

# H1107.8

## Barrier-Free Wall Mounted Electric Drinking Fountain



### FEATURES & BENEFITS

#### Back Panel

Stainless steel back panel helps to protect the wall from inadvertent splashing, and its decorative satin finish increases location visibility and completes the fountain's attractive appearance.

#### Antimicrobially Treated

Specific components are antimicrobially treated using the natural protection of silver. Silver helps protect against the growth of mold and mildew on the treated components. Treated surfaces include bubbler head, push button, waste strainer and trap.

#### Integrated Trap

Spacious fountain design allows for the trap to be internally mounted which allows for easy access, and aids and reduces the installation process.

#### Quality Control

Fountain is pre-built and fully water and pressure tested to ensure no leaks and proper function for reduced installation time and added peace of mind.

#### Finish

Beautiful #4 satin stainless steel finish basin can be easily cleaned and maintained while also resisting corrosion.

#### Push Button

With its patented (Pat.# 6,981,692) push-button valve assembly which allows for front access stream adjustment as well as cartridge and strainer access, this fountain offers the ultimate in ease of maintenance.

#### Construction

Heavy-duty 14 gauge Type 304 Stainless Steel construction with integral 1/4" mounting plates for extra durability. Unit also includes vandal-resistant bottom plates for added peace-of-mind.

#### Bubbler Head

Polished chrome-plated brass bubbler head features an integral basin shank for added strength, and is equipped with a shielded, anti-squirt orifice that provides a steady sanitary source of water.



### SPECIFICATIONS

Model H1107.8 electric wall mounted barrier-free drinking fountain shall include a 14 gauge Type 304 Stainless Steel satin finish basin, antimicrobially treated push-button, bubbler head, waste strainer and trap to protect against the growth of mold and mildew on the treated components. Push-button operated valve with front-accessible cartridge and flow adjustment, polished chrome-plated brass vandal-resistant bubbler head, and a polished chrome-plated brass vandal-resistant waste strainer. Unit shall also include a vandal-resistant bottom plate, satin stainless steel back panel and louvered intrusion-proof grill, and 1-1/4" IPS trap. Unit can be mounted to meet ADA or Child ADA specifications. The R-134a refrigeration system is hermetically sealed and delivers a minimum of 8 gph (30.3 lph) of water at 50°F (10°C) cooled from 80°F (26.7°C) inlet water at 90°F (32.2°C) ambient. 115 Volts, 60Hz, rated watts: 370, full load amps: 5.

### OPTIONS

- Bubbler Head: Model 5725 EnviroGard™ bubbler is a polished chrome-plated solid brass bubbler head with stainless steel water activated pop up canopy. (Pat.# 7,025,282)
- Filter: Model 6426, 12" x 2", in-line lead removal element that reduces lead from incoming water supply.

### APPLICATIONS

Perfect for either public or private settings, our stainless steel electric drinking fountains are a great fit in indoor environments. This series is precisely mounted, making it a nice addition to any surrounding. Specifically, this type fountain may be placed in settings such as: schools, office buildings, shopping malls, and other indoor environments where there is a demand for a chilled water source and/or wheel chair access.

Model meets all current Federal Regulations for the disabled including those in the Americans with Disabilities Act. Electric water coolers are not recommended or designed for outdoor applications or enclosed pool areas (chlorine). These conditions may void warranty. Haws manufactures drinking fountains, electric water coolers and electric drinking fountains to be lead-free by all known definitions including ANSI/NSF Standard 61, Section 9, California Proposition 65, and the Federal Safe Drinking Water Act. Haws electric water coolers comply with ARI Standard 1010 and ANSI A117.1, and be listed by Underwriter

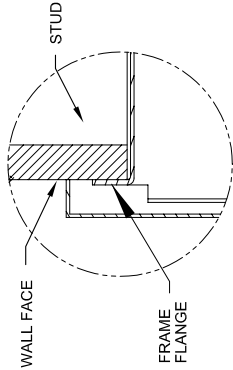


THIS DOCUMENT IS TRUE AND CORRECT AT TIME OF PUBLICATION. CONTINUED PRODUCT IMPROVEMENTS MAKE SPECIFICATIONS AND MEASUREMENTS SUBJECT TO CHANGE WITHOUT NOTICE.

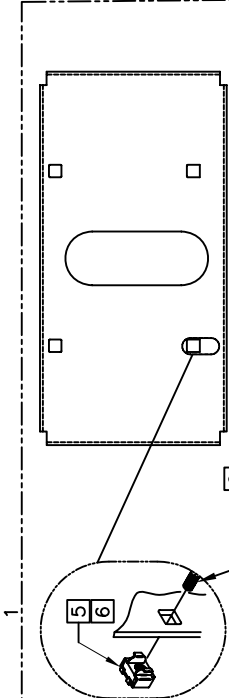
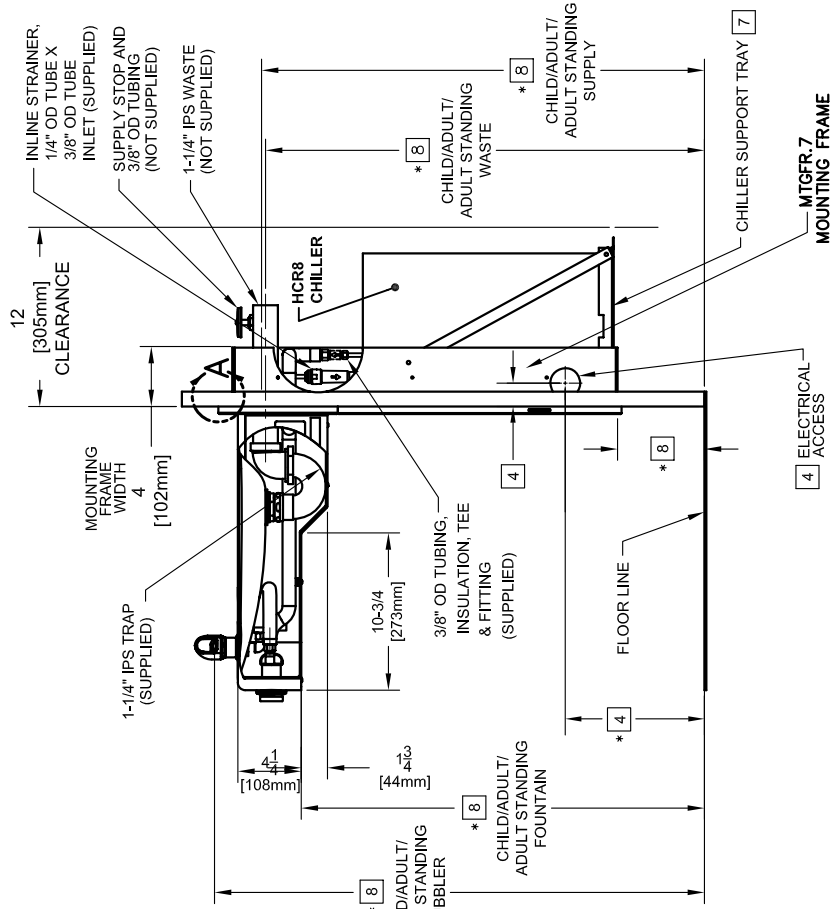
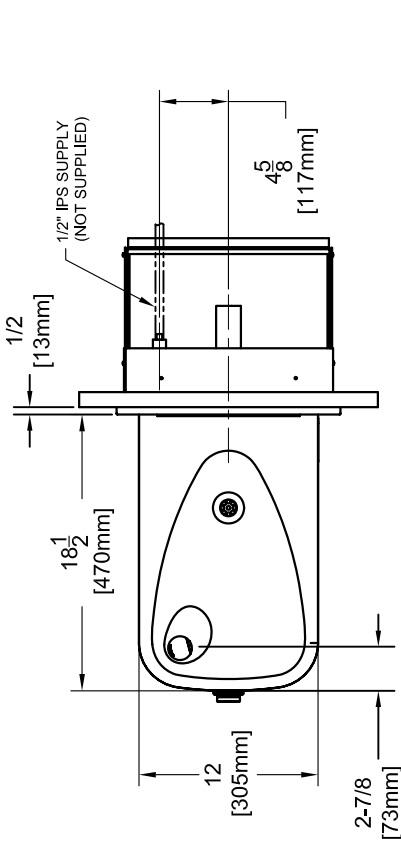
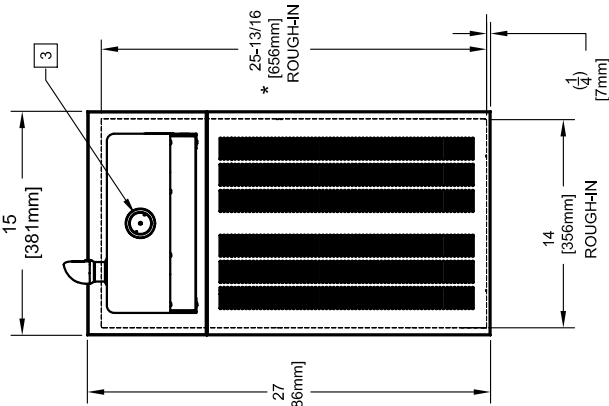
**NOTES:**

1. HOLD ROUGH IN DIMENSIONS ±1/8" (3.2mm)
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4. REFER TO MTGFR.7 INSTALLATION DRAWING FOR FRAME ROUGH-IN DIMENSIONS
5. INSERT 5/16"–18 PANEL NUT RETAINERS FROM OPPOSITE SIDE AT LOCATIONS SHOWN.
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7. ALIGN HOLES IN CHILLER SUPPORT TRAY WITH HOLES IN FRAME AND FASTEN WITH #10 SHEET METAL SCREWS.
8. ROUGH-IN DIMENSIONS FOR FOUNTAIN HEIGHTS:  
CHILD WHEELCHAIR HEIGHT: SEE SHT 2 FIG 1  
WASTE: 26–1/4" (667mm)  
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BUBBLER: 29–7/8" (756mm)  
FRAME: 3–1/8" (79mm)  
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BUBBLER: 32–7/8" (832mm)  
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FOUNTAIN: 32–1/2" (826mm)  
BUBBLER: 38–3/8" (972mm)  
FRAME: 11–5/8" (304mm)


IMPORTANT: MOUNTING FRAME MUST BE INSTALLED SQUARE TO WALL AND FASTENED AGAINST FINISHED WALL FACE.



**DETAIL A**



**BOWL MOUNTING DETAIL**



INFO FAX : 1-888-FAX-HAWS (1-888-329-4297)  
1455 Kleppe Ln, Sparks NV, 89431  
Phone: 775-359-4712 Fax: 775-359-7424  
Haws Ag, Bachweg 3, CH-3401 Burgdorf Switzerland  
Haws Mtg Pte Ltd 74 Sungai Kadut Loop Singapore 729531  
e-mail: Haws@hawsco.com website: www.hawsco.com

REV	REVISION	DATE	BY	CHKD
3817	ECN-4181			
C/FENNER12-29-06			DATE	
APPROVER			DATE	
MODEL(S):			H1107.8	
INFO. FAX. DOC #			2411078	
SCALE: 1:1			TRAINING TYPE: INSTALLATION/FEEDBACK	
DRAWING NUMBER			15271A00	
SHEET			A	
SHEET			1 OF 1	



# INSTALLATION, OPERATION & MAINTENANCE INSTRUCTIONS

1455 Kleppe Lane ♦ Sparks, NV 89431-6467 ♦ (775) 359-4712 ♦ Fax (775) 359-7424  
HAWS AG ♦ Bachweg 3 ♦ CH-3401 Burgdorf ♦ Switzerland  
Haws Mfg. Pte Lt. ♦ 2A Sungei Kadet Drive ♦ Singapore 729554  
Avlis-Avenida Senador, Testonio Vilela ♦ 505 Jardim Aeroporto ♦ Itu, S.P. 13304-550 ♦ Brasil  
E-mail: [haws@hawsco.com](mailto:haws@hawsco.com) ♦ website: [www.hawsco.com](http://www.hawsco.com)

No. 2080221(4)

## Model H1107.8 Water Cooler

**NOTE TO INSTALLER: Please leave this information with the Maintenance Department.**

A ground-fault circuit breaker shall be installed in the branch circuit supplying fountain equipment. NEC680-51(a).

**CAUTION!** Prior to making any electrical connections, verify with a voltmeter that power from the service panel is **off**.

### LIMITED WARRANTY

HAWS® warrants that all of its products are guaranteed against defective material or poor workmanship for a period of **one year from date of shipment**. HAWS liability under this warranty shall be discharged by furnishing without charge F.O.B. HAWS Factory any goods, or part thereof, which shall appear to the Company upon inspection to be of defective material or not of first class workmanship, provided that claim is made in writing to company within a reasonable period after receipt of the product. Where claims for defects are made, the defective part or parts shall be delivered to the Company, prepaid, for inspection. HAWS will not be liable for the cost of repairs, alterations or replacements, or for any expense connected therewith made by the owner or his agents, except upon written authority from HAWS, Sparks, Nevada. HAWS will not be liable for any damages caused by defective materials or poor workmanship, except for replacements, as provided above. Buyer agrees that Haws has made no other warranties either expressed or implied in addition to those above stated, except that of title with respect to any of the products or equipment sold hereunder and that HAWS shall not be liable for general, special, or consequential damages claimed to arise under the contract of sale. The drinking fountain manufactured by HAWS is warranted to function if installation and maintenance instructions provided are adhered to. The units also must be used for the purpose for which they were intended.

**NO OTHER WARRANTIES EXPRESSED OR IMPLIED ARE AUTHORIZED, PROVIDED OR GIVEN BY HAWS.**

**SHOULD YOU EXPERIENCE DIFFICULTY WITH THE INSTALLATION OF THIS MODEL, PLEASE CALL:**

**1-800-766-5612**

**FOR PARTS CALL:**

**1-800-758-9378**

**(U.S.A. AND CANADA ONLY) MONDAY-THURSDAY: 6:00 A.M. – 4:00 P.M. PST  
FRIDAY: 6:00 A.M – 1:00 P.M. PST**

**RECOMMENDED TOOLS:** Hack saw, pipe joint sealant, screwdriver, level, 12" adjustable wrench, 10" pipe wrench, 5/64" hex key wrench, 9/16", 1/2", 7/16" socket wrench or open end wrench.

**LOCATION OF UNIT:** The Model H1107.8 Cooler is a wheelchair accessible drinking water facility. The height dimensions shown, meet current ADA requirements. When installing this unit, local, state or federal codes should be adhered to. If height other than shown is required, then dimensions must be adjusted accordingly.

**SUPPLY LINE:** The minimum recommended line size is 1/2"IPS with 30-90 psi (2-6 ATM) flowing pressure. Where sediment or mineral content is a problem, an inlet filter is recommended.

**PLUMBING CONNECTIONS:** Inlet is 3/8" O.D. tube. Waste trap outlet is female 1-1/4" IPS.

**ELECTRICAL CONNECTIONS:** 115VAC, 60HZ, 4.7 AMPS. Chiller wired direct to incoming line, by others.

PARTS LIST		
MODEL PACKAGE	QUANTITY	ITEMS INCLUDED
MTGFR.7	1	Mounting Frame
	3	#10 Sheet Metal Screws
HCR8	1	Chiller
H1107.8	1	Bowl Assembly
	1	Package supply tubing assembly and 2 fittings
	1	Panel-bowl back
	1	Grille
	1	Trap 1-1/4" IPS
	1	Package of two each: grille attachment, attachment clips, clip nuts, #10 sheet metal screws and 6-32 screws
	4	5/16 -18 retainer nuts
	4	5/16 – 18 x 1 hex head screws

## INSTALLATION PROCEDURE

### GENERAL NOTES:

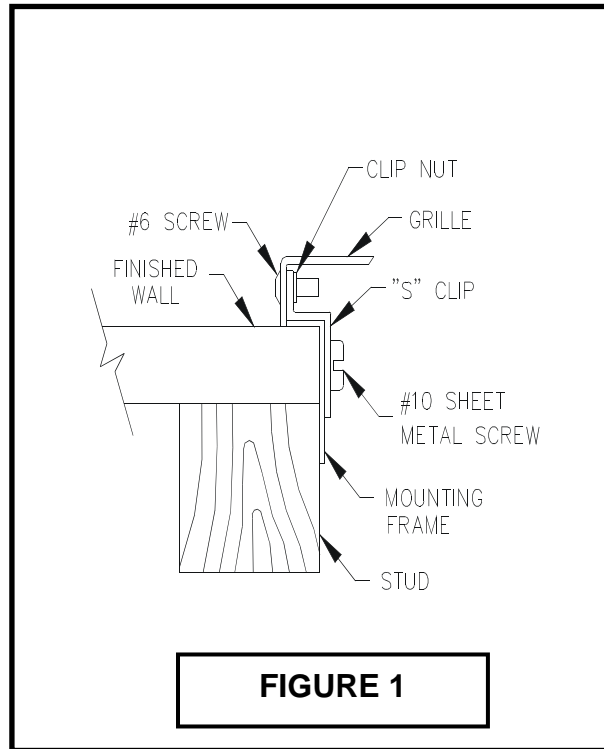
The Model H1107.8 Water Cooler assembly requires installation of the mounting frame as described in Steps 1 - 2, then mounting the fountain bowl assembly as described in Steps 3 - 6, and finally completing chiller water and electrical connections and starting chiller per Steps 7 - 11. First check that all required parts are received.

**Grounding may cause electrical feedback into the electric drinking fountain causing an electrolysis, which creates a metallic taste or an increase in the metal content of the water. This condition can be avoided by using dielectric couplings in the assembly. The waste line, which is supplied by the installer, should also have a dielectric (plastic) coupling to completely isolate the assembly from the building plumbing system.**

**For all plastic push-in type fitting connections; push tubing into fitting until it bottoms out to ensure a watertight connection. To remove, depress collet and pull tubing out.**

## INSTALLATION PROCEDURE ...

- Step 1:** Provide wall opening as detailed in Installation Drawing. Frame must be positioned such that frame flanges overlap and butt against finished wall surface. Mounting holes are provided for #6 sheet metal screws. After frame is positioned in wall, swing chiller support tray into position (See Installation Drawing), align tray holes with holes in frame and fasten with #10 sheet metal screws. Mounted frame must support 50-pound chiller in addition to fountain weight and user generated forces.
- Step 2:** Install waste, supply and electrical lines in locations shown in Installation Drawing. Waste and supply lines may be installed for either rear or side entry. Verify proper waste, supply, electrical and frame locations. Use level to verify horizontal and vertical frame mounting to insure proper bowl drainage.
- Step 3:** Installation Drawing shows fountain bowl, back panel and grille locations. Unpack bowl and remove bottom plate using 5/64" hex-allen wrench. Install back panel on frame with narrower edge to bottom. Position nut retainers into mounting frame. Install bowl/bracket assembly onto panel using four 5/16-18x1 hex head screws hand tightened.
- Step 4:** Remove 1-1/4" IPS outlet elbow from trap as supplied. Install elbow inside frame onto waste stub-outs.
- Step 5:** Assemble waste trap onto bowl strainer using seal washer provided and tighten nut hand tight.
- Step 6:** See Figure 1 for detail section view of side screw grille attachment. Unpack grille and insert upper lip behind bottom of back panel, align sides and hold up flush to bottom of back panel. Hold grille against wall and mark centers of grille side slots on wall. Masking tape may be used to prevent finished wall damage from mark. Install the "s" clips in mounting frame using #10 sheet metal screws into pre-drilled holes on lower end of each side of frame. Tighten #10 screw while holding "s" clips centered on wall marks. Check grille fit by installing grille and partially tightening #6-32 socket head screws through side of grille. Ensure proper panel and grille alignment, then tighten the four 5/16-18x1 hex head screws.
- Step 7:** Unpack and remove chiller from carton. Remove front panel screws and panel. Do not remove insulating putty and foam from copper tubes or Styrofoam insulation from evaporator coil. Remove any inner packing, which may be around compressor. If applicable, remove junction box cover and electrical knock out on lower right side of housing. Install fittings (supplied) on chiller inlet and outlet tubes (see Installation Drawing).
- Step 8:** Thoroughly flush supply line to remove all foreign matter. Remove the grille and connect the 1/2" IPS supply screwdriver stop (not supplied) to stub-out in wall. Place chiller on chiller support tray against right hand side, fully to rear, with condenser (open panel) side facing to front., Install supply 3/8" O.D. tubing (not supplied) between screwdriver stop and chiller inlet. (Cut tubing to proper length, and follow general notes for proper connection procedures for push-in type fittings). Tubing insulation is not normally required on inlet side of chiller. Install insulated tube between fountain and chiller outlet. Open screwdriver stop **wide open** while checking for leaks at all connections. Also check waste for leaks.



## INSTALLATION PROCEDURE...

- Step 9:** Adjust bubbler stream height using a small flathead screwdriver inserted through a hole in the center of the push button for increased flow turn clockwise and for decreased flow turn counterclockwise. If flow problems arise, see troubleshooting guide for additional instructions to correct problem. Bubbler stream may lower during short break-in period. Set initial stream height a little high to minimize or eliminate the need for break-in period readjustment.
- Step 10:** Verify that electrical power is off and power supply voltage, phase and cycle match specifications printed on chiller label. In accordance with local codes, wire directly to incoming lines at internal chiller junction box. Verify that all of the inner packing is removed and hand rotate fan blade to verify free rotation. Reattach the chiller front panel. Turn power on and verify that the chiller cycles off after water reaches proper temperature. Finally check for leaks.
- Step 11:** Install grille and tighten outer side screws. Verify there is chilled water out of bubbler.

## MAINTENANCE

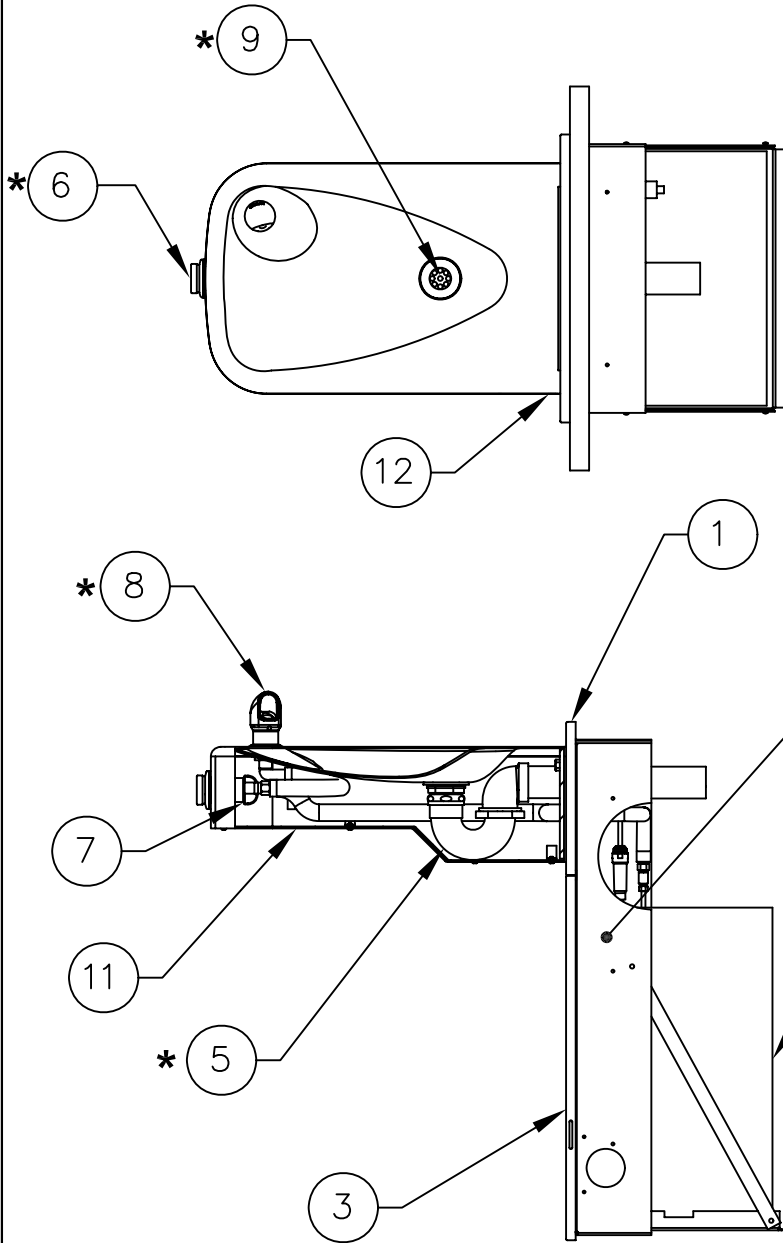
- Step 1:** Periodically clean the strainer located inside the valve body. Refer to 5874 Valve body for more information.
- Step 2:** The condenser fins on chiller should be periodically cleaned with a brush, an air hose or a vacuum cleaner. Care should be taken not to bend or deform the condenser fins.

## MAINTENANCE...

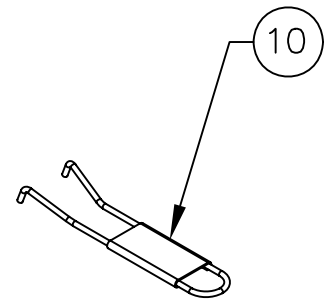
**Step 3:** The chiller temperature control is factory set for 50 ° F water under normal conditions. For colder water, adjust the control clockwise. For warmer water, turn counterclockwise. Remove front chiller panel for access to temperature control. After adjustment allow unit to cycle off before checking outlet water temperature.

TROUBLESHOOTING	
PROBLEM	REPAIR CHECKLIST
1. Insufficient bubbler flow.	<ul style="list-style-type: none"><li>1a. Check that inlet screwdriver stop valve is in wide-open position.</li><li>b. Verify minimum 30 psi flowing supply pressure.</li><li>c. Clean strainer. See 5874 Valve Manual.</li><li>d. Adjust valve to increase flow. Use front adjust screw or see 5874 Valve Manual.</li></ul>
2. Water too warm or cold.	<ul style="list-style-type: none"><li>a. Adjust chiller temperature control, clockwise for colder water.</li></ul>

# PARTS BREAKDOWN



ITEM	DESCRIPTION
1	BACK PANEL SMALL 0004023600
2	MOUNTING FRAME MTGFR.7
3	GRILLE 1107L P/N 0002626550
4	REMOTE CHILLER HCR8
*	5 TRAP ANTIMICROBIAL 0005982901
*	6 BUTTON ANTIMICROBIAL PBA6A
7	VALVE 5874
*	8 HEAD ANTIMICROBIAL 5703MA
*	9 STRAINER ANTIMICROBIAL 6462A
10	SPANNER WRENCH P/N 0006983506
11	BOTTOM PLATE P/N 0004449315
12	LABEL ANTIMICROBIAL 0003419795



## NOTE:

1. ASTERISK (\*) DENOTES PARTS WITH AN ANTIMICROBIAL COATING.

**WHEN ORDERING PARTS PLEASE SPECIFY YOUR MODEL NUMBER**



**Haws**  
corporation

1455 KLEPPE LANE  
SPARKS, NEVADA

BACHWEG 3  
CH3401 BURGSDORF  
SWITZERLAND

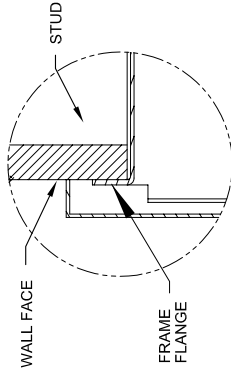
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DRAWING TYPE: PARTS BREAKDOWN			DRAWING NUMBER: 15270A00	
				REV. 4



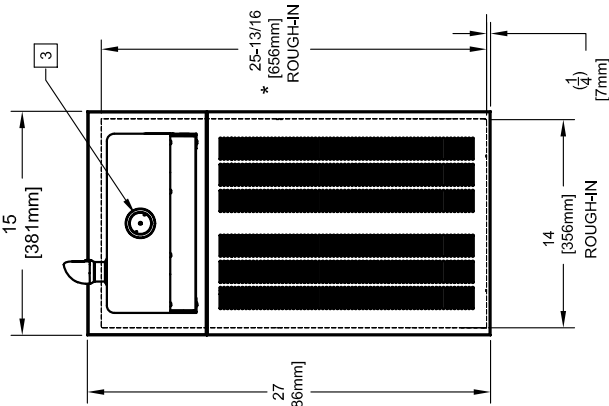
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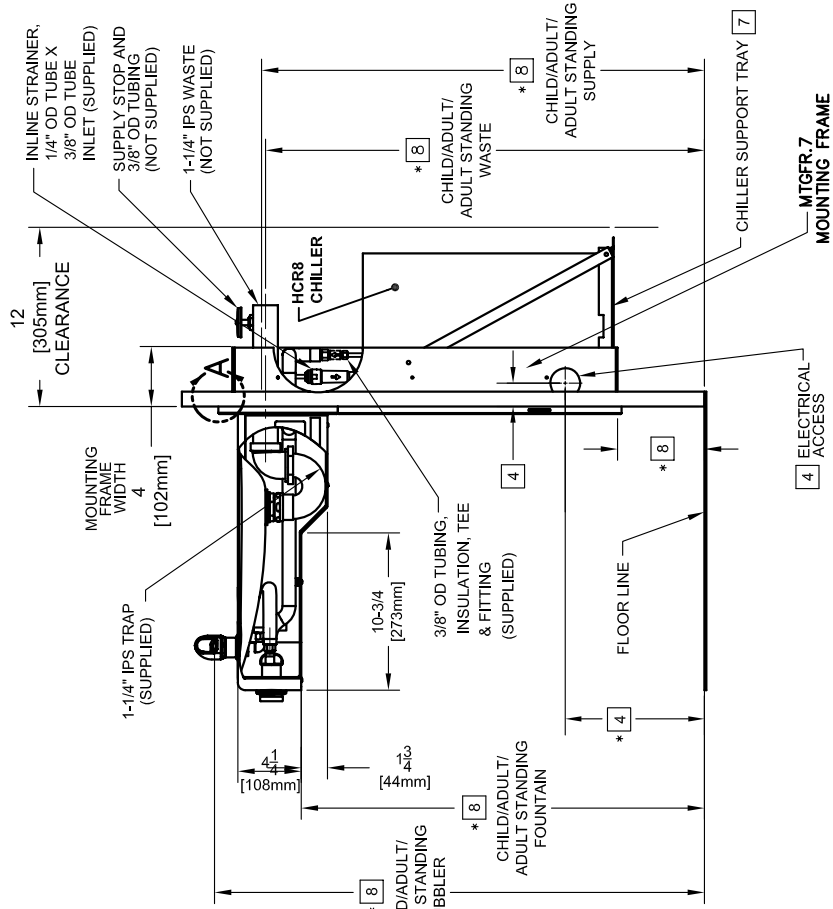
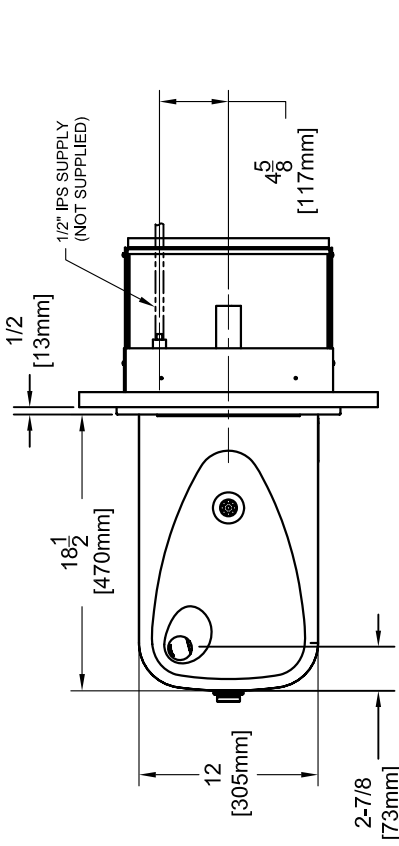
IMPORTANT: MOUNTING FRAME MUST BE INSTALLED AGAINST FINISHED WALL FACE.



DETAIL A



BOWL MOUNTING DETAIL



**Haws Corporation**

INFO FAX : 1-888-FAX-HAWS (1-888-329-4297)  
 1455 Kleppe Ln, Sparks NV, 89431  
 Phone: 775-359-4712 Fax: 775-359-7424  
 Haws Ag, Bachweg 3, CH-3401 Burgdorf Switzerland  
 Haws Mtg Pte Ltd 74 Sungai Kadut Loop Singapore 729531  
 e-mail: Haws@hawsco.com website: www.hawsco.com

REV	ISSUED FOR	DATE	APPROVED
3817	ECN-4181		
02	08	02	21
MODEL(S):			H1107.8
DRAWN:			INFO FAX DOC # 2411078
DATE:			SCALE: 1:1
APPROVED:			TRAINING TYPE: INSTALLATION/FEEDBACK
DATE:			SIZE: A
DATE:			SHEET 1 OF 1