



INSTALLATION, OPERATION & MAINTENANCE INSTRUCTIONS

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No. 0002080250 (33)

Model 1011.8HO2 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 1011.8HO2 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" O.D. tube.

ELECTRICAL CONNECTIONS:

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

Sensor(s):

1011.8HO2 with 2RKHO.H: 100-277VAC x 9VDC, 50-60Hz, 5 Watts.

MAINTENANCE: Periodically clean strainer (on inlet side of chiller).

PARTS LIST

MODEL PACKAGE	QUANTITY	ITEMS INCLUDED
MTGFR.LG	1	Mounting Frame (Required – Sold Separately)
	3	#10 Sheet Metal Screws
HCR8	1	Chiller
1011.8HO2	2	Bowl Assembly with sensor
	1	Package supply tubing with strainer
	1	Panel Bowl Back
	1	Grille
	1	Package of two each-grille attachment clips, clip nuts, #10 sheet metal screws and 6-32 screws
	2	Waste elbow 1-1/4" O.D.
	8	5/16 -18 retainer nuts
	8	5/16 – 18 x 1 hex head screws

INSTALLATION PROCEDURE

GENERAL NOTES:

The Model 1011.8HO2 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"
1/2"	±.005"	7/8"

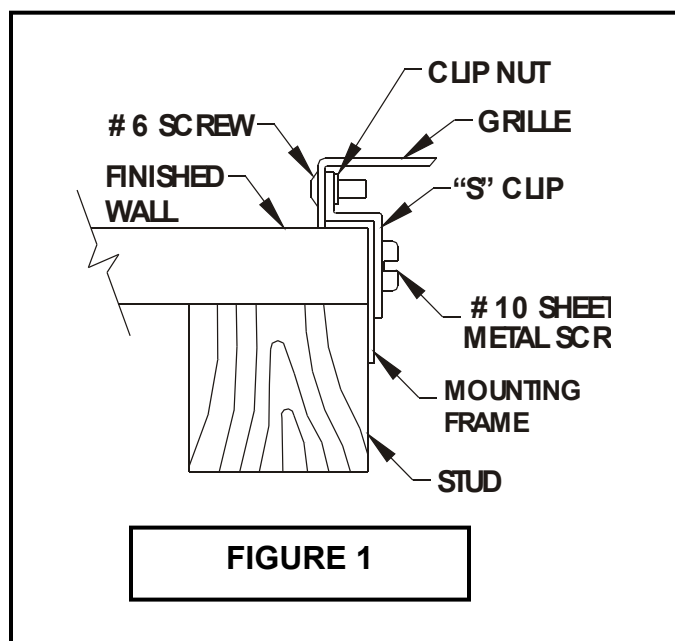
STEP 1: Provide wall opening as detailed in installation Drawing. Frame must be positioned such that frame flanges overlap and butt against finished wall surface. Mounting holes are provided for #6 sheet metal screws. After the frame is positioned in wall, swing chiller support tray into position (See 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 3/32" hex allen wrench. Install back panel on frame with narrower edge to bottom. Position nut retainers into mounting frame and use two 5/16-18x1 hex head screws partially started in outside holes to support panel. Install bowl/bracket assembly onto panel using eight 5/16-18x1 hex head screws hand tightened. See sheet 2 of Installation Drawing for appropriate bowl mounting pattern to use for this model.

INSTALLATION PROCEDURE...

- STEP 4:** Remove 1-1/2" IPS outlet elbow from traps (not supplied). Install elbow inside frame onto waste stub-outs. Reassemble trap "U" bends with inlets centered behind fountains.
- STEP 5:** Remove slip joint nuts from bottom of fountain waste outlet. Assemble nut over 1-1/4" O.D. end of waste elbow as supplied by Haws. Assemble waste elbow onto bowl waste body using seal washer provided and tighten nut hand tight. Measure vertical distance down to trap inlet and cut the vertical (not supplied) elbow to length allowing 1/2" minimum for engagement into trap. Mark and similarly cut to length the horizontal waste elbow. Install elbow and tighten all the slip joint nuts.
- 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 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 copper 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:** 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.

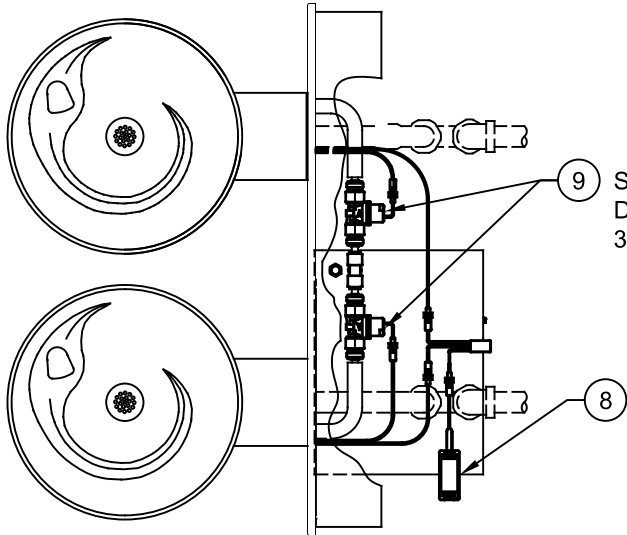
MAINTENANCE

- STEP 1:** Periodically clean the strainer located on chiller.
- STEP 2:** The condenser fins on chiller should be periodically cleaned with 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.

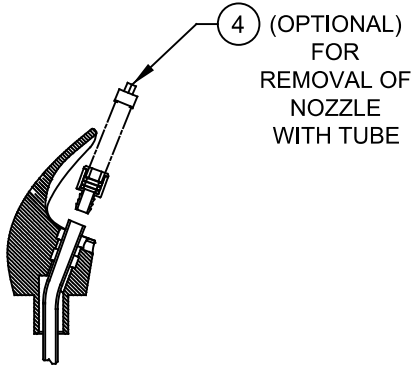
For more information about Haws products, see our website: www.hawesco.com

ITEM	DESCRIPTION	PART NO.
1	GRILLE	0002626651
2	STRAINER ASSY	6463
3	BUBBLER HEAD W/ INSERT	5705
4	DRIVER, NOZZLE .25 HEX	0002082253
5	Y-STRAINER	6433
6	ACCESS PLATE	PBM1000
7	SENSOR	VRKHO6
8	TRANSFORMER	VRKHO8
9	SOLENOID VALVE (NO CONNECTORS)	VRKHO5
10	MOUNTING FRAME	MTGFR.LG
11	CHILLER, REMOTE	HCR8
12	PRESSURE REGULATOR	5867
13	BACK PANEL	0004012000

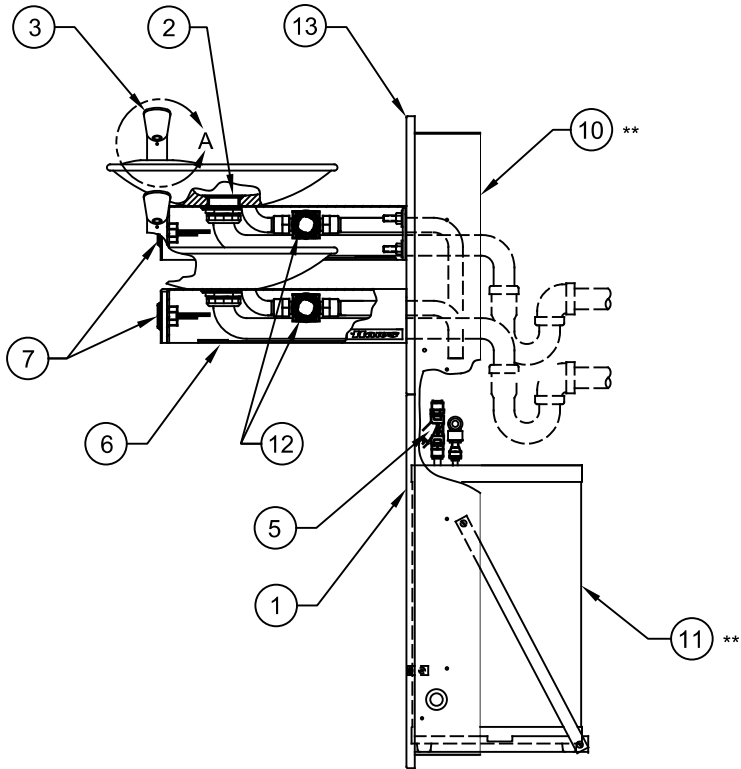
** REQUIRED - SOLD SEPARATELY



9 SOLENOID VALVE (ONLY)
DOES NOT INCLUDE
3/8" PUSH-IN CONNECTORS



4 (OPTIONAL)
FOR
REMOVAL OF
NOZZLE
WITH TUBE



(TUBING CONNECTS TO
INSERT ASSY)

DETAIL A
ROTATED 90° INTO VIEW

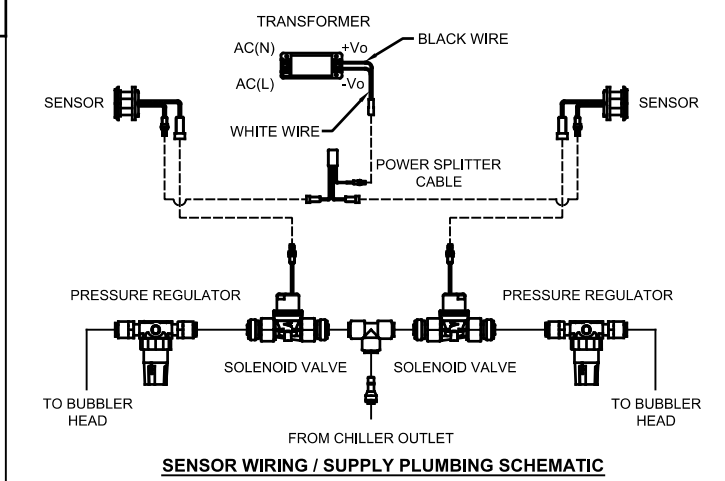
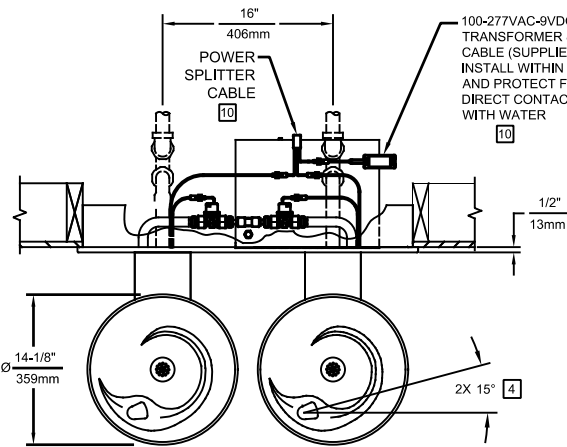
PARTS BREAKDOWN

WHEN ORDERING PARTS PLEASE SPECIFY MODEL NUMBER.



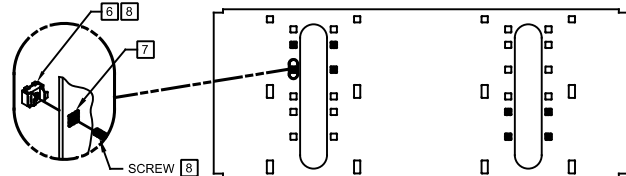
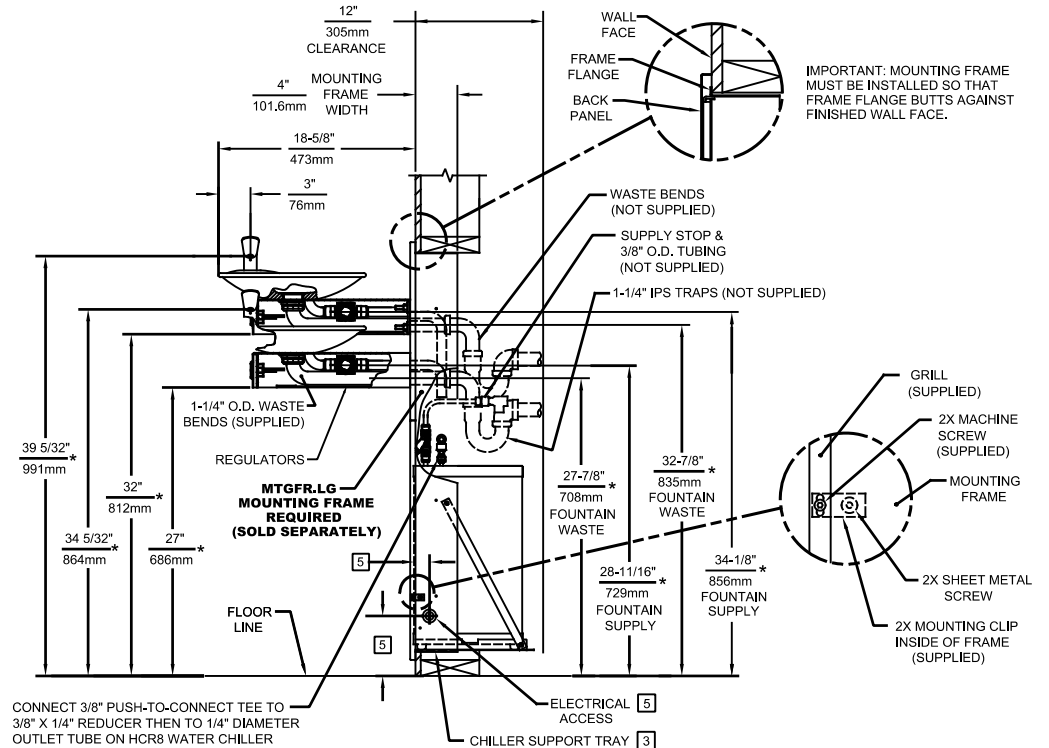
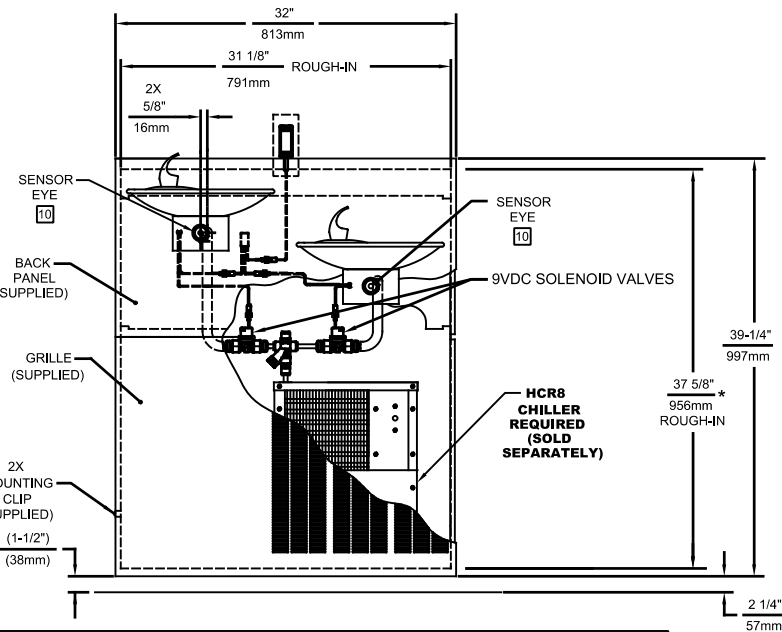
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E-MAIL: HAWS@HAWS.CO.COM
WEBSITE: WWW.HAWS.CO.COM

ECN NO.	REVISED PER	BY	MODEL(S)	PART NUMBER
DRAWN	DATE	CHKD	1011.8HO2	0002080250
APPROVED	DATE			REVISION
FV	02/11/25		SCALE: NA	33
			DRAWING TYPE: PARTS BREAKDOWN	SIZE: A SHEET 1 OF 1



NOTES:

1. HOLD ROUGH-IN DIMENSIONS $\pm 1/8"$ (3.2mm).
2. 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.
3. ALIGN HOLES IN CHILLER SUPPORT TRAY WITH HOLES IN FRAME AND FASTEN WITH #10 SHEETMETAL SCREWS.
4. MAXIMUM ADJUSTABLE RANGE IS 15" FROM PARALLEL TO BACK WALL.
5. REFER TO MTGFR.LG INSTALLATION DRAWING FOR ROUGH-IN DIMENSIONS.
6. INSERT 5/16"-18 PANEL INSERTS FROM OPPOSITE SIDE AT LOCATIONS SHOWN BY DARKENED HOLES. HOLE COMBINATIONS SHOWN ARE FOR USE WITH LOW FOUNTAIN ON THE RIGHT AND HI FOUNTAIN ON THE LEFT. USE OPPOSITE HOLES FOR HI ON RIGHT AND LOW ON LEFT.
7. HOLE COMBINATION SHOWN BELOW IS FOR USE WITH LOW FOUNTAIN ON THE RIGHT AND HIGH FOUNTAIN ON THE LEFT. USE OPPOSITE HOLES FOR HIGH ON RIGHT AND LOW ON LEFT.
8. 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.
9. IMPORTANT: A L.H. LOW (OPTIONAL) CONFIGURATION WILL REQUIRE A DIFFERENT BACK PANEL AND THE WASTE AND SUPPLY DIMENSIONS SHOWN (*) MUST BE REVERSED.
10. REFER TO 1RKHO.H & 2RKHO.H OPERATION AND MAINTENANCE INSTRUCTIONS FOR TRANSFORMER AND SENSOR SETUP.



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ECN NO.	REVISED PER BY:	MODEL(S)	PART NUMBER
ECN: 6148	JG	1011.8HO2	0002080250.D
DRAWN: RTM	DATE: 07/97	CHK'D: JG	REVISION
APPROVED: FV	DATE: 02/11/25	SCALE: 1:1	DRAWING TYPE: INSTALLATION
			SIZE: A SHEET 1 OF 1