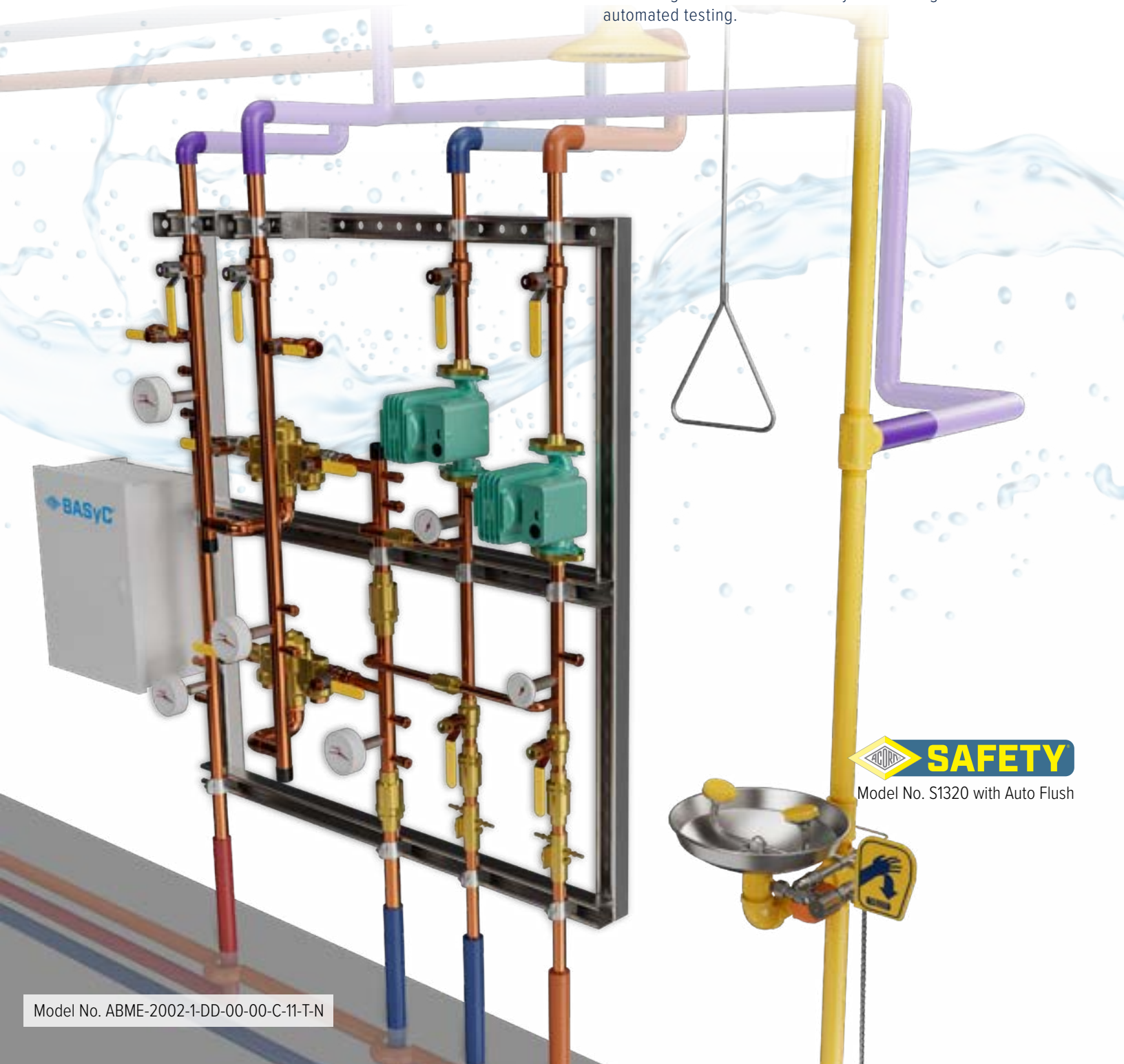
MODEL ABMV-2

Acorn Controls® BASyC® Digital Mixing Valve and Monitoring System

SAFETY COMPLIANCE YOU CAN TRUST

Key Benefits of BASyC

- Save Time & Money: Fully automated weekly testing process
- Ensure Compliance: Detailed confirmation reports for every test
- Zero Mess: Advanced flow modulation eliminates cleanup
- Complete Peace of Mind: Regular testing ensures your safety equipment works when it matters most
- Smart Safety: Ensures OSHA and ANSI compliance while minimizing labor costs and liability risks through automated testing.



Model No. ABME-2002-1-DD-00-00-C-11-T-N

 **SAFETY**
Model No. S1320 with Auto Flush



STOP WASTING TIME ON MANUAL EYEWASH TESTING



AUTOMATE YOUR ANSI COMPLIANCE WITH BASyC

ANSI standards require weekly activation of plumbed emergency eyewash and shower equipment. Not only is this time-consuming—it's risky. Manual testing procedures are vulnerable to human error, missed schedules, and incomplete documentation.

Why leave something so critical to chance?

Acorn Controls® BASyC® digital mixing valve and monitoring system automates the entire process, ensuring your facility meets ANSI requirements for plumbed emergency eyewash and shower equipment.



Model No. S1320 with Auto Flush

Point-Of-Use Instantaneous Water Heaters



MODEL NO. E-46S/208

INSTANT-TEMP® ELECTRONIC TANKLESS WATER HEATER

E SERIES

Instant-Temp is our top-of-the-line instantaneous water heater and is ideal for Acorn Safety® Emergency Eye/Face Washes.

FEATURES:

- Flow rates between 0.35 GPM and up to 0.65 GPM
- 46 to 90 Kilowatt Range
- Deionized water option available
- 99% energy efficient
- Compact design
- Meets ADA barrier-free requirements
- Can serve as a booster application to existing water heaters

BOXER® TANKLESS WATER HEATER

ERB SERIES

Step into the ring with the BOXER® water heater—the industry's highest quality instantaneous water heater, providing maximum flow rates of tepid water to Emergency Drench Showers, Eye/Face Washes and Tempering Systems whenever it is needed.

FEATURES:

- Flow rates between 2.6 gallons and 30.0 gallons per minute!
- 68.4 to 154 Kilowatt Range
- No pressure and temperature relief valve needed
- Ideal for combination drench shower stations
- Specified with 84° F tepid water to meet ANSI Z358.1
- Energy-efficient
- Unlimited hot water
- Compact design



MODEL NO. ER-H SERIES



TWINS™ & TRIPLETS™ TANKLESS WATER HEATER

ER SERIES

Available in 1-Phase, 2-Phase and 3-Phase options, TWINS™ and TRIPLETS™ water heaters utilize ultra quick response times to supply fast tepid water to emergency drench equipment.

FEATURES:

- Flow rates between 0.35 GPM and up to 2.8 GPM
- 12.5 to 22.2 Kilowatt Range (TWINS); 18.7 to 33.3 Kilowatt Range (TRIPLETS)
- Rugged stainless steel housing
- Space-saving compact design
- No pressure and temperature valve needed
- 99% energy efficient
- Multiple applications handled with one heater



MODEL NO. ERB-H-3P



Tempering Systems

ACORN SAFETY® STS SERIES

ACORN SAFETY EMERGENCY WATER TEMPERING SYSTEMS (STS)

Acorn Safety® Emergency Water Tempering Systems provide usable tempered water immediately in an emergency, where time delays in receiving proper irrigation for hazardous material exposure can increase the severity of trauma and/or injury. Each of these systems is customizable, and is configured based on individual requirements of the facility and/or customer.

These customized/packaged systems are skid- or strut-mounted and designed for any and all environments. Acorn Safety works with you to provide solutions and options that simplify your installation/maintenance requirements all while helping you meet your safety/regulatory requirements. Whether you have space limitations and/or constraints for indoor, outdoor, warm or cold climates, contact Acorn Safety for a solution that meets your specific needs.

Acorn Safety will be there to assist you every step of the way during the selection process.

All of the Acorn Safety® STS models can be modified and configured to your specific needs. Please contact Acorn Safety for available options and other configurations.

LOCATION¹

- Indoor
- Outdoor

TANKLESS OPTIONS

- None
- 77 KW
- 115 KW
- 154 KW

VOLTAGES

- 480V 3 Phase
- 600V 3 Phase
- Other (Specify)*

BOOSTER PUMP

- None
- Required**

TANK OPTIONS

- No Tank
- 119G Non ASME Tank
- 120G ASME Tank
- 200G ASME Tank
- 310G ASME Tank

SHOWER EYE/FACE

- None
- Included

CLASSIFICATION

- General Purpose
- NEMA 4
- NEMA 4X
- CL1 DIV2

RECIRC PUMP

- None
- Required***

¹All are available for indoor or outdoor. Contact Acorn Safety for details.

*Other voltages might affect tankless heater options

**Additional details required for pump selection

***Additional details required for pump selection



ANTIMICROBIAL AGENT STANDARD

Emergency Drench Equipment with ABS plastic contains an antimicrobial agent that prevents bacterial growth.



Acorn® BASyC® digital mixing valve and monitoring system is available as an option for tempering systems. Contact Acorn Safety for more information. See page 19 for BASyC overview.

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Visit Acorn Safety for details about tempering systems.



MODEL NO. STS-13001100

SKID-MOUNTED TEMPERING SYSTEM

FEATURES:

- Storage tanks feature an adjustable temperature immersion heater to provide hot water
- Variable speed recirculation pumps increase efficiency and performance
- All required gauges, fittings, pumps, expansion tank and relief valves included to ensure proper installation, maintenance and performance
- All equipment mounted on a stainless steel skid
- Complete system pre-piped and wired for a single point electrical and water supply connection
- ET71 tempering valve provides tepid water in accordance with ASSE 1071, extending the amount of tepid water available
- Customizable to your specifications
- Functionally tested prior to shipment to ensure a fast and easy installation



MODEL NO. STS-12001111

PUMPING SYSTEMS

FEATURES:

- Configurable with a booster pump that overcomes low water pressure, and system pressure loss concerns
- Recirculation pump ensures all points on your loop have access to warm water quickly
- Pumps are sized to your system requirements
- NEMA 4, 4X, and CL1 DIV2 available
- Moveable with the use of a forklift
- Customizable to your specifications
- Functionally tested prior to shipment to ensure a fast and easy installation.
- All equipment mounted on a stainless steel skid.



MODEL NO. STS-11011100

SKID-MOUNTED TEMPERING SYSTEM



FEATURES:

- Complete system pre-piped and wired for a single point electrical & water supply connection
- All required gauges, fittings, relief valves and expansion tank included to ensure proper installation, maintenance and performance
- All equipment mounted on a stainless steel skid
- Storage tanks feature an adjustable temperature immersion heater to provide hot water
- ET71 tempering valve provides tepid water in accordance with ASSE 1071 and extends the amount of tepid water available
- Integral S1360 combination drench shower to meets the requirements of ANSI Z358.1
- Alarm with flow switch and light to alert facility personnel when shower is being used
- Functionally tested prior to shipment to ensure a fast & easy installation every time

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Visit Acorn Safety for details about tempering systems.

Outdoor Tempering Systems



STRUT-MOUNTED TEMPERING SYSTEM

FEATURES:

- Storage tank shipped with union connections that match up to the pre-piped system
- All required gauges, fittings, pumps, expansion tank and relief valves included to ensure proper installation, maintenance and performance
- Instantaneous heater doubles to first provide standby hot water to the storage tank, and then further provides hot/tepid water to the mixing valve during operation. This helps to reduce the required tank size and/or provides more tepid water to the system
- Disconnect switch provides a single point electrical connection
- Variable speed recirculation pumps to increase efficiency and performance
- ET71 tempering valve with a thermostatic balancing valve for automatic temperature control/system balancing further extends the amount of tepid water available
- Functionally tested prior to shipment to ensure a fast & easy installation every time
- Only three connections are required for install (cold water supply, tepid outlet & tepid return)



OUTDOOR TANKLESS WATER HEATER TEMPERING SYSTEM



FEATURES:

- Equipped with a Chronomite® Electric Tankless Water Heater, providing instantaneous tempered water
- Fully customizable to fit the needs of each industrial workspace
- Indoor and outdoor applications
- No water storage tank required
- No pressure or temperature mixing valve required
- Can be supplied with an Acorn Safety® Drench Shower
- All components handled with a single water heater
- Pre-piped and wired for single point electrical and water supply connections



OUTDOOR BOOTH TEMPERING SYSTEM



FEATURES:

- Constructed from stainless steel—no wood utilized
- Freeze protected with the use of a space heater
- Multiple tempering options, including tank and tankless
- Alarm with flow switch and light alerts facility personnel when unit is operating.
- NEMA 4, 4X, and CL1 DIV2 available
- Movable with the use of a forklift
- Customizable to your specifications
- Functionally tested prior to shipment to ensure a fast and easy installation.

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Visit Acorn Safety for details about tempering systems.

Manufacturing Divisions

WATER CONTROLS



DRAINAGE



PLUMBING FIXTURES & ACCESS



FIRE PROTECTION



MANUFACTURING SUPPORT



Sales & Distribution



UNITED KINGDOM



ELMCO + ASSOC.



CANADA

