INSTALLATION, OPERATIONS & MAINTENANCE MANUAL

Please visit ***www.acorneng.com***
for most current specifications.

ELPS1-SW000-F60-PS1000-PS

(Photo shows optional accessories)

ELPS2-SW000-F60-PS1000-PS

(Photo shows optional accessories)

IMPORTANT

Important: Some options may slightly alter installation. To ensure proper installation review the manual thoroughly and verify rough-ins before beginning any work. File this manual with the owner or maintenance personnel upon completion of installation.

Industry standard wall backing, for wall hung fixtures, is required. Installer provided wall anchors and wall anchoring hardware must be appropriate for wall construction.

ANSI, UFAS or ADA compliance is subject to the interpretation and requirements of the local code authority and is the responsibility of the installer for verification.

Single Temp Valve Assembly: Recommended working water pressure is 30 psi (2.07 bars) minimum to 100 psi (6.89 bars) maximum. Maximum temperature is 130°F (54.4°C). Maximum outlet temperature recommended is 105°F (40.6°C). Valve assembly must be drained prior to being subjected to freezing temperatures. A checkstop is provided with this valve assembly.

T/P Mixing Valve Assembly: Recommended working water pressure is 30 psi (2.07 bars) minimum to 100 psi (6.89 bars) maximum. Maximum hot water temperature is 180°F (82°C). Temperature adjustment range is 85-115°F (29-46°C). Minimum hot water supply temperature must be 5°F (3°C) above desired set temperature. Valve assembly must be drained prior to being subjected to freezing temperatures. The valve assembly has checks integral to the inlets however, angle stops are to be provided by the installer.

Prior to installation, supply lines must be flushed of all foreign material such as pipe dope, chips, or solder. Debris or foreign material in water supply may damage valve.

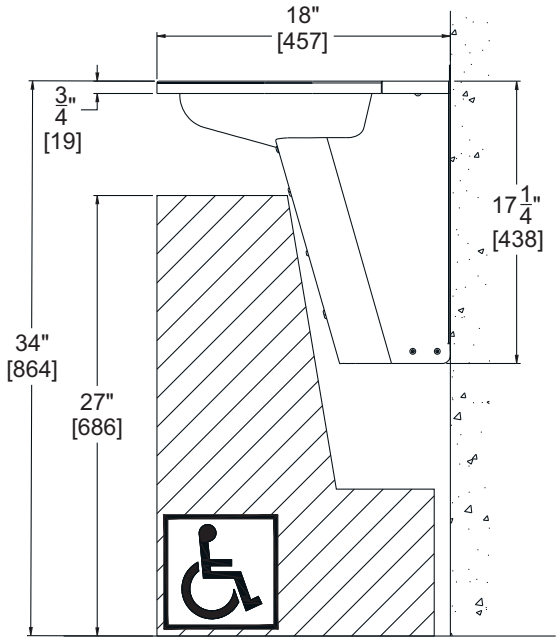
Teflon tape is recommended on all threaded waste and supply connections to reduce the possibility of leaks.

Provide 110-120VAC/60Hz/3A (MAX) electrical receptacle for factory supplied 120VAC/9VDC, 100mA plug-in transformer.

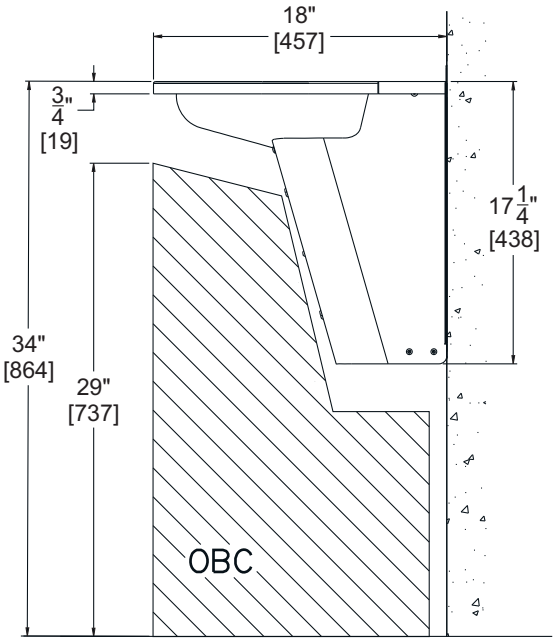
NOTE: Receptacle(s) must be wired to a GFCI protected circuit. Fixture must be earth grounded per N.E.C. (National Electrical Code).

ACCESSIBILITY COMPARISONS

ELPS1

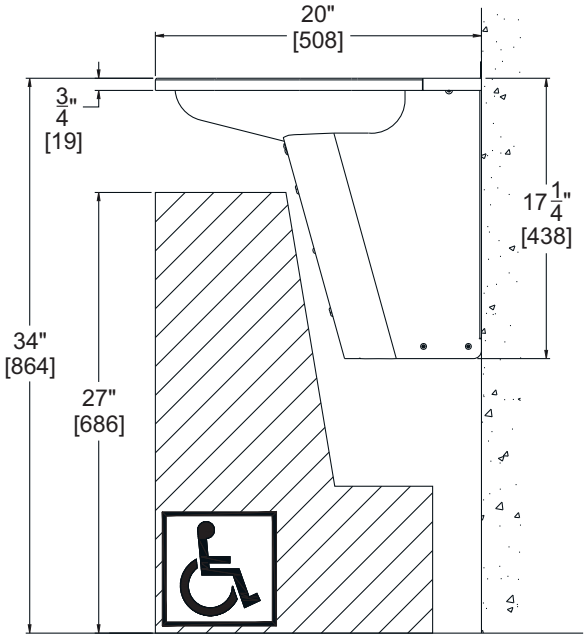


ADA
Adult

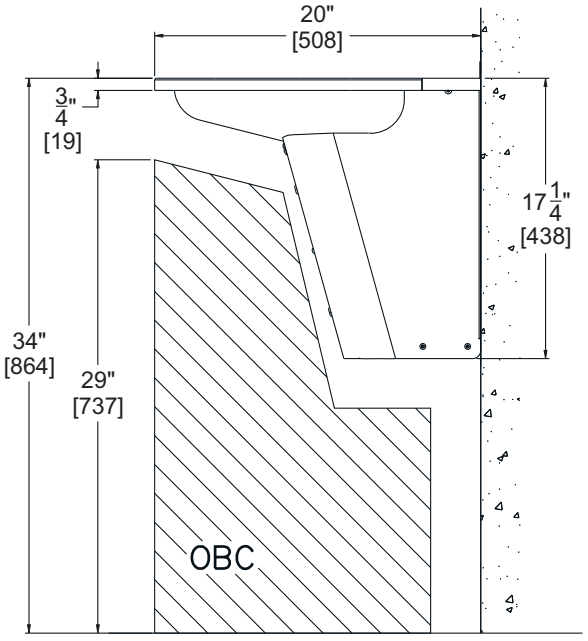


OBC
(Ontario Building Code)

ELPS2



ADA
Adult

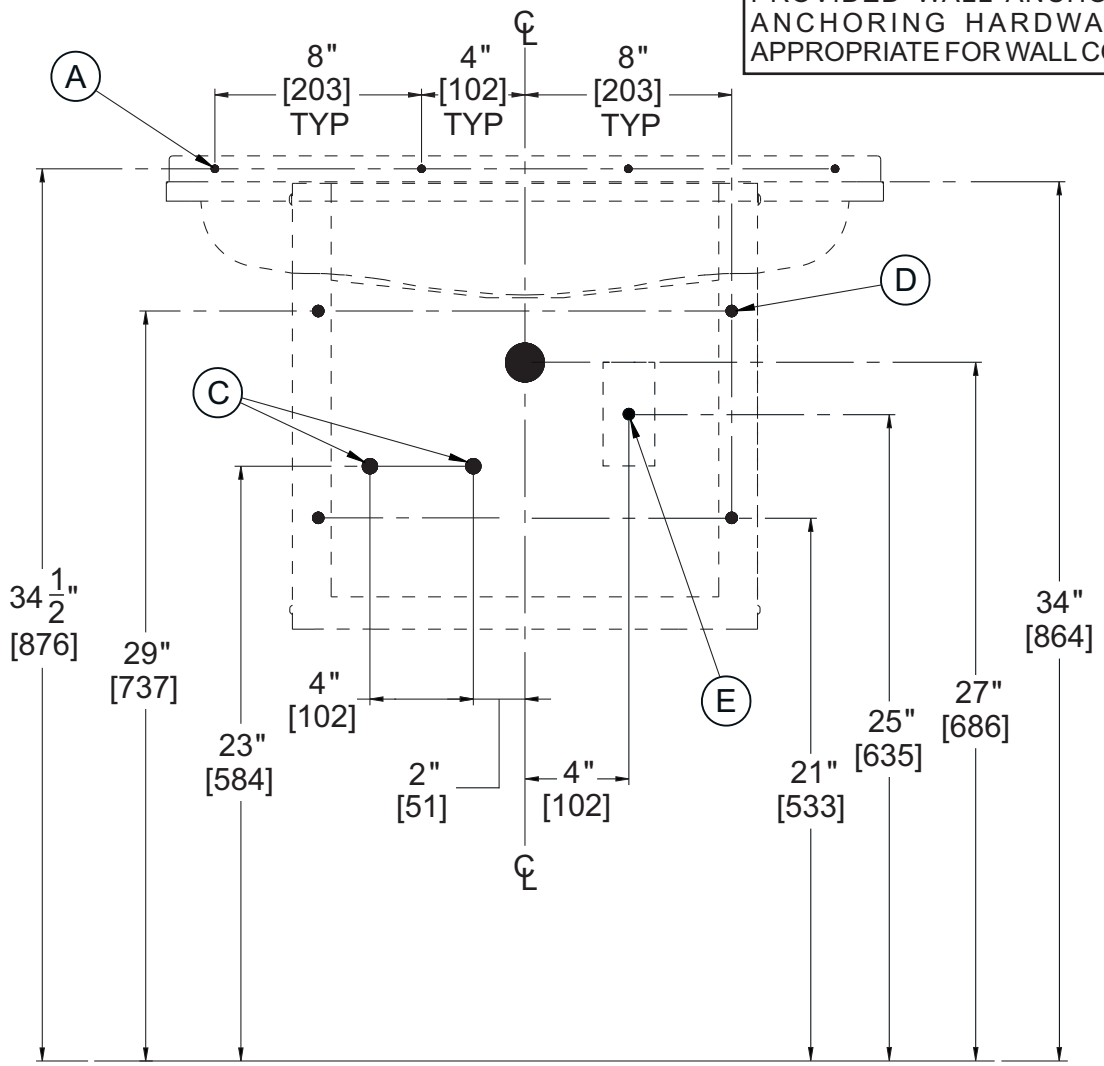


OBC
(Ontario Building Code)

ELPS1 ROUGH-IN DIMENSIONS -ADA

NOTE: FIXTURE WEIGHT IS APPROXIMATELY 55 LBS (INDUSTRY STANDARD WALL BACKING, FOR WALL HUNG FIXTURES, IS REQUIRED. INSTALLER PROVIDED WALL ANCHORS AND WALL ANCHORING HARDWARE MUST BE APPROPRIATE FOR WALL CONSTRUCTION)

FRONT VIEW



ELPS1-PT SHOWN

(A) Ø1/4" Mounting Holes (4) Places.

(B) 1-1/2" O.D. P-Trap Waste Outlet.

(C) 1/2" NPS Hot & Cold Supplies, Rough-In as required (Angle Stops by others).

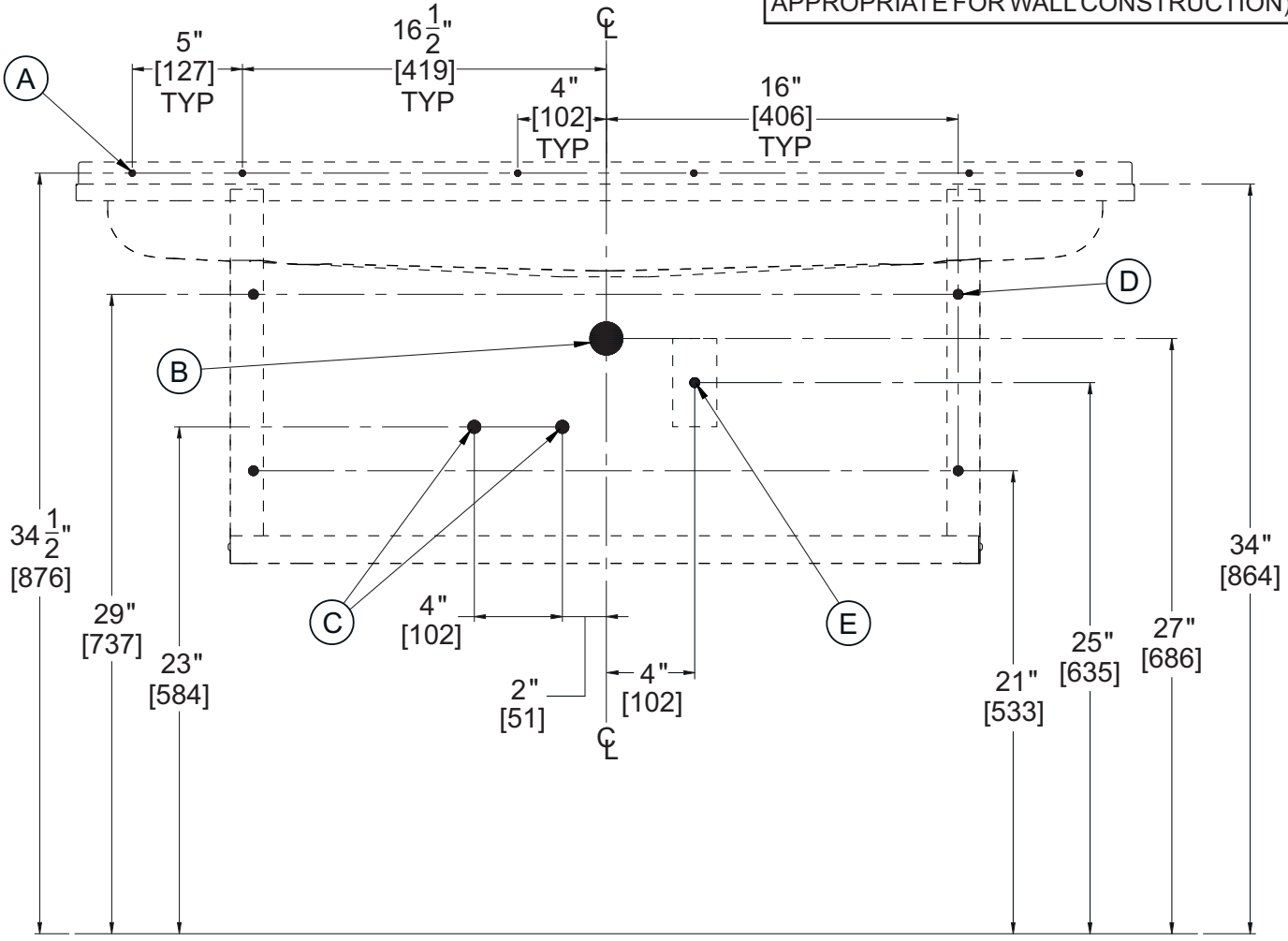
(D) Ø7/16" Mounting Points (4) Places.

(E) When required for Sensor Faucet 120VAC, 60Hz, 3A (Max) GFCI Protected Electrical Receptacle.

ELPS2 ROUGH-IN DIMENSIONS -ADA

NOTE: FIXTURE WEIGHT IS APPROXIMATELY 95 LBS (INDUSTRY STANDARD WALL BACKING, FOR WALL HUNG FIXTURES, IS REQUIRED. INSTALLER PROVIDED WALL ANCHORS AND WALL ANCHORING HARDWARE MUST BE APPROPRIATE FOR WALL CONSTRUCTION)

FRONT VIEW



ELPS2-PT SHOWN

(A) Ø1/4" Mounting Holes (6) Places.

(B) 1-1/2" O.D. P-Trap Waste Outlet.

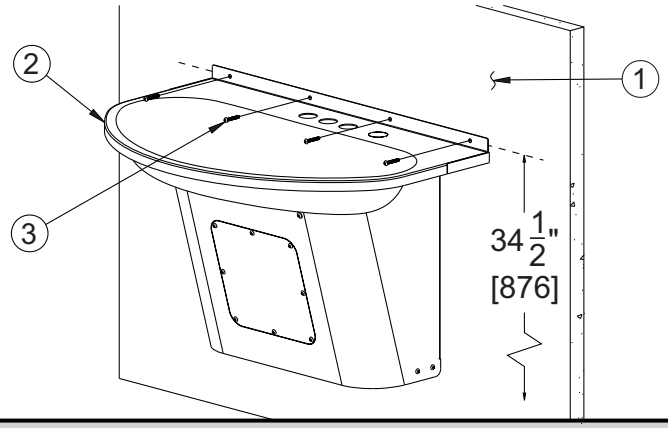
(C) 1/2" NPS Hot & Cold Supplies, Rough-In as required (Angle Stops by others).

(D) Ø7/16" Mounting Points (4) Places.

(E) When required for Sensor Faucet 120VAC, 60Hz, 3A (Max) GFCI Protected Electrical Receptacle.

FIXTURE ANCHORING

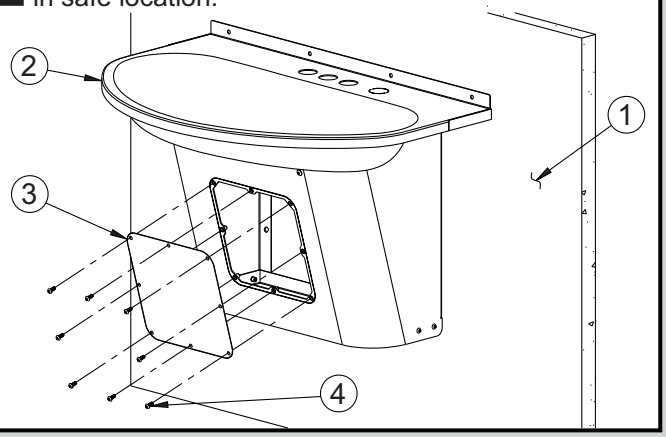
1 Mark, level and mount unit using upper mounting holes with Wall Anchoring Hardware provided by others.



1. Finished Wall
2. Basin Assembly
3. Wall Anchoring Hardware provided by others

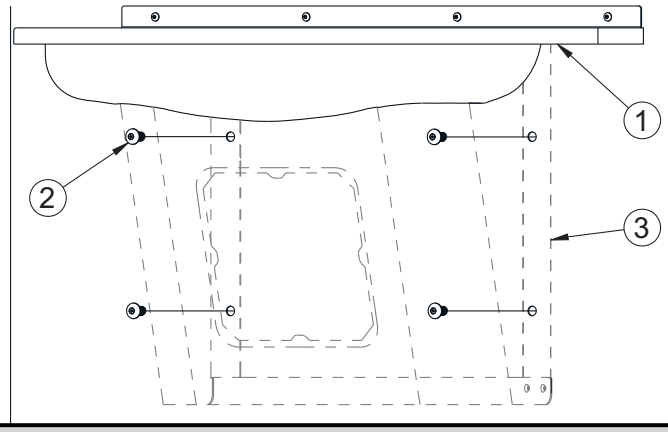
NOTE: It may be advantageous to install to the deck, faucets, soap dispensers or other accessories prior to wall mounting.

2 Remove Access Panel and set aside Fasteners in safe location.



1. Finished Wall
2. Basin Assembly
3. Access Panel
4. Fasteners (Provided)

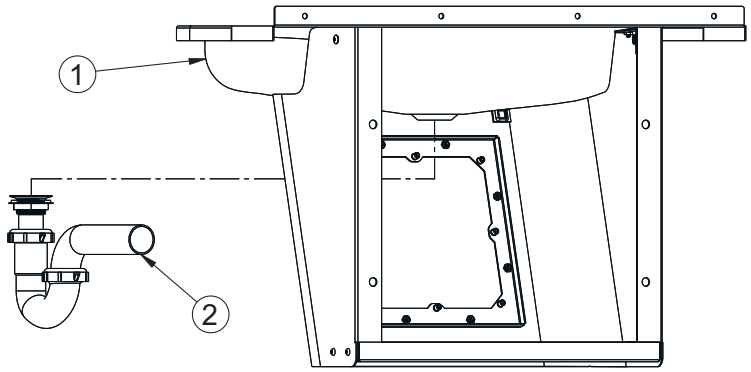
3 Secure unit to wall using installer provided wall anchoring hardware.



1. Basin Assembly
2. Wall Anchoring Hardware provided by others
3. Trap Enclosure (Shown Phantom for Reference)

WASTE ASSEMBLY

4 Install P-Trap through the Access Panel Opening on the front side of unit.



1. Basin Assembly
2. P-Trap Assembly

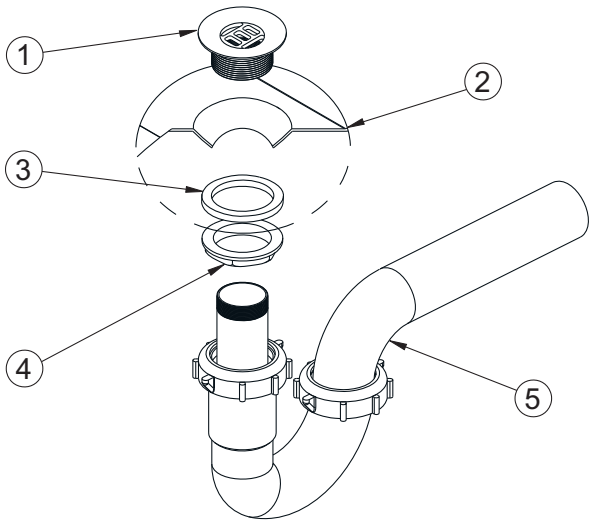
1. Drain Strainer
2. Basin
3. Rubber Gasket
4. Washer and Hex Nut
5. 1-1/2” x 1-1/4” P-Trap

HINT: Teflon tape is recommended on all threaded waste and supply connections.

IMPORTANT

Upon completion of all plumbing connections, check for water leaks in supply lines and waste water piping.

5 Install Drain Strainer to Basin using plumbers putty on underside of grid strainer flange. From beneath Basin, assemble Rubber Gasket, Washer and Hex Nut as shown to Strainer and tighten securely.



6 Reinstall set aside Access Panel with previously set aside Fasteners (Provided).

CARE AND CLEANING OF STAINLESS STEEL SURFACE

NORMAL CLEANING

Clean weekly or more often, as needed (especially high polishing surfaces)

RECOMMENDED CLEANING MATERIALS

- Sponge – natural or artificial
- Nylon or other soft-bristle material brush
- Soft cloth (as used on automobile finishes)

RECOMMENDED CLEANING SOLUTIONS

- Hand dishwashing liquid/soft water solution
- Mild soap/soft water solution
- 3M Stainless Steel Cleaner/Polish
- White vinegar/soft water solution (for brightening, removing oil and hard water deposits)
- CLR Brand Cleanser or baking soda/soft water solution (for brightening, removing hard water deposits)
- Club soda and sponge

FOR HIGH POLISH STAINLESS STEEL

Note: High polish stainless steel surfaces should never come into contact with any abrasive cleaning brush, cloth or cleaning agent.

To remove smudges and fingerprints:
Wipe surfaces with a quality Stainless Steel Cleaner/Polish. Apply using a soft non-abrasive cloth, wipe surfaces with stainless steel cleaner/polish.

To remove rust stains:
Wipe surfaces with CRES (available from Acorn) or equivalent cleaner. Use recommended solutions. Apply using a soft non-abrasive sponge. Rinse surfaces immediately after application. Always follow cleaner product directions provided. Afterwards, using a soft, non-abrasive cloth, wipe surfaces with stainless steel cleaner/polish.

FOR TOUGH PROBLEMS

- CRES Cleaner specifically for rust stains (available from Acorn)
- Tarn-X for general stains
- #7 chrome polish
- Silver polish

To remove stubborn spots or to treat a scratch *(Standard Satin Finish Only)*:
Use of synthetic, abrasive, general-purpose pads such as Scotch Brite is recommended. Apply the stainless steel cleaner/polish to the synthetic, abrasive pads and CAREFULLY rub out spot with cleaner/ polish. Be sure to rub in the direction of the grain! Do not allow steel wool to come in contact with the stainless steel. Steel particles can embed into the stainless steel surface and create rust!

Stainless steel should be kept clean at all times. If maintained, stainless steel surfaces will retain their new, clean, polished appearance indefinitely. To remove water spots or rust spots, stainless steel cleaner/polish on a cloth is recommended.

IF SPOTS ARE STUBBORN OR IF YOU WISH TO TREAT A SCRATCH: synthetic, abrasive, general-purpose pads such as Scotch Brite are recommended. Apply the stainless steel cleaner/polish to the synthetic, abrasive pad and CAREFULLY rub out spot with cleaner/polish. **Be sure to rub in the direction of the grain!** Do not allow steel wool to come in contact with stainless steel. Steel particles can embed into the stainless steel surface and create rust.

SOAP SYSTEMS

Acorn soap reservoirs and dispensers provide a dependable operation over long term when proper maintenance is performed and the correct soap is being used. The most common problem with soap systems is that the wrong viscosity (thickness) of soap is being used or high acidic pH levels are in the ingredients. Soap thickness can be best explained as no thicker or thinner than normal household liquid dish soap. The pH level of the soap should be 6.5 to 8.5; more acidic soaps will corrode the metal parts and degrade rubber or plastic components.

Soap reservoirs and dispensers should be maintained periodically to clear residue. This should be done in hot water to clean the internal components. The valve should be pumped multiple times to thoroughly clean any residue inside. The reservoir and tubing should also be flushed and cleaned with hot water. In cases of extreme clogs, the dispenser should be disassembled and the parts thoroughly cleaned.

WARNING: Some soap contains corrosive additives that can cause rust on stainless steel surfaces. Acorn recommends user/ maintenance personnel review MSDS reports of soap and possible corrosive additives noted.