



INSTALLATION, OPERATION & MAINTENANCE INSTRUCTIONS

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E-mail: haws@hawsco.com ♦ website: www.hawsco.com

No. 0510001207 (1)

Model H1117.8HO/H1117.8HO2 Water Cooler

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

Haws electric water coolers are not designed or recommended for outdoor or corrosive environments such as enclosed chlorinated pool areas.

Consideration must be made at the time of installation to adhere to state and/or local codes and environmental/atmospheric conditions such as, but not limited to, dust, corrosion, freezing etc. These conditions will void the warranty.

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 the date of shipment**. The foregoing notwithstanding, HAWS warrants certain specific products or components thereof for an adjusted period. A list of these excepted products and components and a description of their respective warranty terms may be found here: www.hawsco.com/warranty. 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 a 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 shall not be liable for the cost of repairs, alterations or replacements, or the labor required to implement them, or for any expense connected therewith made by the owner or owner's agents, except upon written authority from HAWS. HAWS shall 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 express 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, incidental, or consequential damages claimed to arise under the contract of sale.

Equipment 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. Any HAWS emergency equipment is intended to supplement first-aid treatment. Due to widely varying conditions, HAWS cannot guarantee that the use of this emergency equipment will prevent serious injury or the aggravation of existing or prior injuries.

EXCEPT AS EXPRESSLY STATED HEREIN, HAWS HEREBY DISCLAIMS ALL WARRANTIES, WHETHER EXPRESS OR IMPLIED, ARISING BY LAW OR OTHERWISE, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY MAY NOT BE MODIFIED OR EXTENDED WITHOUT THE WRITTEN CONSENT OF HAWS. REMEDIES AND REPLACEMENTS STATED HEREIN ARE EXCLUSIVE. IN NO EVENT SHALL HAWS BE LIABLE FOR ANY SPECIAL, PUNITIVE, CONSEQUENTIAL OR INCIDENTAL DAMAGES TO ANY PERSON INCLUDING BUT NOT LIMITED TO DAMAGES FOR LOSS OF USE OR PROFITS, SUBSTITUTE PRODUCTS OR COSTS, PROPERTY DAMAGE, OR OTHER MONETARY LOSS.

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

TECHNICAL SUPPORT: 1-800-766-5612
FOR CUSTOMER SERVICE: 1-888-640-4297

RECOMMENDED TOOLS: Hack saw, pipe joint sealant, screwdriver, level, 12" adjustable wrench, 10" pipe wrench, 3/32" and 5/32 " hex key wrench, 9/16", 1/2", 7/16" socket wrench or open-end wrench.

LOCATION OF UNIT: The Model H1117.8HO/H1117.8HO2 Cooler is a wheelchair accessible drinking 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 outlet is 1-1/4" female 1-1/4" NPT.

ELECTRICAL CONNECTIONS:

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

Sensor(s):

H1117.8HO with 1RKHO.H: 100-277VAC x 9VDC, 50-60Hz, 5 Watts.

H1117.8HO2 with 2RKHO.H: 100-277VAC x 9VDC, 50-60Hz, 5 Watts.

MAINTENANCE: Periodically clean strainers (One is inside push button valve on Model H1117.8HO (refer to 5874 Series Valve Manual for details) & other is on inlet side of chiller).

PARTS LIST

MODEL PACKAGE	QUANTITY	ITEMS INCLUDED
MTGFR.17	1	Mounting Frame (Required – Sold Separately)
	3	#10 Sheet Metal Screws
HCR8	1	Chiller
H1117.8HO/H1117.8HO2	1 or 2	Bowl Assembly with sensor (One on H1117.8HO & two on H1117.8HO2)
	1	Bowl Assembly with push button valve (one on model H1117.8HO only)
	1	Package supply tubing with strainer
	3	Panel Bowl Back (1 LG. & 2 SM.)
	1	Grille
	1	Package of two each-grille attachment clips, clip nuts, #10 sheet metal screws and 6-32 screws
	2	Trap 1-1/4" NPT Outlet
	8	5/16 -18 retainer nuts
8	5/16 – 18 x 1-1/2 hex head screws	

INSTALLATION PROCEDURE

GENERAL NOTES:

The Model H1117.8HO/H1117.8HO2 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 – 13. 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.

NOTES:

1. For all plastic push-in type fitting connections, only connect NSF-61 copper or plastic tubing. Stainless steel or glass tubing is not recommended. The following assembly instructions must be followed to ensure a watertight connection:
 - a. Cut tubing square and clean.
 - b. Mark from end of tube the length of insertion (See table below).
 - c. Push tube into the fitting until it bottoms out.
 - d. To remove, depress collet and pull tubing out.

Tube Sizes	O.D. Tolerance	Insertion Depth
1/4"	±.005"	11/16"
3/8"	±.005"	3/4"

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.

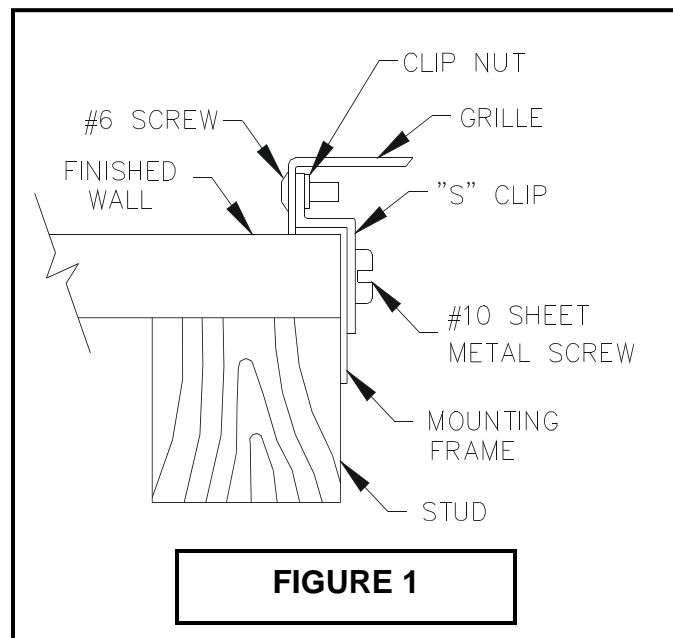
STEP 2: Install waste, supply and electrical lines in locations shown in Installation Drawing. Waste and supply lines may be installed for either rear or side entry. Verify proper waste, supply, electrical and frame locations. Use level to verify horizontal and vertical frame mounting to insure proper bowl drainage.

STEP 3: Installation Drawing shows fountain bowls, back panel and grille locations. Unpack bowls and remove bottom plates using 5/64" hex allen wrench. Install large back panel on frame with narrower edge to bottom. Position nut retainers into mounting frame and use two 5/16-18x1-1/2" hex head screws partially started in outside holes to support panel. Install small back panel with holes toward the top for the standing adult height and holes toward the bottom for the Adult ADA and the Child fountain heights. Install bowl/bracket assemblies onto panel using eight 5/16-18x 1-1/2" hex head screws hand tightened.

STEP 4: Remove 1-1/4" NPT outlet elbows from traps as supplied. Install elbows inside frame onto waste stub-outs.

INSTALLATION PROCEDURE...

- STEP 5:** Assemble waste traps onto bowl strainers using seal washers provided and tighten nut hand tight.
- STEP 6:** See Figure 1 (below) 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 #6-23 socket head screws through side of grille. Ensure proper panel and grille alignment, then tighten eight 5/16-18x1-1/2" 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).



INSTALLATION PROCEDURE ...

- STEP 8:** Thoroughly flush supply line to remove all foreign matter. Connect 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 Y-Strainer, observing flow direction arrow on strainer, on the chiller inlet tube. Install supply 3/8" O.D. tubing (not supplied), between screwdriver-stop and Y-strainer on the 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. Cut tubing and insulation as required and connect solenoid inlet(s) and push button valve inlet (if applicable) to outlets of push to connect tee (supplied). Install 1/4" push to connect reducer (supplied) onto outlet of chiller and insert reducer into remaining leg of 3/8" tee. Open screwdriver-stop **wide open** while checking for leaks at all connections. Also, check waste for leaks.
- STEP 9:** **Model H1011.8HO (only): 5874 Series Valve** - Adjust bubbler stream height using a small flat-head 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.
- Model H1011.8HO/H1011.8HO2: 5867 Valve Pressure Regulator** – Adjust bubbler stream height using the black pressure regulator mounted inside bracket that has Hands Off (HO) sensor unit, by loosening the locknut and rotating the knob clockwise to increase flow or counterclockwise to reduce flow. Tighten the locknut and check flow height. Repeat these steps until the bubbler flow height is correct.
- 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 inner packing is removed and hand rotate fan blade to verify free rotation. Reattach chiller front panel. Turn power on and verify that chiller cycles after water reaches proper temperature. Finally, check fountain for leaks.
- STEP 11:** **1RKHO.H or 2RHKO.H Series Transformer and Sensor Setup: Refer to the RKHO Series manual for instructions (supplied).**
- STEP 12:** Verify the chiller turns off after water reaches proper temperature. If there are any problems, refer to Sensor/Solenoid Troubleshooting Guide section of the RKHO Series manual.
- STEP 13:** Install grille and tighten outer side screws. Verify there is chilled water out of bubbler.

MAINTENANCE

- STEP 1:** Periodically clean the strainer located in the push button valve body on Model H1117.8HO (Refer to 5874 Series Valve Manual for more information) and on chiller.
- STEP 2:** The condenser fins on chiller should be periodically cleaned with a brush, air hose or vacuum cleaner. Care should be taken not to bend or deform the condenser fins.

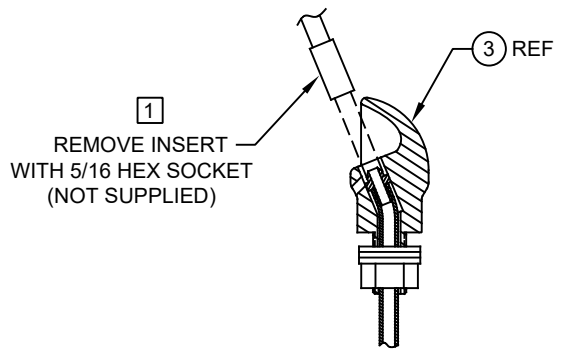
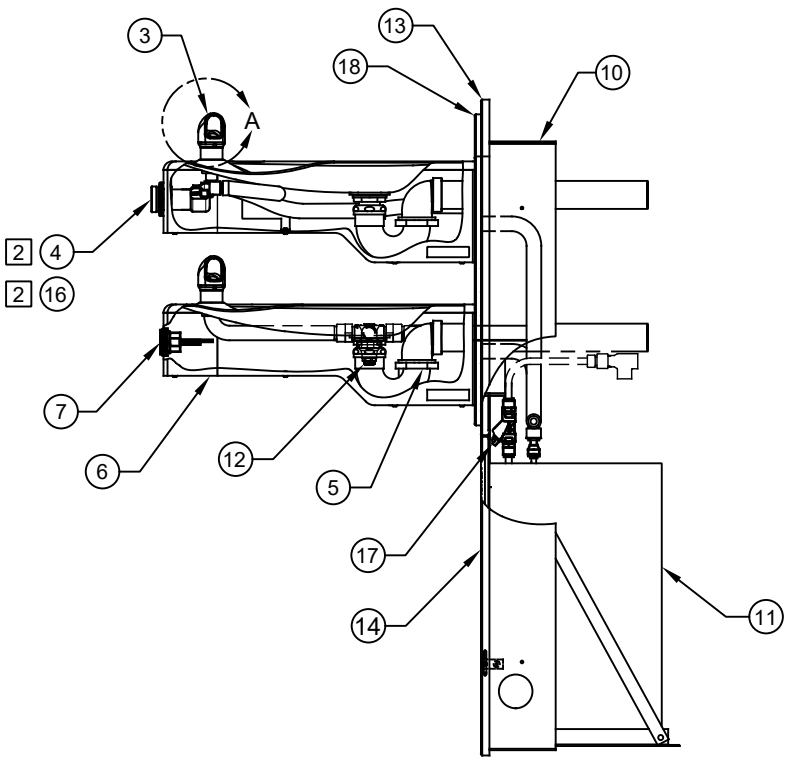
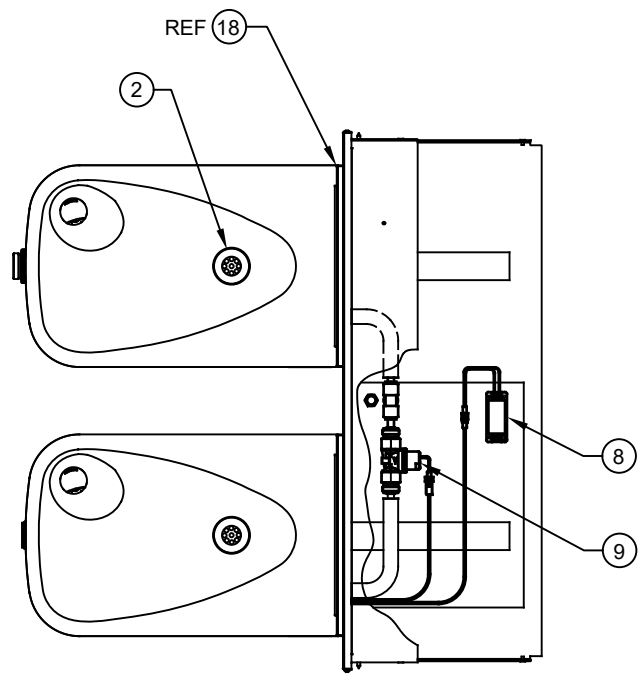
STEP 3: The chiller temperature control is factory set for 50° F water under normal conditions. For colder water, adjust control clockwise. For warmer water, turn counterclockwise. Remove front chiller panel for access to temperature control. After adjustment allow unit to cycle off before checking outlet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

5874 Series VALVE TROUBLESHOOTING (Model H1117.8HO Only)	
PROBLEM	REPAIR CHECKLIST
1. Insufficient bubbler flow.	1a. Check that inlet screwdriver stop valve is in wide-open position. b. Verify minimum 30 psi flowing supply pressure. c. Clean strainer. See 5874 Series Valve Manual. d. Adjust valve to increase flow. Use front adjust screw or see 5874 Series Valve Manual.
2. Water too warm or cold.	a. Adjust chiller temperature control, clockwise for colder water.

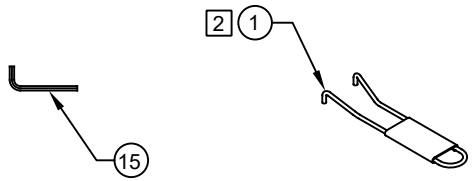
For more information about Haws products, see our website: www.hawSCO.com

ITEM	DESCRIPTION	PART NO.		
2	1	SPANNER WRENCH	0006983506	
	2	STRAINER ASSY	6462	
	3	BUBBLER HEAD	5703M	
2	4	BUTTON, PUSH, FLANGED, ASSY	PBA6	
	5	TRAP LOW PROFILE	0005982900	
	6	BOTTOM PLATE	0004449315	
	7	SENSOR	VRKHO6	
	8	TRANSFORMER	VRKHO8	
	9	SOLENOID VALVE	VRKHO5	
	**	10	MOUNTING FRAME	MTGFR.17
		11	CHILLER	HCR8
		12	PRESSURE REGULATOR	5867
	13	BACK PANEL	0004023590	
	14	GRILLE	0002626600	
	15	KEY HEX F/PINNED HEX	0002981127	
2	16	VALVE REPAIR KIT	VRK5874	
	17	Y-STRAINER	6433	
	18	BACK PANEL SMALL	0004023587	

** REQUIRED - SOLD SEPARATELY



DETAIL A
ROTATED 90° INTO VIEW



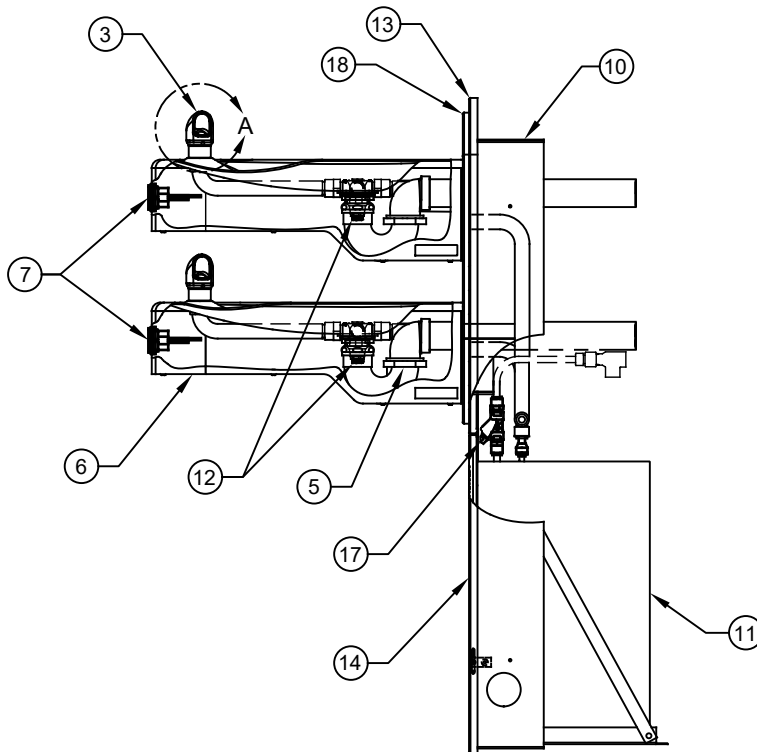
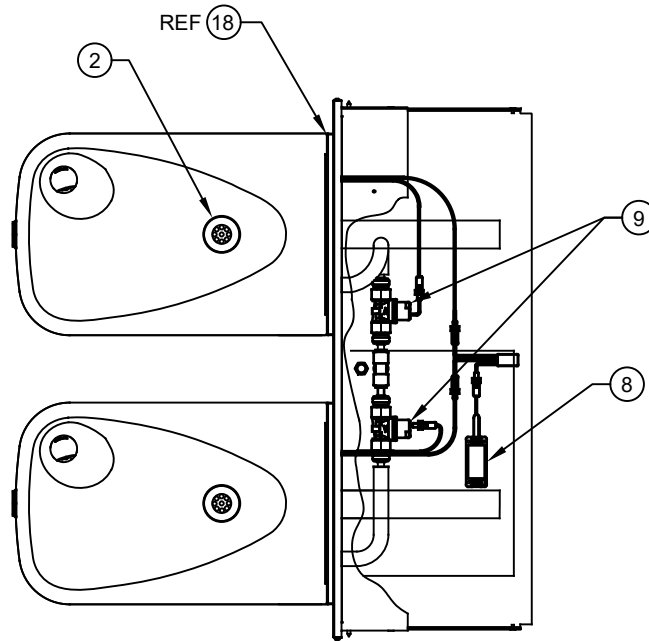
NOTES

- [1] ENSURE TUBE IS DISCONNECTED FROM PUSH BUTTON VALVE BODY PRIOR TO REMOVAL. APPLY ONE DROP OF LOCTITE 222MS TO NOZZLE THREADS PRIOR TO FASTENING BACK ONTO BUBBLER HEAD. RE-ATTACH TUBE TO VALVE.
- [2] ITEMS 1, 4 AND 16 ARE ONLY USED ON MODEL H1117.8HO.

H1117.8HO SHOWN
H1117.8HO2 ON SHEET 2
PARTS BREAKDOWN

WHEN ORDERING PARTS PLEASE SPECIFY MODEL NUMBER.


		Haws [®]		1455 KLEPPE LANE SPARKS, NEVADA 89431 (775) 359-4712 FAX (775) 359-7424 E-MAIL: HAWS@HAWSCO.COM WEBSITE: WWW.HAWSCO.COM	
				ECN NO. 5706 DRAWN FV APPROVED FV	REVISED PER ECN: 5706 DATE 06/28/21 DATE 06/28/21
SCALE: NA		DRAWING TYPE: PARTS BREAKDOWN		SIZE: A SHEET 1 OF 2	



H1117.8HO2 SHOWN
H1117.8HO ON SHEET 1

PARTS BREAKDOWN

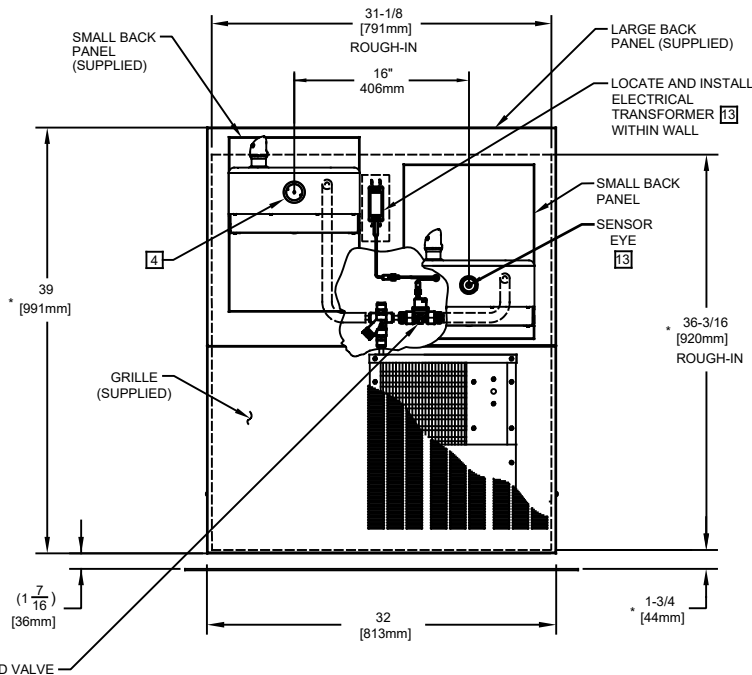
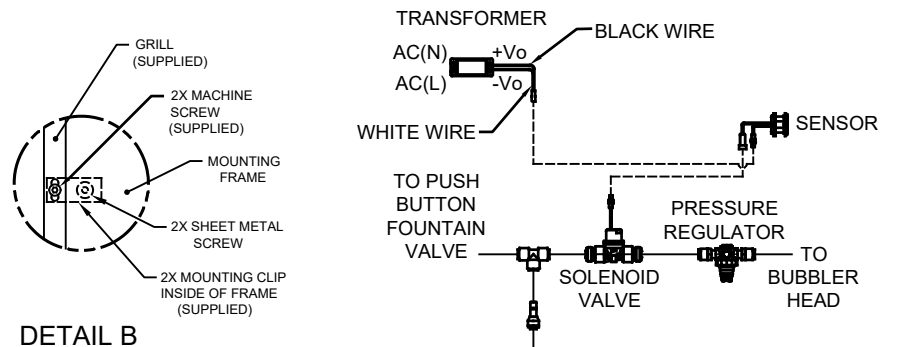
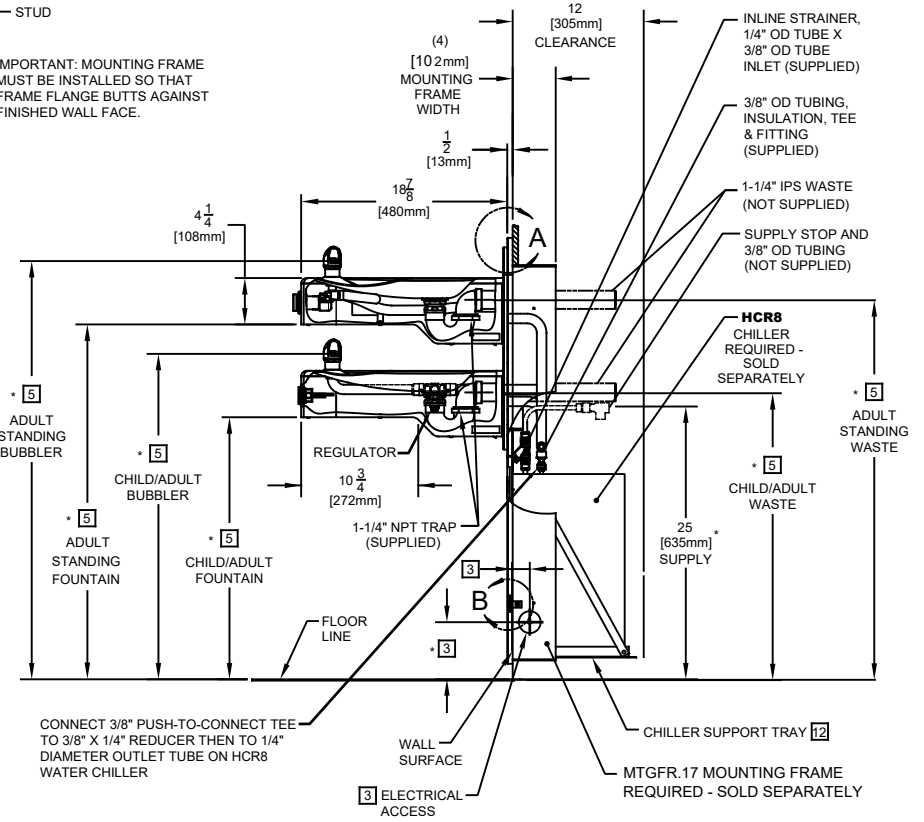
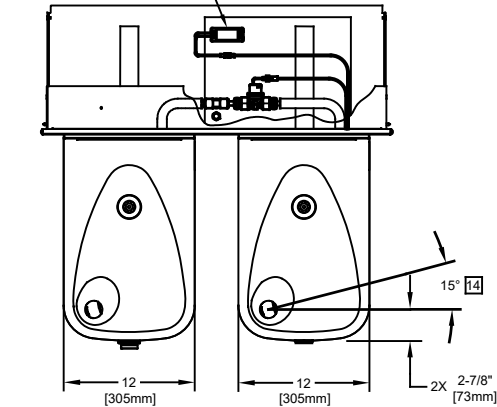
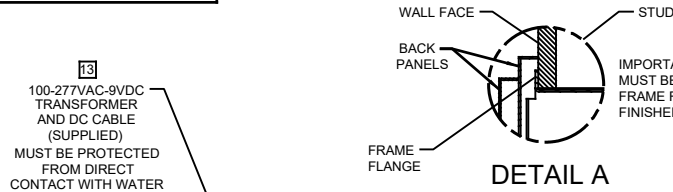
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		Haws [®]		1455 KLEPPE LANE SPARKS, NEVADA 89431 (775) 359-4712 FAX (775) 359-7424 E-MAIL: HAWS@HAWS.CO.COM WEBSITE: WWW.HAWS.CO.COM	
				ECN NO. 5706 ECN: 5706 DRAWN FV DATE 06/28/21 CHKD DP	REVISED PER FV DATE 06/28/21 CHKD DP
APPROVED FV		DATE 06/28/21		SCALE: NA	DRAWING TYPE: PARTS BREAKDOWN
				SIZE: A	SHEET 2 OF 2

NOTES:

- HOLD ROUGH-IN DIMENSIONS ± 1/8" (3.2mm)
- WHEN INSTALLING THIS UNIT, LOCAL, STATE, OR FEDERAL CODES SHOULD BE ADHERED TO. FOR INSTALLATION DIMENSIONS (LOCATIONS), WASTE AND SUPPLY REQUIREMENTS OTHER THAN SHOWN, DIMENSIONS MARKED (*) MUST BE ADJUSTED ACCORDINGLY.
- REFER TO MTGFR.17 INSTALLATION DRAWING FOR FRAME ROUGH-IN DIMENSIONS.
- REFER TO 5874 SERIES OPERATION AND MAINTENANCE MANUAL FOR PUSH BUTTON AND VALVE INSTALLATION/MAINTENANCE INSTRUCTIONS.
- ROUGH-IN DIMENSIONS FOR FOUNTAIN HEIGHTS:
 - CHILD WHEELCHAIR HEIGHT: SEE SHEET 3 FIG 1
WASTE: 26-1/4" (667mm)
FOUNTAIN: 24" (610mm)
BUBBLER: 29-7/8" (756mm)
 - ADULT WHEELCHAIR HEIGHT: SEE SHEET 3 FIG 2
WASTE: 29-1/4" (743mm)
FOUNTAIN: 27" (686mm)
BUBBLER: 32-7/8" (832mm)
 - ADULT STANDING HEIGHT: SEE SHEET 3 FIG 3
WASTE: 34-3/4" (883mm)
FOUNTAIN: 32-1/2" (826mm)
BUBBLER: 39-3/8" (972mm)
- REFER TO MODEL H1117.8HO/H1117.8HO2 INSTALLATION DRAWING SHEET 3 OF 3 (ON HAWS WEBSITE WWW.HAWSCO.COM) FOR PERMISSIBLE BOWL MOUNTING PATTERNS. TWO WHEELCHAIR HEIGHT FOUNTAINS CANNOT BE MOUNTED SIDE BY SIDE PER ANSI A117.1

NOTES CONTINUED ON SHEET 3 OF 3



MODEL H1117.8HO SHOWN

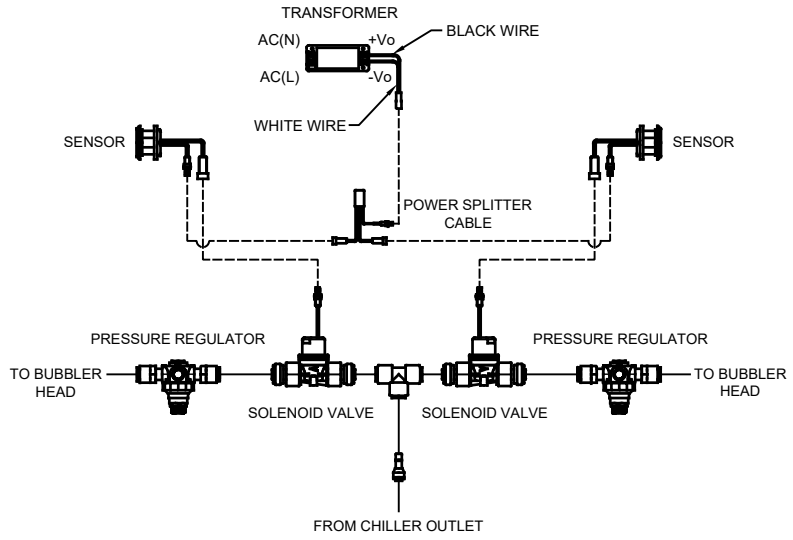
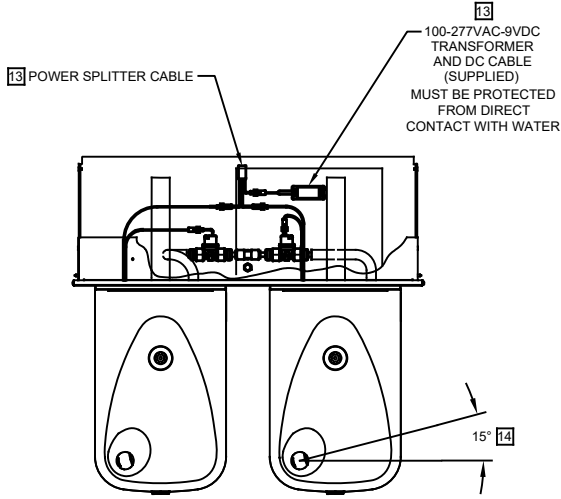
MODEL H1117.8HO2 ON SHEET 2

(ROUGH-IN DIMENSIONS APPLY TO BOTH MODELS WITH EXCEPTIONS NOTED ON SHEET 2)

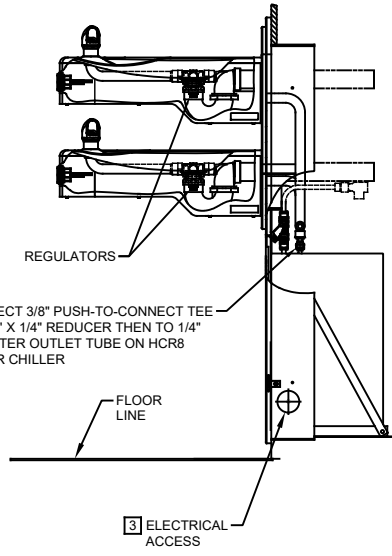
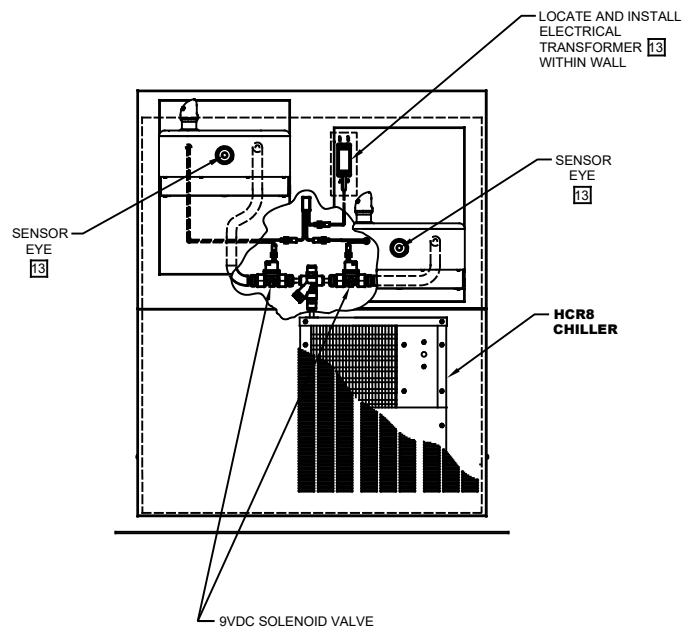
FROM CHILLER OUTLET
SENSOR WIRING / SUPPLY PLUMBING SCHEMATIC

1455 KLEPPE LANE
SPARKS, NEVADA 89431
(775) 359-4712 FAX (775) 359-7424
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WEBSITE: WWW.HAWSCO.COM

ECN NO. 5706	REVISED PER ECN: 5706	BY: FV	MODEL(S)	PART NUMBER
DRAWN: FV	DATE: 06/28/21	CHKD: DP	H1117.8HO/H1117.8HO2	0510001207.D
APPROVED: FV	DATE: 06/28/21		SCALE: NA	REVISION 1
		DRAWING TYPE: INSTALLATION	SIZE: A	SHEET 1 OF 3



SENSOR WIRING / SUPPLY PLUMBING SCHEMATIC

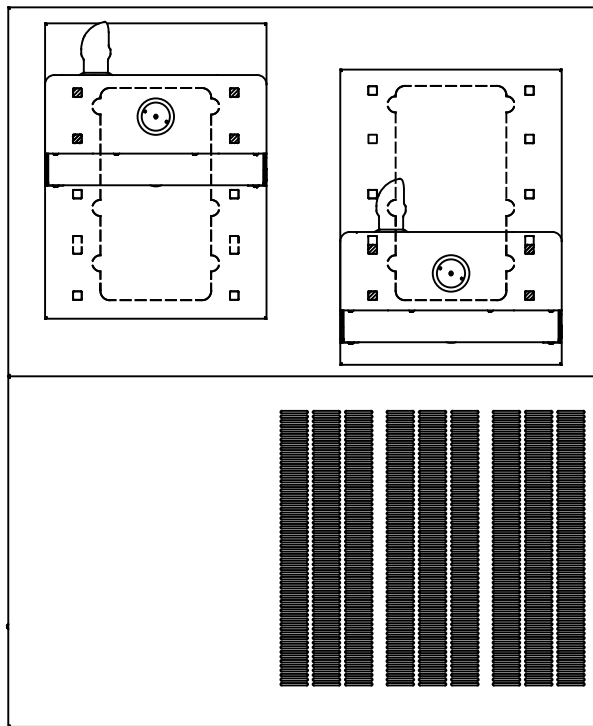
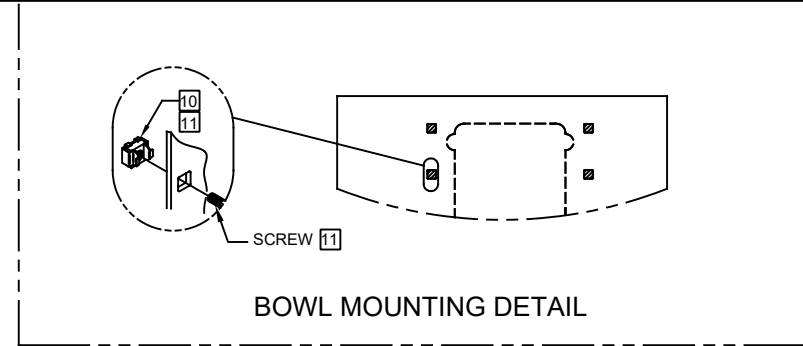


MODEL H1117.8HO2 SHOWN
 MODEL H1117.8HO ON SHEET 1
 (SEE SHEET 1 FOR APPLICABLE ROUGH-IN DIMENSIONS)

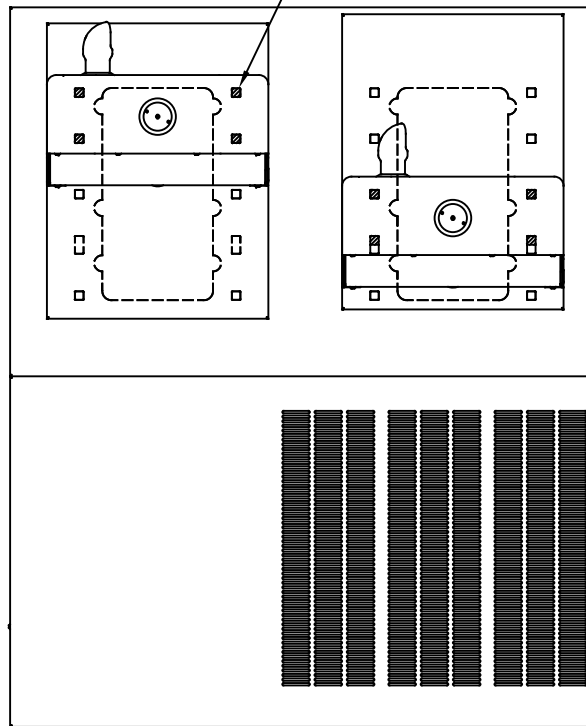
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		ECN NO. 5706 DRAWN: FV APPROVED: FV	REVISED PER: FV DATE: 06/28/21 DATE: 06/28/21
PART NUMBER 0510001207		REVISION 1	
SCALE: NA	DRAWING TYPE: INSTALLATION	SIZE: A	SHEET 2 OF 3

NOTES:

- [7] FIGURES 1 AND 2 ARE REVERSIBLE. CAN BE RIGHT OR LEFT SIDE HIGH.
- [8] USE SHADED HOLES TO MOUNT BOWLS AT INDICATED POSITIONS BASED ON COMBINATION SELECTED (FIGS. 1 THRU 3).
- 9. REFER TO SHEET 1 OF 3 NOTE 5. FOR INSTALLED FOUNTAIN DIMENSIONS.
- [10] INSERT 5/16"-18 PANEL NUT RETAINERS FROM OPPOSITE SIDE AT LOCATIONS SELECTED (SHOWN BY DARKENED HOLES). HOLE COMBINATION SHOWN (INSET) IS FOR REF. ONLY
- [11] TO CHANGE FOUNTAIN MTG. SCREW LOCATIONS: FIRST REMOVE SCREWS AND THEN SQUEEZE CLIPS ON NUT RETAINER TO POP OUT. SNAP INTO NEW POSITIONS AND RE-ASSEMBLE SCREWS.
- [12] ALIGN HOLES IN CHILLER SUPPORT TRAY WITH HOLES IN FRAME AND FASTEN WITH #10 SHEETMETAL SCREWS.
- [13] REFER TO 1RKHO.H & 2RKHO.H OPERATION AND MAINTENANCE INSTRUCTIONS FOR TRANSFORMER AND SENSOR SETUP.
- [14] MAXIMUM ADJUSTABLE RANGE IS 15° FROM PARALLEL TO BACK OF WALL.



[7] FIGURE 1.
ADULT STANDING/CHILD WHEELCHAIR



[7] FIGURE 2.
ADULT STANDING/ADULT WHEELCHAIR

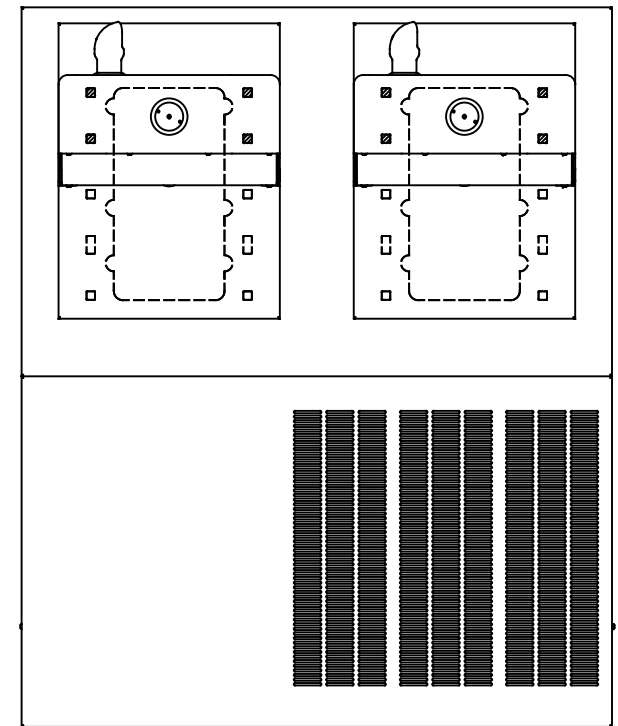


FIGURE 3.
ADULT STANDING/ADULT STANDING

BOWL MOUNTING PATTERNS

1455 KLEPPE LANE
SPARKS, NEVADA 89431
(775) 359-4712 FAX (775) 359-7424
E-MAIL: HAWS@HAWS.CO.COM
WEBSITE: WWW.HAWS.CO.COM

ECN NO. 5706	REVISED PER ECN: 5706	BY: FV	MODEL(S)	PART NUMBER
DRAWN: FV	DATE: 06/28/21	CHKD.: DP	H1117.8HO/H1117.8HO2	0510001207
APPROVED: FV	DATE: 06/28/21		SCALE: N/A	REVISION 1
		DRAWING TYPE:	INSTALLATION	SIZE: A
				SHEET 3 OF 3