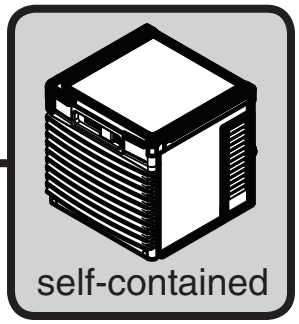
Horizon Elite™ Ice Machine Models with RIDE™ Technology
Installation Instructions for Cornelius PR150

HCD710APS, HCC1010APS, HCC1410APS, HCC1010WPS, HCC1410WPS,
(See model number configurator on page 2 for details.)



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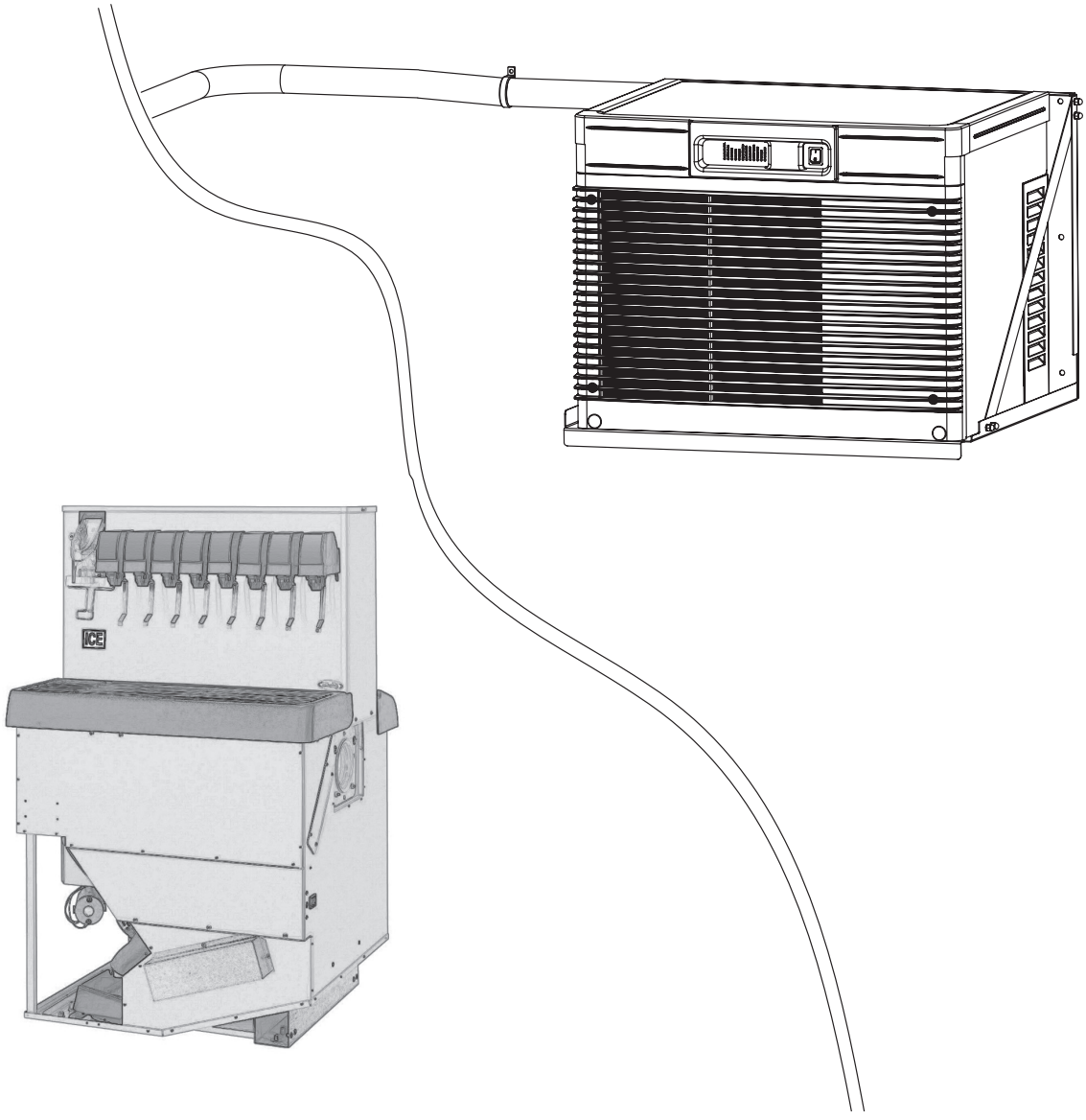

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Chewblet® Ice Machine Model Number Configurations

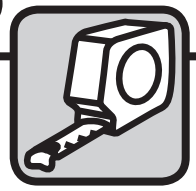
HC D 1810 A V S

Icemaker	Voltage	Series	Condenser	Application	Configuration
MC Maestro™ Chewblet® (425 Series) HC Horizon Chewblet (710, 1010, 1410, 1810, 2110 Series) HM Horizon Micro Chewblet	C 208-230/60/1 (icemaking head) *Self-contained only.* D 115/60/1 (icemaking head) *Self-contained and remote. If remote unit, high side is 208-230/60/1.* E 230/50/1 (icemaking head) *Self-contained only.* F 115/60/1 (icemaking head) *Remote only. High side is 208-230/60/3.*	425 up to 425 lbs (193 kg) 710 up to 675 lbs (306 kg) 1010 up to 1061 lbs (482 kg) 1410 up to 1466 lbs (665 kg) 1810 up to 1790 lbs (812 kg) 2110 up to 2039 lbs (925 kg)	A Air-cooled, self-contained W Water-cooled, self-contained R Air-cooled, remote condensing unit N Air-cooled, no condensing unit for connection to parallel rack system	V Vision™ H Harmony™ B Ice storage bin J Drop-in M Ice Manager diverter valve system P Cornelius Profile PR150	S RIDE™ *(RIDE remote ice delivery equipment)* T Top-mount

Read and complete the following 8 installation steps

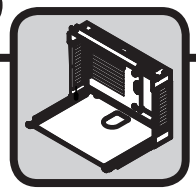
1 Unpack

2 Site preparation

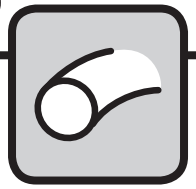


3 Dispenser preparation

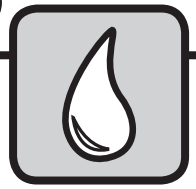
4 Louvered docking assembly



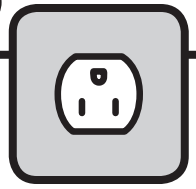
5 Ice transport tube



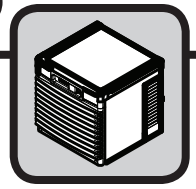
6 External connection



7 Internal connection



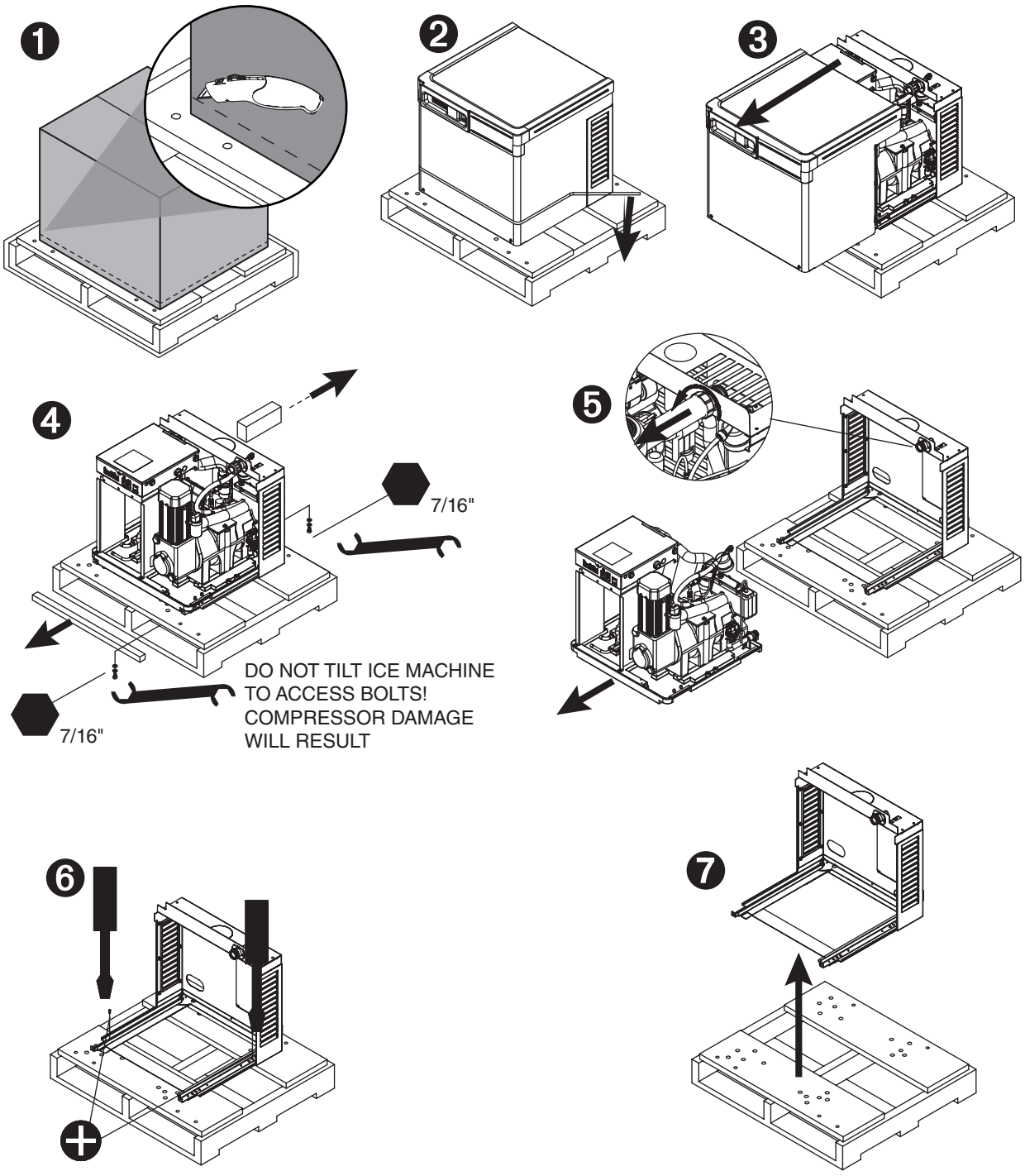
8 Front cover



Unpack 1

Carefully unpack and inspect the contents of your Follett ice machine.

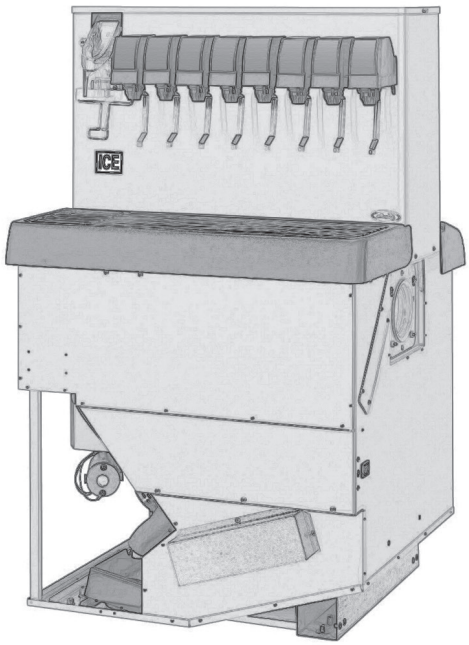
1.1 Unpack ice machine

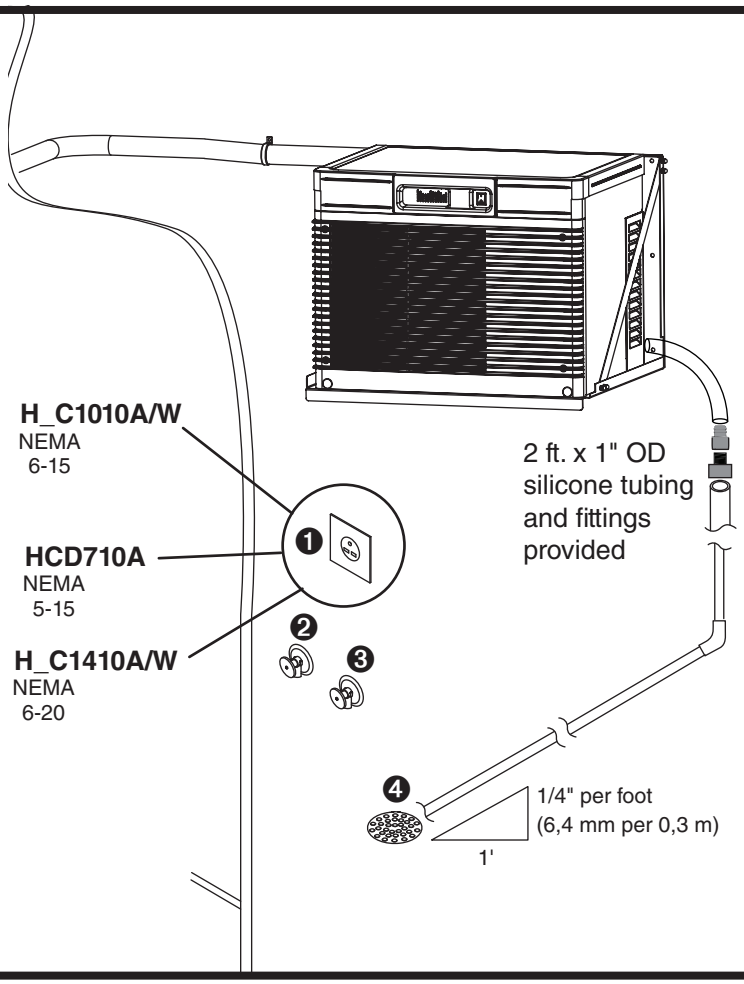


Prepare the installation site.

Provide drainage, water supply and electrical power to within 6 feet (2m) of ice machine in accordance with local and national codes. Outdoor installation is not recommended and will void warranty.

2.1 Installation site requirements





Electrical ❶
- H_C1010/1410(A/W)JS 208-230/60/1-15A
- HCD710APS 115/60/1-15A

Potable water supply ❷ (3/8" push-in internal connection, 3/8" OD tubing required)
- 10-70 psi (69-483kpa)
- 45 to 90 F (7 to 32 C)
- Follett recommends the use of an in-line water filtration system (item# 00130286)
- This equipment is to be installed with adequate backflow protection to comply with applicable federal, state, and local codes

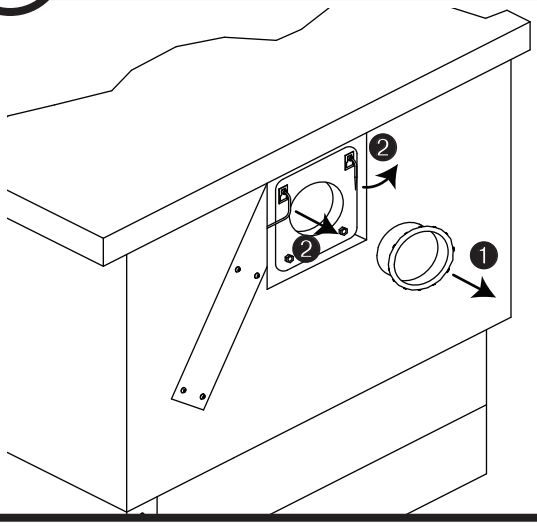
Condenser water supply for water-cooled systems ❸ (1/4" FPT inlet, 1/4" FPT outlet)
- 10 psi min.; 150 psi max. (69kpa min.; 1034kpa max.)
- 45 to 90 F (7 to 32 C)
- 1.5 gallons per minute (5.68 liters per minute)

Drain ❹ (3/4" Barb)
- The drain line from the ice machine must have at least 1/4" per foot pitch (6,4mm/0,3m)

Dispenser preparation 3

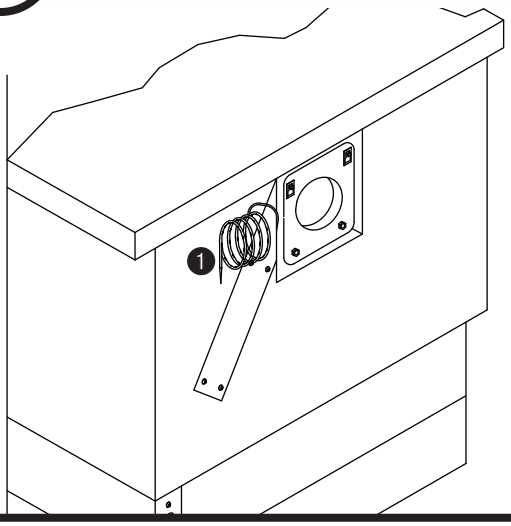
Prepare the dispenser.

3.1



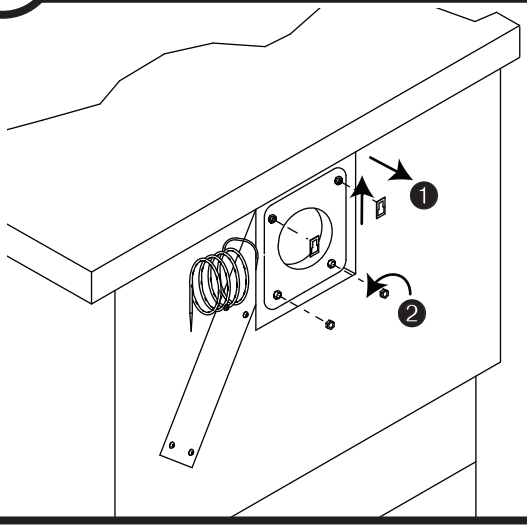
- Remove ice entry cover plate ❶
- Remove bin thermostat capillary tube from bracket ❷

3.2



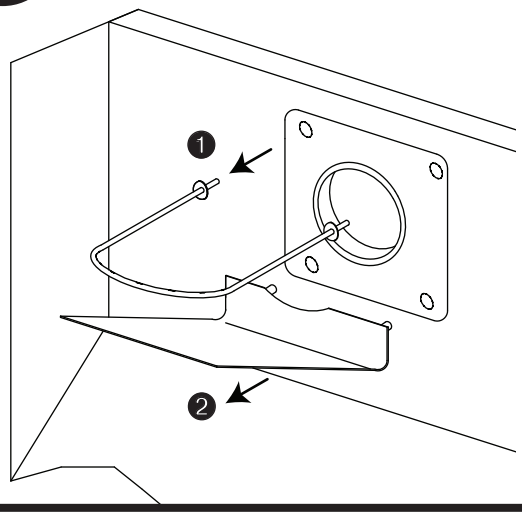
- Coil capillary tube and secure away from bin fill opening ❶

3.3



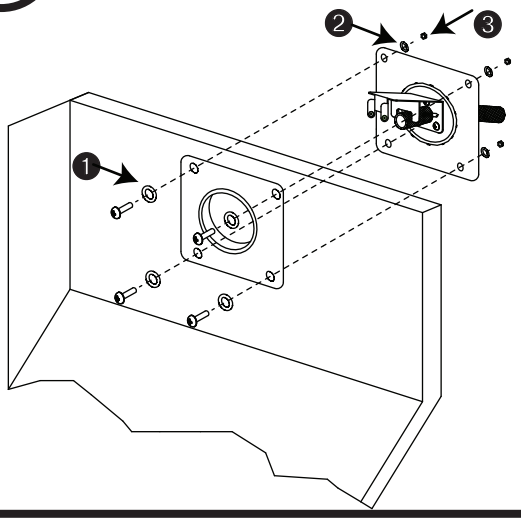
- Remove retaining clips ❶ and deflector nuts ❷

3.4



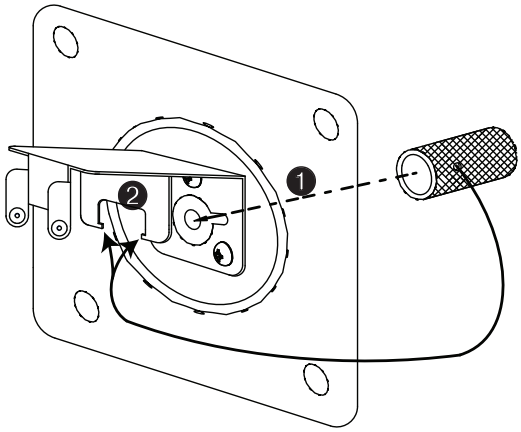
- Remove capillary tube bracket ❶ and deflector **(Fig. 4.2)** from inside ice storage hopper ❷

3.5



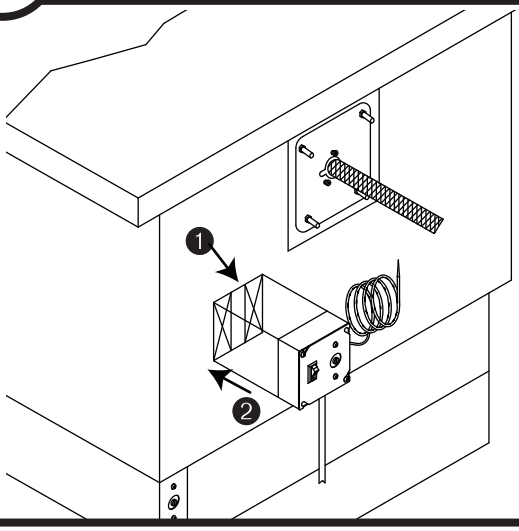
- Mount cover plate/transport tube assembly on outside of dispenser using screws, flat washers ❶, lock washers ❷ and nuts provided ❸

3.6



- Insert end of ice transport tube (with retaining holes) through hole in center of cover plate assembly ❶
- Secure ice transport tube (holes) to retaining tabs on bracket ❷

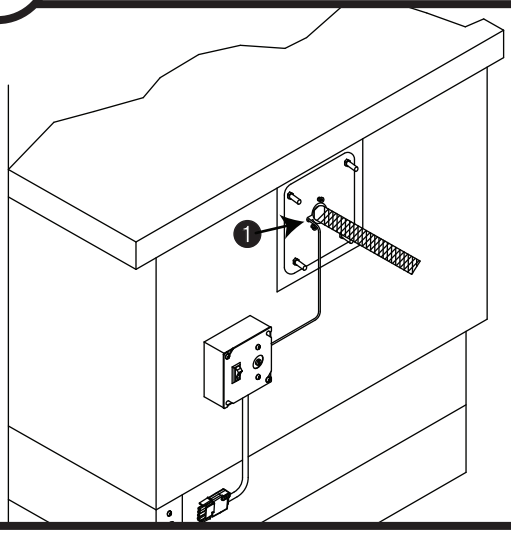
3.7



- Thoroughly clean outer wall of dispenser in area indicated ❶
- Peel backing from adhesive and mount bin thermostat box to dispenser wall ❷

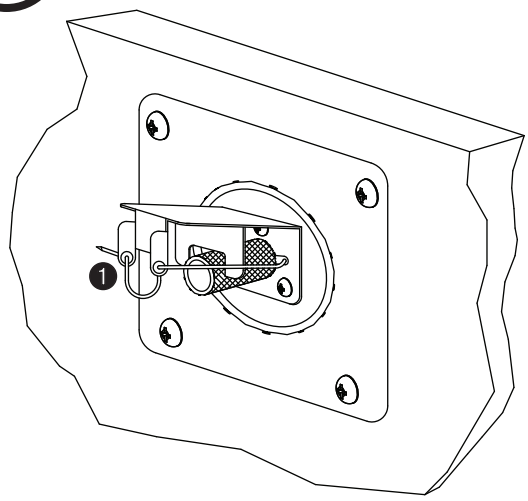
Note: Once adhesive on thermostat box contacts dispenser cabinet it can not be re-positioned.

3.8



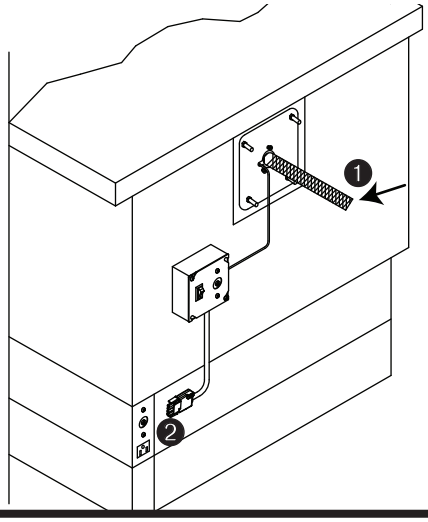
- Insert bin thermostat capillary tube through hole in gasket as indicated ❶

3.9



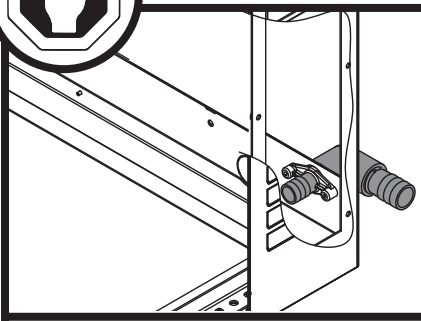
- Route thermostat capillary tube through mounting bracket grommets as shown ❶

3.10



- Insulate entire length of ice transport tube ❶ and route to icemaker in accordance with directions in Horizon installation instructions
- Route bin signal wire to icemaker ❷

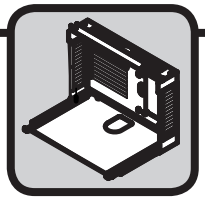
BEFORE PROCEEDING



Prior to installing the louvered docking assembly, ensure that the drain fitting is oriented (right or left) correctly for your installation. An optional straight drain fitting is also supplied. You may need to remove the back panel of the docking assembly in order to re-orient or change the drain fitting. Replace back panel prior to mounting the docking assembly.

Louvered docking assembly 4

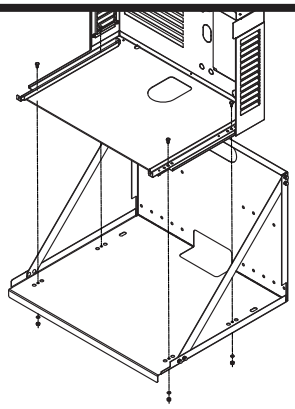
Install the louvered docking assembly.



⚠ WARNING

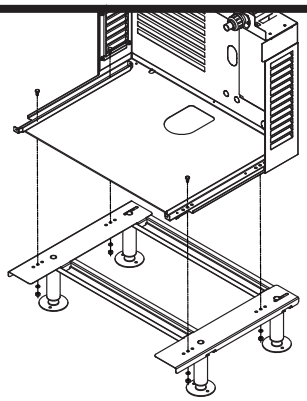
- Docking station must be secured in accordance with these instructions to ensure ice machine stability.
- Ventilation openings in the louvered docking station should be clear of obstruction

Wall bracket accessory



- Mount louvered docking assembly to wall bracket accessory

Machine stand accessory



- Mount louvered docking assembly to machine stand accessory

4.1 Undercounter installation requirements Horizon 1010 & 1410 series

DOCKING STATION

(See detail drawing on page 9)

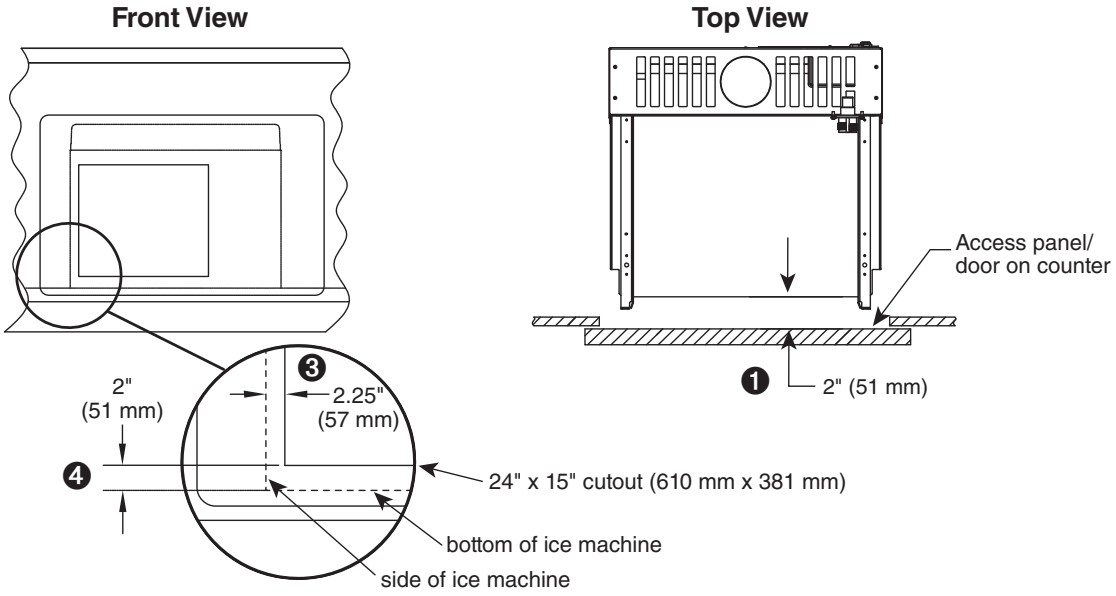
- Prior to installing the louvered docking assembly, ensure that the drain fitting is oriented (right or left) correctly for your installation. An optional straight drain fitting is also supplied. You may need to remove the back panel of the docking assembly in order to re-orient or change the drain fitting. Replace back panel prior to mounting the docking assembly.
- Position and screw louvered docking assembly to the bottom of counter inside of access panel/door 2" (51 mm) from the front edge of the cross brace ❶
- The mounting surface for the louvered docking assembly must be solid. Do not mount directly onto runners or channels.
- There must be no lip or edge that would hinder the ice machine from sliding in or out of the louvered docking station ❷

INTAKE AND EXHAUST GRILLE PLACEMENT: Air-cooled models only

(See detail drawing on page 9)

- Position the intake grille cut out in the access panel/door
  Note: Ice machine must be aligned with cut out and inside of access panel to provide a tight seal and prevent recirculation of hot exhaust air.
- Left edge of cutout should be 2.25" (57 mm) from the left side of the ice machine ❸
- Bottom edge of cutout should be 2" (51 mm) from the bottom of the ice machine ❹
- Position supplied exhaust grille at least 18" (458mm) away from intake grille ❺. Where possible, install exhaust grille to the rear or side of the base cabinet.
- If not using supplied grille, air circulation requirements below must be met: 250 sq. in (1613 sq cm) intake air, 250 sq. in (1613 sq. cm) exhaust air

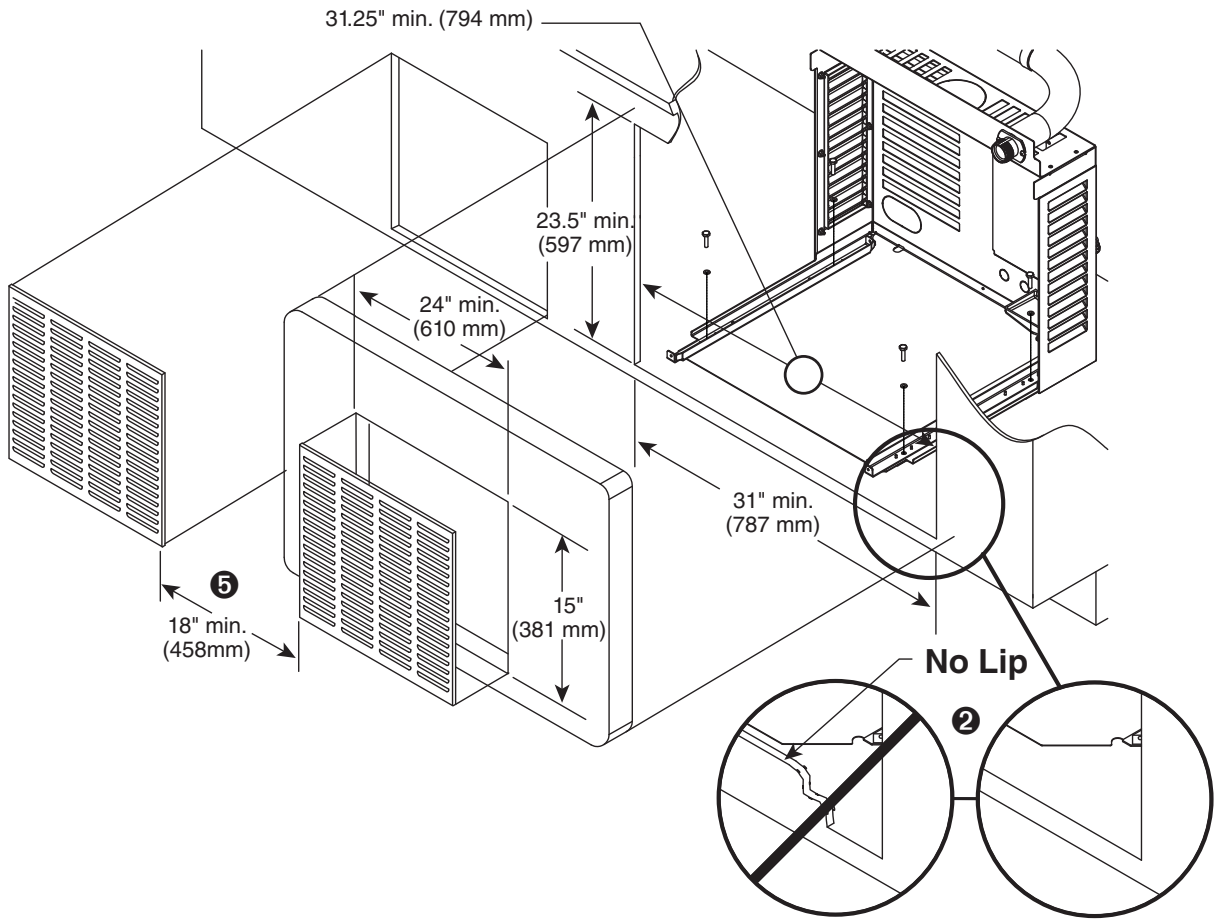
Undercounter installation detail



⚠ CAUTION

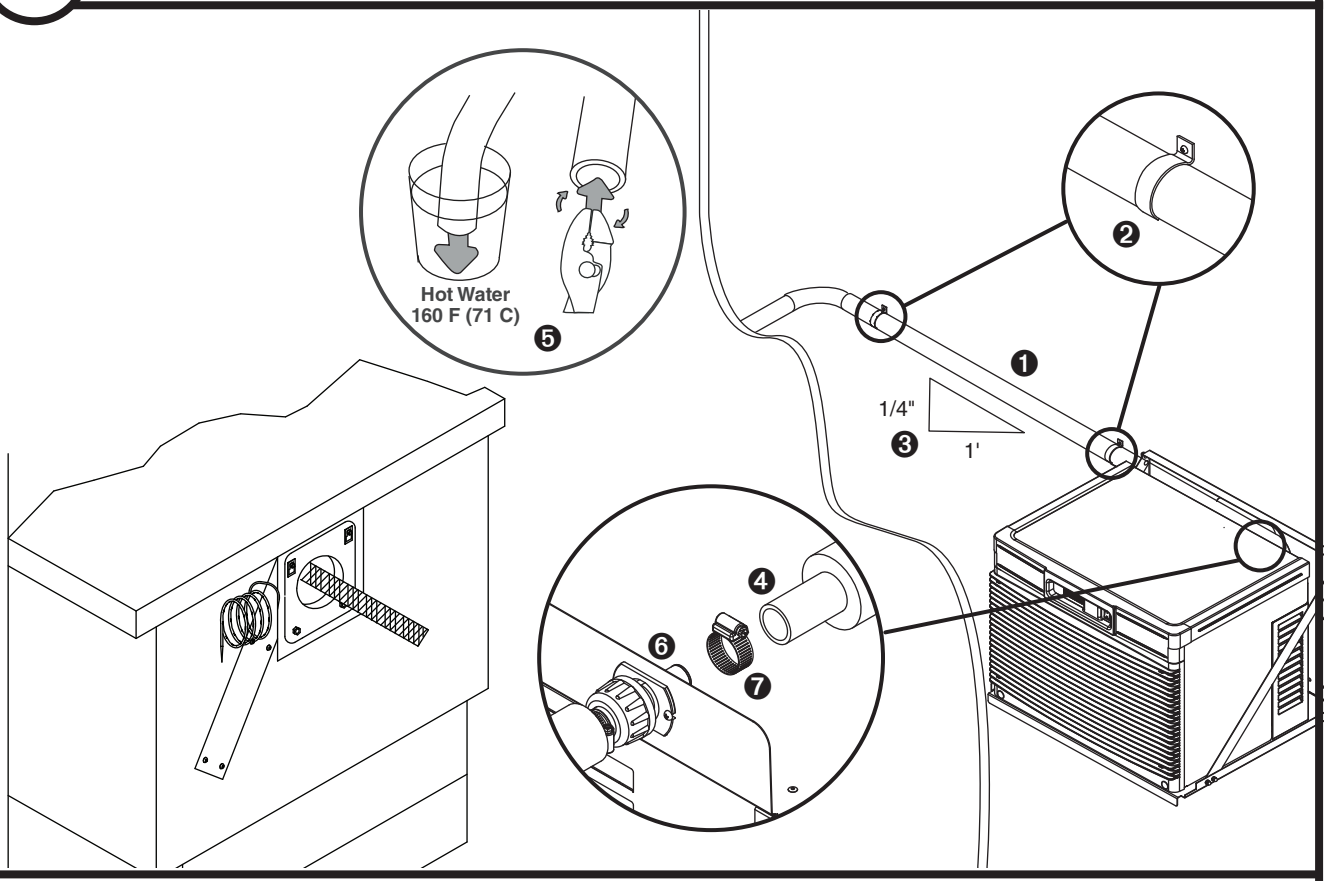
- Keep ventilation openings in the appliance enclosure clear of obstruction.
- To ensure proper ventilation (if not using supplied grille) carefully review air circulation specifications on facing page (4.1)

3D Counter View



Install the ice transport tube.

5.1 Ice transport tube installation.



Ice transport tube tips

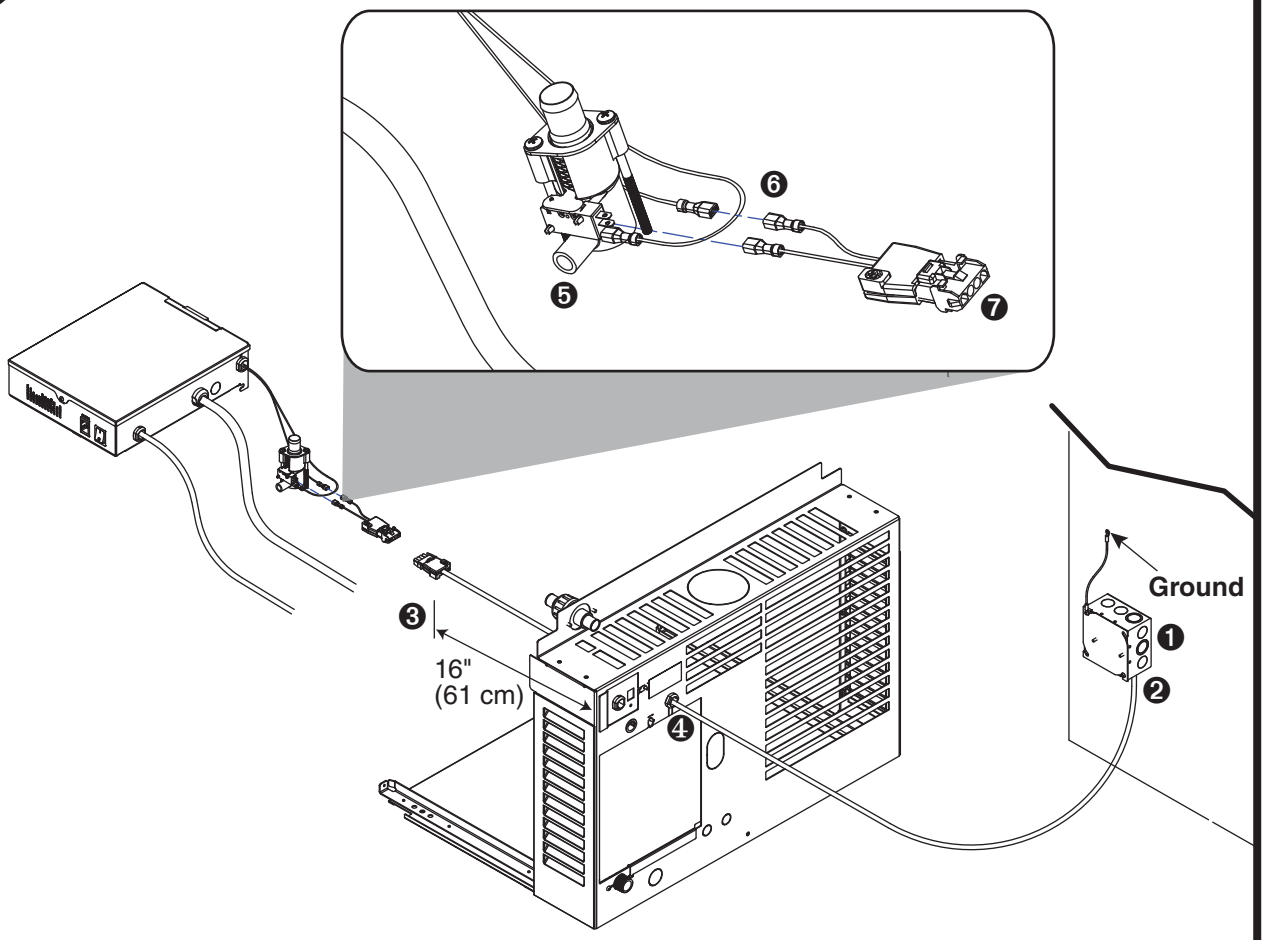
- Insulate entire length of ice transport tube ❶
- Secure ice transport tube ❷ as needed to prevent dips and traps from forming. For long tube runs see guide on page 16.
- Pitch tube at least 1/4" per foot (6,4mm/.3m) ❸
- Ice transport tube must drain towards ice machine

Ice transport tube to Ice machine

- Be sure tube ends are square ❹
- Heat end of transport tube in cup of 160 F (71 C) hot water to soften and spread with pliers ❺ before making connection to ease assembly
- Push ice transport tube onto ice machine nipple ❻
- Install hose clamp ❼

Install the bin signal.

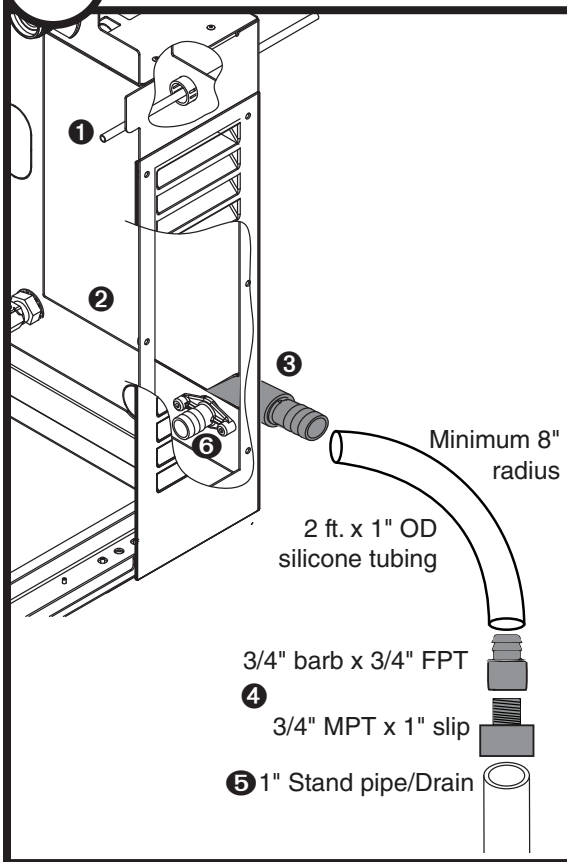
6.1 Bin Signal Installation



- Mount the electrical box to the side of the dispenser ❶ to establish a ground connection. **Note:** If a 4 x 4 box is mounted to a non-grounded surface, connect ground wire at an appropriate ground.
- Connect the bin signal cord to the plug on the electrical box. ❷
- Insert 16" (61 cm) of the long bin signal cable ❸ into the hole in the back of the louvered docking station ❹ and secure in place with strain relief provided.
- After sliding the ice machine module into the louvered docking station, disconnect one wire from shuttle switch and replace with wire from adapter plug. ❺
- Connect wire removed from shuttle switch to male connector on adapter plug wire. ❻
- Complete normal installation procedure for the ice machine using the installation manual that shipped with the ice machine.
- Connect adapter plug into bin signal plug. ❼

Connect utilities to louvered docking assembly.

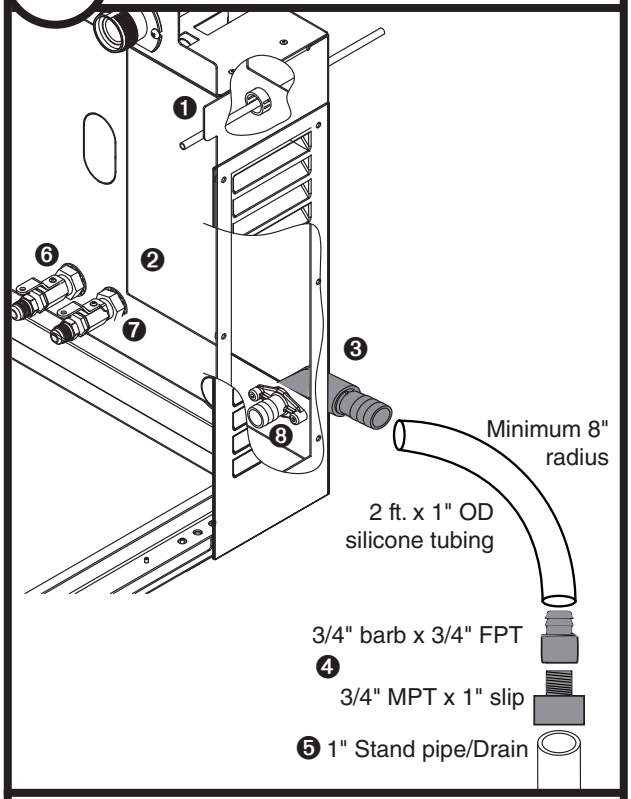
7.1 Air-cooled ice machines only



- Rough-in ice machine potable water supply ❶.
  3/8" push-in connection will be made at shut-off valve inside machine
- Remove access panel if necessary ❷.
- Connect the silicone tubing to the ice machine 3/4" drain barb ❸.
- Assemble the 3/4" barb x 3/4" FPT to the 3/4" MPT x 1" slip. Connect the other end of the silicone tubing to the 3/4" barb ❹.
- Connect the 1" slip fitting to the 1" stand pipe/drain ❺.

  Note: Minimum 8" radius on silicone drain line. Drain line from the ice machine must have at least 1/4" per foot pitch (6,4mm/0,3m).
- Apply Petrol-gel to barbed drain fitting ❻
- Replace access panel.

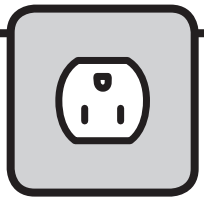
7.2 Water-cooled ice machines only



- Rough-in ice machine potable water supply ❶.
  3/8" push-in connection will be made at shut-off valve inside machine
- Remove access panel if necessary ❷.
- Connect the silicone tubing to the ice machine 3/4" drain barb ❸.
- Assemble the 3/4" barb x 3/4" FPT to the 3/4" MPT x 1" slip. Connect the other end of the silicone tubing to the 3/4" barb ❹.
- Connect the 1" slip fitting to the 1" stand pipe/drain ❺.

  Note: Minimum 8" radius on silicone drain line. Drain line from the ice machine must have at least 1/4" per foot pitch (6,4mm/0,3m).
- Connect cooling water supply ❻ and return ❼
- Apply Petrol-gel to barbed drain fitting ❽
- Replace access panel.

Connect louvered docking assembly to ice machine.

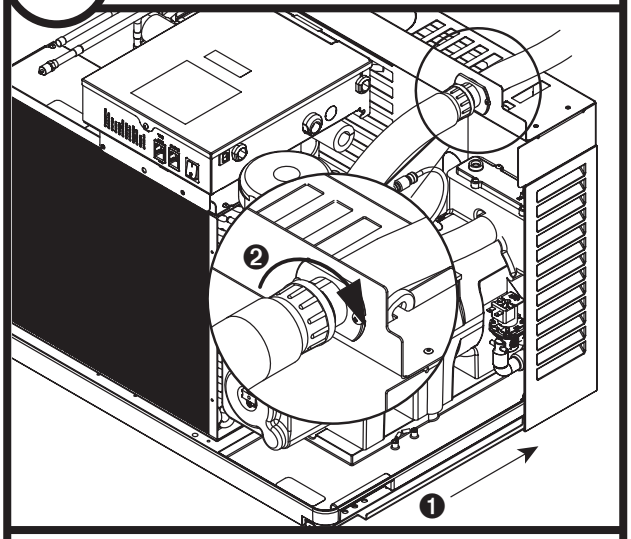


⚠ CAUTION

- Plug must be accessible after final installation.

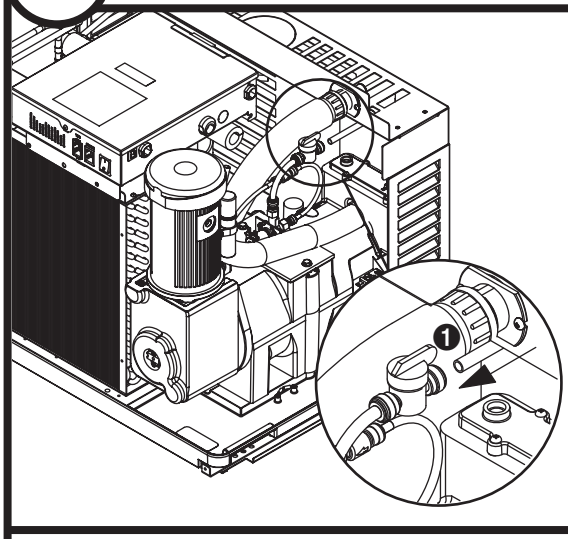
Air-cooled ice machines – follow steps 8.1 through 8.5.

8.1 Ice transport tube



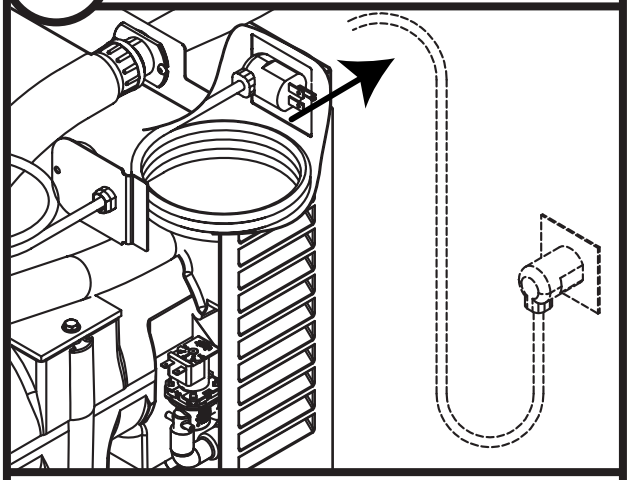
- Slide ice machine into louvered docking assembly *ensuring that drain tube is fully seated on barbed drain fitting* ❶
- Insert ice transport tube all the way into coupling and tighten nut firmly ❷

8.2 Potable water and drain lines



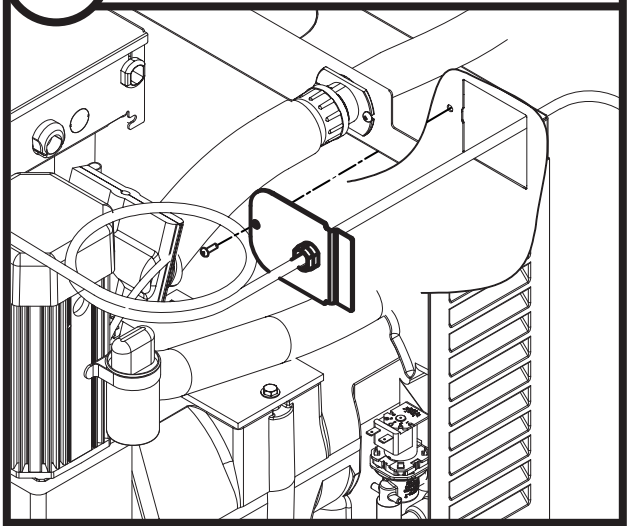
- Insert potable water line into valve ❶

8.3 Power cord



- Remove twist tie
- Carefully pass cord thru opening and plug into wall outlet

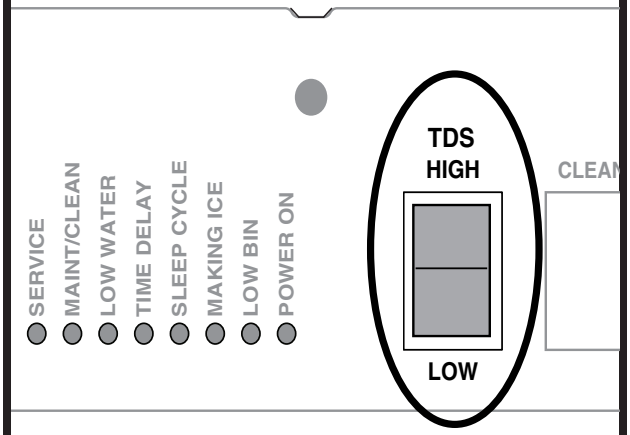
8.4 Power cord



- Position plate into opening and secure with supplied screw

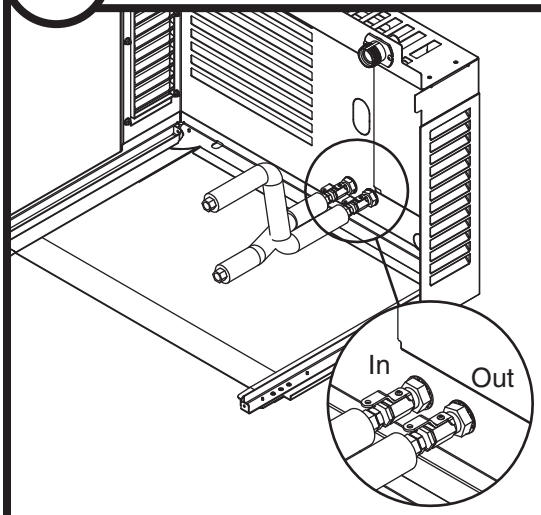
Water-cooled ice machines – follow steps 8.6 through 8.12.

8.5 TDS switch



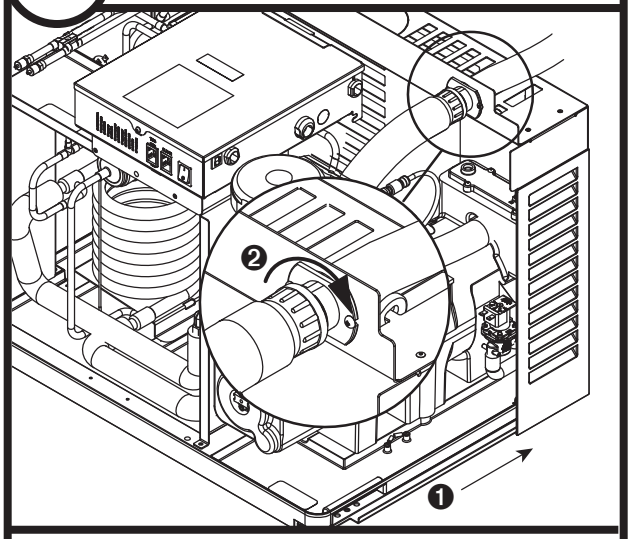
- Set the TDS switch on the electrical box:
  HIGH: for extended service life
  LOW: for low-scale water

8.6 Cooling lines



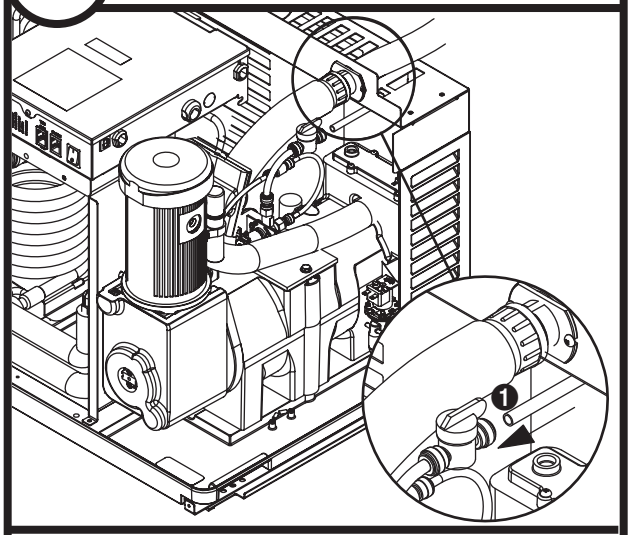
- Install ice machine cooling water lines to louvered docking assembly

8.7 Ice transport tube



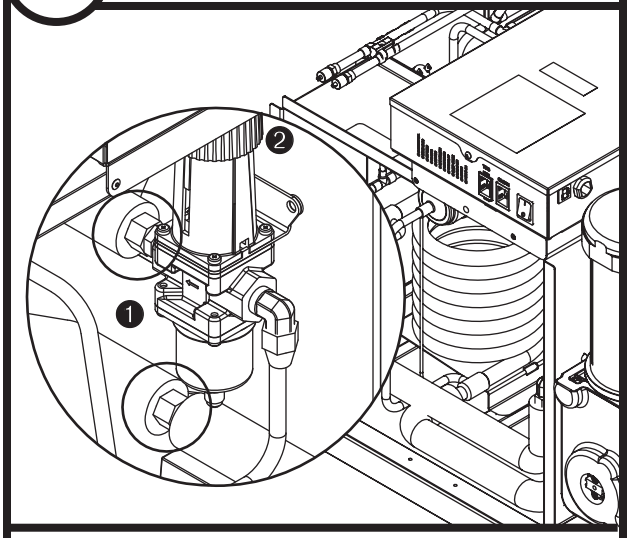
- Slide ice machine into louvered docking assembly *ensuring that drain tube is fully seated on barbed drain fitting* ❶
- Insert ice transport tube into coupling and tighten nut firmly ❷

8.8 Potable water and drain lines



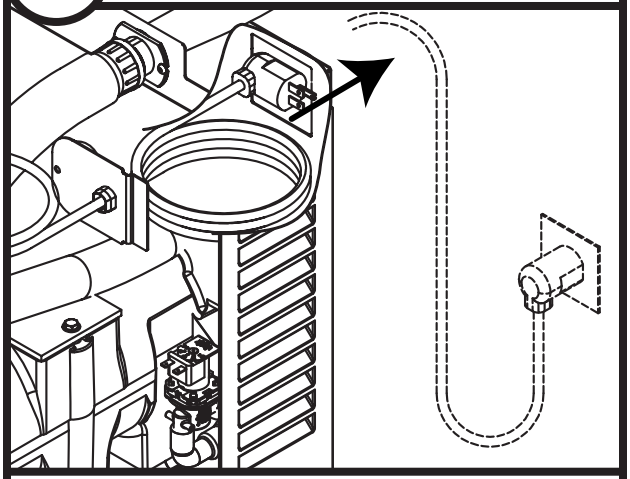
- Insert potable water line into valve ❶

8.9 Cooling lines and power



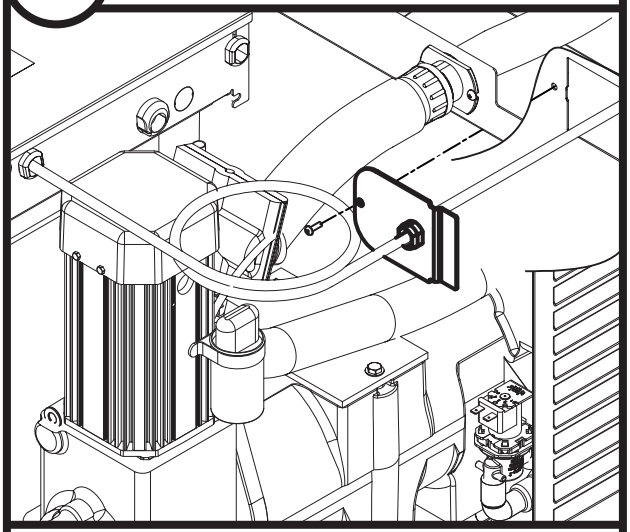
- Connect cooling water lines to ice machine (Water "Out" connects to water regulator.) ❶
- Water valve is set at the factory. **DO NOT** remove seal or adjust water valve ❷

8.10 Power cord



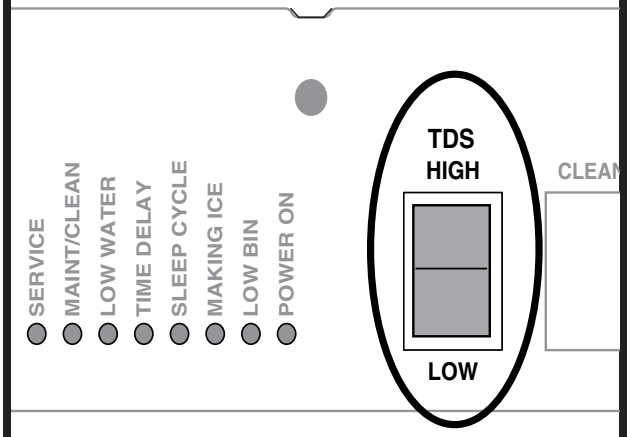
- Remove twist tie
- Carefully pass cord thru opening and plug into wall outlet

8.11 Power cord



- Position plate into opening and secure with supplied screw

8.12 TDS switch



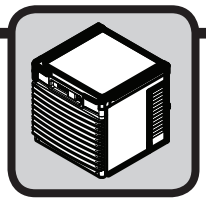
- Set the TDS switch on the electrical box:
  HIGH: for extended service life
  LOW: for low-scale water

NOTICE

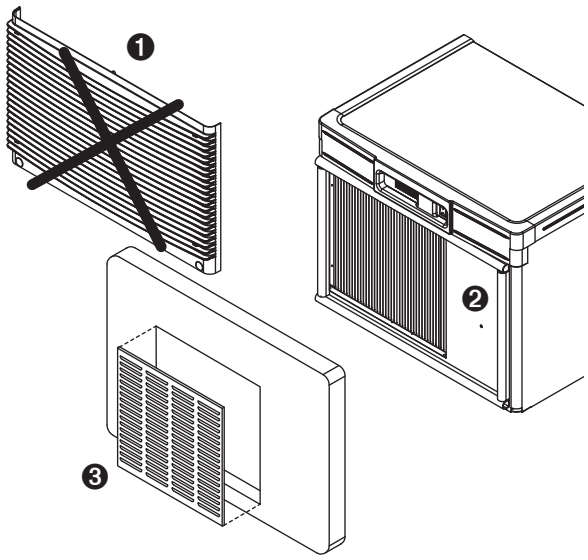
Ice machine MUST be sanitized prior to operation!

Consult Operation and Service Manual provided with ice machine for sanitizing instructions.

Install front cover to ice machine.



Front cover installation – air-cooled undercounter only

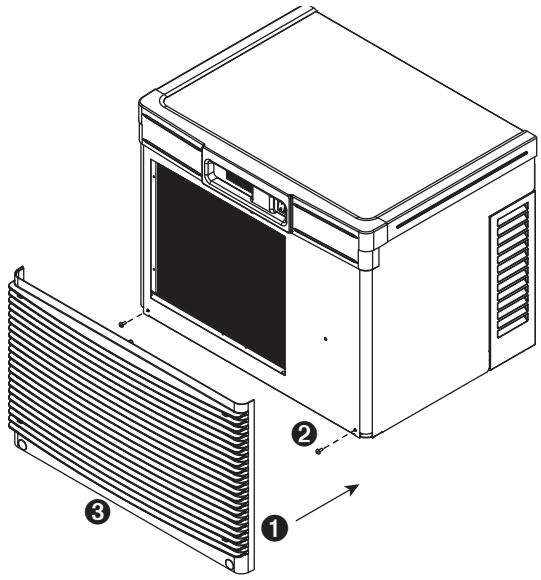


⚠ CAUTION

- Keep ventilation openings in the appliance enclosure clear of obstruction.
- To ensure proper ventilation (if not using supplied grille) carefully review air circulation specifications in section 4.1

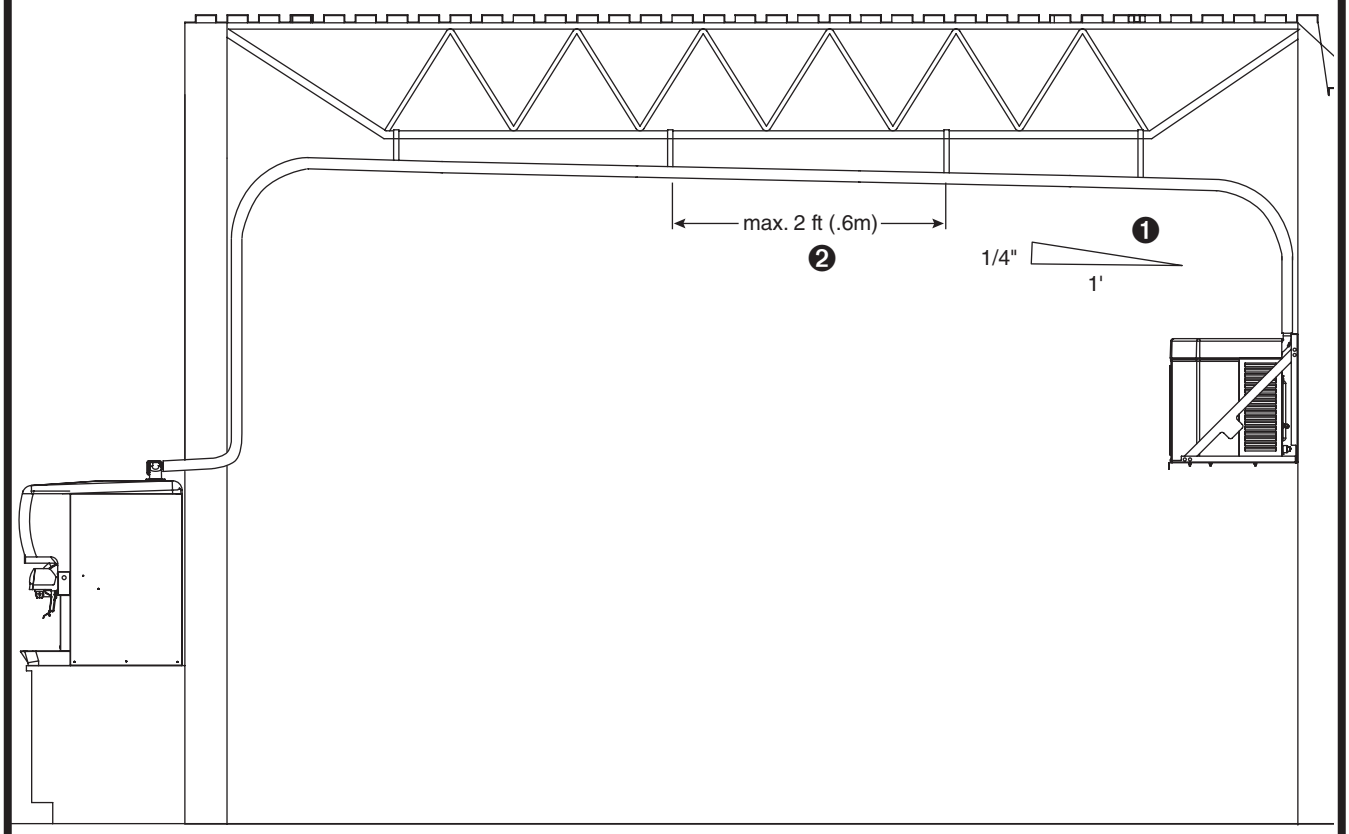
- Remove and discard plastic grille ❶
- Apply supplied gasket material around entire opening on skin to prevent air recirculation ❷
- Attach supplied metal grille to opening in counter door (see section 4.1) ❸

Install front cover



- Slide ice machine cover over machine ensuring that tabs on back of cover slip under louvers on back of louvered docking assembly ❶
- Insert and tighten two screws through cover and into louvered docking assembly ❷
- For air-cooled machines only, install plastic grill ❸

Long tube run recommendations



- Pitch ice transport tube to allow melt water to drain towards ice machine ❶
- Secure insulated ice transport tube at least every 2 ft (.6m) to prevent dips or traps ❷

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