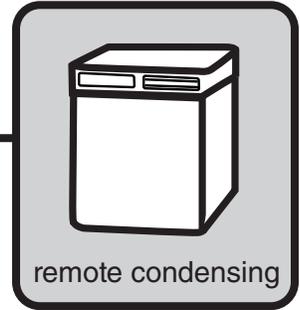


Horizon Elite™ Ice Machine Models with RIDE® Technology Installation Instructions for Harmony™ or 110CM Symphony™ Plus Applications

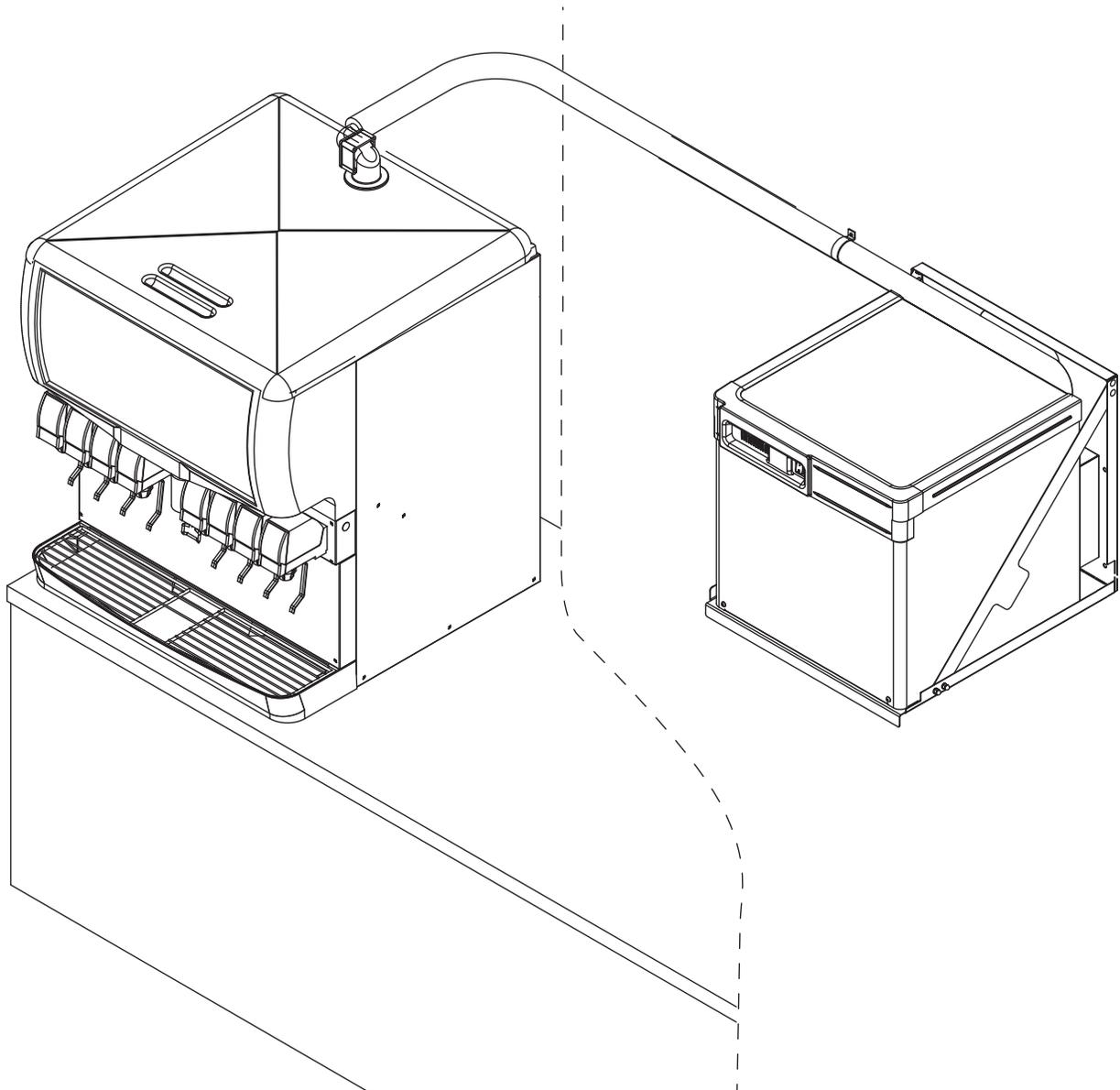
HCD/HMD/HCF/HMF1810RHS, HCD/HMD/HCF/HMF2110RHS,
HCD/HMD1810NHS, HCD/HMD2110NHS

(See model number configurator on page 2 for details.)

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**For applications using 110CM Symphony Plus
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01157866R03

Chewblet® Ice Machine Model Number Configurations

HC
D
1810
A
V
S

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

CAUTION!

- This appliance should be connected by a qualified person in accordance with applicable codes.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Connect to potable water supply only.
- This appliance can be used by children aged 8 years and above and persons with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children should be supervised to ensure that they do not play with the appliance.
- This appliance is intended to be used for household and similar applications such as staff kitchen areas in shops, offices and other working environments; farm houses and by clients in hotels, motels and other residential type environments; bed and breakfast type environments; catering and similar non-retail applications.
- **WARNING!** To avoid a hazard due to instability of the appliance, it must be fixed in accordance with the instructions.

Read and complete the following 8 installation steps

1 **Unpack** _____



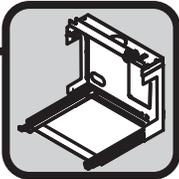
2 **Site preparation** _____



3 **Dispenser preparation** _____



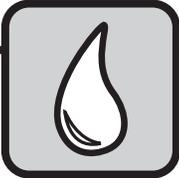
4 **Docking assembly** _____



5 **Ice transport tube** _____



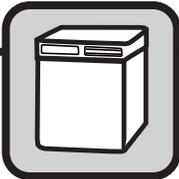
6 **External connection** _____



7 **Internal connection** _____



8 **Front cover** _____



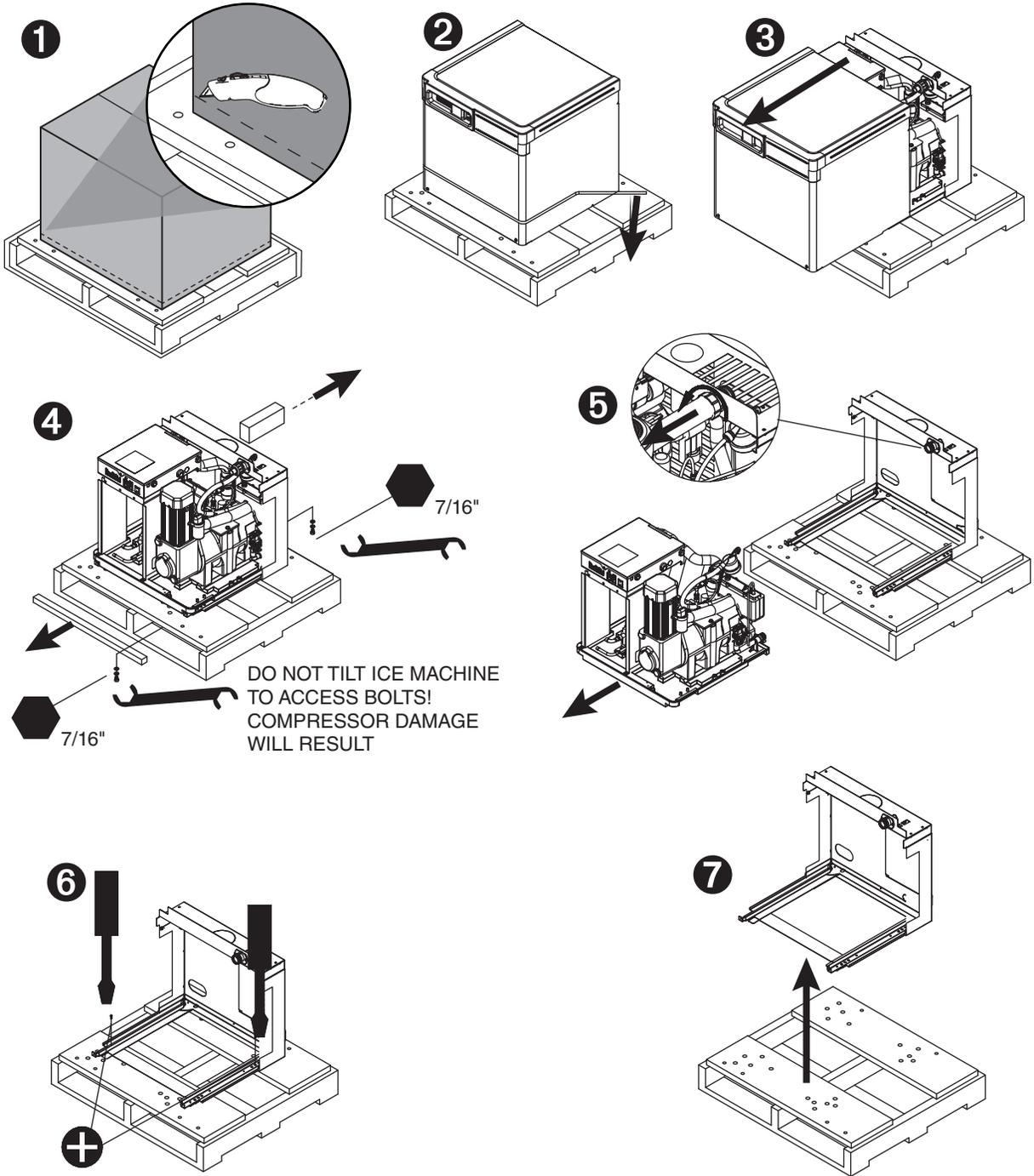
Carefully unpack and inspect the contents of your Follett ice machine.

Unpack

1



1.1 Unpack carton #1

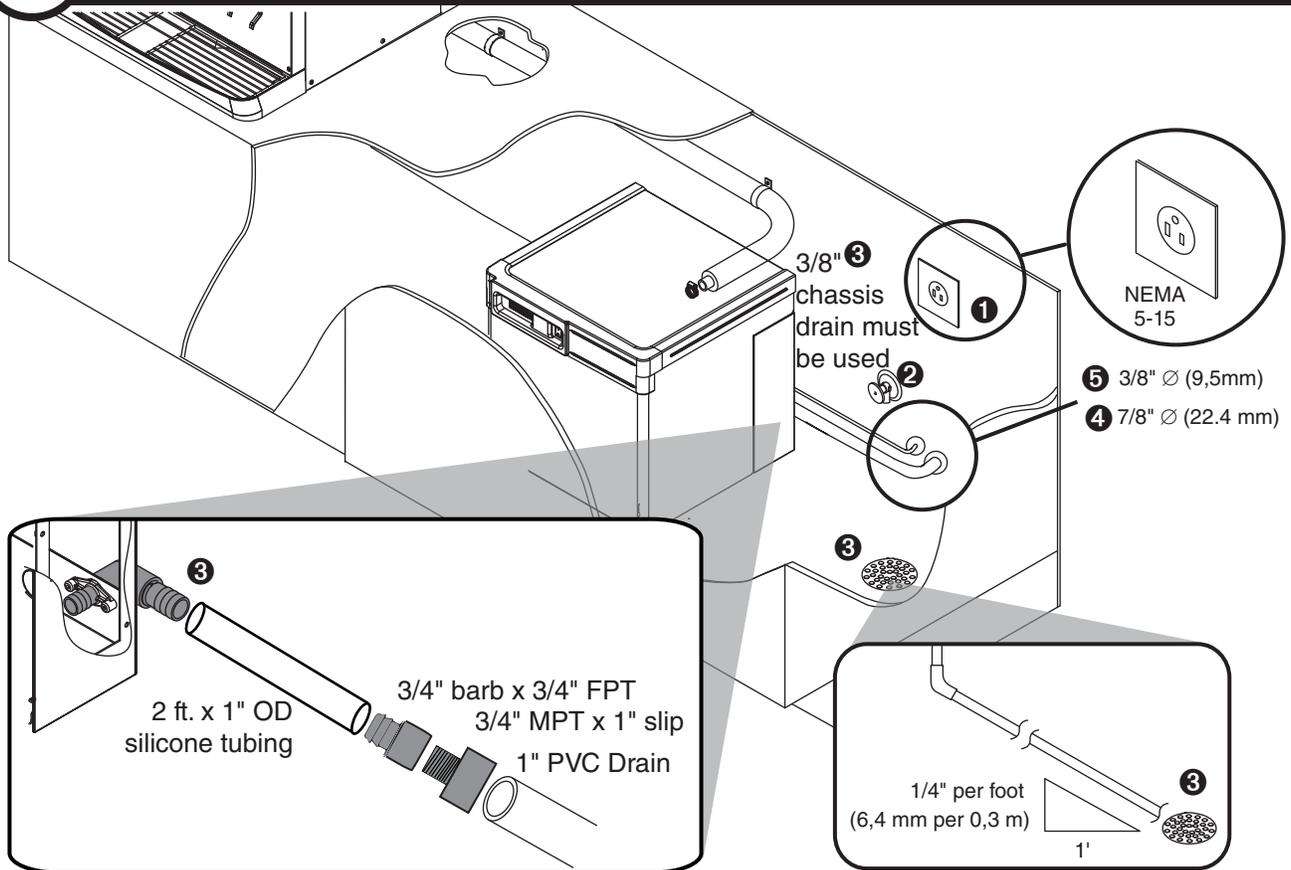


Prepare the installation site.

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



2.1 Installation site requirements



Electrical ①

- 1810(R/N)HS 120/60/1-5 amps
- 2110(R/N)HS 120/60/1-5 amps

Potable water supply ② (3/8" push-in connection, 3/8" OD tubing required)

- 10-70 psi (69-483kpa)
- 45-90 F (7-32 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

Drains: ③ 3/4" Barb for silicone drain, 3/8" push-to-connect for chassis drain

- 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).

Refrigeration lines ④ and ⑤

- 7/8" Ø (22,4 mm) diameter suction line (insulated) ④
- 3/8" Ø (9,5 mm) liquid line ⑤

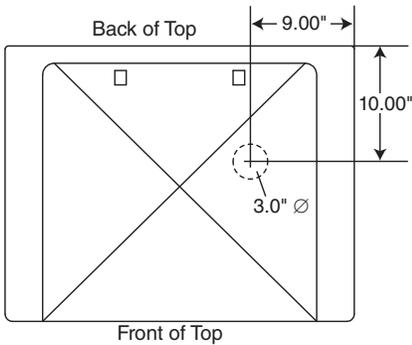
Prepare the dispenser.

Attention! The location of the hole in the dispenser top is dependent on the type of dispenser. Be sure to follow Step 3.1 for the appropriate dispenser.



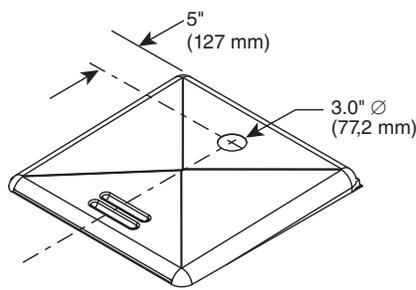
3.1 Hole location - Harmony (Lancer, Cornelius or Servend), or 110CM Symphony Plus

Lancer Sensation and Touchpoint



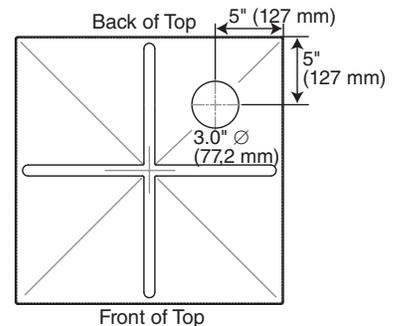
Locate hole position 10" (254 mm) from back and 9" (229 mm) from right of dispenser top

Standard (Cornelius, Lancer, or Servend)



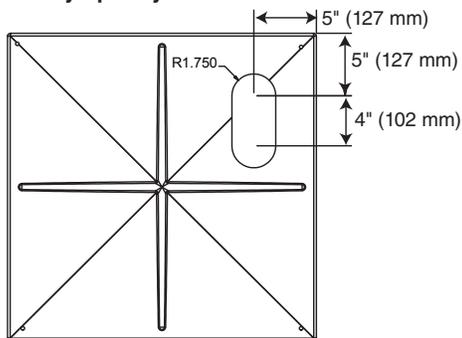
Locate hole position 5" (127 mm) from back of dispenser top

110CM Symphony Plus

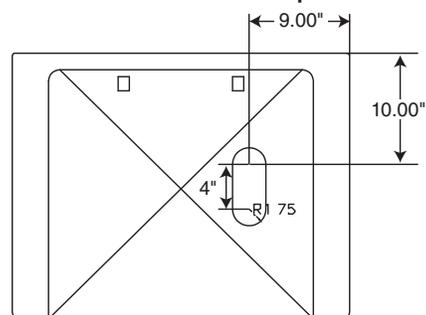


Locate hole position 5" (127 mm) from back and right of dispenser top

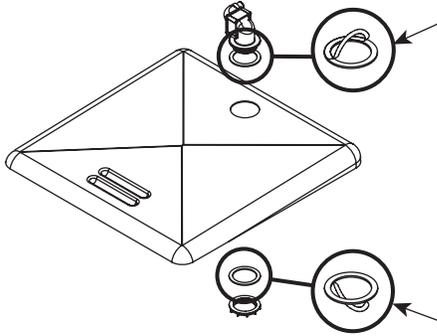
110CM Symphony Plus w/IMDV



Lancer Sensation and Touchpoint w/IMDV

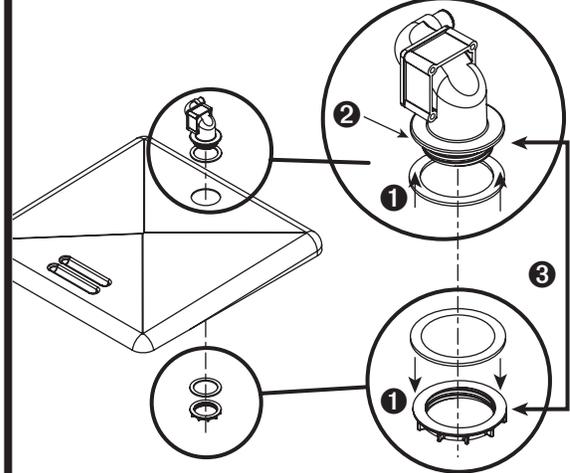


3.2 Top preparation



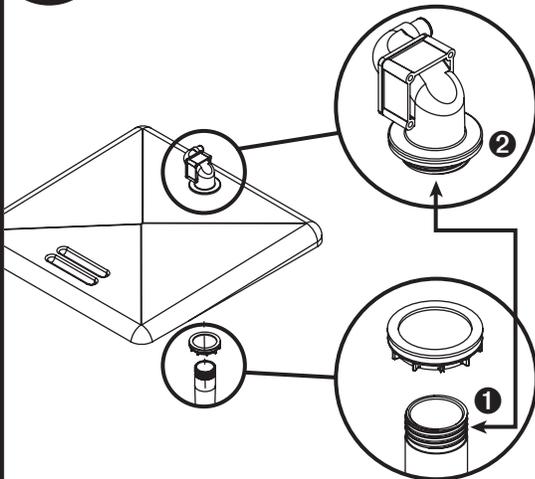
- Remove protective tape from gaskets

3.3 Top preparation



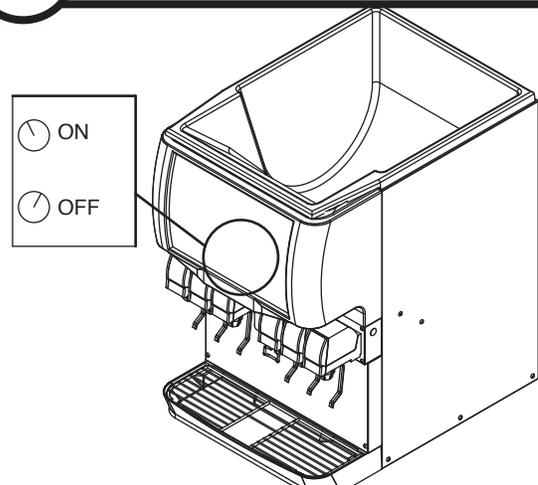
- Apply gaskets **1**
- Install shuttle actuator **2** through dispenser top and secure with locking nut **3**

3.4 Top preparation



- Screw 4" (102 mm) extension **1** into bottom of shuttle actuator **2**

3.5 Agitation adjust. – CORNELIUS



Cornelius models ED, DB, DF, IDC and FLAVOR FUSION

Adjust the agitation timer located on the Cornelius PC board to 1 second on, 1 hour off. **Note:** See Cornelius manual for more information.

3.6 Agitation adjustments – LANCER 4500 SERIES

PRESS IN ON THIS SIDE TO TURN SWITCH OFF.

ROCKER SWITCHES (VIEW LOOKING DOWN)

PRESS IN ON THIS SIDE TO TURN SWITCH ON.

AGITATION TIME

SWITCH NUMBER	1 SECOND	2 SECONDS	3 SECONDS	4 SECONDS
3	O	O	X	X
4	O	X	O	X

X = ON
O = OFF

AGITATION FREQUENCY

SWITCH NUMBER	NO AGITATION	10 MINUTES	20 MINUTES	30 MINUTES	40 MINUTES	50 MINUTES	60 MINUTES	70 MINUTES	80 MINUTES	90 MINUTES	100 MINUTES	110 MINUTES	120 MINUTES	130 MINUTES	140 MINUTES	150 MINUTES
5	O	O	O	O	O	O	O	X	X	X	X	X	X	X	X	X
6	O	O	O	O	X	X	X	X	O	O	O	X	X	X	X	X
7	O	O	X	X	O	O	X	X	O	O	X	X	O	O	X	X
8	O	X	O	X	O	X	O	X	O	X	O	X	O	X	O	X

SWITCH ON

SWITCH OFF

SIDE VIEW

SIDE VIEW

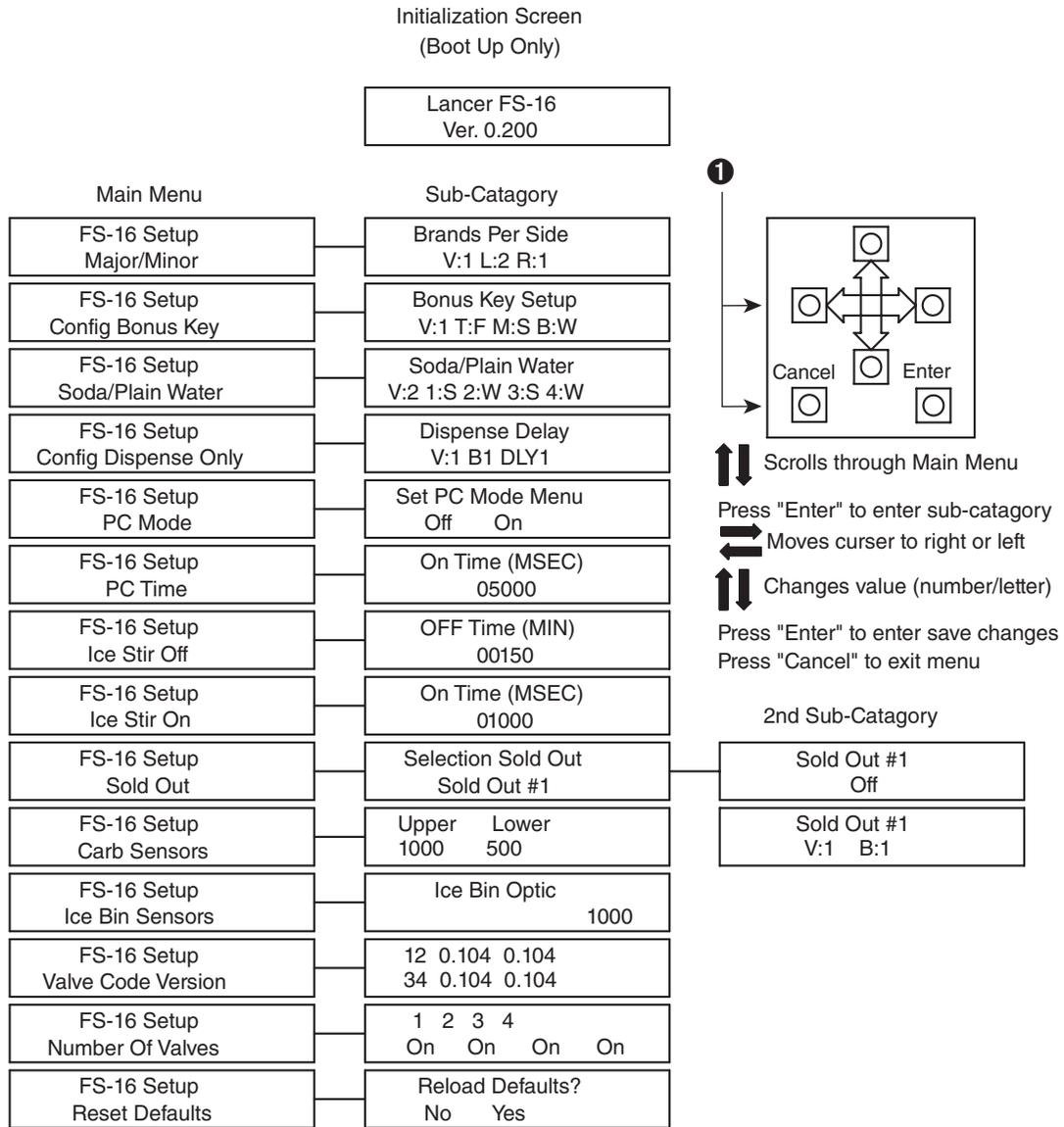
Lancer 4500 series only

Adjust the agitation time to 1 second, and the agitation frequency to 150 minutes. See Lancer manual for more information.

3.7 Agitation adjustments – LANCER Sensation and Touchpoint

No agitation adjustment required

3.8 Agitation adjustments – LANCER FS SERIES



Lancer FS series only

- Hold down "cancel" and "left button" to get to hidden menu ①
- Type in code 6655
- Type in 150 minutes "off time" and 1810 milliseconds (1 second of time) as the preferred setting

Note: See Lancer manual for more information

3.9 Agitation adjustments – SERVEND

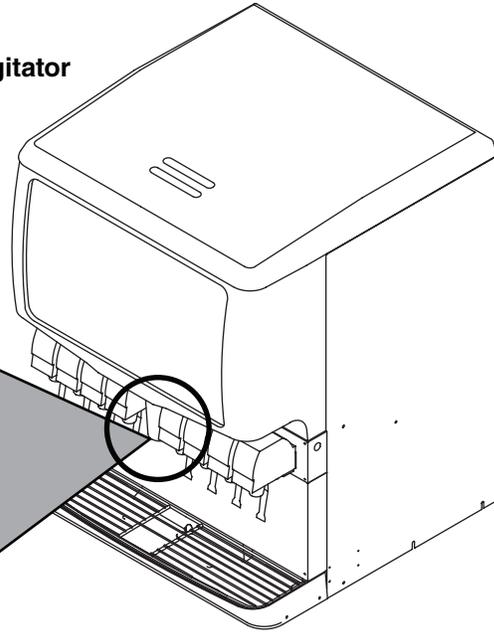
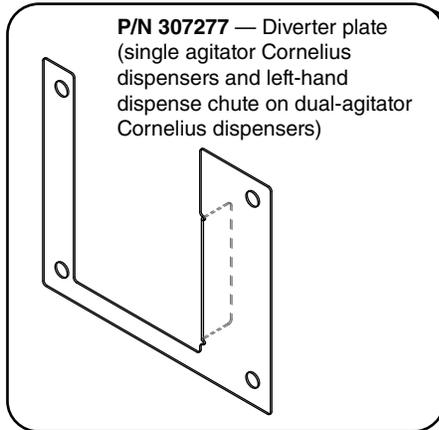
SerVend models only

No agitation adjustment required

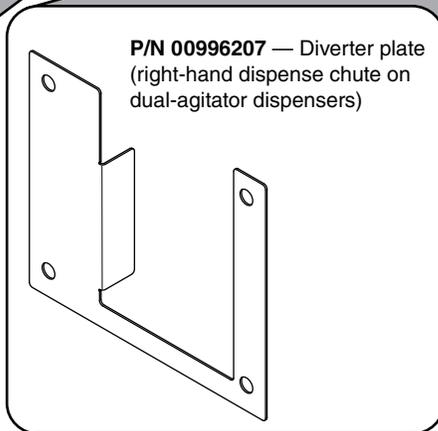
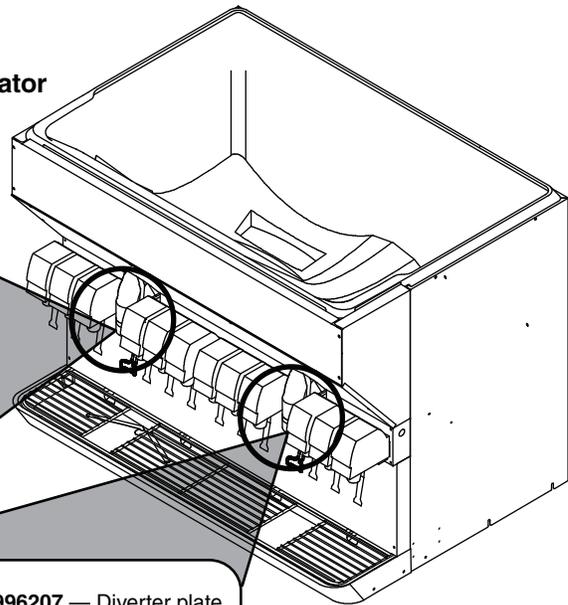
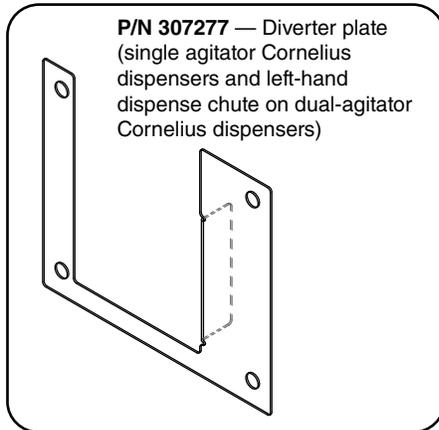
3.10

Dispenser diverter plate overview (Installation on next page)

Single Agitator

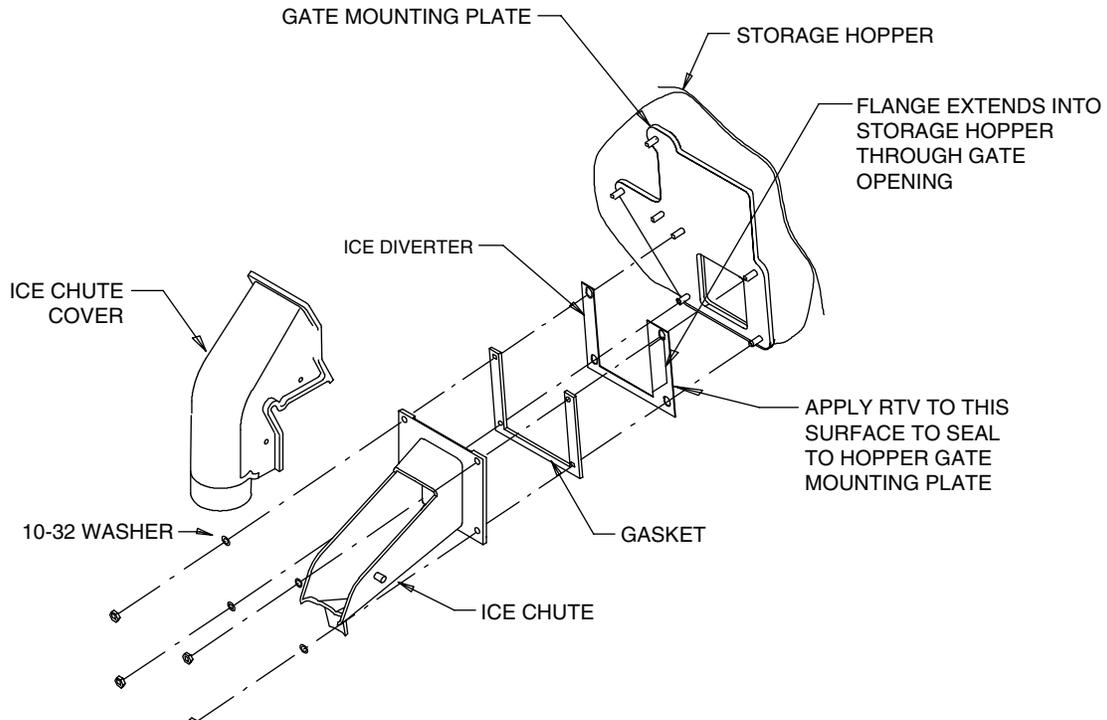


Dual Agitator



3.11

Dispenser diverter plate installation – CORNELIUS ED, DF and DB SERIES



Cornelius ED, DF and DB series only

These dispensers require the installation of an ice diverter at the dispenser opening.

- Disassemble chute assembly
- Discard factory restrictor plate
- Replace with alternate diverter plate (supplied)

3.12

Agitation adjustments – Cornelius IDC and Flavor Fusion

These dispensers require modifications for compatibility with Chewlet ice. Agitation times must be set to 1 second ON, 1 hour OFF and the ice restrictor plate must be adjusted to the fully open position. See your beverage supplier for these modifications.

Install the docking assembly.

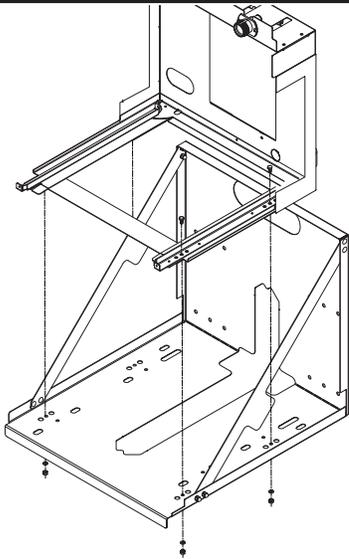


BEFORE PROCEEDING

Prior to installing the 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.

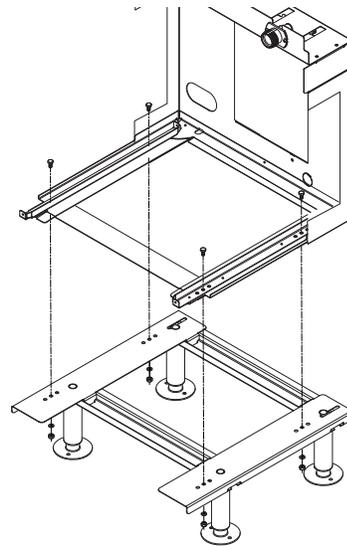


Wall bracket accessory



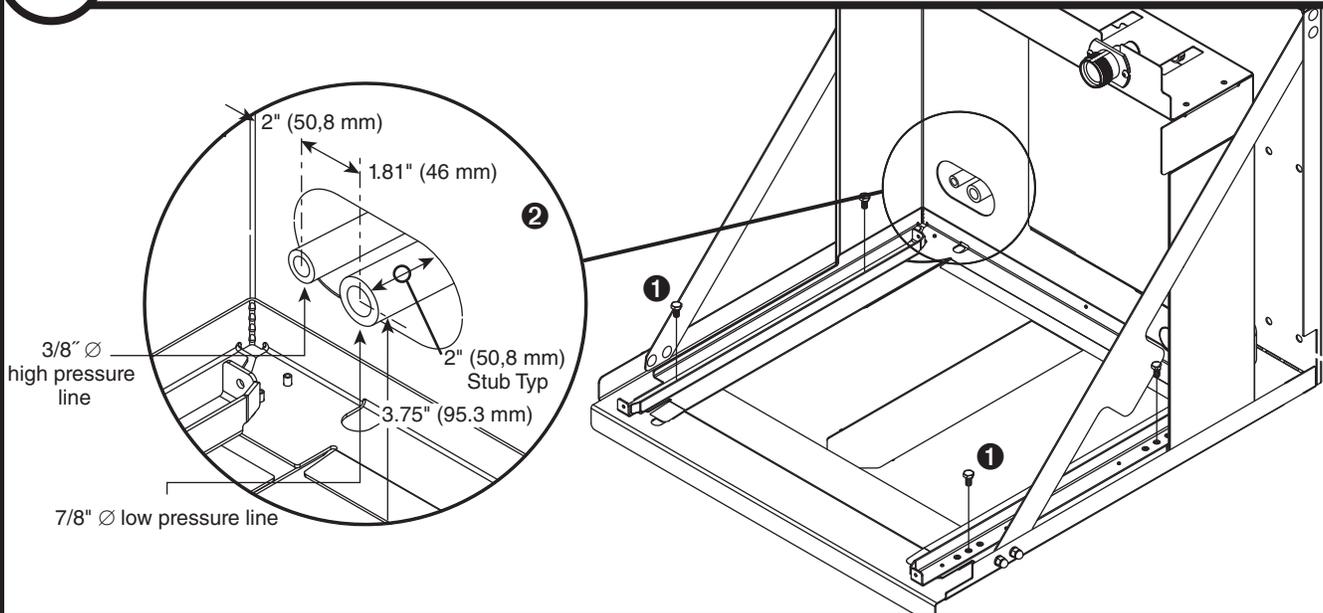
- Mount docking assembly to wall bracket accessory

Machine stand accessory



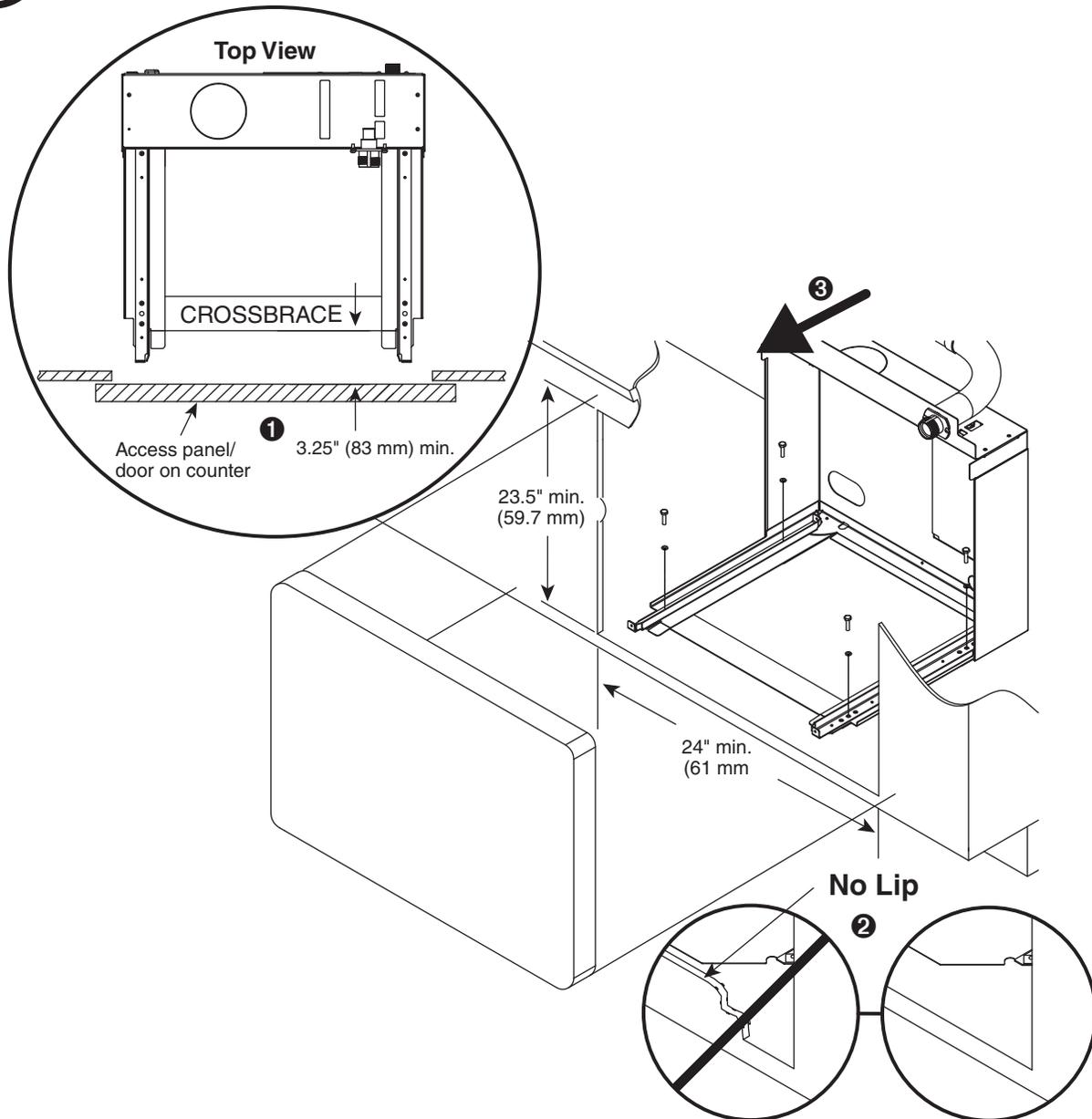
- Mount docking assembly to machine stand accessory

4.1 Docking assembly



- Mount docking assembly ①
- "Rough-in" the refrigerant piping ②

4.2 Undercounter installation requirements

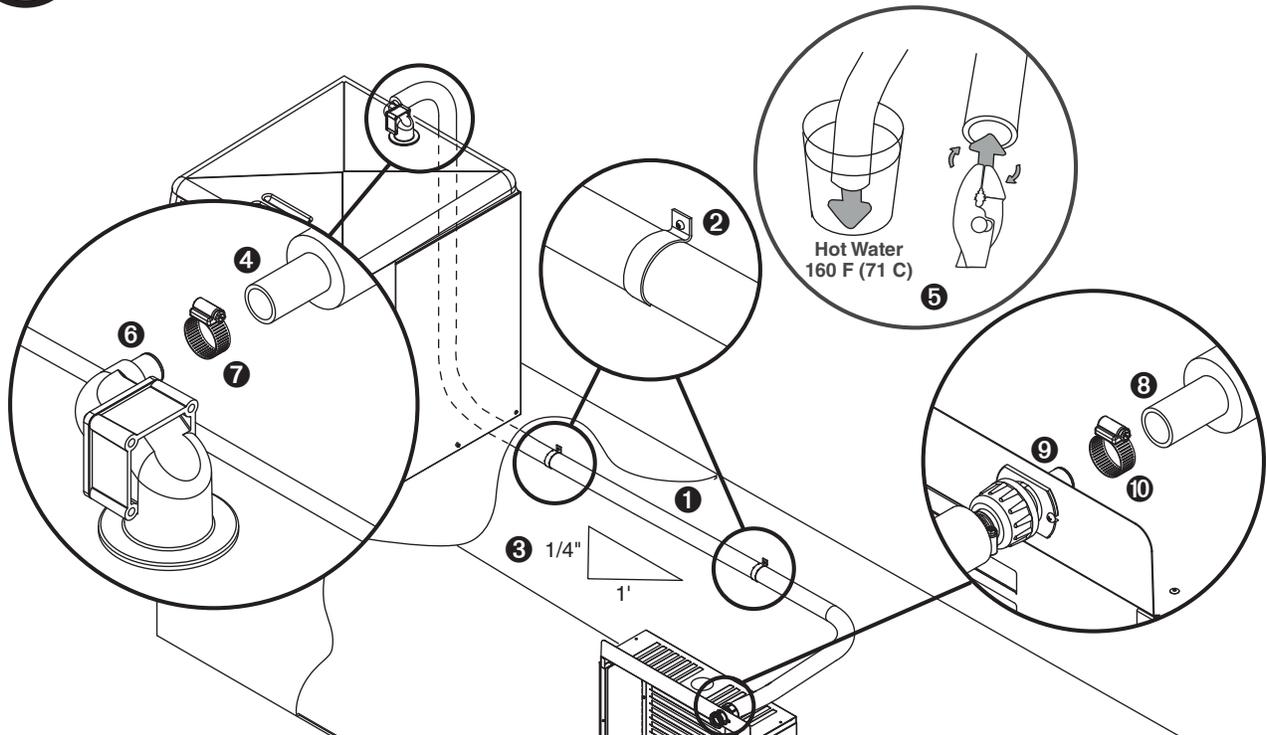


DOCKING STATION

- Prior to installing the 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 docking assembly to the bottom of counter inside of access panel/door min. of 3.25" (83 mm) from the front edge of the cross brace ①
- The mounting surface for the 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 docking station ②
- Ice machine must be installed facing forward as shown for service accessibility ③



5.1 Transport tube installation.



Ice transport tube tips

- Insulate entire length of ice transport tube ①
- Secure ice transport tube ② as needed to prevent dips and traps from forming. For long tube runs see guide on page 19.
- Pitch ice transport tube at least 1/4" per foot (6,4mm/.3m) ③
- Ice transport tube must drain towards ice machine

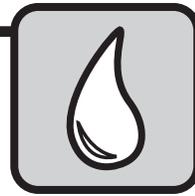
Ice transport tube to dispenser

- Be sure tube ends are square ④
- Heat end of transport tube in cup of 160 F (71 C) hot water to soften and spread with pliers ⑤ before making connection to ease assembly
- Push ice transport tube onto shuttle actuator nipple ⑥
- Install hose clamp ⑦

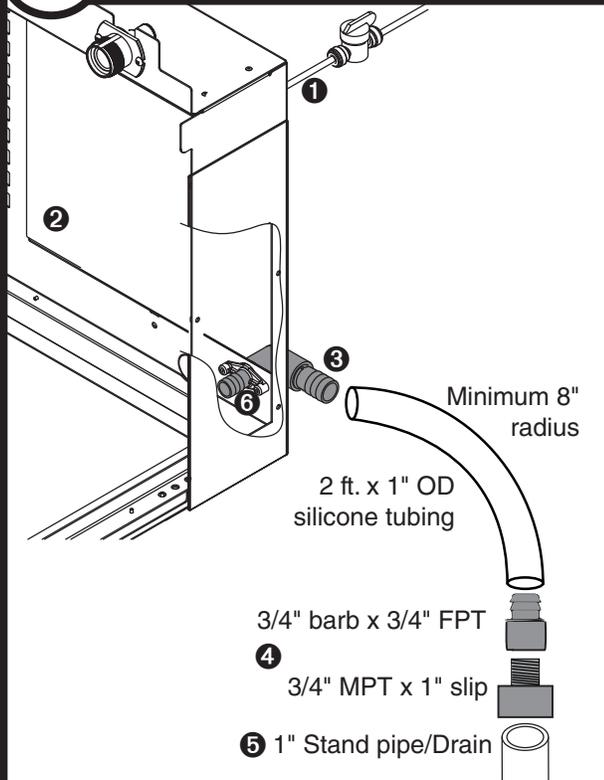
Ice transport tube to Ice machine

- Be sure tube ends are square ⑧
- Heat end of transport tube in cup of 160 F (71 C) hot water to soften and spread with pliers ⑤ before making connection to ease assembly
- Push transport tube onto ice machine nipple ⑨
- Install hose clamp ⑩

Connect utilities to docking assembly.

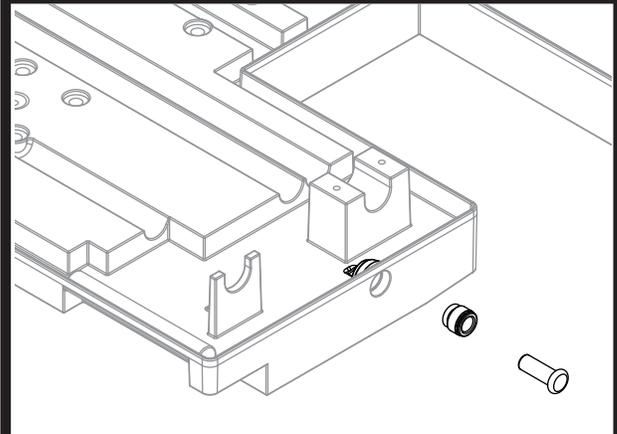


6.1 Water and drain



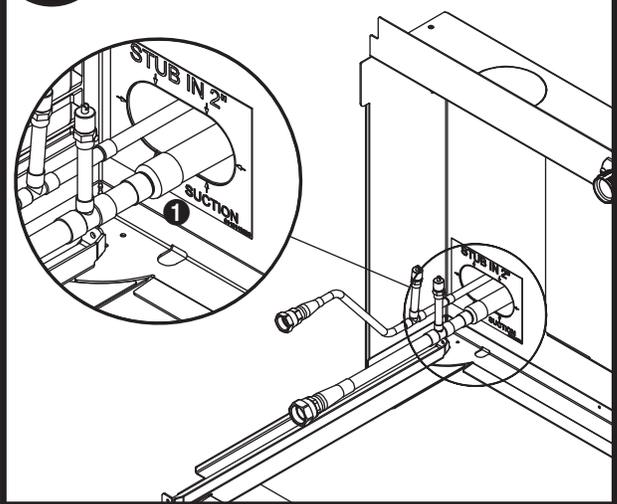
- Rough-in ice machine potable water supply ①. 3/8" push-in connection will be made at included shut-off valve then at back of docking station into solenoid.
 - Remove access panel if necessary ②.
 - Connect the silicone tubing to the ice machine 3/4" drain barb ③.
 - Assemble the 3/4" barb x 3/4" FPT to the 3/4" MPT x 1" slip. Connect the other end of the silicone tubing to the 3/4" barb ④.
 - Connect the 1" slip fitting to the 1" stand pipe/drain ⑤.
- 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 Petrogel to barbed drain fitting ⑥
 - Replace access panel.

Chassis drain plumbing - required



- Plug must be removed from John Guest fitting.
- Route 3/8" drain tubing through knockout in back of docking station and insert fully into John Guest fitting connection at the rear of the machine chassis. Route other end of 3/8" drain tubing to drain.
- Drain must slope 1/4" inch per foot (6 mm per 30,4 cm).

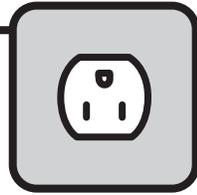
6.2 Refrigerant



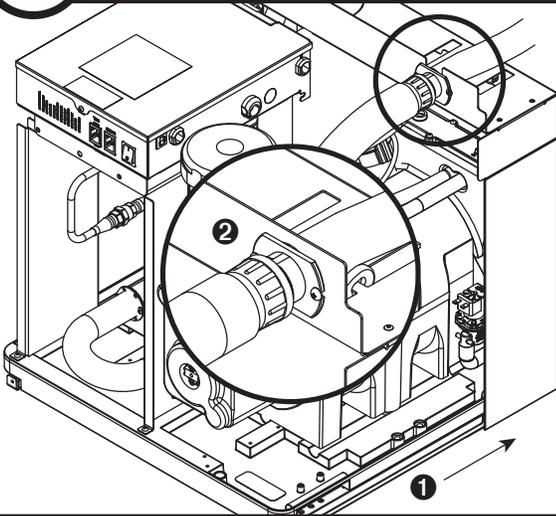
- Braze supplied quick-connect lines onto stub-ins ①.

Connect docking assembly to ice machine.

Internal connections **7**

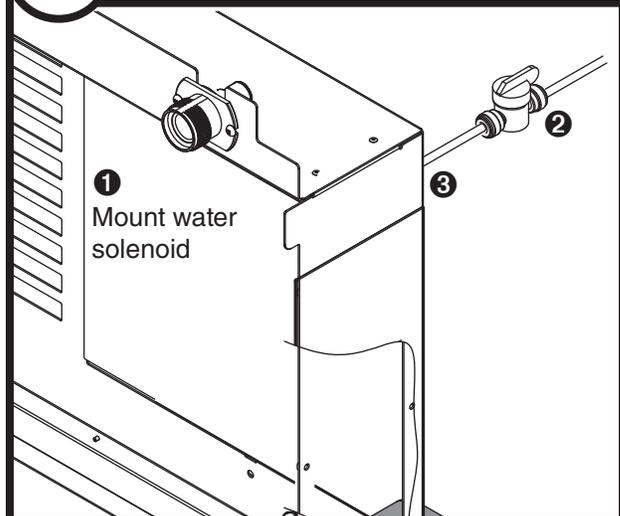


7.1 Ice transport tube installation



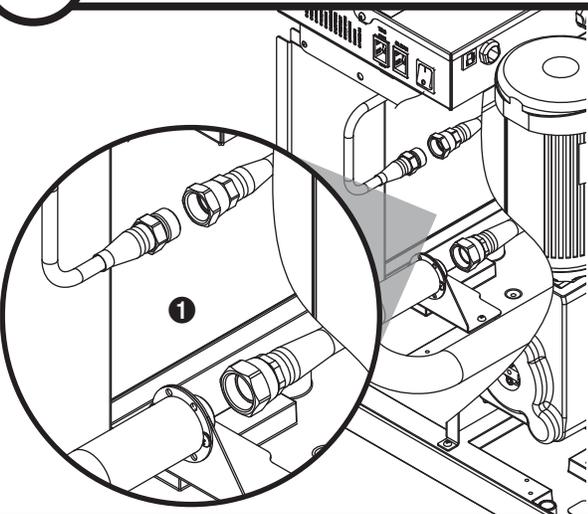
- Slide ice machine into docking assembly ensuring that drain tube is fully seated on barbed drain fitting **1**
- Insert ice transport tube all the way into coupling and tighten nut firmly **2**

7.2 Water line



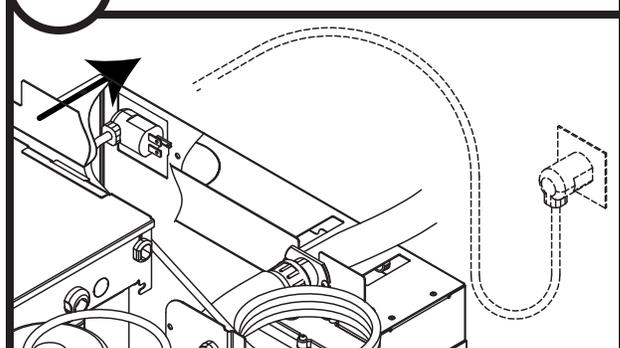
- Mount water solenoid to inside rear of docking assembly using one screw **1**
- Insert potable water line into valve **2**
- Insert into push-in connection of water solenoid **3**

7.3 Refrigeration lines



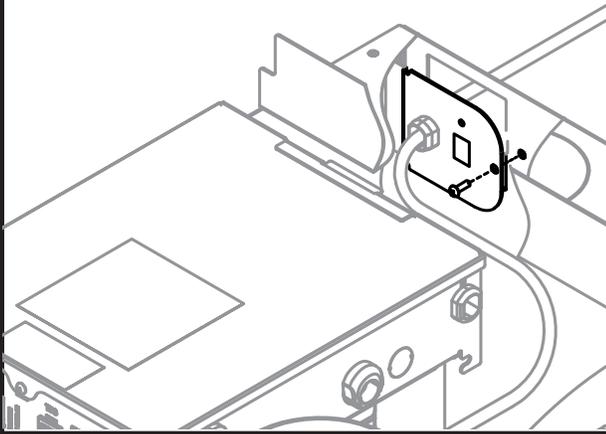
- Evacuate line set.
- Connect self-sealing liquid and suction line fittings **1**

7.4 Power cord



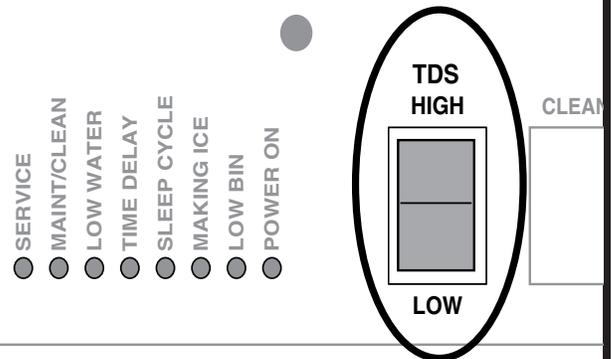
- Remove twist tie
- Carefully pass cord thru opening and plug into wall outlet

7.5 Power cord



- Position plate into opening and secure with supplied screw

7.6 TDS switch



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

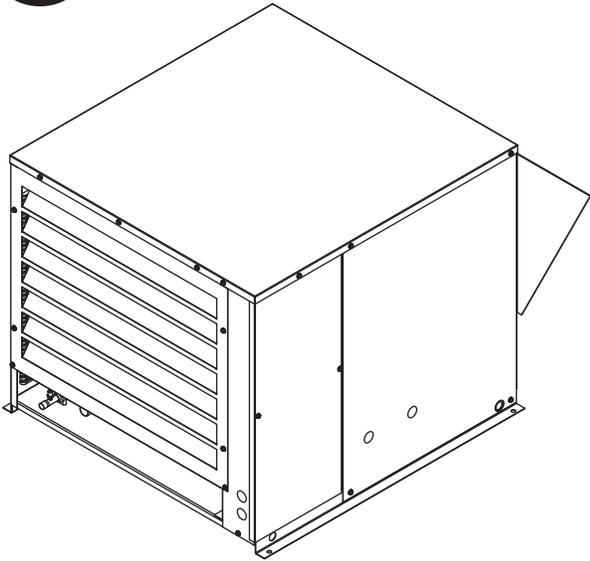
Install front cover to ice machine.

Front cover

8



8.1 Install condensing unit

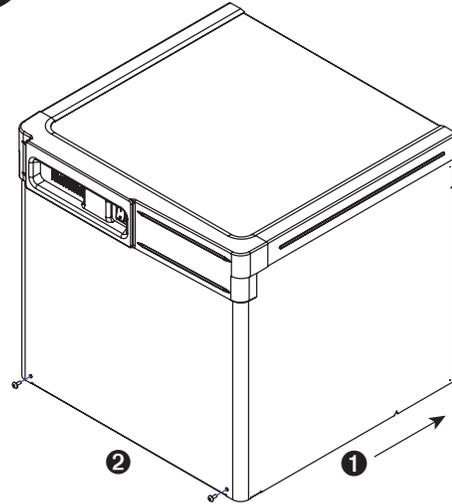


- Complete installation of condensing unit or connection to rack system.
- Required rack system capacity at 0 F (-18 C) evaporator (EPR supplied by installer).

1810N: 15,700 Btu/hr (3956 kcal/hr)

2110N: 18,200 Btu/hr (4586 kcal/hr)

8.2 Install ice machine front cover



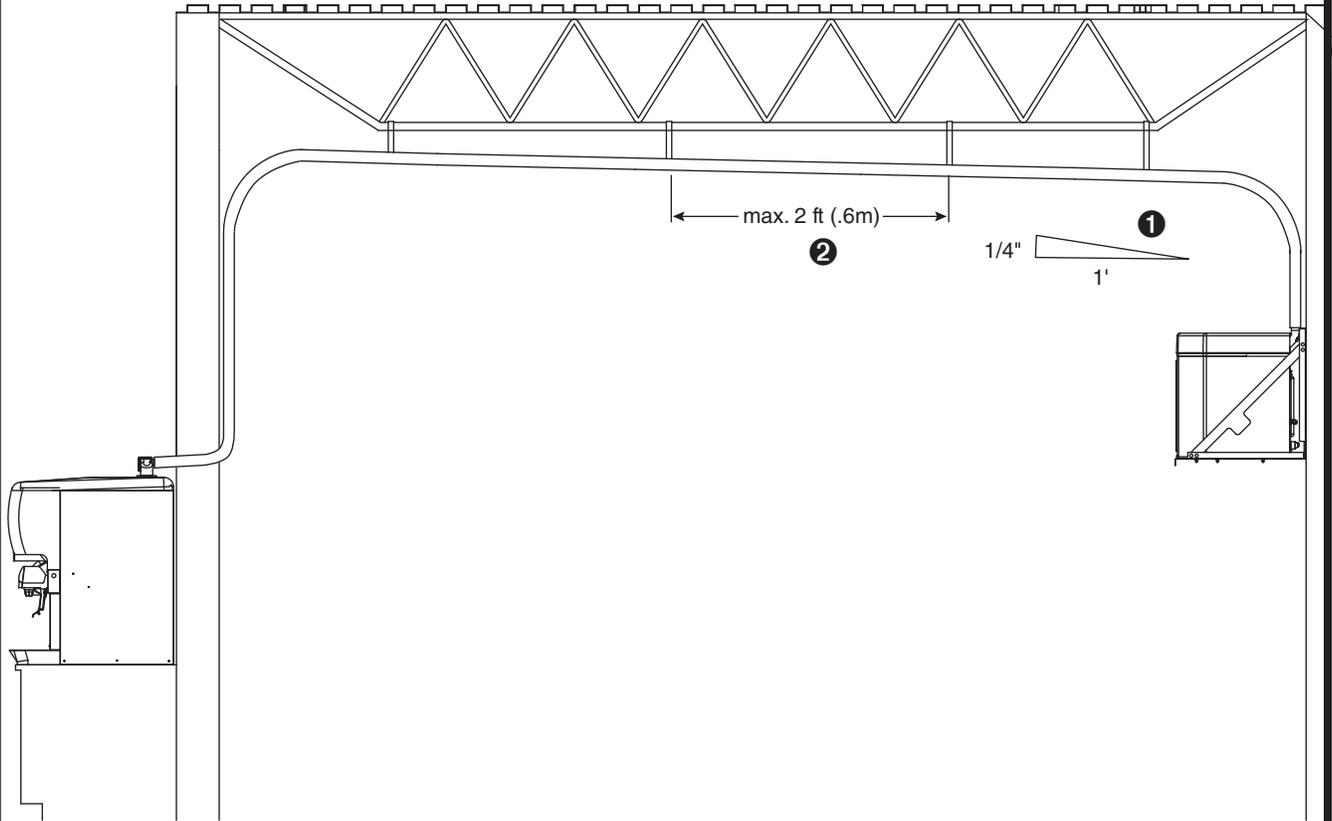
- Slide ice machine cover over machine ensuring that tabs on back of cover slip under louvers on back of docking assembly ①
- Insert and tighten two screws through cover and into docking assembly ②

NOTICE

Ice machine **MUST** be sanitized prior to operation!

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

Long tube run recommendations



- Pitch ice transport tube to allow melt water to drain towards ice machine ①
- Secure insulated ice transport tube at least every 2 ft (.6m) to prevent dips or traps ②

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