



# JUSTRITE®

## New Products

Lab and Industrial Safety Products

**VOL.2**  
CATALOG  
SUPPLEMENT



Eye/Face Wash Equipment

Solvent Waste Systems &  
Thermoplastic Carboys



Polyethylene Cabinets



for Corrosive Chemicals



Aerosol Can  
Recycling System



Safety Showers

**TRUSTED SAFETY SINCE 1906**  
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# **JUSTRITE®** Trusted Safety Containment Systems and Emergency Response Products

Since 1906 customers have relied on Justrite for solutions to help protect workers and the environment, reduce fire risks, and improve productivity. We're committed to providing you product offerings in sync with evolving industry demands. Our comprehensive line includes products for handling and managing flammable liquids, such as code compliant safety cabinets and containers, smoking receptacles, drum handling equipment, and environmental spill containment products. New safety showers and eye/face washes provide reliable, effective emergency treatment.

Our products are specifically engineered to promote workplace safety and efficiency making your job easier. We thoroughly test our products for excellent quality, reliability, and compliance to applicable codes and regulations.



To view our entire portfolio of products or request a copy of our full-line catalog, visit our website or call us at 800-798-9250.

## Can't find what you need?

If your safety requirement cannot be met by off-the-shelf solutions, we're here to help. We custom build spill berms, safety cabinets, HPLC safety cans, and safety showers. Go to [justrite.com/custom](http://justrite.com/custom) for more information.

## Expanding to serve you better!

Our goal—provide an exceptional customer experience, offer new protection solutions, and become your



## Global Protection

Justrite products are available worldwide. For pricing and availability, simply contact the authorized distributor nearest you.

## Justrite and Chemical Compatibility

Because of the complex nature of chemicals, Justrite cannot offer specific recommendations on chemical compatibility. Your chemical supplier, MSDS sheets, or other expert sources should be consulted. To aid in your decision process to select the appropriate Justrite product for your application, contact Justrite Customer Service to obtain sample material parts for you to test with the chemicals you are using. Justrite makes no guarantee of results and assumes no obligation or liability in connection with the use of these products and their application relative to their chemical compatibility. It is the end user's sole responsibility to determine the nature of the materials to be contained and to select the proper product suitable for a particular application. Furthermore, it is the end user's responsibility to insure that the product selected is suitable for its intended use. **JUSTRITE MAKES NO WARRANTY, EXPRESSED OR IMPLIED OF MERCHANTABILITY OR FITNESS FOR PURPOSE**, and assumes no liability in connection with any product made or sold by Justrite with regard to its use or chemical compatibility.

## Justrite Printed Catalog

Warranty Disclaimer: Justrite has made a diligent effort to illustrate and describe the products in this catalog accurately; however, such illustrations and descriptions are for the sole purpose of identification, and do not express or imply a warranty that the



one-source provider of workplace safety equipment. If you're using safety cabinets and cans in your facility, you'll likely also need safety eye/face wash and emergency shower products in the event of a chemical splash or spill incident. That's why we're pleased to offer you new emergency response products—a comprehensive line of over 80 models to suit many applications. Safety showers, lab containers and cabinets, and an aerosol can recycling system ... check out all these new products!

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Note: Justrite metric equivalents may be inconsistently noted. Capacities shown may be nominal because some products may hold more than listed to accommodate manufacturing tolerances and expansion, as well as others are designed to accommodate additives which is a common practice with safety can usage. Additionally, rounding may occur to simplify data or where catalog space is restrictive. In other cases nominal capacities have simply become accepted over the last 100 years since Justrite has been in business.

Shipping weights are approximate and are subject to change.

Approval and Compliance Key

<b>O</b>	Complies with Occupational Safety and Health Administration (OSHA) Regulations	<b>AN</b>	Meets or exceed American National Standards Institute (ANSI) Z358.1
<b>ENS</b>	Complies with European standard for showers, EN15154	<b>E</b>	Complies with Environmental Protection Agency (EPA) Regulations





# WORKPLACE SAFETY SOLUTIONS



## ***SAFETY EYE/FACE WASH AND SHOWERS*** Pages 4-18

Respond to accidents with reliable, effective emergency personal treatment products—over 80 models to suit a variety of applications.



## ***CORROSIVE CHEMICAL STORAGE CABINETS*** Page 19

Store acids or bases in completely metal-free polyethylene cabinets—never worry about corrosion again!



## ***LABORATORY CONTAINERS*** Pages 20-24

Over 150 models including VaporTrap™ Solvent Waste Systems with filters protect workers from inhaling dangerous fumes. Space-saving, rectangular carboys with versatile caps offer a wide range of tubing port configurations.





## **AEROSOLV® AEROSOL CAN DISPOSAL SYSTEMS**

Pages 25-27

Meet EPA requirements and safely recycle aerosol cans while reducing disposal costs—turns aerosol cans into recyclable scrap steel and captures harmful VOCs in a high-efficiency activated carbon filter.



## EMERGENCY EYEWASHES AND SHOWERS

### Why do I Need Emergency Safety Eyewashes and Showers

Emergencies occur daily in workplaces across a wide variety of industries. In some environments where injuries come as a result of chemical spills or splashes, caustic burns, or where airborne/blown particulates are common—the risk for an accident can be even greater. One part of every good safety program is preparedness, the ability to respond to an incident—hence the need for safety eyewashes and showers.

According to NIOSH Centers for Disease Control and Prevention, 2,000 eye injuries occur on the job every day in the U.S. The first ten seconds following exposure is critical to minimize serious injury. Immediate and proper treatment with an eyewash station is the best strategy for a positive outcome.



#### POTENTIAL WORKPLACE HAZARDS

Acids or bases.  
Caustic chemical compounds examples:

- ✓ Sulfuric acid
- ✓ Hydrochloric acid
- ✓ Hydrofluoric acid
- ✓ Liquid ethylene oxide
- ✓ Chlorine
- ✓ Ammonia
- ✓ Sodium hydroxide
- ✓ Formaldehyde

Flammable liquids, cleaning solvents

Lab chemicals

Stains, thinners, paints, acetone

Gas, diesel fuel, oils

Hydraulic fluid, battery acid, antifreeze

Pesticides, insecticides, herbicides, fertilizers

Fine particulates such as:

- ✓ Dust
- ✓ Dirt
- ✓ Sand
- ✓ Salt
- ✓ Powders

Wood chips and slivers, nails, staples

Welding sparks, UV radiation burns

Smoke, gases

Biohazards, bacteria, germs

Bodily fluids, bloodborne pathogens

#### BENEFITS OF FLUSHING

Dilutes chemicals on skin/eye

Flushes the chemicals out of the eyes or off the skin

Warms/cool the body or eyes from a change of temperature due to chemical exposure

Extinguishes burning clothes on the body







Even under the most cautious conditions, accidents can happen.



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# EMERGENCY EYEWASHES AND SHOWERS

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## ANSI Compliance Overview

The following summary provides a general overview to assist specifiers in understanding some of the ANSI guidelines. **Consult the complete ANSI Z358.1 2014 standard before purchasing or installing emergency safety equipment.**

### Water Temperature

**Sections 4.1.2, 4.5.5, 5.1.1, 6.1.1, 8.2.1**

Water delivered by the emergency safety equipment should be tepid, between 60-100°F (16-38°C).

At temperatures above 100°F (38°C) there is the added danger of scalding and increased absorption of harmful chemicals into the skin. Prolonged exposure to water below 60°F (16°C) increases the risk of thermal shock or hypothermia and prevents the casualty using the shower to decontaminate effectively for the full 15 minutes.

### Location

**Sections 4.5.2, 5.4.2, 5.4.3, 6.4.2, 6.4.3, 7.4.2, 7.4.3**

Emergency safety equipment should be installed within 10 seconds reach and on the same level as a potential hazard.

They must be situated in a prominent position, clearly visible, well-lit and free from any obstructions.

### Water Flow

**Sections 4.1.2, 4.5.5**

Emergency safety showers should deliver a minimum of 20 US gallons (76 liters) per minute of potable water for up to 15 minutes in the required spray pattern.

**Sections 5.1.6, 5.4.5, 6.1.6, 6.4.5**

Eye/face wash units should deliver 3 US gallons (11.4 liters) per minute for up to 15 minutes to ensure a thorough decontamination.

### Operation

**Sections 4.1.5, 4.2, 5.1.4, 5.2, 6.1.4, 6.2, 8.2.2**

Both emergency safety showers and eyewashes must be designed so that the valves remain open without the use of the operator's hands until intentionally closed.

The control valve must be simple to operate and go from "off" to "on" in 1 second or less.



### What OSHA Says

U.S. Code of Federal Regulations 29 CFR 1910.151 Medical Services and First Aid indicates:

OSHA 1910.151(c) 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.

### What ANSI Says

The American National ANSI Z358.1-2014 standard is recognized worldwide and considered to be the most comprehensive. It provides guidance for determining the flow rate, duration of operation, and water temperatures necessary for safe and

on to on in 1 second or less.

### **Maintenance**

**Sections 4.6.2, 4.6.5, 5.5.2, 5.5.5, 6.5.2, 6.5.5, 7.5.5**

Emergency safety equipment must be visually inspected and activated weekly along with an annual service to guarantee reliable and effective operation and conformance with the standard.

### **Training**

**Sections 4.6.4, 5.5.4, 6.5.4, 7.5.4**

Personnel who may be exposed to hazardous materials should be instructed on the safe and proper use of the emergency safety equipment and be advised of its location.

effective use of any emergency safety shower and eyewash unit. It's important to meet the minimum requirements, which may be mandatory on some sites.

### **What EN 15154 Says**

The European standard should be the first choice for guidance for EU based companies. EN 15154 takes guidance from the worldwide ANSI Z358-1, but also stipulates specific requirements on nozzle spray patterns for both plumbed in eye wash units and body showers for the laboratory.

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## EMERGENCY EYE/FACE WASH EQUIPMENT :: plumbed in



Eye/face wash stations deliver 3-gallons (11.4-liters) of tepid water per minute for up to 15 minutes to ensure a thorough decontamination.

### Eye/Face Wash Equipment Overview

When an eye injury occurs, immediate treatment by flushing the contaminated area provides significant benefits to the injured person. Every second counts—should treatment be delayed, effects can range from temporary to permanent blindness. ANSI Z358.1 dictates that an eyewash station should be accessible no more than a 10-second, unobstructed walk from a hazard and that it should provide tepid flushing fluid for a minimum of 15 minutes.

Factories, laboratories or schools, whatever the location, all plumbed in eye/face washes are designed to be quick and simple to operate. This extensive range is intended for indoor use but may, where practical, be located outdoors in warmer climates.

There are various options to suit all environments; open or closed bowl, plastic or stainless steel and powder coated, perfect for the laboratory. Whether you need wall, pedestal, table or bench mounted eye/face washes there is a model to fit your requirements.

### Wall-Mounted Eye/Face Wash with Integral Lid

- *Reliable, effective emergency treatment for eye/face injuries*
- *Meets ANSI Z358.1 and EN 15154 standards, supports OSHA requirements*

Eye/face wash with high, ANSI-compliant flow rate includes aerated diffusers which provide a soft, scrubbing action to the eyes and face. Made of durable, corrosion-resistant acrylic capped ABS, the eye/face wash fountain incorporates an integral lid connected to the water valve for automatic operation—activate by simply pulling down the lid. Covered bowl also ensures that the eyewash nozzles and bowl remain clean and free from contamination at all times—no dust covers needed. Eye wash diffusers fitted with fine mesh strainers and an individual flow controller deliver a gentle flow of aerated water to comfortably rinse eyes. Easy-to-reach flow regulator valve positioned on side of bowl adjusts to suit the severity of the accident. High visibility pictogram on unit and separate 10 x 12-in (254 x 305-mm) universal eye wash sign for mounting at higher location. Includes an inspection record tag for recording test and service history.

#### 1. Integral lid

Connects to the water valve for automatic water activation when lid is pulled down.

#### 2. Aerated Eye Wash Diffusers

For high flow rate irrigation with a soft scrubbing action. Diffusers fitted with fine mesh strainers deliver a gentle

#### 4. Covered Eye/Face Wash

Protects the bowl and diffusers against dust and debris—stays contaminate free.

#### 5. Acrylic Capped ABS

Tough, durable construction with corrosion and UV resistance.

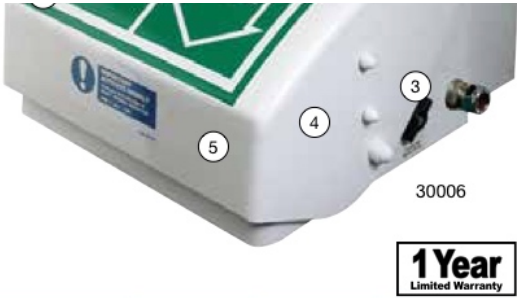


strainers deliver a gentle water flow for comfortable eye rinsing.

3. Flow Regulator Valve

Ensures an optimum water flow—adjusts to suit the severity of the accident.

6. Large Pictogram Sign  
For greater visibility.



Emergency Eye/Face Wash Equipment - Plumbed In - Wall Mounted

Description	Nominal Dimensions H x W x D	Inlet Size NPT	Minimum Pressure PSI / bar g	Water Flow per Minute US Gallons / Liters	Approv/Lstg Regulation	Model No	Nominal Product Wt lbs/kg
Eye/face wash, closed ABS bowl	8.9 x 13.5 x 14.3 in 227 x 343 x 362 mm	1/2 in (F)	29/2	3/11.4	AN, ENS	30006	7/3



See page 2 for Approval and Compliance Key

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plumbed in :: **EMERGENCY EYE/FACE WASH EQUIPMENT**

**Wall-Mounted Emergency Eye/Face Wash, Open Bowl**

- Twin spray nozzles protected by dust covers that pop-off when eye wash is activated via the push plate
- Diffusers fitted with fine mesh strainers and an individual flow controller provide a gentle flow of aerated water and prevent further injury to the eyes
- High-performance quarter-turn ball valve made of 316L stainless steel endures the harshest environments and site conditions
- Available with economical, yellow plastic ABS open bowl or corrosion-resistant stainless steel bowl
- Includes a separate 10 x 12-in (254 x 305-mm) universal eye wash sign for enhanced visibility as well as an inspection record tag for recording test and service history
- Meets ANSI Z358.1 and EN 15154 standards, supports OSHA requirements



**1 Year**  
Limited Warranty

Emergency Eye/Face Wash Equipment - Plumbed In - Wall Mounted

Description	Nominal Dimensions H x W x D	Inlet Size NPT	Minimum Pressure PSI / bar g	Water Flow per Minute US Gallons / Liters	Approv/Lstg Regulation	Model No	Nominal Product Wt lbs/kg
Eye/face wash, open ABS bowl	11.6 x 16.9 x 15.7 in 295 x 429 x 400 mm	1/2 in (F)	29/2	3/11.4	AN, ENS	30000	9/4
Eye/face wash, open stainless steel bowl	11.6 x 16.9 x 15.7 in 295 x 429 x 400 mm	1/2 in (F)	29/2	3/11.4	AN, ENS	30003	9/4

**Laboratory Range Emergency Eye/Face Wash**

- Pop-off dust covers protect the twin spray nozzles from contaminants, these are lifted off by the water jets upon operation via the push plate
- Fine mesh strainers and an individual flow controller provide a gentle flow of aerated water and prevent further injury to the eyes
- High-performance quarter-turn ball valve made of 316L stainless steel endures the harshest environments and site conditions
- Ideal for laboratories, schools and general light duty indoor use
- Includes a separate 10 x 12-in (254 x 305-mm) universal eye wash sign for enhanced visibility as well as an inspection record tag for recording test and service history

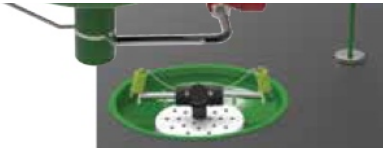


These wall, table, bench and pedestal mounted eye/face wash units meet ANSI Z358.1 and EN 15154 standards, and supports OSHA requirements. They feature an



Z356.1 and EN 15154 standards, and supports OSHA requirements. They feature an easy-to-clean stainless steel green powder coated finish, ideal for the laboratory, and provide 3-gallons (11.4-liter) per minute of flushing fluid.

Model No 30012 mounts flush with table.



Emergency Eye/Face Wash Equipment - Plumbed In - Laboratory Range

Description	Nominal Dimensions H x W x D	Inlet Size NPT	Minimum Pressure PSI / bar g	Water Flow per Minute US Gallons / Liters	Approv/Lstg Regulation	Model No Stainless Steel	Nominal Product Wt lbs/kg
Laboratory eye/face wash, wall mount	11.6 x 16.9 x 15.7 in 295 x 429 x 400 mm	1/2 in (F)	29/2	3/11.4	AN, ENS	30011	8/4
Laboratory eye/face wash, table mount	8.3 x 16.9 x 11.8 in 210 x 429 x 300 mm	1/2 in (F)	29/2	3/11.4	AN, ENS	30012	7/3
Laboratory eye/face wash, pedestal mount	43.9 x 12.4 x 21.5 in 1116 x 314 x 547 mm	1 in (M)	29/2	3/11.4	AN, ENS	30013	18/8

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See page 2 for Approval and Compliance Key

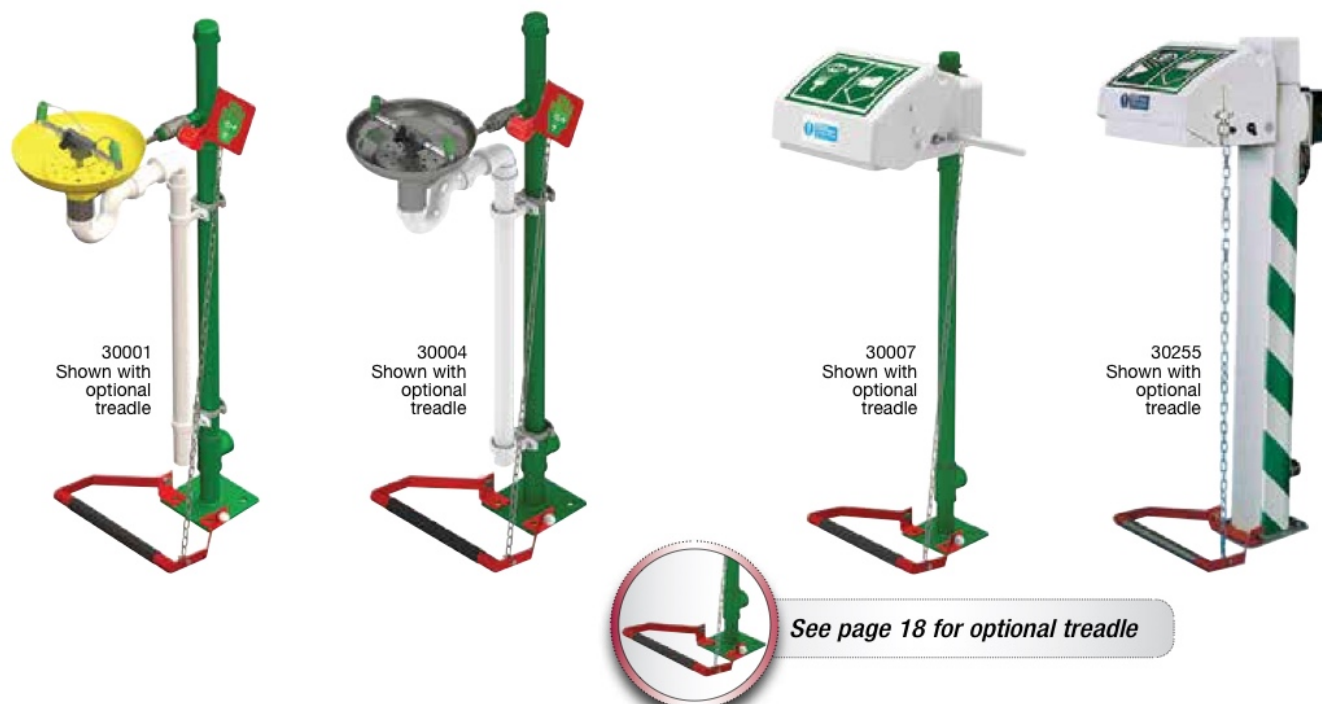


## EMERGENCY EYE/FACE WASH EQUIPMENT :: plumbed in

### Pedestal Mounted Range of Eye/Face Wash Stations

- Available in an acrylic capped ABS covered bowl, or choose from either an ABS or stainless steel open bowl with twin spray nozzles protected by dust covers that pop-off when eye wash is activated
- Diffusers fitted with fine mesh strainers and a flow controller provide a gentle flow of aerated water and prevent further injury to the eyes
- Includes a separate 10 x 12-in (254 x 305-mm) universal eyewash sign for enhanced visibility, as well as an inspection record tag for recording service and test history

Pedestal-mounted eye/face wash units, designed at ANSI-compliant height, are generally located in open areas away from walls. Choose either galvanized or stainless steel pipework. For cold climates with a minimum ambient operating temperature of -4°F (-20°C) or above use freeze protected models which are trace-tape heated and insulated. Suitable for use in both Class 1 Division 2 hazardous areas, as well as non-hazardous areas. Meets ANSI and EN 15154 standards and supports OSHA requirements. Easy activation—push red hand sign on open bowl models; pull down lid on covered bowl models. Add optional foot treadle for a secondary means of activation.





†Emergency Eye/Face Wash Equipment - Plumbed In - Pedestal Mounted

Description	Nominal Dimensions H x W x D	Inlet Size NPT	Minimum Pressure PSI / bar g	Water Flow per Minute US Gallons / Liters	Approv/Lstg Regulation	Model No Galvanized Steel	Model No Stainless Steel	Nominal Product Wt lbs/kg
Eye/face wash, open ABS bowl	45.5 x 12.4 x 21.2 in 1156 x 314 x 538 mm	1-1/4 in (F)	29/2	3/11.4	AN, ENS	30001	30002	22/10
Eye/face wash, open stainless steel bowl	45.5 x 12.4 x 21.2 in 1156 x 314 x 538 mm	1-1/4 in (F)	29/2	3/11.4	AN, ENS	30004	30005	22/10
Eye/face wash, closed ABS bowl	47 x 19.8 x 18.3 in 1194 x 502 x 464 mm	1-1/4 in (F)	29/2	3/11.4	AN, ENS	30007	30008	22/10
<b>Freeze Protected</b>								
Eye/face wash, closed ABS bowl, hazardous 120V, 60/50 Hz	48.1 x 14.8 x 24.9 in 1223 x 375 x 632 mm	1-1/4 in (M)	29/2	3/11.4	AN, ENS	30255	30256	31/14
Eye/face wash, closed ABS bowl, hazardous 240V, 60/50 Hz	48.1 x 14.8 x 24.9 in 1223 x 375 x 632 mm	1-1/4 in (M)	29/2	3/11.4	AN, ENS	30257	30258	31/14

†Some assembly may be required.



See page 2 for Approval and Compliance Key

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## plumbed in & self-contained :: **EMERGENCY EYE/FACE WASH EQUIPMENT**

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### Handheld Drench Hose and Eye/Face Wash

- Fitted with pop-off dust covers, a non-return valve and flow regulator
- Complete with 4.9-feet (1.5-m) of reinforced hose, particularly useful for treating disabled personnel
- Lock-on actuating button for ease of use

Wall mounted handheld drench hose model number 30014 suits hazardous environments where there is a risk of small spillages of chemicals or dangerous substances. Model number 30016 also meets ANSI and EN 15154 water flow standards for an eye/face wash. Includes an inspection record tag for recording test and service history.



### Portable, Self-Contained Emergency Wash

- 2.9 US gallon (11-liter) wash provides a gentle flow of water for two minutes
- Incorporates a stainless steel cylinder with pressure gauge pressurized to 100 PSI (6.9 bar) via a Schrader tire valve
- Handheld wash diffuser on flexible hose for ease of use
- Includes an inspection record tag for recording test and service history



### Portable, Self-Contained Emergency Wash

- 4 US gallon (15-liter) stainless steel cylinder with handheld drench hose effectively washes eyes, face and body
- Delivers up to three minutes of water when pressurized to 100 PSI (6.9 bar) via a Schrader tire valve
- Pressure gauge and dual action safety valve prevent over pressurization and allow the user to vent the cylinder for cleaning and maintenance
- Includes an inspection record tag for recording test and service history



Handheld Drench Hose and Eye/Face Wash

Description	Nominal Dimensions H x W x D	Inlet Size* NPT	Pressure PSI / bar g	Water Flow per Minute US Gallons / Liters	Model No	Product Wt lbs/kg	<b>1 Year</b> Limited Warranty
Wall mount, 1 nozzle, in-line	10.8 x 2.7 x 2.7 in 274 x 69 x 69 mm	1/2 in (F)	22/1.5	2.1/8	30014	2/1	
Wall mount, 2 nozzles, angled	13.4 x 5.9 x 5.4 in 341 x 149 x 137 mm	1/2 in (F)	22/1.5	3/11.4	30016	2/1	

\* Connector hose

#### Portable, Self-Contained Wash Equipment†

Description	Capacity US Gallons/ Liters	Operating Duration (min)	Dimensions H x W x D	Water Flow per Minute US Gallons / Liters	Model No	Nominal Product Weight Full/Empty	<b>1 Year</b> Limited Warranty
Portable, self-contained wash	2.9/11	2	27.2 x 7.1 x 7.1 in 692 x 180 x 180 mm	1.59/6	30051	33/9 lbs 15/4 kgs	
Portable, self-contained wash	4/15	3	32.3 x 8.1 x 11.5 in 820 x 205 x 293 mm	1.59/6	30052	44/11 lbs 20/5 kgs	

†These portable washes offer an effective solution in locations that are unsuitable for fixed installations and should be used as a secondary measure to supplement plumbed in eye/face wash units.

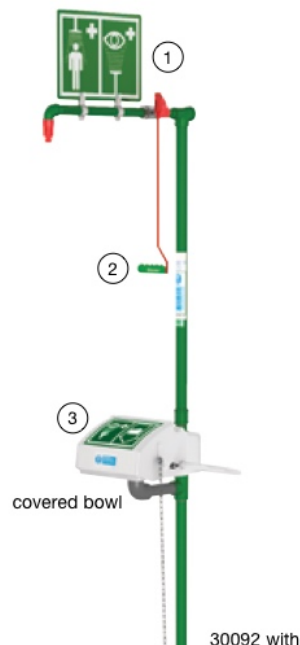
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## INDOOR EMERGENCY SAFETY SHOWERS



High performance shower valve made of 316L stainless steel with heavy-duty stop plate ensures reliable, easy operation during an emergency.



### Indoor Emergency Shower Overview

Suitable for use in all applications not subject to the possibility of freezing or overheating, these unheated safety showers range from simple wall or ceiling mounted units, to free-standing units, to combination showers used to treat eye/face accidents or full body exposure incidents.

### Combination Safety Shower and Eye/Face Wash

- All-in-one emergency station for treatment of eye/face injuries or full-body chemical exposure
- Meets ANSI Z358.1 2014 and EN 15154 standards, supports OSHA requirements
- Use in factories, schools, laboratories or other indoor environments

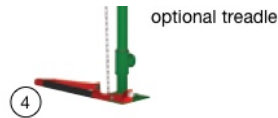
Be prepared to respond to accidents with this multifunctional safety unit that provides initial on-site treatment to eye/face or full body exposure to hazards. Available in galvanized or stainless steel, piping system features specially designed, high-performance quarter-turn ball valve made of 316L stainless steel endures the harshest environments and site conditions. Low operating torque to open valve offers reliable, easy on/off operation when emergencies occur. Valve includes an integral, heavy-duty stainless steel stop-plate to handle rough operation without failure. Simply pull shower handle to activate immediate water drenching.

Shower features a removable, self-draining overhead nozzle designed for high flow rates that meet or exceed ANSI standards. Made of durable nylon 6 material, the nozzle offers optimal spray distribution for user protection. Unlike shower rose designs, this compact nozzle reduces the potential for insect nesting and eliminates high replacement costs associated with cracked or dented plastic spray heads.

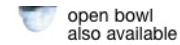
Eye/face wash with high, ANSI-compliant flow rate includes aerated diffusers which provide a soft, scrubbing action to the eyes and face. Made of durable, corrosion-resistant acrylic capped ABS, the eye/face wash fountain incorporates an integral lid connected to the water valve for automatic operation—activate by simply pulling down the lid. Also available in open bowl design in ABS or stainless steel—activate by simply pushing red hand sign. Add optional foot treadle for a secondary means of eyewash activation. All models include a universal eye wash and safety shower sign for enhanced visibility, as well as an inspection tag for recording service and test history.

1. Pictogram provides quick identification
2. Fast, easy-grip shower activation
3. Covered eye/face wash protects the bowl and diffusers against dust and debris. Activates upon





pulling down the lid.



4. Optional foot treadle provides a second way to activate eye/face wash



**1 Year**  
Limited Warranty

#### †Combination Showers - Top Water Inlet

Description	Nominal Dimensions H x W x D*	Inlet Size NPT	Minimum Pressure PSI / bar g	Water Flow per Minute US Gallons / Liters	Approv/Lstg Regulation	Model No Galvanized Steel	Model No Stainless Steel	Nominal Product Wt lbs/kg
Open ABS bowl, eye/face wash, floor mount	103 x 12.4 x 29.5 in 2617 x 314 x 751 mm	1-1/4 in (F)	29/2	20/76 (shower) 3/11.4 (eye/face)	AN, ENS	30086	30087	35/16
Open stainless steel bowl, eye/ face wash, floor mount	103 x 12.4 x 29.5 in 2617 x 314 x 751 mm	1-1/4 in (F)	29/2	20/76 (shower) 3/11.4 (eye/face)	AN, ENS	30088	30089	35/16
Closed ABS bowl, eye/face wash, floor mount	103 x 19.8 x 30.2 in 2617 x 504 x 768 mm	1-1/4 in (F)	29/2	20/76 (shower) 3/11.4 (eye/face)	AN, ENS	30092	30093	37/17
Closed ABS bowl eye/face wash, wall mount	66.7 x 19.8 x 29 in 1695 x 504 x 737 mm	1-1/4 in (F)	29/2	20/76 (shower) 3/11.4 (eye/face)	AN, ENS	30098	30099	40/18

\*Dimensions include shower-mounted universal sign. Approximate height of sign is 12-in (305-mm).

†Some assembly may be required.



See page 2 for Approval and Compliance Key

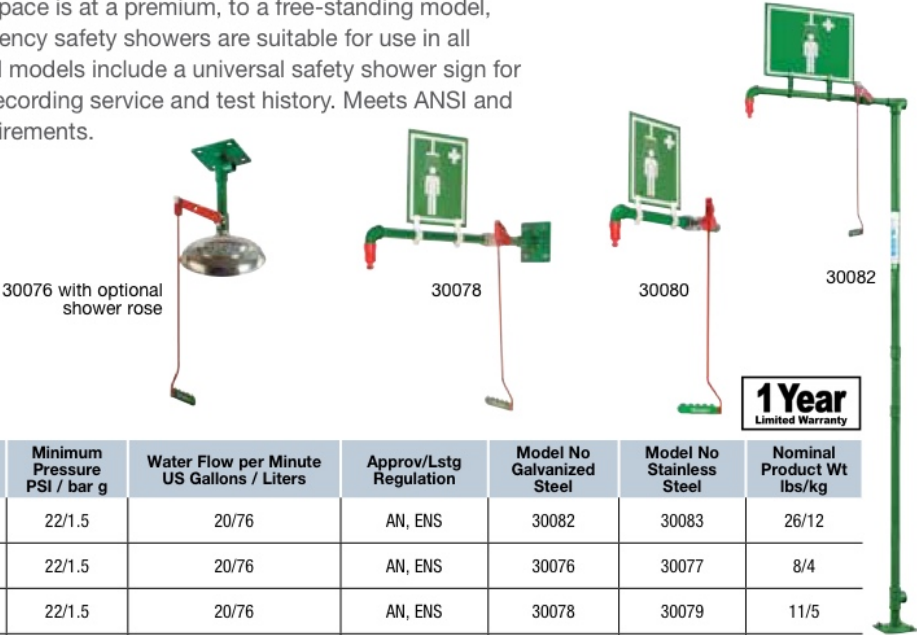
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INDOOR EMERGENCY SAFETY SHOWERS

Drench Showers

From simple wall- or ceiling-mounted units if space is at a premium, to a free-standing model, these general purpose indoor unheated emergency safety showers are suitable for use in all applications that don't require an eye wash. All models include a universal safety shower sign for enhanced visibility, and an inspection tag for recording service and test history. Meets ANSI and EN 15154 standards and supports OSHA requirements.



†Drench Showers

Description	Nominal Dimensions H x W x D*	Inlet Size NPT	Minimum Pressure PSI / bar g	Water Flow per Minute US Gallons / Liters	Approv/Lstg Regulation	Model No Galvanized Steel	Model No Stainless Steel	Nominal Product Wt lbs/kg
Floor mount	101.5 x 8.5 x 29.5 in 2579 x 215 x 751 mm	1-1/4 in (F)	22/1.5	20/76	AN, ENS	30082	30083	26/12
Ceiling mount	31.6 x 8.4 x 5.9 in 804 x 214 x 150 mm	1 in (F)	22/1.5	20/76	AN, ENS	30076	30077	8/4
Wall mount	35.8 x 8.5 x 28.7 in 909 x 215 x 730 mm	1 in (F)	22/1.5	20/76	AN, ENS	30078	30079	11/5
Ring main mount	35.8 x 6.5 x 25.6 in 909 x 165 x 651 mm	1 in (M)	22/1.5	20/76	AN, ENS	30080†	30081†	7/3

\* Dimensions include 26-in (660-mm) pull handle, and the shower-mounted universal sign, where applicable. Approximate height of sign is 12-in (305-mm).


† Mounting plate not included.

‡Some assembly may be required.


Lab Range of Indoor Showers

This range of unheated models is suitable for laboratories and general light duty indoor use. The powder coated stainless steel pipework ensures resistance to corrosive and flammable materials while also being easy to clean. All models include a universal safety shower or safety shower and eye wash sign for enhanced visibility, and an inspection tag for recording service and test history. Meets ANSI and EN 15154 standards and supports OSHA requirements.






30106  
ring main mounted



30105  
ceiling mount



30104  
wall mount



**1 Year**  
Limited Warranty

#### †Indoor Lab Showers

Description	Nominal Dimensions H x W x D*	Inlet Size NPT	Minimum Pressure PSI / bar g	Water Flow per Minute US Gallons / Liters	Approv/Lstg Regulation	Model No	Nominal Product Wt lbs/kg
Shower, wall mount	35.9 x 12.6 x 31.4 in 913 x 319 x 799 mm	1 in (M)	22/1.5	20/76	AN, ENS	30104	11/5
Shower, ceiling mount	28.5 x 16.3 x 10.9 in 724 x 414 x 278 mm	1 in (M)	22/1.5	20/76	AN, ENS	30105	11/5
Shower, ring main mount	35.9 x 13.1 x 24.4 in 913 x 334 x 620 mm	1 in (F)	22/1.5	20/76	AN, ENS	30106†	11/5
Laboratory combination shower, open powder-coated stainless steel bowl, wall mount	66.2 x 12.6 x 31.4 in 1683 x 319 x 799 mm	1 in (M)	29/2	20/76 (shower) 3/11.4 (eye/face)	AN, ENS	30107	29/13
Laboratory combination shower, open powder-coated stainless steel bowl, floor mount	101 x 12.6 x 32.7 in 2566 x 319 x 830 mm	1 in (M)	29/2	20/76 (shower) 3/11.4 (eye/face)	AN, ENS	30108	33/15

\* Dimensions include 26-in (660-mm) pull handle, and the shower-mounted universal sign, where applicable. Approximate height of sign is 12-in (305-mm).

† Mounting plate not included.

‡Some assembly may be required.

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See page 2 for Approval and Compliance Key



## INDOOR EMERGENCY SAFETY SHOWERS :: lab range



Cubicle showers offer effective emergency treatment in laboratories or any area with limited space, or applications where a shower needs to be totally enclosed.

### Emergency Cubicle Showers

Designed for locations where space is at a premium or the emergency safety shower needs to be enclosed, emergency cubicle showers include an integral drain sump and strip screens to reduce the risk of water outside the cubicle area. Cubicles feature an ANSI compliant, eye/face wash with integral, durable acrylic capped ABS lid to protect against dust and debris—activate by simply pulling down the cover. The cubicle shower has a stainless steel hollow section frame enclosed in GRP wall sheeting with stainless steel pipes for corrosion resistance and extended life. The exterior sheeting includes universal pictogram signs and green and white safety stripes.

**Model Nos. 30176 and 30177** - Multi-nozzle decontamination shower is activated by foot panel upon entry into the cubicle. Mounted on the exterior side of the cubicle for maximum shower effectiveness, the eye/face wash is hand activated. Upgrade to model no. 30177 to add a 120V sump pump, suitable for non-hazardous locations.

**Model Nos. 30180 and 30181** - All-in-one ANSI-compliant combination safety shower and eye/face station, includes shower with ABS rose and in-line, covered eye/face wash. Upgrade to model no. 30181 to add a 120V sump pump, suitable for non-hazardous locations.



1. Pictogram provides quick identification
2. Pull down handle for fast shower activation
3. Covered eye/face wash protects bowl and diffusers against dust and debris. Activates automatically upon pulling down the lid.
4. Shower incorporates 316L stainless steel ball valve with integral stop-plate for reliable operation without failure. Low operating torque offers ease of operation in emergency situations.
5. 120V sump pump prevents sump overflow  
*Note: Actual pump configuration may differ from image.*

*Comes with full-length clear plastic strip screens (not shown) to minimize water spray outside the cubicle*



30180  
shown without  
strip screens



30177  
shown without  
strip screens

30181

strip screens

**1 Year**  
 Limited Warranty

## Cubicle Showers

Description	Nominal Dimensions H x W x D*	Inlet Size NPT	Minimum Pressure PSI / bar g	Water Flow per Minute US Gallons / Liters	Approv/Lstg Regulation	Model No	Nominal Product Wt lbs/kg
Multi-nozzle body wash with strip screens, foot activated, externally mounted eye/face wash, hand activated	94.8 x 51.7 x 41.3 in 2408 x 1313 x 1049 mm	1 in (M)	50/3.5	30/115 (body) 3/11.4 (eye/face)	—	30176†	266/121
Multi-nozzle body wash with strip screens, foot activated, externally mounted eye/face wash, hand activated—sump pump, non-hazardous 120V, 60Hz	94.8 x 51.7 x 41.8 in 2408 x 1313 x 1061 mm	1 in (M)	50/3.5	30/115 (body) 3/11.4 (eye/face)	—	30177†	281/128
Shower and internally mounted eye/face wash with strip screens, hand activated	94.8 x 40.2 x 41.3 in 2408 x 1021 x 1049 mm	1 in (M)	29/2	20/76 (shower) 3/11.4 (eye/face)	AN, ENS	30180	255/116
Shower and internally mounted eye/face wash with strip screens, hand activated—sump pump, non-hazardous 120V, 60Hz	94.8 x 39.2 x 41.8 in 2408 x 995 x 1061 mm	1 in (M)	29/2	20/76 (shower) 3/11.4 (eye/face)	AN, ENS	30181	270/123

\*Dimensions include mounting plates and water inlets.

† Eye/face washes are mounted on the exterior for maximum shower effectiveness.



See page 2 for Approval and Compliance Key

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self-draining :: **OUTDOOR EMERGENCY SAFETY SHOWERS**

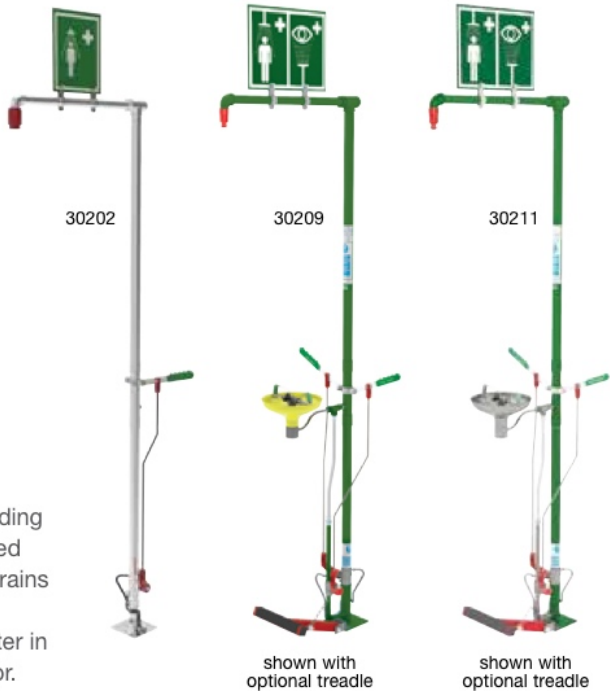
**Outdoor Self-Draining Emergency Safety Shower Overview**

In hot climates the power of the sun can heat standing water within the pipes of an emergency safety shower to temperatures as high as 122°F (50°C), resulting in a high risk of shock and scalding to a casualty when activated. Unique design of self-draining showers prevent this from happening.

**Self-Draining Emergency Safety Showers**

- Self-draining valve allows standing water to drain away from the standpipe ensuring the delivery of tepid water
- Use in warm climates with a maximum ambient temperture of 113°F (45°C)
- Meets ANSI Z358.1 2014 and EN 15154 standards, supports OSHA requirements

Use self-draining showers in hot climates to prevent the risk of shock and scalding from standing water overheated by solar radiation. Self-draining valve is situated directly above the water inlet and bleed pipe is fitted above this so hot water drains into the ground. The standpipe only fills with water when the shower is activated and drains once again when valve is closed, preventing stagnant water in the standpipe overheating and removing the risk of further injury to the operator. Easy eyewash or shower activation—pull down on appropriate hand lever. Add optional foot treadle for a secondary means of activation. All models include a universal eye wash and safety shower sign for enhanced visibility, as well as an inspection tag for recording service and test history.



**1 Year**  
Limited Warranty

†Self-Draining Outdoor Emergency Safety Showers

Description	Nominal Dimensions H x W x D*	Inlet Size NPT	Minimum Pressure PSI / bar g	Water Flow per Minute US Gallons / Liters	Approv/Lstg Regulation	Model No Galvanized Steel	Model No Stainless Steel	Nominal Product Wt lbs/kg
Drench shower	101.7 x 16 x 29.5 in 2584 x 408 x 751 mm	1-1/4 in (F)	22/1.5	20/76	AN, ENS	30201	30202	33/15
Combination shower, open ABS bowl, eye/face wash	101.7 x 25.8 x 29.5 in 2584 x 654 x 751 mm	1-1/4 in (F)	29/2	20/76 (shower) 3/11.4 (eye/face)	AN, ENS	30209	30210	35/16
Combination shower, open stainless steel bowl, eye/face wash	101.7 x 25.8 x 29.5 in 2584 x 654 x 751 mm	1-1/4 in (F)	29/2	20/76 (shower) 3/11.4 (eye/face)	AN, ENS	30211	30212	35/16

\* Dimensions include the shower-mounted universal sign. Approximate height of sign is 12-in (305-mm).

†Some assembly may be required.

**316L Stainless Steel Safety Shower Ball Valve  
Offers Reliable Operation When You Need It Most.**

*On emergency safety showers, the valve is the first point of failure, that's why we insist on using the best. It's the only way to guarantee reliable, long life safety products that consistently deliver the most effective treatment in emergencies.*

Our high performance valves comply fully with the requirements of the internationally recognized ANSI Z358.1-2014 and EN 15154 standards.

- Investment cast 316L stainless steel construction withstands the harshest atmospheres and site conditions
- Integral heavy-duty stainless steel double stop-plate reduces applied force when activated—improves ability to handle rough operation without failure
- Unbreakable lever made of molded glass filled nylon ensures reliable activation
- Low operating torque designed for ease of operation in emergency situations



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See page 2 for Approval and Compliance Key



## OUTDOOR EMERGENCY SAFETY SHOWERS :: freeze protected



Heated and insulated for frost protection, use freeze protected showers in unheated indoor environments or outdoor cold climates.

### Outdoor Freeze Protected Emergency Shower Overview

For use in cold climates with a minimum ambient operating temperature of -4°F (-20°C) or above, this range of outdoor emergency safety showers are jacketed and heated to prevent the possibility of the water inside the shower freezing. Models are suitable for use in both Class 1 Division 2 hazardous areas, as well as non-hazardous areas. All models include a universal safety shower or eyewash and safety shower sign for enhanced visibility, as well as an inspection tag for recording service and test history.

### Freeze Protected Emergency Safety Showers

- Trace tape heating with polyethylene jacket and polyurethane foam insulation improve frost protection and strength
- Available with covered acrylic-capped ABS eye/face wash to protect the bowl and diffusers from dust and debris. Automatically activates by pulling down lid. Add optional foot treadle for a secondary means of activation.
- Galvanized mild steel or stainless steel inner pipework for improved corrosion resistance
- Meets ANSI Z358.1 2014 and EN 15154 standards, supports OSHA requirements





## †Freeze Protected Showers

Description	Nominal Dimensions H x W x D*	Inlet Size NPT	Minimum Pressure PSI / bar g	Water Flow per Minute US Gallons / Liters	Approv/Lstg Regulation	Model No Galvanized Steel	Model No Stainless Steel	Nominal Product Wt lbs/kg
Drench shower, wall mount, hazardous 120V, 60/50Hz	38.1 x 10 x 36.4 in 969 x 254 x 924 mm	1 in (F)	22/1.5	20/76	AN, ENS	30251	30252	26/12
Drench shower, wall mount, hazardous 240V, 60/50Hz						30253	30254	
Drench shower, floor mount, hazardous 120V, 60/50Hz	104.5 x 8.4 x 35.2 in 2654 x 214 x 894 mm	1-1/4 in (M)	22/1.5	20/76	AN, ENS	30259	30260	46/21
Drench shower, floor mount, hazardous 240V, 60/50Hz						30261	30262	
Combination shower, closed ABS bowl, floor mount, hazardous 120V, 60/50Hz	104.5 x 14.7 x 35.2 in 2654 x 375 x 894 mm	1-1/4 in (M)	29/2	20/76 (shower) 3/11.4 (eye/face)	AN, ENS	30271	30272	55/25
Combination shower, closed ABS bowl, floor mount, hazardous 240V, 60/50Hz						30273	30274	

\* Dimensions include the shower-mounted universal sign. Approximate height of sign is 12-in (305-mm).

†Some assembly may be required.



See page 2 for Approval and Compliance Key

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# TANK SHOWERS

15

## Emergency Tank Showers Overview

Use emergency tank showers in remote environments where tepid water, or a constant supply of water is unavailable. They are essential to providing safe working conditions where insufficient water pressure exists or when it is impractical to use a plumbed safety shower. For applications within an ambient temperature range of 14°F (-10°C) and 104°F (40°C).

## Emergency Tank Showers

Large 528 US gallon (2000-L) tank shower meets and exceeds ANSI and European standards by providing tepid water for over 15 minutes at a guaranteed flow of 20 US gallons (76-liters) per minute, even when there is no mains water supply. Smaller 317 US gallons (1200-L) version complies with ANSI when connected to a water source. In an emergency the shower activates quickly by a simple push of the panic bar.



- An integral immersion heater, 110V general purpose rated, controlled by a dual safety thermostat, maintains the water in the insulated tank at a constant tepid temperature
- Rectangular hollow section galvanized steel frames are designed and built to be earthquake-proof and conform to the California Building Code
- Internally mounted, covered eye/face wash unit protects against dust and debris
- Low-pressure shower rose delivers large quantities of water in an even pattern that is non-injurious to the user
- External water level indicator provides visibility to tank levels
- Ready for quick delivery—packed for economical shipment and assembly on-site

**1 Year**  
Limited Warranty

†Tank Showers

Description	Capacity US Gallons / Liters	Nominal Dimensions H x W x D	Inlet Size NPT	Minimum Pressure PSI / bar g	Water Flow per Minute US Gallons / Liters	Approv/Lstg Regulation	Model No	Nominal Product Wt lbs/kg
Non-Hazardous 110V, 60/50Hz	317/1200	140.4 x 64.8 x 57.5 in 3567 x 1647 x 1461 mm	3/4 in (F)	8/0.5	20/76 (shower) 3/11.4 (eye/face)	—*	30376	750/340
Non-Hazardous 110V, 60/50Hz	528/2000	146.9 x 82.1 x 60.2 in 3732 x 2086 x 1528 mm	3/4 in (F)	8/0.5	20/76 (shower) 3/11.4 (eye/face)	AN, ENS	30377	1062/482

\*Model Number 30376 is ANSI compliant when connected to a water source.

†Assembly required.

**Ask about our customized emergency tank showers—  
built to fit your unique application. Call us at 800-798-9250**



The emergency tank shower product range suits different operating environments and climates—from outdoor models that are heated and pre-insulated to prevent freezing to indoor or hot climate versions that are insulated and chilled to ensure a steady temperature is maintained. Accessorize your tank shower with





fiberglass panels, strip screens, foot activation, sumps, alarm packages, and more.



Designed for severely cold climates, polar tank showers incorporate a double-skinned fiberglass insulated cubicle to protect the user from the elements. Double swing push open doors provide unimpeded access and protection from the elements. Windows in the doors enable the casualty to be monitored while using the emergency safety shower in case assistance is required. Add an optional air heater to maintain the internal cubicle temperature.

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See page 2 for Approval and Compliance Key



## EMERGENCY SAFETY SHOWERS :: temperature controlled

### Temperature Controlled Showers Overview

Intended for indoor or outdoor use in freezing conditions with minimum ambient operating temperature of -4°F (-20°C) or greater, temperature controlled safety showers and cubicles conform to ANSI and European standards. Designed to remain on standby to deliver warm water for over 15 minutes when connected to a water supply, the showers in this range have an integral heated water tank. Choose from models for both Class 1 Division 2 hazardous areas, as well as non-hazardous areas.

### Temperature Controlled Emergency Safety Shower

- High flow rate thermostatically controlled mixing valve maintains water at a constant temperature between 68 and 86°F (20 and 30°C)
- Hot water tank is immersion heated and pre-insulated with polyurethane foam to minimize heat loss
- Overhead shower and front mounted eye/face wash with protective lid are trace tape heated to prevent freezing
- Under freezing conditions, the 79 US gallon (300 liter) tank with 3kW, 240V heater ensures delivery of tepid water for the ANSI recommended minimum period of 15 minutes
- Insulated stainless steel frame and pipes with fiberglass outer casing provide improved corrosion resistance



Description	Capacity US Gallons / Liters	Nominal Dimensions H x W x D	Inlet Size NPT	Minimum Pressure PSI / bar g	Water Flow per Minute US Gallons / Liters	Approv/Lstg Regulation	Model No	Nominal Product Wt lbs/kg
Hazardous 240V, 60/50Hz	79/300	107.2 x 45.5 x 62.8 in 2724 x 1156 x 1595 mm	1-1/4 in (M)	32/2.2	20/76 (shower) 5.3/20 (eye/face)	AN, ENS	30351	507/230
Non-Hazardous 240V, 60/50Hz							30352	

**Ask about custom temperature controlled solutions for extreme conditions. Call us at 800-798-9250**



Modular polar cubicle showers are fully enclosed trace-tape heated and insulated compartments with integral drain sumps that provide protection from the elements while showering. Stainless steel, double skinned, insulated frame with yellow GRP paneling makes the modular polar cubicle perfect for outdoor use in exposed freezing conditions. Push open, double swing doors with polycarbonate windows provide easy access and automatically close upon entry while allowing the casualty to be monitored.







Accessorize these ANSI compliant cubicle showers with audio/visual alarm packages, foot activation, or a heated water tank to ensure a constant supply of tepid water for 15 minutes.



Developed to supply tepid water to emergency safety showers and eye wash units located in extreme freezing conditions, heated water tanks are available in a 119 US gallon (450 liter) capacity. Insulated with polyurethane and encased in a GRP-clad stainless steel frame, these units supply heated water to one or more emergency showers so that they also meet the temperature and duration criteria in the ANSI standard.



See page 2 for Approval and Compliance Key

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mobile :: **EMERGENCY SAFETY SHOWERS**

**Mobile Emergency Safety Shower Overview**

Mobile emergency safety showers are essential for standby use in hazardous environments where no water supply is available, or a constant supply of water is unavailable or unreliable, or when existing safety showers are undergoing maintenance.

**EZ-Move, Portable Self-Contained Safety Shower**

*Treat emergencies indoors or outdoors where water is unavailable*

Highly mobile, this self-contained safety shower with eye/face wash holds 30 US gallons (114-liters) of water for use in responding to potential accidents anywhere. Suitable for temporary use and capable of delivering a constant flow of water for 1-1/2 minutes, this exclusive design features a corrosion-resistant, polypropylene-lined pressurized cylinder and only requires the connection of a hose from a water main to fill it ready for use.

Easily maneuvered by one person, it incorporates a stainless steel frame and large diameter pneumatic tires—adjustable wheel spacing allows the unit to go through standard door openings. Built-in A-frame with towing hitch makes it simple to move longer distances or over uneven surfaces by using any small vehicle fitted with a standard tow ball.



Built-in A-frame can be towed by any vehicle fitted with a standard tow ball.

High performance shower valve made of 316L stainless steel with heavy-duty stop plate ensures reliable, easy operation during an emergency. Covered eye/face wash stays contaminate free and activates water automatically by pulling lid down. Trace tape heated model is suitable for Class 1 Division 2 hazardous areas, as well as non-hazardous areas.



Go-anywhere mobile shower provides quick response, first-aid at sites with no water supply.



**1 Year**  
Limited Warranty

Description	Capacity US Gallons / Liters	Nominal Dimensions* H x W x D	Inlet Size NPT	Minimum Pressure PSI / bar g	Water Flow per Minute US Gallons / Liters	Model No	Nominal Product Wt lbs/kg
Unheated EZ-move portable, self-contained safety shower	30/114	91.9 x 29.9 x 54.2 in 2334 x 759 x 1377 mm	1/2 in coupling	29/2	20/76 (shower) 3/11.4 (eye/face)	30451	190/86
Trace tape heated and insulated EZ-move portable, self-contained safety shower, hazardous 120V, 60/50Hz	30/114	92.9 x 33 x 56.8 in 2341 x 839 x 1444 mm	1/2 in coupling	29/2	20/76 (shower) 3/11.4 (eye/face)	30453	227/103

\* Dimensions shown are for fully assembled shower.

**Mobile, Self-contained Safety Shower with Immersion Heater**

Large capacity mobile shower with eye/face wash features a 528 US gallon (2000-liter)



30455

tank for reliable, effective treatment to accident victims in remote locations where a water supply is unavailable. Designed in accordance with ANSI and European standards, it provides a continuous flow of tepid water for over 15 minutes. Durable, chemical-resistant polyethylene tank incorporates an electric submersible pump which requires either a mains or generator-fed electricity supply. An integral immersion heater, controlled by a dual safety thermostat, maintains the water in the tank at a constant temperature. Includes heavy-duty galvanized trailer with toe hitch featuring four braked wheels with standard trailer-type pneumatic tires for easy movement between locations.



**1 Year**  
Limited Warranty

Description	Capacity US Gallons / Liters	Nominal Dimensions* H x W x D	Water Flow per Minute US Gallons / Liters	Approv/Lstg Regulation	Model No	Nominal Product Weight lbs/kg
Mobile, self-contained safety shower with immersion heater, non-hazardous 110V, 60/50Hz	528/2000	117.2 x 69.3 x 169 in 2976 x 1760 x 4295 mm	20/76 (shower) 3/11.4 (eye/face)	AN, ENS	30455	5423/2460 (full) 1054/478 (empty)

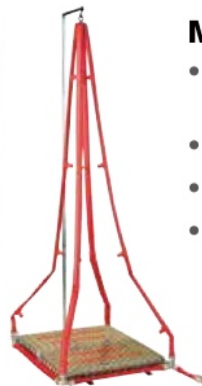
\* Dimensions shown are for fully assembled shower.

justrite.com

See page 2 for Approval and Compliance Key



## DECONTAMINATION / EMERGENCY RESPONSE



### Multi-nozzle Portable Decontamination Shower

- 16 nozzle portable decon shower—lightweight yet robust for emergency use
- Hose legs become rigid under pressure to give 360° decontamination
- Compact and rugged carrying case duals as an effective base platform
- Quickly deployed in less than a minute

**1 Year**  
Limited Warranty

†Multi-Nozzle Decon Showers

Description	Type	Nominal Dimensions H x W x D	Inlet Size NPT	Minimum Pressure PSI / bar g	Water Flow per Minute US Gallons / Liters	Model No	Nominal Product Wt lbs/kg
Multi-nozzle portable shower, 16-nozzle	Packed	30.3 x 19.7 x 7.5 in 770 x 500 x 190 mm	1-1/2 in NH (F)	44/3	462/1750 (max)	30477	55/25
	Assembled	97.6 x 33.5 x 51.2 in 2480 x 850 x 1300 mm					

†Some assembly may be required.

## Optional Accessories and Replacement Parts for Safety Showers and Eye/Face Washes

Accessorize your safety shower or eye/face wash equipment with options that improve safety, increase function, and add convenience.

### 1. Universal Shower and Eye/Face Wash Signs

Universal pictogram eye/face wash and shower signs. Designed to meet international standard BS EN ISO 7010, these durable PVC signs are white on a green background and most come with a set of brackets for mounting to the appropriate type of shower.

30502 – Eye/face wash sign suitable for wall mounting.

30505 – Shower sign with brackets for indoor/outdoor showers without insulation.

30506 – Shower sign with brackets for freeze-protected outdoor showers.

30508 – Shower and eye/face wash sign with brackets for indoor/outdoor showers without insulation.

30509 – Shower and eye/face wash sign with brackets for freeze-protected outdoor showers.

### 2. Shower Roses

An alternative to the standard shower nozzle on most unheated safety showers, simply replace the existing nozzle with the rose.

30510 – Yellow ABS shower rose, 10-inch (252-mm) diameter.

30511 – Stainless steel shower rose, 10-inch (252-mm) diameter.

### 3. Treadle Foot Activation

Designed as an alternative means of operating the eye/face wash fountain, the treadle type foot control quickly attaches to an existing unit. As a fail-safe precaution, these eyewashes can still be operated by hand should the treadle be obstructed in any way.

### 4. Thermostatic Mixing Valves

These valves blend hot and cold supply water to deliver tepid water (85°F / 29°C) to showers and eyewashes. Built in safety features prevent scalding water delivery to the emergency equipment in the event the cold water supply is interrupted or the unit malfunctions.

30518 – Use to supply water to multiple emergency showers and/or eyewash stations. Provides 60 US gallons (227-liters) per minute of tepid water at 30 PSI pressure drop.

30519 – Use to supply water to single emergency showers. Provides 25 US gallons (95-liters) per minute of tepid water at 30 PSI pressure drop.

30521 – Use to supply water to single eyewash stations. Provides 7 US gallons (26-liters) per minute of tepid water at 30 PSI pressure drop.

### 5. Water Treatment Module

Installed in tank showers, the water treatment module provides constant protection against infestations of pathogenic bacteria in water treatment systems.

Additionally, the electrolytic activity of the ceramic media produces a chemical re-action that balances the pH of the water. This results in additional benefits in the form of scale inhibition and corrosion prevention. Optimum operating life of 3 years.

30536 – Use with 317 US gallon (1200-liter) emergency tank showers

30537 – Use with 528 US gallon (2000-liter) emergency tank showers

### 6. Inspection Records and Holder



30513 – C-style treadle for use on most heated and unheated eye/face wash and combination showers.  
30533 – T-style treadle for use on self-draining eye/face wash and combination showers with open bowls, as well as tank and temperature controlled showers.

6. Inspection Records and Holder

30516 – 2 pack of inspection records  
30517 – Inspection record holder



30502



30505



30508



30510



30511



30513



30533



30518



30519



30521



30536/30537



30516





## SAFETY & STORAGE CABINETS

19

### Polyethylene Cabinet for Corrosive Chemicals

*Store acids or bases with confidence in this sturdy, completely metal-free poly cabinet, and never worry about corrosion*

- Large interior with adjustable shelf offers high-capacity storage
- Counter-height top doubles as a convenient work surface
- Seamless, leakproof sump captures dangerous corrosive spills

Safely store strong acids such as hydrochloric, sulfuric, or nitric acid; or bases such as sodium, potassium, or calcium hydroxide in this durable, HDPE (high-density polyethylene) cabinet. With no metal parts to corrode, this cabinet holds up to 36, 2.5-liter bottles, and offers chemical resistance against spills or potential damaging vapors when storing acids or bases. The shelf adjusts on 3-inch (76-mm) increments, and has a load capacity of 125-lbs (57-kgs). A removable yet sturdy sump cover, which also serves as a bottom shelf, conceals the fully integrated, leakproof sump with an 8.5-gal (32-L) capacity. Doors accept a padlock (not included) for added security.

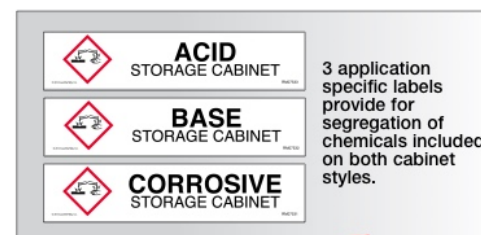
Use cabinet for stand-alone storage for access to grooved top work surface. For undercounter use, the recessed toe kick allows the user to stand closer to the counter for improved ergonomics. Expand capacity without taking up additional floor space by stacking two cabinets. Four pre-formed vent locations at rear provide a guide for an aftermarket vent kit (not included) in the event the application requires a pressurized vapor removal system.



24180



Free-standing safe storage for harsh acids, or use undercounter for convenient access.



Description	Capacity	Number of Doors	Nominal Dimensions H x W x D		Adjustable Shelves	Shelf Load lb/kg	Model No	Ship Wt lb/kg
			Exterior	Interior				
Stand-alone polyethylene cabinet	Thirty-six, 2.5-liter bottles	2 door	35 x 36 x 25 in 889 x 914 x 635 mm	28 x 31.25 x 18 in 711 x 794 x 457 mm	1	125/57	24180	106/48
Replacement polyethylene center shelf for 24180	—	—	33.375 W x 20.375 D in 848 W x 518 D mm	—	—	125/57	24103	10/5

### Countertop Polyethylene Cabinet for Corrosives

*Point-of-use convenience for small quantities of chemicals*

Safely store up to two 4-liter bottles of acids or bases in this durable, compact cabinet. Never worry about corrosion—completely metal-free polyethylene design



offers excellent chemical resistance against spills or damaging vapors. Includes two polyethylene spill trays, use one for inside to contain leaks and remove for easy cleaning. Store the extra tray under the cabinet, and remove for use as a handy work top. Hinge door from either side for best worktop utilization—accepts optional padlock for security.



24080



Compact design offers placement on lab counters for access to frequently used chemicals.

**1 Year**  
Limited Warranty

Description	Capacity	Number of Doors	Nominal Dimensions H x W x D		Adjustable Shelves	Shelf Load lb/kg	Model No	Ship Wt lb/kg
			Exterior	Interior				
Countertop polyethylene cabinet	Two, 4-liter bottles	1 door	19.75 x 14.25 x 17.125 in 502 x 362 x 435 mm	14.5 x 11 x 13 in 369 x 280 x 330 mm	—	—	24080	20/9

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SAFETY CANS & CONTAINERS



Improve air quality in labs by using a carbon exhaust filter which traps solvent vapors—install in horizontal or vertical position.



12807

12808

VaporTrap™ Solvent Waste Systems

Prevent harmful HPLC vapors from being released into the air

- Carbon filter prevents volatile organic compound vapors from being released into the air
- Two-piece cap design eliminates the need to disconnect tubing from the adapter to install a closed cap
- High-density polyethylene (HDPE) carboy features rectangular ergonomic design, saving valuable bench space

Designed to collect waste from one or more HPLC machines, VaporTrap systems include carbon exhaust filters to trap potentially harmful vapors emitted from solvents, protecting workers from inhaling dangerous fumes. The closed, leakproof system design helps eliminate spills and provides an efficient way for disposing of volatile organic compound waste.

Polypropylene cap with acetal homopolymer adapter offers a wide range of tubing port configurations with and without hose barb ports. Adapter and durable HDPE carboy provide excellent chemical compatibility against aggressive solvents. Unique, convenient features include large top handles for an ergonomic full-hand grip for added safety when moving the carboy, and clear graduation marks with  $\pm 5\%$  accuracy.

Each system includes an HDPE carboy, two 83-mm caps (one with ported adapter for waste collection and one closed for safe transport), various ports for waste tubing, one port for a carbon exhaust filter, one carbon exhaust filter, one straight adapter and one 90-degree adapter for filter, tube fittings, gasket, and plugs for unused ports.

Optional filter replacement indicator makes it easy to see when filter is saturated and requires replacement.

**Need FM-approved containers?**  
Visit our website and search on HPLC safety cans, featuring a quick-disconnect system.

**Tubing Sizing Guide for Ports**

See Tubing Sizing Guide on page 24 to help determine port size needed.

Accessories

Description	Model No	Ship wt lb/kg
Replacement carbon exhaust filter, package of two. Filter size: 1.9 OD x 7"	12849	2/1
Carbon exhaust filter indicator, package of two	12952	1/1
Replacement fittings, six 1/8" fittings and six 1/4" plugs, one pack	12851	

1 Year Limited Warranty

VaporTrap™ Solvent Waste Systems

Carboy Size	Nominal Dimensions* W x L x H	Material Type	Cap Size	1/8" Tubing OD Ports	1/4" Tubing OD Ports	1/4" or 3/8" Tubing ID Hose Barb Ports	Model No	Ship wt lb/kg
1.1 gallon (4 L)	6.1 x 6.1 x 15.75 in (155 x 155 x 400 mm)	HDPE	83 mm	1	1	1	12800	4/2
1.3 gallon (5 L)	5.2 x 8.7 x 18.75 in (132 x 221 x 476 mm)						12801	

2.6 gallon (10 L)	6.4 x 10.75 x 21.9 in (163 x 273 x 556 mm)	HDPE	83 mm	6	—	1	12802	5/2
5.3 gallon (20 L)	8.1 x 13.6 x 26.7 in (206 x 345 x 678 mm)						12803	8/4
1.1 gallon (4 L)	6.1 x 6.1 x 15.75 in (155 x 155 x 400 mm)	HDPE	83 mm	6	—	1	12805	4/2
1.3 gallon (5 L)	5.2 x 8.7 x 18.75 in (132 x 221 x 476 mm)						12806	
2.6 gallon (10 L)	6.4 x 10.75 x 21.9 in (163 x 273 x 556 mm)						12807	5/2
5.3 gallon (20 L)	8.1 x 13.6 x 26.7 in (206 x 345 x 678 mm)						12808	8/4
1.1 gallon (4 L)	6.1 x 6.1 x 15.75 in (155 x 155 x 400 mm)	HDPE	83 mm	4	3	—	12810	4/2
1.3 gallon (5 L)	5.2 x 8.7 x 18.75 in (132 x 221 x 476 mm)						12811	
2.6 gallon (10 L)	6.4 x 10.75 x 21.9 in (163 x 273 x 556 mm)						12812	5/2
5.3 gallon (20 L)	8.1 x 13.6 x 26.7 in (206 x 345 x 678 mm)						12813	8/4
1.1 gallon (4 L)	6.1 x 6.1 x 15.75 in (155 x 155 x 400 mm)	HDPE	83 mm	4	4	—	12815	4/2
1.3 gallon (5 L)	5.2 x 8.7 x 18.75 in (132 x 221 x 476 mm)						12816	
2.6 gallon (10 L)	6.4 x 10.75 x 21.9 in (163 x 273 x 556 mm)						12817	5/2
5.3 gallon (20 L)	8.1 x 13.6 x 26.7 in (206 x 345 x 678 mm)						12818	8/4
1.1 gallon (4 L)	6.1 x 6.1 x 15.75 in (155 x 155 x 400 mm)	HDPE	83 mm	4	3	1	12820	4/2
1.3 gallon (5 L)	5.2 x 8.7 x 18.75 in (132 x 221 x 476 mm)						12821	
2.6 gallon (10 L)	6.4 x 10.75 x 21.9 in (163 x 273 x 556 mm)						12822	5/2
5.3 gallon (20 L)	8.1 x 13.6 x 26.7 in (206 x 345 x 678 mm)						12823	8/4

\*Note: Height includes filter oriented in horizontal position.



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## SAFETY CANS & CONTAINERS

21

### VaporTrap™ UN/DOT Solvent Waste Systems

*UN/DOT solvent waste system ensures safe transport of hazardous liquids*

- UN/DOT certified carboy and closed cap for packaging group II, and hazardous chemicals
- Carbon filter prevents volatile organic compound vapors from being released into the air
- Two-piece cap design eliminates the need to disconnect tubing from the adapter to install a closed cap

These UN/DOT solvent waste systems provide liquid waste collection and disposal for single or multiple HPLC machines. Carbon exhaust filter traps potentially harmful vapors emitted from solvents, protecting workers from inhaling dangerous fumes. UN/DOT certified carboy and 70-mm closed cap (UN Rating 3H1/Y1.8/100) are designed for single-use and easy disposal of laboratory waste.

The high-density polyethylene (HDPE) cap with acetal homopolymer adapter offers a wide range of top connection options. Select tubing port configurations to accommodate various tubing sizes and create a closed system preventing leaks or spills. Heavy duty HDPE carboy features a large top handle for an ergonomic full-hand grip, and provides excellent chemical compatibility against aggressive solvents.

Each system includes an HDPE UN/DOT container, two 70-mm caps (one with ported adapter for waste collection and one closed for safe transport), various ports for waste tubing, one carbon exhaust filter, one port for carbon exhaust filter, one straight and one 90-degree filter adapter, tube fittings, EPDM gasket, and plugs for unused ports.



Safely dispose of laboratory waste in these durable, United Nations/Department of Transportation certified carboys—simply remove cap with filter and replace with closed cap for transport.



Optional filter indicator makes it easy to see when filter is saturated and needs replacement.



12846

12841

### VaporTrap™ UN/DOT Solvent Waste Systems

**1 Year**  
Limited Warranty

Carboy Size	Nominal Dimensions* W x L x H	Material Type	Cap Size	1/16" Tubing OD Ports	1/8" Tubing OD Ports	1/4" Tubing OD Ports	1/4" or 3/8" Tubing ID Hose Barb Ports	Model No	Ship wt lb/kg
3.6 gallon (13.5 L)	9.25 x 11.3 x 13.1 in (235 x 287 x 333 mm)	HDPE	70 mm	6	—	—	—	12836	4/2
5.3 gallon (20 L)	9.25 x 11.3 x 17.5 in (235 x 287 x 445 mm)							12837	5/2
3.6 gallon (13.5 L)	9.25 x 11.3 x 13.1 in (235 x 287 x 333 mm)	HDPE	70 mm	—	6	—	—	12838	4/2
5.3 gallon (20 L)	9.25 x 11.3 x 17.5 in (235 x 287 x 445 mm)							12839	5/2
3.6 gallon (13.5 L)	9.25 x 11.3 x 13.1 in (235 x 287 x 333 mm)	HDPE	70 mm	—	6	—	1	12840	4/2
5.3 gallon (20 L)	9.25 x 11.3 x 17.5 in (235 x 287 x 445 mm)							12841	5/2

3.6 gallon (13.5 L)	9.25 x 11.3 x 13.1 in (235 x 287 x 333 mm)	HDPE	70 mm	—	4	3	—	12842	4/2
5.3 gallon (20 L)	9.25 x 11.3 x 17.5 in (235 x 287 x 445 mm)							12843	5/2
3.6 gallon (13.5 L)	9.25 x 11.3 x 13.1 in (235 x 287 x 333 mm)	HDPE	70 mm	—	4	4	—	12844	4/2
5.3 gallon (20 L)	9.25 x 11.3 x 17.5 in (235 x 287 x 445 mm)							12845	5/2
3.6 gallon (13.5 L)	9.25 x 11.3 x 13.1 in (235 x 287 x 333 mm)	HDPE	70 mm	—	4	3	1	12846	4/2
5.3 gallon (20 L)	9.25 x 11.3 x 17.5 in (235 x 287 x 445 mm)							12847	5/2

\*Note: Height includes filter oriented in horizontal position.

UN/DOT Approved Carboys

Capacity	Nominal Dimensions W x L x H	Material Type	Cap Size	Model No	Ship wt lb/kg
3.6 gallon (13.5 L)	9.25 x 11 x 11 in (235 x 279 x 279 mm)	High-density polyethylene	70 mm	12950	3/1
5.3 gallon (20 L)	9 x 11 x 15.5 in (229 x 279 x 394 mm)			12951	4/2



Accessories

Description	Model No	Ship wt lb/kg
Replacement carbon exhaust filter, package of two. Filter size: 1.9 OD x 7"	12849	2/1
Carbon exhaust filter indicator, package of two	12952	1/1
Replacement fittings, six 1/8" fittings and six 1/4" plugs, one pack	12851	

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SAFETY CANS & CONTAINERS



Ergonomic, space-saving rectangular design with molded hand grips at the base and large top handles make it easy to carry, lift, and pour.

High-Density Polyethylene (HDPE) Carboys

Excellent chemical compatibility for storing and dispensing solvents, buffers, reagents and powders

- Interchangeable caps and adapters provide top connection flexibility
- Rectangular ergonomic design saves valuable bench space
- Material, volume, and metric graduation marks imprinted on carboys
- Constructed from USP Class VI, FDA grade materials

The ergonomic design features large handles and base with molded hand-grip, allowing you to easily lift and pour. Made of highly durable Class VI, FDA grade HDPE resin, they offer excellent chemical resistance and are ideal for various solvents, buffers, reagents, powders, and solids. Available in 83-mm and 120-mm sizes, the included polypropylene cap with platinum-cured silicone gasket provides a tight spill-proof seal. The larger 120-mm neck size allows you to reach into the carboy for quick and easy cleaning. Choose an amber carboy for light-sensitive applications.

Carboys are compatible with interchangeable adapters, and on select models, spigot fittings. Leakproof polypropylene spigots include large spigot lever with two flow rates, continuous or manual, and features an internal luer taper that fits a male barb adapter. See page 24 to select from a wide range of adapters with molded or quick connect hose barb configurations for top connection flexibility, and additional spigots and versatile barbs for alternate bottom hosing connection options.



Exclusive cap designed with molded 4-point grip assists make it easy to open and tightly close for a leakproof seal.

1 Year  
Limited Warranty

High-Density Polyethylene Carboys

Capacity	Nominal Dimensions* W x L x H	Cap Size	Model No	Ship wt lb/kg
High-Density Polyethylene Carboys				
0.7 gallon (2.5 L)	5 x 6.7 x 12 in (127 x 170 x 305 mm)	83 mm	12907	2/1
1.3 gallon (5 L)	5.2 x 8.7 x 16.3 in (132 x 221 x 414 mm)		12908	3/1
2.6 gallon (10 L)	6.4 x 10.75 x 19.5 in (163 x 273 x 495 mm)		12909	4/2
5.3 gallon (20 L)	8.1 x 13.6 x 24.2 in (206 x 345 x 615 mm)		12910	7/3
	8.1 x 13.6 x 25.2 in (206 x 345 x 640 mm)		12911	7/3
10.6 gallon (40 L)	9.8 x 17.1 x 30.4 in (249 x 434 x 772 mm)	120 mm	12912	11/5
19.8 gallon (75 L)	14.4 x 18.7 x 30 in (366 x 475 x 762 mm)		12913	18/8





High-Density Polyethylene Carboys with Spigots				
1.3 gallon (5 L)	5.2 x 12 x 16.3 in (132 x 305 x 414 mm)	83 mm	12914	3/1
2.6 gallon (10 L)	6.4 x 13 x 19.5 in (163 x 330 x 495 mm)		12915	4/2
5.3 gallon (20 L)	8.1 x 15.25 x 24.2 in (206 x 387 x 615 mm)	120 mm	12916	7/3
	8.1 x 15.25 x 25.2 in (206 x 387 x 640 mm)		12917	7/3
10.6 gallon (40 L)	9.8 x 18.75 x 30.4 in (249 x 476 x 772 mm)		12918	11/5
High-Density Polyethylene Carboys, Amber				
0.7 gallon (2.5 L)	5 x 6.7 x 12 in (127 x 170 x 305 mm)	83 mm	12919	2/1
1.3 gallon (5 L)	5.2 x 8.7 x 16.3 in (132 x 221 x 414 mm)		12920	3/1
2.6 gallon (10 L)	6.4 x 10.75 x 24.2 in (163 x 273 x 615 mm)	120 mm	12921	4/2
5.3 gallon (20 L)	8.1 x 13.6 x 25.2 in (206 x 345 x 640 mm)		12922	7/3
10.6 gallon (40 L)	9.8 x 17.1 x 30.4 in (249 x 434 x 772 mm)		12923	11/5
High-Density Polyethylene Carboys, Amber, with Spigots				
1.3 gallon (5 L)	5.2 x 12 x 16.3 in (132 x 305 x 414 mm)	83 mm	12924	3/1
2.6 gallon (10 L)	6.4 x 13 x 19.5 in (163 x 330 x 495 mm)		12925	4/2
5.3 gallon (20 L)	8.1 x 15.25 x 25.2 in (206 x 387 x 640 mm)	120 mm	12926	7/3
10.6 gallon (40 L)	9.8 x 18.75 x 30.4 in (249 x 476 x 772 mm)		12927	11/5

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SAFETY CANS & CONTAINERS

Polypropylene Carboys

Polypropylene construction allows for proper sterilization between uses

- Constructed from autoclavable USP Class VI, FDA grade materials
- Interchangeable caps and adapters provide top connection flexibility
- Rectangular ergonomic design saves valuable bench space

These polypropylene (PP) carboys feature large handles and base with molded grip allowing you to easily lift and pour. The material type and volume are printed on the outside of the carboy along with large, easy-to-read metric graduation marks that are certified to ±5% accuracy. Available in 83-mm and 120-mm sizes, the included PP cap with platinum-cured silicone gasket provides a tight spill-proof seal, and the larger 120-mm neck size allows you to reach into the carboy for quick and easy cleaning. Constructed from USP Class VI, FDA grade PP resin, the carboys provide good chemical compatibility when using with various reagents, buffers, and powders. For light sensitive applications and heat stability, choose the dark amber carboy. Sanitary neck options come without screw threads for easy cleaning. Polypropylene carboys can be autoclaved at 15 PSI and 250°F (121°C) for 20 minutes.

Carboys are compatible with interchangeable adapters, and on select models, spigot fittings. Leakproof polypropylene spigots include large spigot lever with two flow rates, continuous or manual, and features an internal luer taper that fits a male barb adapter. See page 24 to select from a wide range of adapters with molded or quick connect hose barb configurations for top connection flexibility, and additional spigots and versatile barbs for alternate bottom hosing connection options.



Made from a hard, opaque material, dark amber carboys offer good chemical resistance and protection from light.

Need a clear carboy for aqueous solutions?  
Visit our website and search on copolyester (PETG) carboys, available in four sizes.



1 Year  
Limited Warranty

Capacity	Nominal Dimensions* W x L x H	Cap Size	Model No	Ship wt lb/kg
Polypropylene Carboys				
0.7 gallon (2.5 L)	5 x 6.7 x 12 in (127 x 170 x 305 mm)	83 mm	12928	2/1
1.3 gallon (5 L)	5.2 x 8.7 x 16.3 in (132 x 221 x 414 mm)		12929	3/1
2.6 gallon (10 L)	6.4 x 10.75 x 19.5 in (163 x 273 x 495 mm)		12930	4/2
5.3 gallon (20 L)	8.1 x 13.6 x 24.2 in (206 x 345 x 615 mm)		12931	7/3
	8.1 x 13.6 x 25.2 in (206 x 345 x 640 mm)	120 mm	12932	7/3
10.6 gallon (40 L)	9.8 x 17.1 x 30.4 in (249 x 434 x 772 mm)		12933	11/5
19.8 gallon (75 L)	14.4 x 18.7 x 30 in (366 x 475 x 762 mm)		12934	18/8



12928



12929



Polypropylene Carboys with 3" Sanitary Neck				
2.6 gallon (10 L)	6.4 x 10.75 x 19.2 in (163 x 273 x 488 mm)	—	12935	4/2
5.3 gallon (20 L)	8.1 x 13.6 x 23.8 in (206 x 345 x 605 mm)		12936	7/3
10.6 gallon (40 L)	9.8 x 17.1 x 29 in (249 x 434 x 737 mm)		12937	11/5
Polypropylene Carboys with Spigots				
1.3 gallon (5 L)	5.2 x 12 x 16.3 in (132 x 305 x 414 mm)	83 mm	12938	3/1
2.6 gallon (10 L)	6.4 x 13 x 19.5 in (163 x 330 x 495 mm)		12939	4/2
5.3 gallon (20 L)	8.1 x 15.25 x 24.2 in (206 x 387 x 615 mm)	120 mm	12940	7/3
	8.1 x 15.25 x 25.2 in (206 x 387 x 640 mm)		12941	7/3
10.6 gallon (40 L)	9.8 x 18.75 x 30.4 in (249 x 476 x 772 mm)		12942	11/5
Polypropylene Carboys, Dark Amber				
1.3 gallon (5 L)	5.2 x 8.7 x 16.3 in (132 x 221 x 414 mm)	83 mm	12943	3/1
5.3 gallon (20 L)	8.1 x 13.6 x 25.2 in (206 x 345 x 640 mm)	120 mm	12945	7/3

\*Note: Length includes spigot, where applicable.

12930



12938

12932



12945



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SAFETY CANS & CONTAINERS



Twenty-four popular models meet a variety of applications.

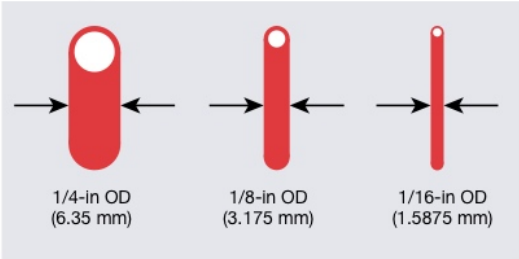
Interchangeable Carboy Caps and Adapters

- Quick-connect cap adapters for quick and easy port changes
- Two-piece open cap and adapter design prevents tube twisting when opening
- Polypropylene (PP) caps and adapters are autoclavable

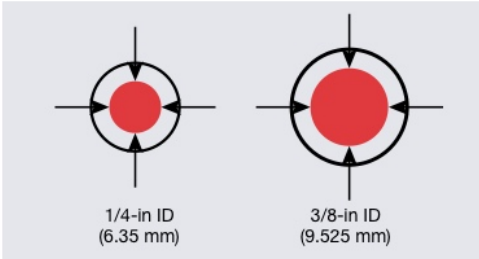
Leakproof, PP caps and interchangeable cap adapters provide a wide range of top connection configurations. Each cap is compatible with several adapters allowing you to change and configure carboy top connections based on your application requirements. Designed to be stackable, the caps feature large grips allowing you to easily open and tighten, and include platinum-cured silicone gaskets. Adapters are available with quick connect hose barb options including two, three, or four port combinations, as well as molded-in hose barb options, offering additional top connection flexibility. See pages 22 and 23 for compatible carboys. Polypropylene caps and adapters can be autoclaved at 15 PSI and 250°F (121°C) for 20 minutes.

Visit our website for nearly 40 other cap/adapter and spigot options.

Tubing Sizing Guide for Ports



For measuring OD for ports, place the tube next to each of the images to determine the correct size of the tubing.



For measuring ID for hose barb ports, place end of tube flat on image below and determine if the dark area is contained by the tubing.



Also use sizing guide for VaporTrap™ waste systems, pages 20-21.

1 Year  
Limited Warranty

Description	Nominal Dimensions OD X H	Cap Size	Hose Barb Size	No of Quick Disconnects	Model No	Ship wt lb/kg
Caps						
Closed cap, package of two	5 x 2.6 in (127 x 66 mm)	83 mm	—	—	12857	1/1
Open cap with closed adapter, package of two	5 x 3 in (127 x 76 mm)		—		12858	
Open cap with two hose barbs and vent	5 x 4.6 in (127 x 117 mm)		1/4 in (6.4 mm)		12859	
Open cap with two hose barbs and vent			1/2 in (12.7 mm)		12860	
Closed cap, package of two	7.5 x 4 in (191 x 102 mm)	120 mm	—		12861	2/1
Open cap with closed adapter, package of two	7.5 x 4.4 in (191 x 112 mm)				—	

**Adapters**

Closed adapter, clear top	3.2 x 1 in (81 x 25 mm)	83 mm	—	—	12868	1/1	
Adapter with two hose barbs	3.2 x 2.8 in (81 x 71 mm)		1/4 in (6.4 mm)	2	12869		
Adapter with two hose barbs			3/8 in (9.5 mm)		12870		
Adapter with three hose barbs			1/4 in (6.4 mm)	3	12871		
Adapter with three hose barbs			3/8 in (9.5 mm)		12872		
Adapter with four hose barbs			1/4 in (6.4 mm)	4	12873		
Adapter with four hose barbs			3/8 in (9.5 mm)		12874		
Adapter with two hose barbs and vent			3.2 x 1.9 in (81 x 48 mm)	1/4 in (6.4 mm)	—		12875
Adapter with two hose barbs and vent				1/2 in (12.7 mm)			12876
Closed adapter	4.7 x 2.1 in (119 x 53 mm)	120 mm	—	—	12877		
Adapter with two hose barbs	4.7 x 3.7 in (119 x 94 mm)		1/4 in (6.4 mm)	2	12878		
Adapter with two hose barbs			3/8 in (9.5 mm)		12879		
Adapter with three hose barbs			1/4 in (6.4 mm)	3	12880		
Adapter with three hose barbs			3/8 in (9.5 mm)		12881		
Adapter with four hose barbs			1/4 in (6.4 mm)	4	12882		
Adapter with four hose barbs			3/8 in (9.5 mm)		12883		
Adapter, converts 83 mm adapters to 120 mm	4.7 x 1.7 in (120 x 43 mm)		—	—	12884		



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## SPILL CONTROL & ENVIRONMENTAL

25

### Benefits of Using an Aerosolv® Aerosol Can Recycling System

Companies can pay hefty fines for the improper handling of hazardous waste. Aerosol cans are no exception. Considered hazardous waste while still under pressure, it is illegal for businesses to dispose of spent aerosol cans in the trash.

With Aerosolv, you can safely puncture the aerosol can, relieve the can's pressure, filter VOCs, and collect any residual liquids. Punctured, discharged cans do not meet the definition of hazardous waste per EPA 40CFR 261.23(a)(6), and thus can be treated as recyclable scrap steel.

Over 3 billion aerosol cans are produced annually in the U.S. alone.\* Turning aerosol cans from hazardous waste to recyclable steel not only avoids costly fines, it helps lower the impact on our environment and saves money. Using Aerosolv:

- Saves companies thousands of dollars on hazardous waste disposal costs
- Minimizes hazardous waste streams and saves on landfill space for a cleaner environment
- Recycled steel turns into recycling profits

\*Source: Consumer Specialty Products Association (CSPA)

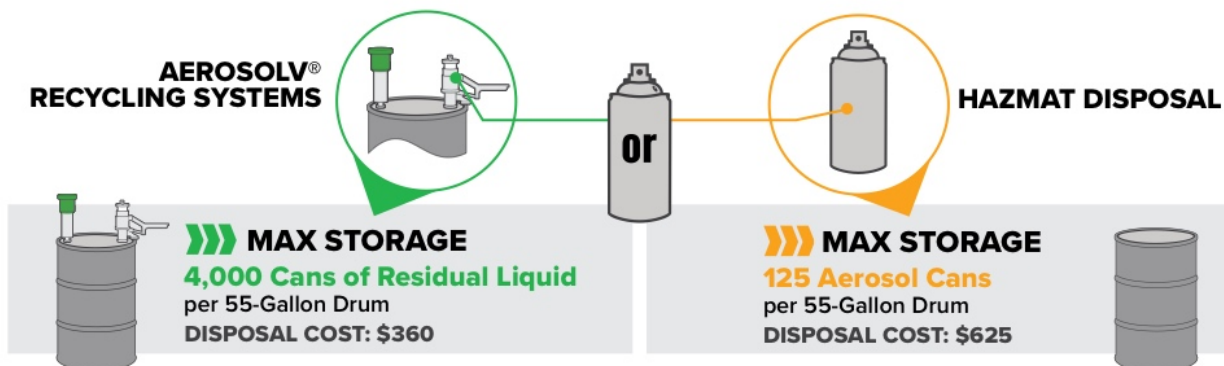
### Did you know?



Approximately 4 aerosol cans equal one pound of steel.

Every pound of steel recycled saves 5,450 BTUs of energy ... enough to light a 15-watt compact fluorescent light (CFL) bulb for over 100 hours.†

†Source: PA Dept. of Environmental Protection



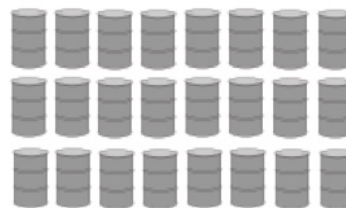
### WHAT IS THE IMPACT AND COST OF 4,000 CANS?

- Disposal of one 55-Gallon Drum
- RCRA Empty Compliance
- Revenue Generating Scrap Metal



Puncture Point:  
Proof the can is  
now recyclable

- Disposal of thirty-two 55-Gallon Drums




**COST: \$360**  
Note: Disposal costs are estimations

  
**COST: \$20,000**

**Innovative, proven recycling—four systems to suit your need and budget.**



Aerosolv®



Aerosolv® Super System



Aerosolv® Dual-Compliant



Aerosolv® 360

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## SPILL CONTROL & ENVIRONMENTAL



For facilities using small to medium amounts of aerosol cans, Aerosolv Plus offers a legal, affordable way to minimize the high expense of hazardous waste disposal.



Smooth side puncture leaves no jagged edges.



### Aerosolv® Plus System

**Reduce hazardous waste disposal costs and help the environment**

- Eliminate an entire hazardous waste stream—save thousands of dollars on disposal costs
- Safety shield reduces spray back and protects users
- High-efficiency combination carbon filter captures VOCs and extends filter life by 33%, reducing change outs to save time and money

Avoid fines and meet RCRA regulations by safely transforming spent aerosol cans from solid hazardous waste to a non-hazardous, recyclable material. Constructed from sturdy, long-lasting aluminum, and moving parts of 308 stainless steel, the puncturing unit accepts industry standard sized cans with a maximum height of 8.5-in (215-mm). Screw directly into a standard 2-in (51-mm) bung on a 30- (110-liter) or 55-gallon (200-liter) drum. A simple push of the handle activates a non-sparking pin to puncture the can. The residual liquids flow into the collection drum. One 55-gallon (200-liter) drums holds the drained contents of approximately 4,000 spent aerosol cans. Durable, poly safety shield on slide bar minimizes the potential for spray back should operator error occur during can insertion.

Prevent potentially harmful VOCs from being released into the air with the two-stage high-efficiency combination filter. Filter base screws into the ¾-in (19-mm) bung and retains any escaping propellants. Replaceable, proprietary polymer coalescer in filter base captures the residual liquid in the gas before it reaches the activated carbon, helping extend the life of the filter. The top activated carbon filter cartridge features adsorption indicator which reacts to the adsorption of VOCs to indicate when the filter cartridge is ready for replacement. System also includes safety goggles, as well an anti-static ground wire with alligator clip to prevent static buildup by properly grounding the device.

Punctured, discharged-cans do not meet the definition of hazardous waste per EPA 40 CFR 261.23(a)(6), and thus can be treated as recyclable scrap metal. EPA compliant. Meet OSHA definition of closed container by leaving the last drained aerosol can clamped into the puncturing unit.

Add optional can counter model no. 28225 to help maintain ISO 14001 Environmental Management System (EMS) guidelines and eliminate guesswork for maintenance and filter replacement milestones.





Combination filter captures dangerous VOCs. Ultra-efficient, proprietary polymer coalescer in base of filter extends life by 33%—less change outs.



Insert inverted can into sleeve, rotate safety shield, and twist knob for secure closure to reduce spray back.



RCRA-compliant empty aerosol cans offer recycling profits and lower the impact on our environment.

Description	Shipping Dimensions W x D x H	Approv/Lstg Regulation	Model No	Ship wt lb/kg
Aerosolv® Plus System	18 x 18 x 9 in (458 x 458 x 229 mm)	E	28170	10/5
Filter replacement kit: carbon cartridge and coalescer (2 pack)	10 x 6 x 6 in (254 x 152 x 152 mm)	—	28102	2/1
Counter accessory for Aerosolv 28170 or 28202	3 x 3 x 3 in (76 x 76 x 76 mm)	—	28225	2/1



See page 2 for Approval and Compliance Key

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## SPILL CONTROL & ENVIRONMENTAL

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### Aerosolv® 360 Aerosol Can Recycling System

**Safe, easy way to transform aerosol cans into recyclable steel—minimize waste and reduce disposal costs**

- *Enclosed system—dual seal chamber eliminates the potential for content spray back, prevents VOC release and reduces gunk build up*
- *High-efficiency combination coalescing carbon filter captures odors, and prevents potentially harmful VOCs from being released into the air—extended filter life reduces change outs to save time and money*
- *Alignment cone and two-way pressure controlled, non-sparking vent pin offers the most efficient point of puncture—greatly reduces cleanup and minimizes maintenance*
- *Intuitive, ergonomic activation wheel design is easy to use, and with no lever handle extending over the side of the drum, removes the chance for snagged clothing or tipped drums*

Ideal for high volume applications, the Aerosolv 360 system safely converts spent aerosol cans from solid hazardous waste to a non-hazardous, recyclable material. Threading directly into a standard 2-in (51-mm) bung on a 30- (110-liter) or 55-gallon (200-liter) drum, the housing accommodates a wide variety of the most common sized cans, including domed mini, standard, and jumbo. Sleek design with no protruding lever handle—mechanical activation wheel with rack and pinion gear increases torque making can processing easy and fast. Integrated lock out system prevents unauthorized use and tamper-proof retention plate secures the unit to the drum. Non-sparking puncture pin pierces the can and directs the liquid flow straight into the drum for a quick, controlled evacuation. Special non-stick coating on housing minimizes static transfer to the unit while at the same time reduces clean up.

Attach the two-stage high-efficiency combination filter to the ¾-in (19-mm) bung to capture VOCs from any remaining propellants. Replaceable, proprietary polymer coalescer in filter base captures the residual liquid in the gas before it reaches the activated carbon, helping extend the life of the filter. The top activated carbon filter cartridge features adsorption indicator which reacts to the adsorption of VOCs to indicate when the filter cartridge is ready for replacement. Built-in counter tracks system use for maintenance. System also includes safety goggles and an anti-static ground wire with alligator clip.

One 55-gallon (200-liter) drum holds approximately 4,000 spent aerosol cans. Punctured, discharged, cans do not meet the definition of hazardous waste per EPA 40 CFR 261.23(a)(6), and thus can be treated as recyclable scrap metal. EPA compliant.



Fully closed recycling system punctures and drains aerosol cans with no content spray back—transforms cans from a hazardous to non-hazardous state.



Puncture point at the dome top offers fast evacuation and less mess.





Fully enclosed system eliminates spray back—dual seal design seals at point of puncture and housing cap.



Ultra-efficient coalescer extends filter life by 33%—less change outs, saving time and money.



Includes grounding wire, goggles, and handy dipstick for measuring drum contents.

Description	Shipping Dimensions W x D x H	Approv/Lstg Regulation	Model No	Ship wt lb/kg
Aerosolv® 360 System	18 x 18 x 9 in (458 x 458 x 229 mm)	E	28100	12/5
Filter replacement kit: carbon cartridge and coalescer (2 pack)	10 x 6 x 6 in (254 x 152 x 152 mm)	—	28102	2/1



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