<table>
<thead>
<tr>
<th>Section</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction</td>
<td>2</td>
</tr>
<tr>
<td>AES MODEL SELECTOR</td>
<td>3</td>
</tr>
<tr>
<td>Standard Tempering Specifications: Indoor and Outdoor</td>
<td>4-5</td>
</tr>
<tr>
<td>Acorn Engineered Systems with Tankless Water Heaters</td>
<td>7-9</td>
</tr>
<tr>
<td>Acorn Engineered Systems Tankless Water Heaters</td>
<td>10-16</td>
</tr>
<tr>
<td>Acorn Engineered Systems Standard Shower Selections</td>
<td>17-33</td>
</tr>
<tr>
<td>Model S1340</td>
<td>18-19</td>
</tr>
<tr>
<td>Model S2340-AS</td>
<td>20-21</td>
</tr>
<tr>
<td>Model S1360-HT</td>
<td>22-23</td>
</tr>
<tr>
<td>Model S0440</td>
<td>24-25</td>
</tr>
<tr>
<td>Model S0340</td>
<td>26-27</td>
</tr>
<tr>
<td>Model S0340-AS</td>
<td>28-29</td>
</tr>
<tr>
<td>Model S0P50 Eye/Face Washes</td>
<td>30-31</td>
</tr>
<tr>
<td>Model S0000-AL2</td>
<td>32-33</td>
</tr>
</tbody>
</table>
Safety Showers and Eye/Face Washes are your first line of defense when a chemical accident occurs, and having properly working equipment is essential. With every purchase of this type of equipment you will receive some sort of assurance that the equipment will meet the ANSI/ISEA Z358.1 standard.

Unfortunately, there are several other factors to consider to ensure the equipment will work properly in a time of need. These include location, water pressure, temperature, flow rates, and duration. While it is hard for any manufacturer of safety showers to determine the proper location, the team at Acorn Engineered Systems is available to guide our clients through the entire requirements. Our specialty is in the development of tempered water delivery systems, with a focus on custom design based on specific needs. The water delivery systems can include booster and recirculation pumps, tankless water heaters, or hot water tanks with mixing valve systems. Regardless of the specific issues or environmental challenges, the Acorn Engineered Systems team will work directly with you to develop a solution.
AES MODEL SELECTOR

The model selector below was developed to allow our clients to determine their model in a simple format without knowing several base model numbers. This selector can be used for both indoor and outdoor configurations. There are several tank options and tankless heater options to choose from. Please contact Acorn Engineered Systems should you have questions on the choices below. All of the STS models can be modified and configured to your specific needs. Furthermore, all indoor skids and outdoor booths are manufactured out of stainless steel for longevity.

* Other voltages might affect tankless heater options
** Additional details required for pump selection
***Additional details required for pump selection
STANDARD TEMPERING SPECIFICATIONS: INDOOR AND OUTDOOR

**Indoor Skid:** Stainless Steel Construction with full length forklift slots.

**Outdoor Booth:** Stainless Steel Construction with full length forklift slots. Double swing doors are provided for easy user access. Doors include a clear window to see if a person is inside the booth. Installation of labeling and graphics designate the enclosure as a safety shower.

With the enclosure is a separate mechanical access door to the heating and controls equipment. Latching of this door is provided to prevent unwanted access to the system.

A stainless steel partition is utilized to separate the mechanical side from the shower side.

**Booth Insulation:** Polyisocyanurate Foam Sheathing Continuous Insulation. See attached data sheet for additional details.

**Lighting:** The interior space is illuminated with white LED lighting. The powerful and durable LED light is ideal for industrial applications and a durable light solution is needed. The lamp housing is waterproof, constructed of corrosion and chemical-resistant GE Lexan polycarbonate with Pyrex globe, USCG accepted, and NEMA 4X compliant and suitable for hose-down areas. This LED lamp has a 50,000-hour operational life and is powered by 120 VAC.

**Alarm System:** Acorn Model S0000-AL2MOD is an electric alarm 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 pole double throw contacts which allow for remote monitoring. Dry contacts provided for remote connections. Weatherproof light and horn rated for a CL1 DIV2 location. Internal to the shower enclosure is an alarm silencing button that can be utilized during testing.
Drench Systems: When specified, includes a shower, eye/face wash supplied with a strainer. The shower and eye wash shall be protected with freeze and scald valves. All stay open valves are chrome-plated brass.

Showerhead: Stainless steel, 7-3/8” diameter showerhead with a 20 gpm flow regulator.

Shower Valve: 1” NPT rough chrome plated brass stay-open ball valve. Unit is provided with a stainless steel actuator arm and a 29” stainless steel pull rod.

Eye/Face Wash Bowl: Stainless steel, 11-3/4” diameter bowl.

Spray Head Assembly: ABS yellow plastic eye/face wash heads with integral flip dust covers, internal flow controls and filters to remove debris from the water. An antimicrobial agent is molded into the ABS material, providing integrated protection.

Eye/Face Wash Valve: 1/2” NPT chrome plated brass stay-open ball valve with a stainless-steel push handle and a 50 mesh inline strainer.

Drench Hose: Auxiliary eye/face and body drench hose with an ABS plastic eye/face wash spray head, self-closing squeeze lever valve, an eight-foot reinforced PVC hose and pipe hook. An anti-microbial agent is molded into the ABS material, providing integrated protection.

Freeze and scald protection: Acorn safety models S0000-FPV and S0000-SPV freeze and scald protection valves provided.

FPV is a freeze protection valve that is temperature actuated and opens automatically when the water temperature drops below 35°F, thus allowing the water to flow and prevent the emergency equipment from freezing.

SPV is a scald protection valve that is temperature actuated and opens automatically when the water temperature rises above 105°F, thus allowing the water to flow and prevent the emergency equipment from discharging excessively hot or scalding water.

Space Heater: For overall system freeze protection, a 480V three phase wall convector is provided. The convection heater, rated at 2500 watts, is designed for heating spaces and in industrial areas. The heater is certified by CSA and is fitted with an adjustable thermostat.


Drain Requirements: Please specify drain location. Right or Left side, or straight down
ACORN ENGINEERED SYSTEMS
WITH TANKLESS WATER HEATERS
Overview: This convenient outdoor shower booth is constructed of durable stainless steel and includes full length forklift slots for simple moving/installation. Double swing doors allow easy access, while clear windows make it easy to see inside. A separate mechanical access door provides access to the heating and controls equipment, while a partition separates mechanics from the shower.

Tankless Water Heater: Chronomite model ERB-320L/480V_3P NEMA 4X tankless heater included. Unit provides unlimited warm water and is provided in a 115,000-watt configuration. At 115,000 watts, the heater will increase the water temperature 34°F AT 23GPM and is factory set to provide 84°F outlet.

Alarm System: Acorn Model S0000-AL2MOD is an electric alarm 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 pole double throw contacts which allow for remote monitoring. Dry contacts provided for remote connections.

Area Light: The shower area is illuminated with white LED lighting. The powerful and durable LED light is ideal for industrial applications.

Eye/Face Wash Bowl: Stainless steel, 11-3/4” diameter bowl. Spray Head Assembly: ABS yellow plastic eye/face wash heads with integral flip dust covers, internal flow controls and filters to remove debris from the water. An anti-microbial agent is molded into the ABS material, providing integrated protection.

Eye/Face Wash Valve: 1/2” NPT stainless steel stay-open ball valve with a stainless steel push handle and a 50 mesh inline strainer.

Piping & Mounting: Schedule 40 stainless steel piping and a 4-5/8” diameter stainless steel floor flange.

Universal Sign: ANSI compliant, vertical identification sign.

Weekly Test Tag: A waterproof test card to record the date and inspector’s name for weekly functional testing of the unit.

Electrical System: Power requirements of the skid is 480 VAC three phase supply, 150 amp minimum service. All electrical components are to be listed or labeled by a Nationally Recognized Testing Laboratory (NRTL) as listed on the OSHA website. All electrical enclosures are to be NEMA 4X type (where available)
### Tank Options
- 0 - No Tank
- 1 - 119G Non ASME Tank
- 2 - 120G ASME Tank
- 3 - 200G ASME Tank
- 4 - 310G ASME Tank

### Drenching Options
- 0 - None
- 1 - Included

### Classification
- 0 - General Purpose
- 1 - NEMA 4
- 2 - NEMA 4X
- 3 - CL 1 DIV 2

### Recirculation Pump Options
- 0 - None
- 1 - Required***

### Location
- 1 - Indoor
- 2 - Outdoor

### Tankless Options
- 0 - None
- 1 - 77 KW
- 2 - 115 KW
- 3 - 154 KW

### Voltages
- 1 - 480V 3 Phase
- 2 - 600V 3 Phase
- 3 - Other *(Specify)

### Booster Pump Options
- 0 - None
- 1 - Required**

---

**ACORN ENGINEERED SYSTEMS MODEL STS-2-0-2-1-1-2-0-0**

**MODEL NO. STS-20211200**
Please visit www.chronomite.com for the full line of tankless water heaters.
CHRONOMITE - BOXER™ - 3 PHASE - LOW ACTIVATION

TYPICAL APPLICATIONS:
Eye/Face Drench Shower, Commercial, Industrial

PRODUCT FEATURES

- Uses a digital microprocessor for temperature control
  Ultra quick response times for temperature variations - 120 times per second. Microprocessor use is the most energy efficient means of heating water
- Unlimited hot water
- Saves water and energy - 99% energy efficient
- Rugged stainless steel housing (Standard)
- Space saving compact size: 26-3/4" x 21" x 7-1/2”
- Meets applicable building codes including UL, UPC.
- Environmentally friendly
- Made in the U.S.A.
- User adjustable temperature 70°F - 125°F (standard)
- Other Factory preset temperature available select single temperature between 90°F - 160°F

Note:
For EFD units order option (F) with 84°F tepid water to meet ANSI Z358.1

HEATER PRODUCT FEATURES

Chronomite - Boxer™ - 3 Phase - Low Activation - L9 models are manufactured to provide reliable tepid water with flow rates from 2.6 gpm to 30.0 gpm. There is no pressure and temperature relief valve needed (unless required by code), saving time and money on installation.

Housing is fabricated from rugged stainless steel.
Element assembly is fabricated from Celcon plastic.
Heating Coils are Nichrome.
For the model being selected, please place the corresponding amps, volts and watts values in the Guide Specifications above.

GUIDE SPECIFICATION

Tankless Water Heater shall be a Chronomite Laboratories Model

ERB - _____ L / _______ VOLTS - 3P

with ___________ AMPS/ PHASE

to heat to a preset temperature of:

- 84°F
- 104°F
- 110°F
- 120°F
- 125°F

Options:

- Factory Preset (F)
- De-ionized (Di)
- Auxiliary Contact (A)
- Nema 4 Cabinet (N4)
- Nema 4X Cabinet (N4X)

Unit shall be provided with Celcon waterways, and Nichrome heating coils. Temperature controlled by microprocessor.

OPTIONS

- Nema 4 Cabinet (N4) (30” x 24” x 10.75”)
- Nema 4X Cabinet (N4X) (30” x 24” x 10.75”)

Complies with Standards for:
- UL STD 499
- CAN/CSA STD C22.2 NO. 68

CHRONOMITE LABORATORIES, INC.
17451 Hurley St. :: City of Industry, CA 91744
Phone 800-447-4962 :: 626-937-4270
Fax 626-937-4279 :: www.chronomite.com

B-3P-LA3 02/06/18
**CHRONOMITE - BOXER™ - 3 PHASE - LOW ACTIVATION**

**TECHNICAL DIMENSIONS**

**CHRONOMITE - BOXER™ - 3 PHASE - LOW ACTIVATION**

Dimensions: 21" (H) x 26-3/4" x 7-1/2"

Weight: 76 LBS

Materials: Rugged Stainless Steel Housing

Celcon Plastic Element Assembly

with Nichrome Coils

Housing Color: White

Minimum Operating Flow Rate: 2.6 GPM

Minimum Operating Pressure: 25 PSI

Maximum Operating Pressure: 80 PSI

Maximum Pressure: 150 PSI

Maximum Water Temperature: 160°F

Maximum Ambient Operating Temperature: 140°F

Listing: UL, IAPMO, UPC, ADA, ETL

**GENERAL NOTES:**

- The microprocessor adjusts the heater's power for variations in flow rates, inlet water temperature and pressure to assure the selected factory preset water temperature.
- 240V models when operated at 220V will have approximately a 15% wattage decrease.

**INSTALLATION DIAGRAM**

*Shown Installed with Eye/Face Drench Shower*

Chromomite Laboratories assumes no responsibility for use of void or suspended data. © Copyright Chromomite Laboratories, Inc. Acorn Family of Companies, City of Industry, CA Please visit www.chronomite.com for most current specifications.
ERB SERIES - BOXER™ - NEMA 4 & 4X - 3 PHASE

TYPICAL APPLICATIONS:
Eye Wash/Face Wash Stations, Safety Showers
Commercial, Industrial, Tank Heating

CABINET PRODUCT FEATURES
- Unit is fabricated of 16 gage material with a continuous weld seam ground to a smooth finish
  • N4 - ANSI 61 Gray Painted Steel
  • N4X - 304 Stainless Steel
- Door is fabricated of 14 gage material and contains high-torque thread-less studs and fasteners with quarter-turn slotted latches
- Removable door with hidden hinges for clean, aesthetic appearance
- Unit is sealed with seamless foam-in-place gasket
- Unit provides maximum body opening with minimum width body flanges
- Mounting holes in back of body for direct mounting
- Bonding provision on door; grounding stud on body
- Furnished hardware kit consists of panel-mounting nuts, panel grounding hardware and sealing washers for wall-mounting holes
- UL 508A listed; Type 3R, 4, 4X, 12; File No. E61997
- cUL Listed per CSA C22.2 No 94; Type 3R, 4, 4X, 12; File No. E61997
- NEMA/EEMAC Type 3R, 4, 4X, 12, 13
- CSA File No. 42186; Type 4, 4X, 12
- VDE IP66

HEATER PRODUCT FEATURES
ERB Series - Boxer™ - 3 Phase - NEMA 4 & 4X models are manufactured to provide reliable tepid or hot water with flow rates ranging from 2.6 GPM to 30.0 GPM. There is no pressure and temperature relief valve needed (unless required by code), saving time and money on installation.
Housing is fabricated from rugged stainless steel.
Element assembly is fabricated from Celcon plastic.
Heating Coils are Nichrome.

GUIDE SPECIFICATION
Tankless Water Heater shall be a Chronomite Laboratories Model that is referenced within the submittal sheet column located on table below.

<table>
<thead>
<tr>
<th>SUBMITTAL SHEET</th>
<th>ACTIVATIONS</th>
<th>FLOW RATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>B-3P-LA3</td>
<td>LOW</td>
<td>L 2.6 GPM to 30.0 GPM</td>
</tr>
<tr>
<td>B-3P-SA3</td>
<td>STANDARD</td>
<td>S 6.0 GPM to 20.0 GPM</td>
</tr>
<tr>
<td>B-3P-HA3</td>
<td>HIGH</td>
<td>H 9.0 GPM to 30.0 GPM</td>
</tr>
</tbody>
</table>

CABINET OPTIONS
- N4 Gray Finish
- N4X Stainless Steel Finish

For the model being selected, please refer to the guide specification submittal sheet located in the respective submittal sheets

APPLICABLE MODELS

<table>
<thead>
<tr>
<th>ERB-360(____)208_3P</th>
<th>ERB-270(____)380_3P</th>
<th>ERB-270(____)415_3P</th>
<th>ERB-240(____)480_3P</th>
<th>ERB-192(____)600_3P</th>
</tr>
</thead>
<tbody>
<tr>
<td>ERB-360(____)240_3P</td>
<td>ERB-360(____)380_3P</td>
<td>ERB-360(____)415_3P</td>
<td>ERB-320(____)480_3P</td>
<td>ERB-256(____)600_3P</td>
</tr>
<tr>
<td>ERB-180(____)380_3P</td>
<td>ERB-180(____)415_3P</td>
<td>ERB-160(____)480_3P</td>
<td>ERB-128(____)600_3P</td>
<td></td>
</tr>
</tbody>
</table>

(____) = Activation L, S, or H

CHRONOMITE LABORATORIES, INC. 17451 Hurley St. :: City of Industry, CA 91744 Phone 800-447-4962 :: 626-937-4270 Fax 626-937-4279 :: www.chronomite.com

B-N4-4X-3P 02/02/18
ERB SERIES - BOXER™ - NEMA 4 & 4X - 3 PHASE

TECHNICAL DIMENSIONS

1-1/4" NPT FEMALE THREAD INLET

1-1/4" NPT FEMALE THREAD OUTLET

Company_______________________________________________________________________________________________________
Contact_________________________________________________Title____________________________________________________
Signature______________________________________________________________________________________________________Date ____________________________

Chronomite Laboratories assumes no responsibility for use of void or suspended data. © Copyright Chronomite Laboratories, Inc. Acorn Family of Companies, City of Industry, CA Please visit www.chronomite.com for most current specifications.
ER SERIES - TRIPLETS™ - 3 PHASE - HIGH ACTIVATION

**TYPICAL APPLICATIONS:** Eye Wash, Eye/Face Wash

**PRODUCT FEATURES**

- Uses a digital microprocessor for temperature control
- Ultra quick response times for temperature variations - 120 times per second. Microprocessor use is the most energy efficient means of heating water
- Unlimited tepid water
- Saves water and energy - 99% energy efficient
- Rugged steel housing (Standard)
- Space saving compact size: 15-1/4” x 17-1/2” x 6-1/4” (387 X 445 X 159mm)
- Meets applicable building codes including UL, UPC.
- Environmentally friendly
- Made in the U.S.A.
- 84°F (29°C) Preset Temperature
- Flow friendly, minimum pressure drop (25.0 PSID at 8.0 GPM) (172 kPaD at 30.3 LPM)
- Tepid Water to Meet ANSI Z358.1
- No solenoids, loss of power = Cold Water Bypass

**GUIDE SPECIFICATION**

Tankless Water Heater shall be a Chronomite Laboratories Model

**ER - _____ H / _______ 3P**

with

<table>
<thead>
<tr>
<th>AMPS/PHASE</th>
<th>VOLTS</th>
<th>PHASE</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.8</td>
<td>32</td>
<td>8 GPM</td>
</tr>
<tr>
<td>2.8</td>
<td>34</td>
<td>8 GPM</td>
</tr>
<tr>
<td>2.8</td>
<td>41</td>
<td>8 GPM</td>
</tr>
<tr>
<td>2.8</td>
<td>43</td>
<td>8 GPM</td>
</tr>
<tr>
<td>2.8</td>
<td>49</td>
<td>8 GPM</td>
</tr>
<tr>
<td>2.8</td>
<td>55</td>
<td>8 GPM</td>
</tr>
<tr>
<td>2.8</td>
<td>74</td>
<td>8 GPM</td>
</tr>
<tr>
<td>2.8</td>
<td>98</td>
<td>8 GPM</td>
</tr>
</tbody>
</table>

Unit shall be provided with Celcon/ Delrin waterways, and Nichrome heating coils. Temperature controlled by microprocessor.

**OPTIONS**

- Satin Finish Stainless Steel Housing (SS)
- De-ionized (DI)
- Disconnect Switch, Rotary 80A - Lockable Nema 4X (2095-4)
- NEMA 4 Cabinet (N4)
- NEMA 4X Cabinet (N4X)

For the model being selected, please place the corresponding amps, volts and watts values in the Guide Specifications above.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>AMPS/PHASE</th>
<th>3 VOLTAGE</th>
<th>WATTS</th>
<th>ACTIVATION GPM</th>
<th>TEMP RISE @ 4 GPM</th>
<th>TEMP RISE @ 6 GPM</th>
<th>TEMP RISE @ 8 GPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>ER-90H208_3P</td>
<td>52</td>
<td>208</td>
<td>18700</td>
<td>2.8</td>
<td>32</td>
<td>21</td>
<td>16</td>
</tr>
<tr>
<td>ER-42H480_3P</td>
<td>24</td>
<td>480</td>
<td>20000</td>
<td>2.8</td>
<td>34</td>
<td>23</td>
<td>17</td>
</tr>
<tr>
<td>ER-90H240_3P</td>
<td>52</td>
<td>240</td>
<td>21600</td>
<td>2.8</td>
<td>37</td>
<td>25</td>
<td>18</td>
</tr>
<tr>
<td>ER-50H480_3P</td>
<td>29</td>
<td>480</td>
<td>24000</td>
<td>2.8</td>
<td>41</td>
<td>27</td>
<td>20</td>
</tr>
<tr>
<td>ER-120H208_3P</td>
<td>69</td>
<td>208</td>
<td>24960</td>
<td>2.8</td>
<td>43</td>
<td>28</td>
<td>21</td>
</tr>
<tr>
<td>ER-120H240_3P</td>
<td>69</td>
<td>240</td>
<td>28800</td>
<td>2.8</td>
<td>49</td>
<td>33</td>
<td>25</td>
</tr>
<tr>
<td>ER-60H480_3P</td>
<td>35</td>
<td>480</td>
<td>28800</td>
<td>2.8</td>
<td>49</td>
<td>33</td>
<td>25</td>
</tr>
<tr>
<td>ER-67H480_3P</td>
<td>38</td>
<td>480</td>
<td>32000</td>
<td>2.8</td>
<td>55</td>
<td>36</td>
<td>27</td>
</tr>
<tr>
<td>ER-90H480_3P</td>
<td>52</td>
<td>480</td>
<td>43200</td>
<td>2.8</td>
<td>74</td>
<td>49</td>
<td>37</td>
</tr>
<tr>
<td>ER-120H480_3P</td>
<td>69</td>
<td>480</td>
<td>57600</td>
<td>2.8</td>
<td>98</td>
<td>66</td>
<td>49</td>
</tr>
</tbody>
</table>

**CHRONOMITE LABORATORIES, INC.**

17451 Hurley St., City of Industry, CA 91744
Phone 800-447-4962 :: 626-937-4270
Fax 626-937-4279 :: www.chronomite.com

**Complies with Standards for:**

- UL
- Pb Free (RoHS) (CE Certified)
- CALGreen

**Member of:**

- U.S. Green Building Council
- Water Conserving Product
- Made in the USA

**Chronomite Instant-Temp® - High Capacity - 3 Phase - High Activation - H3 models are manufactured to provide reliable hot water with flow rates from 2.8 GPM to 8.0 GPM (10.6 LPM to 30.3 LPM). There is no pressure and temperature relief valve needed (unless required by code), saving time and money on installation. Housing is fabricated from rugged Jet-Kote gray steel. Element assembly is fabricated from Celcon plastic. Heating Coils are nichrome.
ER SERIES - TRIPLETS™ - NEMA 4 & 4X - 3 PHASE

**TYPICAL APPLICATIONS:** Commercial, Industrial, Showers, Mop Sinks, Service Sinks, Safety Face Wash and Multiple Lavatories

**CABINET PRODUCT FEATURES**

- Unit is fabricated of 16 gage material with a continuous weld seam ground to a smooth finish
  - N4 - ANSI 61 Gray Painted Steel
  - N4X - 304 Stainless Steel
- Door is fabricated of 14 gage material and contains high-torque thread-less studs and fasteners with quarter-turn slotted latches
- Removable door with hidden hinges for clean, aesthetic appearance
- Unit is sealed with seamless foam-in place gasket
- Unit provides maximum body opening with minimum width body flanges
- Mounting holes in back of body for direct mounting
- Bonding provision on door; grounding stud on body
- Furnished hardware kit consists of panel-mounting nuts, panel grounding hardware and sealing washers for wall-mounting holes
- UL 508A listed; Type 3R, 4, 4X, 12; File No. E61997
- cUL Listed per CSA C22.2 No 94; Type 3R, 4, 4X, 12; File No. E61997
- NEMA/EEMAC Type 3R, 4, 4X, 12, 13
- CSA File No. 42186: Type 4, 4X, 12
- VDE IP66

**HEATER PRODUCT FEATURES**

Chronomite ER Series - Triplets™ - 3 Phase - NEMA 4 & 4X models are manufactured to provide reliable tepid hot water with flow rates ranging from 0.35 GPM to 8.0 GPM. There is no pressure and temperature relief valve needed (unless required by code), saving time and money on installation.

**Housing** is fabricated from rugged stainless steel.

**Element assembly** is fabricated from Celcon plastic.

**Heating Coils** are Nichrome.

**GUIDE SPECIFICATION**

Tankless Water Heater shall be a Chronomite Laboratories Model that is referenced within the submittal sheet column located on table below.

<table>
<thead>
<tr>
<th>SUBMITTAL SHEET</th>
<th>ACTIVATIONS</th>
<th>FLOW RATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITHC-3P-LA3</td>
<td>LOW</td>
<td>L 0.35 GPM to 4.0 GPM</td>
</tr>
<tr>
<td>ITHC-3P-SA3</td>
<td>STANDARD</td>
<td>S 1.2 GPM to 6.0 GPM</td>
</tr>
<tr>
<td>ITHC-3P-HA3</td>
<td>HIGH</td>
<td>H 2.8 GPM to 8.0 GPM</td>
</tr>
</tbody>
</table>

**CABINET OPTIONS**

- N4 Grey Finish
- N4X Stainless Steel Finish

For the model being selected, please refer to the guide specification submittal sheet located in the respective submittal sheets.

**APPLICABLE MODELS**

<table>
<thead>
<tr>
<th>Model</th>
<th>ER-90( )208_3P</th>
<th>ER-90( )240_3P</th>
<th>ER-120( )208_3P</th>
<th>ER-60( )480_3P</th>
<th>ER90-480( )480_3P</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ER-42( )480_3P</td>
<td>ER-50( )480_3P</td>
<td>ER-120( )240_3P</td>
<td>ER-67( )480_3P</td>
<td></td>
</tr>
</tbody>
</table>

( ) = Activation L, S, or H

**Complies with Standards:**
- UL STD 499
- CAN/CSA STD 222.2 NO. 66
- CAL Green
- Wired Right

**CHRONOMITE LABORATORIES, INC.**
17451 Hurley St. :: City of Industry, CA 91744
Phone 800-447-4962 :: 626-937-4270
Fax 626-937-4279 :: www.chronomite.com

**MEMBER OF:**
- U.S. Green Building Council
- Water Conserving Product
- Made in the USA
STANDARD SHOWER SELECTIONS

Please visit www.acornsafety.com for the full product offering.
Model S1340
Combination Station, Stainless Steel Bowl
Eye/Face Wash, Plastic Showerhead

SPECIFICATIONS:
Model S1340 is a 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 plastic showerhead and a 1" stay-open ball valve with a pull rod.

STANDARD EQUIPMENT:
Showerhead: Yellow, ABS plastic 7-3/8" diameter showerhead with a 20 gpm flow regulator. An anti-microbial agent is molded into the ABS material, providing integrated protection.
Shower Valve: 1" NPT rough chrome plated brass stay-open ball valve. Unit is provided with a stainless steel actuator arm and a 29" stainless steel pull rod.
Eye/Face Wash Bowl: Stainless steel, 11-3/4" diameter bowl.
Spray Head Assembly: ABS yellow plastic eye/face wash heads with integral flip dust covers, internal flow controls and filters to remove debris from the water. An anti-microbial agent is molded into the ABS material, providing integrated protection.
Eye/Face Wash Valve: 1/2" NPT chrome plated brass stay-open ball valve with a stainless steel push handle and a 50 mesh inline strainer.
Water Supply: 1-1/4" NPT female threaded side or top inlet.
Piping & Mounting: Schedule 40 galvanized steel piping and a 9-1/8" diameter cast iron floor flange with a yellow powder coated finish.
Universal Sign: ANSI compliant, vertical identification sign.
Weekly Test Tag: A water proof test card to record the date and inspector's name for weekly functional testing of the unit.

OPTIONAL ACCESSORIES:
Additional costs may be incurred
- AL2 Electric alarm with flashing light and horn
- BF Barrier free, handicap accessible
- CS1 Stainless steel "clam shell" cover
- ET71-2-BVS-OTG Thermostatic mixing valve is ASSE Listed per the ASSE 1071 standard. The tepid output water complies with ANSI Z358.1 standard. Valve includes Ball Valve Shut-offs and Outlet Temperature Gauge
- FLW1 Flow switch, 125 / 250VAC, 5A, Double Pole Double Throw
- FPV Freeze protection valve (eye/face wash only)
- HFC Hand foot control
- MC1 Modesty curtain for horizontal showers
- MS1 MAP (magnetically actuated proximity) switch, for one (1) actuator
- MS2 MAP (magnetically actuated proximity) switches, for two (2) actuators
- SDC Stainless steel dust covers
- SPV Scald protection valve (eye/face wash only)
- SV1 Stainless steel 1" ball valve
- SV2 Stainless steel 1/2" ball valve
- "I" Auxiliary hand-held drench hose with a self-closing valve (Use model S1341)

Test rating conditions are compliant to ANSI Z358.1

Product carries the following certifications:
- ACORN SAFETY
  P.O. Box 3527
  City of Industry, CA
  91744 U.S.A.
  Phone 800-591-9372
  626-855-4804
  www.acorneng.com

Acorn Safety assumes no responsibility for use of void or superseded data. © Copyright Acorn Safety®, City of Industry, CA, Division of Acorn Engineering Company®, Member of Morris Group International™. Please visit www.acorneng.com for most current specifications.

Member of U.S. Green Building Council
Recyclable Product

Submittal # S1340
[CMB] Date: 11/14/17

18
Model S1340: Combination Station, Stainless Steel Bowl Eye/Face Wash, Plastic Showerhead

**Technological Dimensions**

All dimensions are subject to manufacturer’s tolerance of plus or minus 1/2" nominal and subject to change without notice. Acorn Safety® assumes no responsibility for use of void or superseded data. Dimensions may change with the addition of optional accessories. © Acorn Safety®, A Division of Acorn Engineering Company®, Member of Morris Group International™. Please visit [www.acorneng.com](http://www.acorneng.com) for most current specifications.

Model S1340: Combination Station, Stainless Steel Bowl Eye/Face Wash, Plastic Showerhead

---

**General Notes:**

1. All dimensions are in inches [mm].

Acorn Safety warrants that its products are free from defects in material or workmanship under normal use and service for a period of one year from date of shipment. Acorn’s liability under this warranty shall be discharged solely by replacement or repair of defective material, provided Acorn is notified in writing within one year from date of shipment, F.O.B. Industry, California.

---

**Selection Summary & Approval for Manufacturing**

- Model Number & Options: ____________________________ Quantity: ____________
- Company: ____________________________
- Contact: ____________________________ Title: ____________________________
- Signature: ____________________________ Date: ____________________________

---

[800-591-9372](tel:800-591-9372) or 626-855-4804
[www.acorneng.com](http://www.acorneng.com)
Model S2340-AS
Combination Station, Eye/Face Wash and Showerhead, All Stainless Steel

SPECIFICATIONS:
Model S2340-AS is 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.

STANDARD EQUIPMENT:
Showerhead: Stainless steel, 8" diameter showerhead with a 20 gpm flow regulator.
Shower Valve: 1" NPT stainless steel stay-open ball valve. Unit is provided with a stainless steel actuator arm and a 29" stainless steel pull rod.
Eye/Face Wash Bowl: Stainless steel, 11-3/4" diameter bowl.
Spray Head Assembly: ABS yellow plastic eye/face wash spray heads with integral flip dust covers, internal flow controls and filters to remove debris from the water. An anti-microbial agent is molded into the ABS material, providing integrated protection.
Eye/Face Wash Valve: 1/2" NPT stainless steel stay-open ball valve with a stainless steel push handle and a 50 mesh inline strainer.
Water Supply: 1-1/4" NPT female threaded side or top inlet.
Piping & Mounting: Schedule 40 stainless steel piping and a 4-5/8" diameter stainless steel floor flange.
Universal Sign: ANSI compliant, vertical identification sign.
Weekly Test Tag: A waterproof test card to record the date and inspector's name for weekly functional testing of the unit.

OPTIONAL ACCESSORIES:
Additional costs may be incurred

- AL2 Electric alarm with flashing light and horn
- BF Barrier free, handicap accessible
- CS1 Stainless steel "clam shell" cover
- ET712-BVS-OTG Thermostatic mixing valve is ASSE Listed per the ASSE 1071 standard. The tepid output water complies with ANSI Z358.1 standard. Valve includes Ball Valve Shut-offs, Outlet Temperature Gauge
- FLW1 Flow switch, single pole
- FPV Freeze protection valve (eye/face wash only)
- HFC Hand foot control
- MC1 Modesty curtain for horizontal showers
- MS1 MAP (magnetically actuated proximity) switch, for one (1) actuator
- MS2 MAP (magnetically actuated proximity) switches, for two (2) actuators
- SDC Stainless steel dust covers
- SPV Scald protection valve (eye/face wash only)
- "1" Auxiliary hand-held drench hose with a self-closing valve (Use model S2341-AS)

Product carries the following certifications:

- ACORN SAFETY
  P.O. Box 3527
  City of Industry, CA 91744 U.S.A.
  Phone 800-591-9372
  626-855-4804
  www.acorneng.com

- ACORN SAFETY
  Division of Acorn Engineering Company.
  Member of Morris Group International™

- U.S. Green Building Council

- Recyclable Product

- Member of Morris Group International™

- Member of U.S. Green Building Council

Test rating conditions are compliant to ANSI Z358.1

Submittal #: S2340-AS
[CMB] Date: 08/18/17
Model S2340-AS: Combination Station, Eye/Face Wash and Showerhead, All Stainless Steel

All dimensions are subject to manufacturer’s tolerance of plus or minus 1/2" nominal and subject to change without notice. Acorn Safety® assumes no responsibility for use of void or superseded data. Dimensions may change with the addition of optional accessories. © Acorn Safety®, A Division of Acorn Engineering Company®, Member of Morris Group International™. Please visit www.acorneng.com for most current specifications.

**GENERAL NOTES:**

1. ALL DIMENSIONS ARE IN INCHES [MM].

Acorn Safety warrants that its products are free from defects in material or workmanship under normal use and service for a period of one year from date of shipment. Acorn’s liability under this warranty shall be discharged solely by replacement or repair of defective material, provided Acorn is notified in writing within one year from date of shipment, F.O.B. Industry, California.
Model S1360-HT
Heat Traced Combination Station,
Eye/Face Wash, Plastic Showerhead & Drench Hose

SPECIFICATIONS:
Model S1360-HT is a heat traced, pedestal mounted combination station. Unit includes ABS plastic eye/face wash spray heads, inline strainer with stay-open ½” ball valve and push handle; a plastic showerhead, 1” stay-open ball valve with pull rod, a flexible drench hose and stay-open ½” ball valve with push handle. Unit is insulated and encased in a molded ABS jacket with heat traced cable wrapped around the internal supply pipe with a thermostat to control the heating.

STANDARD EQUIPMENT:
- Showerhead: Yellow anti-microbial ABS plastic 7-3/8” diameter showerhead with a 20 gpm flow regulator.
- Shower Valve: 1” IPS rough chrome plated brass stay-open ball valve with stainless steel actuator arm and 29” stainless steel pull rod.
- Eye/Face Wash Spray Head Assembly: Yellow anti-microbial ABS plastic eye/face wash heads with integral flip dust covers, internal flow controls and inline strainer.
- Eye/Face Wash Valve: 1/2” IPS chrome plated brass, stay-open ball valve with stainless steel stem and push handle. An integrated weep hole drains residual water from the eye/face wash heads after each use.
- Drench Hose: ½” ID, 60” long Yellow flexible PVC rubber compound hose.
- Drench Hose Valve: 1/2” IPS chrome plated brass, stay-open ball valve with stainless steel stem and push handle.
- Protection Valve: In the event of electrical failure, freeze protection valve opens automatically when internal water temperature drops below 35°.
- Water Supply: 1-1/4” NPT female threaded top or bottom inlet.
- Jacket/Insulation: 1” thick removable foam insulation covered by a UV protected ABS plastic jacket. All joints and openings are factory sealed.
- Piping & Mounting: Schedule 40 internal galvanized steel piping and a 9-1/8” diameter cast iron floor flange.
- Electrical System/Heat Cable: A GFCI protected circuit providing single phase 120 VAC, 60 Hz electrical service is required. Fixture is rated 5A @ 0° Fahrenheit ambient temperature, Systems junction box and components are rated for Class 1, Division 2, Groups B, C and D. Self regulating heat tracing cable is controlled by a thermostat that shuts off the heat when the ambient temperature reaches 55° F. Cable is both FM and CSA approved.

OPTIONAL ACCESSORIES:
Additional costs may be incurred
- AL2 Electric Alarm with flashing light and horn
- C1D1 Class 1, Division 1
- ET71-2-BVS-OTG Thermostatic mixing valve is ASSE Listed per the ASSE 1071 standard. The tepid output water complies with ANSI Z358.1 standard. Valve includes Ball Valve Shut-offs and Outlet Temperature Gauge
- FLW1 Flow switch, single pole (for remote sensing)
- IDLT Heat trace indicator light
- LGT1 Area light (blue globe)
- SDC Stainless steel dust covers
- SPV Scald protection valve (eyewash only)
- SV1 Stainless steel 1” ball valve
- SV2 Stainless steel 1/2” ball valve
- -240V 240 volt, 60 hertz

Acorn Safety assumes no responsibility for use of void or superseded data. © Copyright Acorn Safety®, City of Industry, CA. Division of Acorn Engineering Company®, Member of Morris Group International®. Please visit www.acorneng.com for most current specifications.

Submittal #: S1360-HT
(CMB) Date: 08/09/17

Test rating conditions are compliant to ANSI Z358.1

Acorn Engineering Company®, Member of Morris Group International®
Model S1360-HT: Heat Traced Combination Station, Eye/Face Wash, Plastic Showerhead & Drench Hose

**GENERAL NOTES:**

1. ALL DIMENSIONS ARE IN INCHES [MM].
Model S0440
Wall Mounted Eye/Face Wash, Stainless Steel Bowl

SPECIFICATIONS:
Model S0440 is a wall 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.

STANDARD EQUIPMENT:
Spray Head Assembly: ABS yellow plastic eye/face wash heads with integral flip dust covers, internal flow controls and filters to remove debris from the water. An anti-microbial agent is molded into the ABS material, providing integrated protection.
Valve: 1/2” NPT chrome plated brass stay-open ball valve with a stainless steel push handle and a 50 mesh inline strainer.
Water Supply: 1/2” NPT female threaded, chrome plated brass inlet.
Waste: Chrome plated brass, 1-1/4” OD tailpiece.
Bowl: Stainless steel, 11-3/4” diameter bowl.
Mounting: 11 gage galvanized steel wall bracket with a yellow powder coated finish.
Universal Sign: ANSI compliant, vertical identification sign.
Weekly Test Tag: A waterproof test card to record the date and inspector’s name for weekly functional testing of the unit.

OPTIONAL ACCESSORIES:
Additional costs may be incurred
- BF Barrier free, handicap accessible
- CS1 Stainless Steel "clam shell" cover
- ET71-1-BVS-OTG Thermostatic mixing valve is ASSE Listed per the ASSE 1071 standard. The tepid output water complies with ANSI Z358.1 standard. Valve includes Ball Valve Shut-offs and Outlet Temperature Gauge
- FLW2 Flow switch, single pole
- FPV Freeze protection valve
- LWB Less wall bracket
- MS1 MAP (magnetically actuated proximity) switch, for one (1) actuator
- PT1 P-trap, chrome plated brass with 1-1/4” OD waste outlet
- SDC Stainless steel dust covers
- SPV Scald protection valve
- SV2 Stainless steel ball valve
- "1" Auxiliary hand-held drench hose with a self-closing valve (Use model S0441)
MODEL S0440 : Wall Mounted Eye/Face Wash, Stainless Steel Bowl

Acorn Safety warrants that its products are free from defects in material or workmanship under normal use and service for a period of one year from date of shipment. Acorn’s liability under this warranty shall be discharged solely by replacement or repair of defective material, provided Acorn is notified in writing within one year from date of shipment, F.O.B. Industry, California.

GENERAL NOTES:
1. ALL DIMENSIONS ARE IN INCHES [MM].
2. ANSI Z358.1 REQUIRES NOZZLES TO BE MOUNTED BETWEEN 33" - 45" [838 - 1143] ABOVE THE FINISHED FLOOR.
3. 1-1/4” OD TAILPIECE
4. 1/2” NPT SUPPLY INLET
5. MFG HARDWARE BY OTHERS

Acorn Safety  assumes no responsibility for use of void or superseded data. Dimensions may change with the addition of optional accessories. © Acorn Safety, A Division of Acorn Engineering Company, Member of Morris Group International™. Please visit www.acorneng.com for most current specifications.
Model S0340
Pedestal Mounted Eye/Face Wash, Stainless Steel Bowl

SPECIFICATIONS:
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.

STANDARD EQUIPMENT:
Spray Head Assembly: ABS yellow plastic eye/face wash heads with integral flip dust covers, internal flow controls and filters to remove debris from the water. An anti-microbial agent is molded into the ABS material, providing integrated protection.
Valve: 1/2” NPT chrome plated brass stay-open ball valve with a stainless steel push handle and a 50 mesh inline strainer.
Water Supply: 1/2” NPT female threaded, chrome plated brass inlet.
Waste: 1-1/4” NPT female outlet.
Bowl: Stainless steel, 11-3/4” diameter bowl.
Piping & Mounting: Schedule 40 galvanized steel piping and a 9-1/8” diameter cast iron floor flange with a yellow powder coated finish.
Universal Sign: ANSI compliant, vertical identification sign.
Weekly Test Tag: A waterproof test card to record the date and inspector’s name for weekly functional testing of the unit.

OPTIONAL ACCESSORIES:
- BF Barrier free, handicap accessible
- CS1 Stainless steel “clam shell” cover
- ET71-1-BVS-OTG Thermostatic mixing valve is ASSE Listed per the ASSE 1071 standard. The tepid output water complies with ANSI Z358.1 standard. Valve includes Ball Valve Shut-offs and Outlet Temperature Gauge
- FLW2 Flow switch, single pole
- FPV Freeze protection valve
- HFC Hand foot control
- MS1 MAP (magnetically actuated proximity) switch, for one (1) actuator
- SDC Stainless steel dust covers
- SPV Scald protection valve
- SV2 Stainless steel ball valve
- “1” Auxiliary hand-held drench hose with a self-closing valve (Use model S0341)

Product carries the following certifications:
Model S0340: Pedestal Mounted Eye/Face Wash, Stainless Steel Bowl

**TECHNICAL DIMENSIONS**

All dimensions are subject to manufacturer's tolerance of plus or minus 1/2" nominal and subject to change without notice. Acorn Safety™ assumes no responsibility for use of void or superseded data. Dimensions may change with the addition of optional accessories. © Acorn Safety™, A Division of Acorn Engineering Company™, Member of Morris Group International™. Please visit [www.acorneng.com](http://www.acorneng.com) for most current specifications.

**GENERAL NOTES:**
1. ALL DIMENSIONS ARE IN INCHES [MM].
2. ANSI Z358.1 REQUIRES NOZZLES TO BE MOUNTED BETWEEN 33" - 45" [838 - 1143] ABOVE THE FINISHED FLOOR.

**Acorn Safety warrants that its products are free from defects in material or workmanship under normal use and service for a period of one year from date of shipment. Acorn's liability under this warranty shall be discharged solely by replacement or repair of defective material, provided Acorn is notified in writing within one year from date of shipment, F.O.B. Industry, California.**

---

**Model Number & Options __________________________________________ Quantity ____________**

**Company __________________________________________ Title __________________________**

**Contact __________________________________________ Signatures (Approval for Manufacturing) __________________________ Date ____________**

---

**SELECTION SUMMARY & APPROVAL FOR MANUFACTURING**

---

**Acorn Safety 800-591-9372 or 626-855-4804 www.acorneng.com**
Model S0340-AS
Pedestal Mounted Eye/Face Wash, All Stainless Steel

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

**STANDARD EQUIPMENT:**
- Spray Head Assembly: ABS yellow plastic eye/face wash heads with integral flip dust covers, internal flow controls and filters to remove debris from the water. An anti-microbial agent is molded into the ABS material, providing integrated protection.
- Valve: 1/2" NPT stainless steel stay-open ball valve with a stainless steel push handle and a 50 mesh inline strainer.
- Water Supply: 1/2" NPT female threaded, stainless steel inlet.
- Bowl: Stainless steel, 11-3/4" diameter bowl.
- Piping & Mounting: Schedule 40 stainless steel piping and a 4-5/8" diameter stainless steel floor flange.
- Universal Sign: ANSI compliant, vertical identification sign.
- Weekly Test Tag: A waterproof test card to record the date and inspector’s name for weekly functional testing of the unit.

**OPTIONAL ACCESSORIES:**
- Additional costs may be incurred

- **Model:** S0340-AS
- **-BF** Barrier free, handicap accessible
- **-CS1** Stainless steel "clam shell" cover
- **-ET71-1-BVS-OTG** Thermostatic mixing valve is ASSE Listed per the ASSE 1071 standard. The tepid output water complies with ANSI Z358.1 standard. Valve includes Ball Valve Shut-offs and Outlet Temperature Gauge
- **-FLW2** Flow switch, single pole
- **-FPV** Freeze protection valve
- **-HFC** Hand foot control
- **-MS1** MAP (magnetically actuated proximity) switch, for one (1) actuator
- **-SDC** Stainless steel dust covers
- **-SPV** Scald protection valve
- **“1”** Auxiliary hand-held drench hose with a self-closing valve (Use model S0341-AS)

---

Acorn Safety assumes no responsibility for use of void or superseded data. © Copyright Acorn Safety®, City of Industry, CA, Division of Acorn Engineering Company®, Member of Morris Group International™. Please visit www.acorneng.com for most current specifications.

Product carries the following certifications:

Test rating conditions are compliant to ANSI Z358.1

ACORN SAFETY
P.O. Box 3527
City of Industry, CA
91744 U.S.A.
Phone 800-591-9372
626-855-4804
www.acorneng.com

Submittal # S0340-AS
[EFW] Revised: 07/20/17
Model S0340-AS: Pedestal Mounted Eye/Face Wash, All Stainless Steel

**TECHNICAL DIMENSIONS**

All dimensions are subject to manufacturer’s tolerance of plus or minus 1/2" nominal and subject to change without notice. Acorn Safety® assumes no responsibility for use of void or superseded data. Dimensions may change with the addition of optional accessories. © Acorn Safety®, A Division of Acorn Engineering Company®, Member of Morris Group International™. Please visit www.acorneng.com for most current specifications.

1. ALL DIMENSIONS ARE IN INCHES [MM].
2. ANSI Z358.1 REQUIRES NOZZLES TO BE MOUNTED BETWEEN 33" - 45" [838 - 1143] ABOVE THE FINISHED FLOOR.

**GENERAL NOTES:**

**S0340-AS Revised: 07/20/17**

Acorn Safety warrants that its products are free from defects in material or workmanship under normal use and service for a period of one year from date of shipment. Acorn’s liability under this warranty shall be discharged solely by replacement or repair of defective material, provided Acorn is notified in writing within one year from date of shipment, F.O.B. Industry, California.
**Model S0P50**

*Portable Gravity Fed Eyewash Station*

---

**SPECIFICATIONS:**

Model S0P50 portable eyewash station shall include a polyethylene 18 gallon tank, no moving parts and can be wall mounted or placed on a countertop or other flat surface. Eyewash heads provide a minimum of 0.4 GPM flow rate for 15 minutes and include a yellow eyewash pull strap for ease of activation. Tank includes integral handles on the top and sides, wide fill opening with threaded cap, highly visible identification/operation label and inspection/maintenance label. Unit is supplied with a heavy duty stainless steel wall bracket.

---

**STANDARD EQUIPMENT:**

- **Tank:** Highly visible yellow, UV protected polyethylene tank, with no moving parts.
- **Eyewash:** ABS plastic eyewash heads with easy activation removable pull strap will deliver a minimum water flow of 0.4 GPM (1.5 liters) for 15 minutes. Pull strap caps form an airtight seal which prevents dust and debris from collecting on the eyewash heads.
- **Mounting:** A J-shaped heavy duty stainless steel wall bracket for wall mounting allows easy removal and remounting of the eyewash station. The eyewash station can also be placed on a countertop or other flat surface.
- **Drain hose:** Supplied with three feet of 1/2" ID drain hose.
- **Labels:** Highly visible high gloss identification/operation label and inspection/maintenance label are fixed to the face of the tank.
- **Water preservative:** Not included.
- **Weekly inspection tag:** A waterproof test card to record the date and inspector's name, for weekly inspection of the eyewash station.

---

**APPLICATION:**

Ideal for low traffic or remote areas where a person's eyes may be exposed to injurious or corrosive materials and there is no immediately available supply of potable water. The eyewash station can be wall mounted or may be placed on a countertop or other suitable flat surface. The eyewash station must be installed per ANSI Z358.1.

---

Product carries the following certifications:

---

ACORN SAFETY
P.O. Box 3527
City of Industry, CA 91744 U.S.A.
Phone 800-591-9372
626-855-4804
www.acorneng.com

---

Acorn Safety assumes no responsibility for use of void or superseded data. © Copyright Acorn Safety - City of Industry, CA. Division of Acorn Engineering Company. Member of Morris Group International™. Please visit www.acorneng.com for most current specifications.

---

Submittal #: S0P50
[EW] Revised: 08/15/17

Test rating conditions are compliant to ANSI Z358.1.
TECHNICAL DIMENSIONS

All dimensions are subject to manufacturer's tolerance of plus or minus 1/2" nominal and subject to change without notice. Acorn Safety" assumes no responsibility for use of void or superseded data. Dimensions may change with the addition of optional accessories. © Acorn Safety®, A Division of Acorn Engineering Company®, Member of Morris Group International™. Please visit www.acorneng.com for most current specifications.

Model S0P50: Portable Gravity Fed Eyewash Station

GENERAL NOTES:
1. ALL DIMENSIONS ARE IN INCHES [MM].
2. ANSI Z358.1 REQUIRES NOZZLES TO BE MOUNTED BETWEEN 33" - 45" [838 - 1143] ABOVE THE FINISHED FLOOR.
3. TANK CAN ALSO BE PLACED ON A COUNTERTOP OR OTHER FLAT SURFACE.

Acorn Safety warrants that its products are free from defects in material or workmanship under normal use and service for a period of one year from date of shipment. Acorn’s liability under this warranty shall be discharged solely by replacement or repair of defective material, provided Acorn is notified in writing within one year from date of shipment. F.O.B. Industry, California.

Model Number & Options ___________________________________________ Quantity _____________
Company _______________________________________________________
Contact ______________________________ Title _______________________
Signature ____________________ (Approval for Manufacturing) ______

SOP50 Revised: 08/15/17

800-591-9372 or 626-855-4804
www.acorneng.com
Model S0000-AL2
Electric Alarm with Flashing Light and Horn

SPECIFICATIONS:
Model S0000-AL2 is an electric alarm 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 pole double throw contacts which allow for remote monitoring (by others). Weatherproof light, horn, junction boxes, flexible conduit and flow switch comply with NEMA type 4 requirements.

STANDARD EQUIPMENT:
- **Horn**: UL LISTED, NEMA type 4X horn that provides a distinctive audible signal with a volume preset at 90 dB at 10 feet (adjustment screw on the horn permits changes to the sound level).
- **Flashing Light**: UL LISTED, NEMA type 4X flashing amber light is provided.
- **Flow Switch**: Weatherproof, UL LISTED 1-1/4" NPT, DPDT double pole, double throw, 125 volts, 5 amp flow switch.
- **Mounting**: The unit is provided with a bracket for mounting the alarm and light on a vertical pipe or wall.

OPTIONAL ACCESSORIES:
Additional costs may be incurred
- **-ASW** NEMA type 4X, Audible Alarm Silencing Switch
- **-C1D1** Class 1, Division 1
- **-C1D2** Class 1, Division 2
- **-240V** 240 volts, 50 hertz
Model S0000-AL2: Electric Alarm with Flashing Light and Horn

Acorn Safety warrants that its products are free from defects in material or workmanship under normal use and service for a period of one year from date of shipment. Acorn’s liability under this warranty shall be discharged solely by replacement or repair of defective material, provided Acorn is notified in writing within one year from date of shipment, F.O.B. Industry, California.

GENERAL NOTES:
1. ALL DIMENSIONS ARE IN INCHES [MM].
2. FLOW SWITCH SHALL BE INSTALLED VERTICALLY WITH HORIZONTAL FLOW.
3. DIRECTION OF WATER FLOW MUST BE IN SAME DIRECTION AS SHOWN ON FLOW SWITCH.
4. HORN INCLUDES AN EXTERNAL ADJUSTMENT SCREW AND MAY BE ADJUSTED FROM 73 dB TO 103 dB AT 10 FEET.

Acorn Safety offers a wide range of products, including the S0000-AL2 Electric Alarm with Flashing Light and Horn. The product features a 120VAC NEMA 4X Amber Flashing LED Light, a 1-1/4” Pipe Fixing Clamp Provided, and an Adjustable NEMA 4X Horn. The Power Supply is provided by others, specifically 125 / 250VAC, 5A DPDT Double Pole Double Throw Flow Switch. The product is equipped with a 5 FT Flexible Weather Proof Power Conduit and a 1-1/4” NPT Female Tee (included).

All dimensions are subject to manufacturer’s tolerance of plus or minus 1/2" nominal and subject to change without notice. Acorn Safety assumes no responsibility for use of void or superseded data. Dimensions may change with the addition of optional accessories. © Acorn Safety, A Division of Acorn Engineering Company, Member of Morris Group International™. Please visit www.acorneng.com for most current specifications.
INNOVATIVE SPIRIT AND ENGINEERING FOUNDATION

"What sets us apart from competitors is our engineering and spirit. We have a 'can-do' spirit. If you ask us to do something, we will do it or figure out how to do it. That's the part our customers like, that's the part we like."

- Don Morris, President and CEO