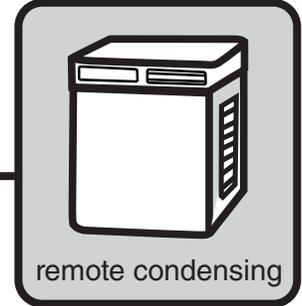


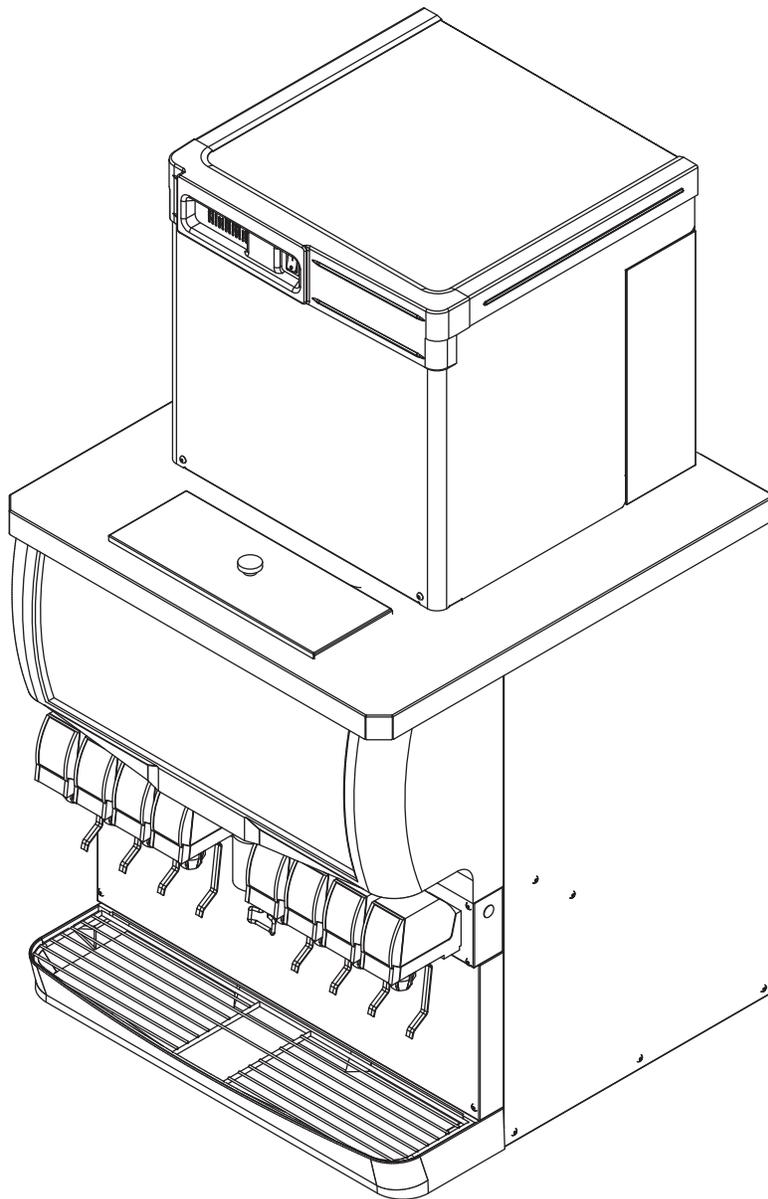
Horizon Elite™ Ice Machine Installation Instructions for Harmony™ Top-mount Applications

HCD/HMD/HCF/HMF1010RHT, HCD/HMD/HCF/HMF1410RHT,
HCD/HMD1010NHT, HCD/HMD1410NHT
(See model number configurator on page 2 for details.)



After Serial Number L82638

**Horizon top-mount ice machines
fit most countertop dispensers manufactured by
Cornelius • Lancer • Servend**



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)			

Read and complete the following 8 installation steps

1 **Unpack** _____



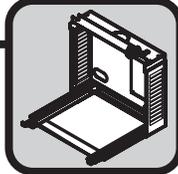
2 **Site preparation** _____



3 **Dispenser preparation** _____



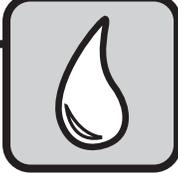
4 **Docking assembly** _____



5 **Ice transport tube** _____



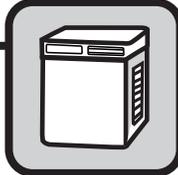
6 **External connection** _____



7 **Internal connection** _____



8 **Front cover** _____



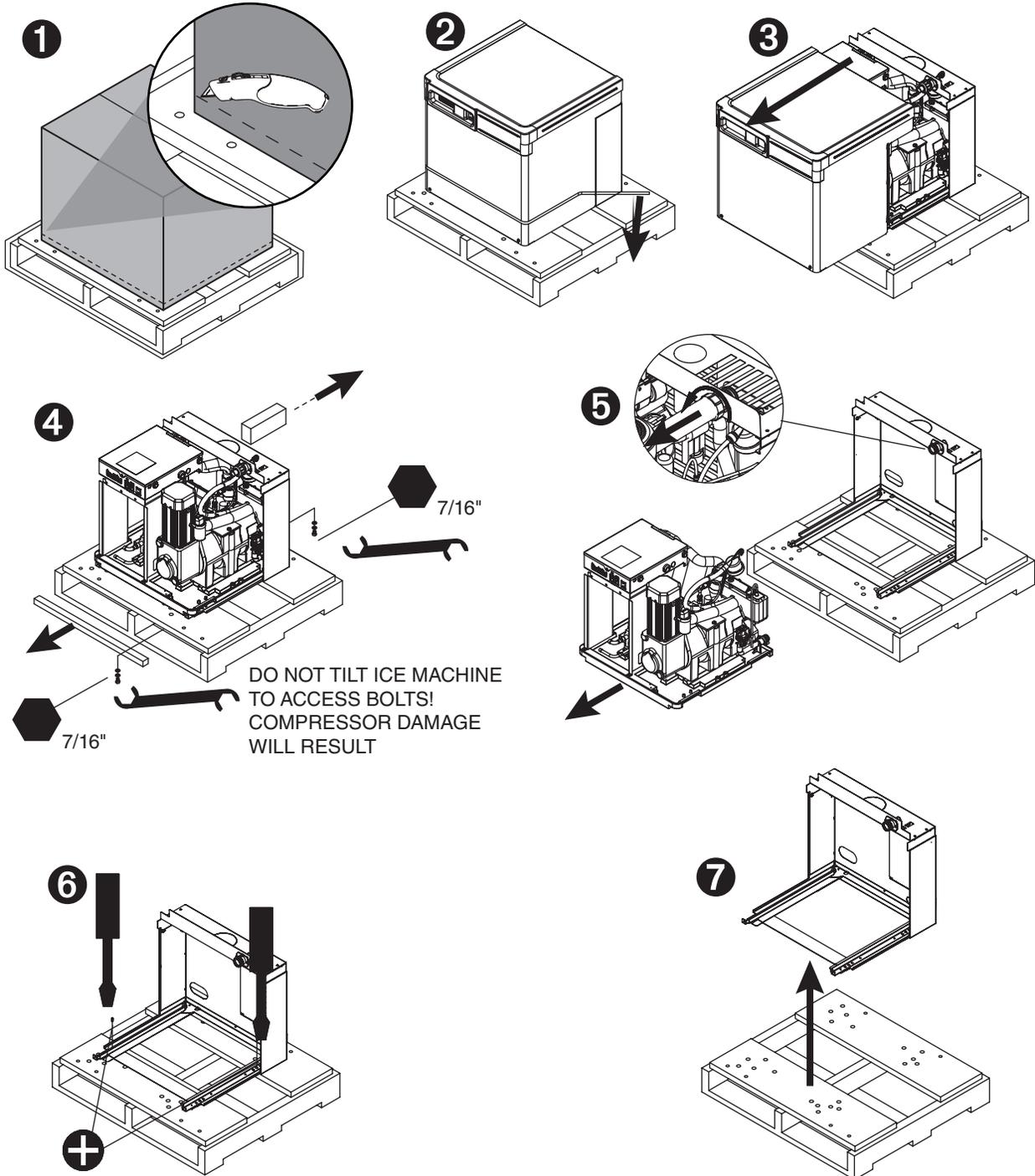
Carefully unpack and inspect the contents of your Follett ice machine.

Unpack

1



1.1 Unpack ice machine

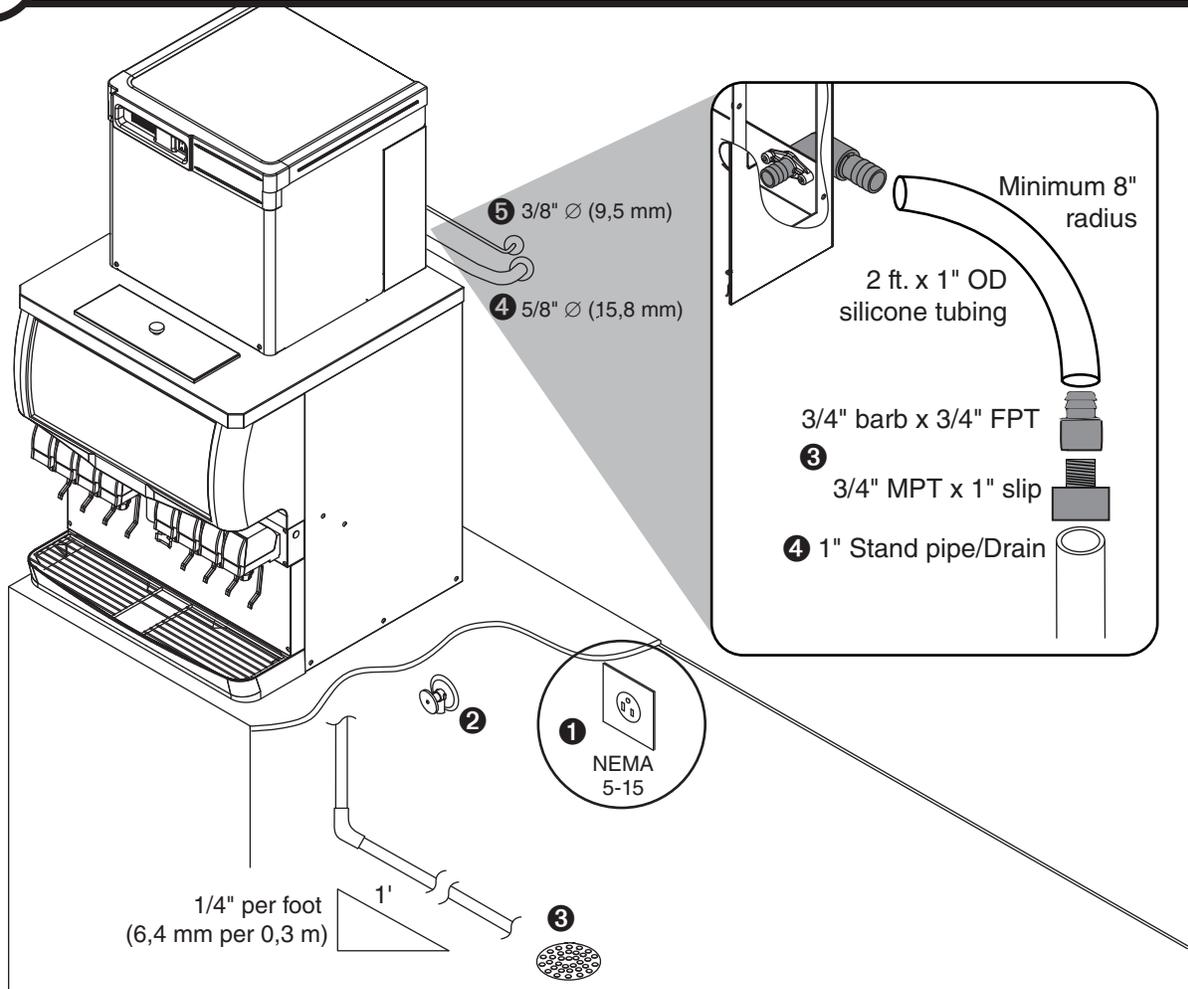


Prepare the installation site.

Provide drainage, water supply and electrical power to within 6 feet (2 m) 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

- 120/60/1-5 amps

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

- 10–70 psi (69–483 kpa)
- 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

Drain ③ (3/4" Barb)

- Minimum 8" radius on silicone drain line. Drain line from the ice machine must have at least 1/4" per foot pitch (6,4 mm/0,3 m).

Refrigeration lines ④

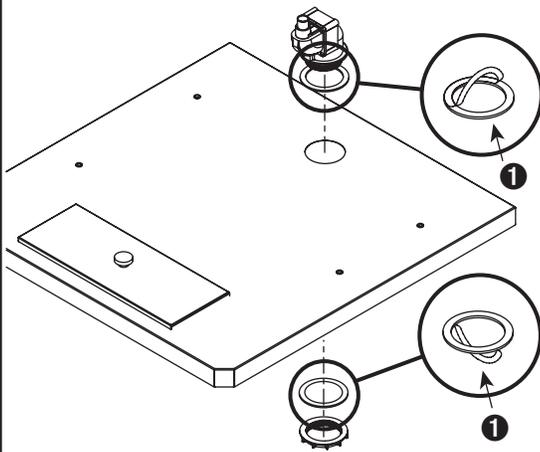
- 5/8" Ø (15,8 mm) diameter suction line (insulated) ④
- 3/8" Ø (9,5 mm) liquid line ⑤

Prepare the dispenser.

Note: The instructions below only apply to 22" and 30" wide dispensers. 44" wide dispenser instructions may be found with the top kit.



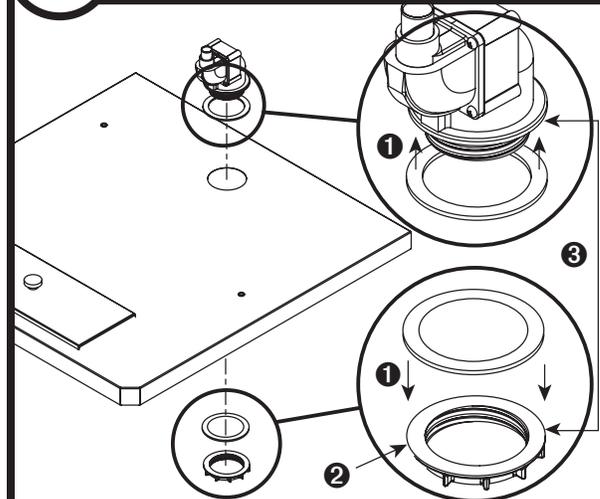
3.1 Top preparation – ALL



All models

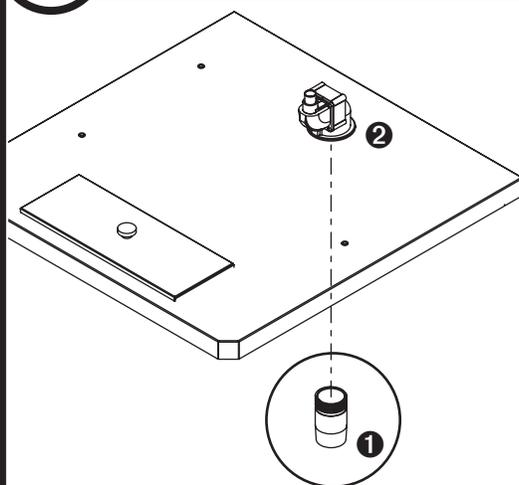
- Remove protective tape from gaskets ①

3.2 Top preparation – ALL



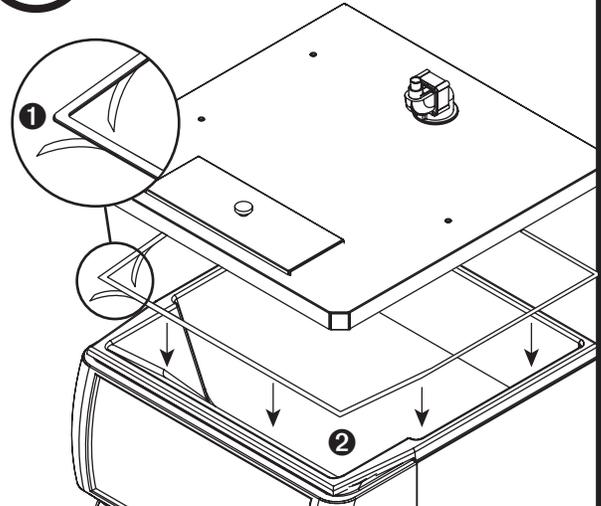
- Apply gaskets ①
- Install shuttle actuator ② through bottom of dispenser top and secure with locking nut ③

3.3 Top preparation – ALL



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

3.4 Top preparation – CORNELIUS



Cornelius models only

- Remove protective tape ①
- Apply gasket ②

3.5 Top preparation – LANCER

Lancer models only

- Remove protective tape ①
- Apply gaskets ②

3.6 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.

3.7 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.

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

X = ON
O = OFF

SWITCH NUMBER	AGITATION FREQUENCY															
	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	X	X	X	X	O	O	O	O	X	X	X	X	X
7	O	O	X	X	O	X	X	O	X	X	O	X	X	O	X	X
8	O	X	O	X	O	X	O	X	O	X	O	X	O	X	O	X

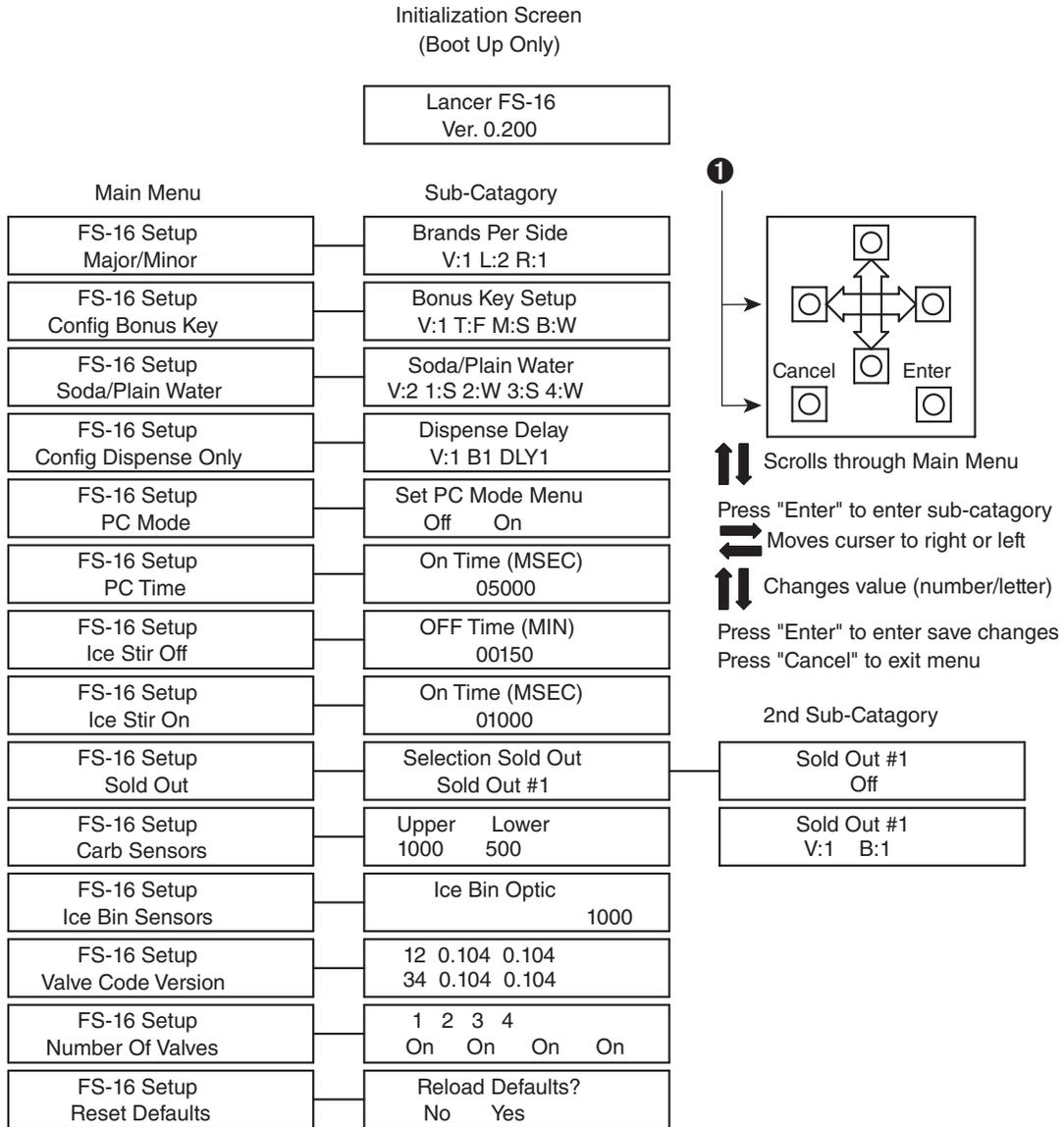
Lancer 4500 series only

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

3.8 Agitation adjustments – LANCER Sensation and Touchpoint

No agitation adjustment required

3.9 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 of off time and 1010 milliseconds (1 second of time) as the preferred setting

Note: See Lancer manual for more information.

3.10 Agitation adjustments – servend

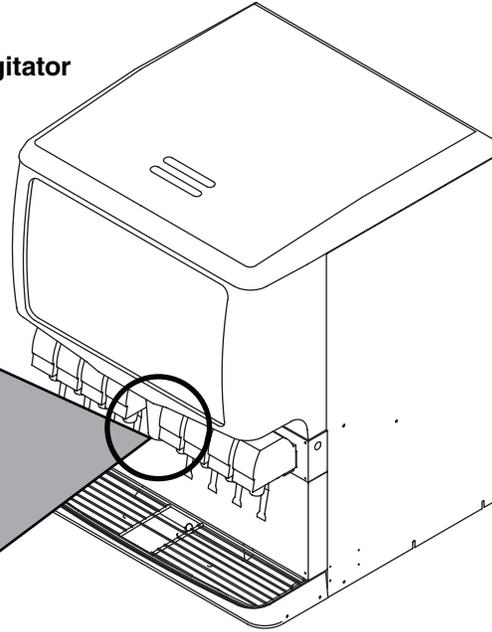
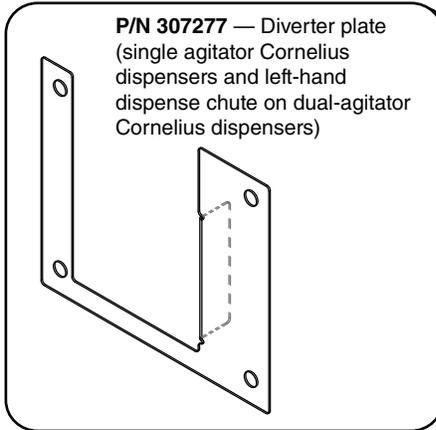
Servend models only

No agitation adjustment required.

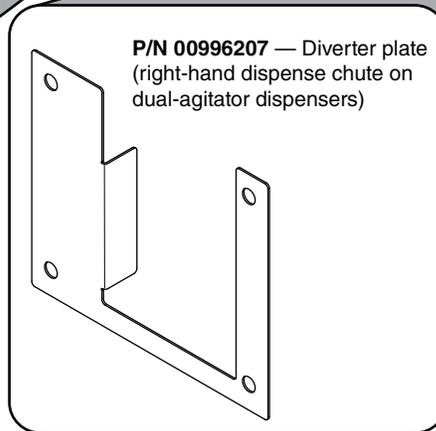
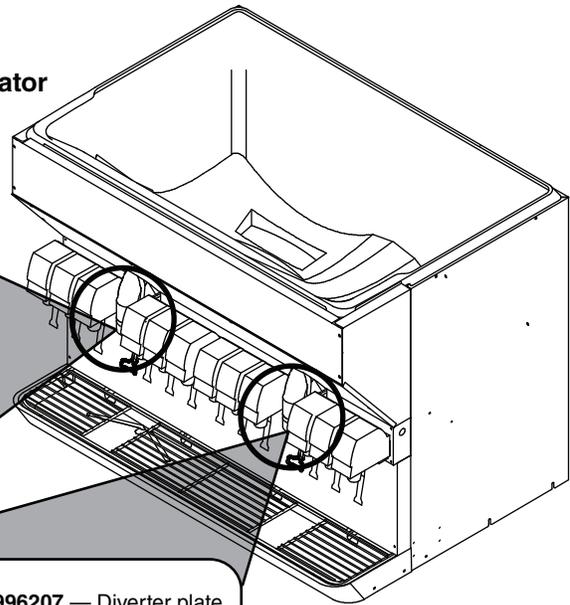
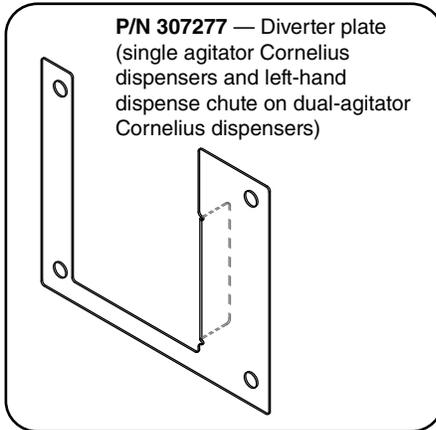
3.11

Dispenser diverter plate overview (Installation on next page)

Single Agitator

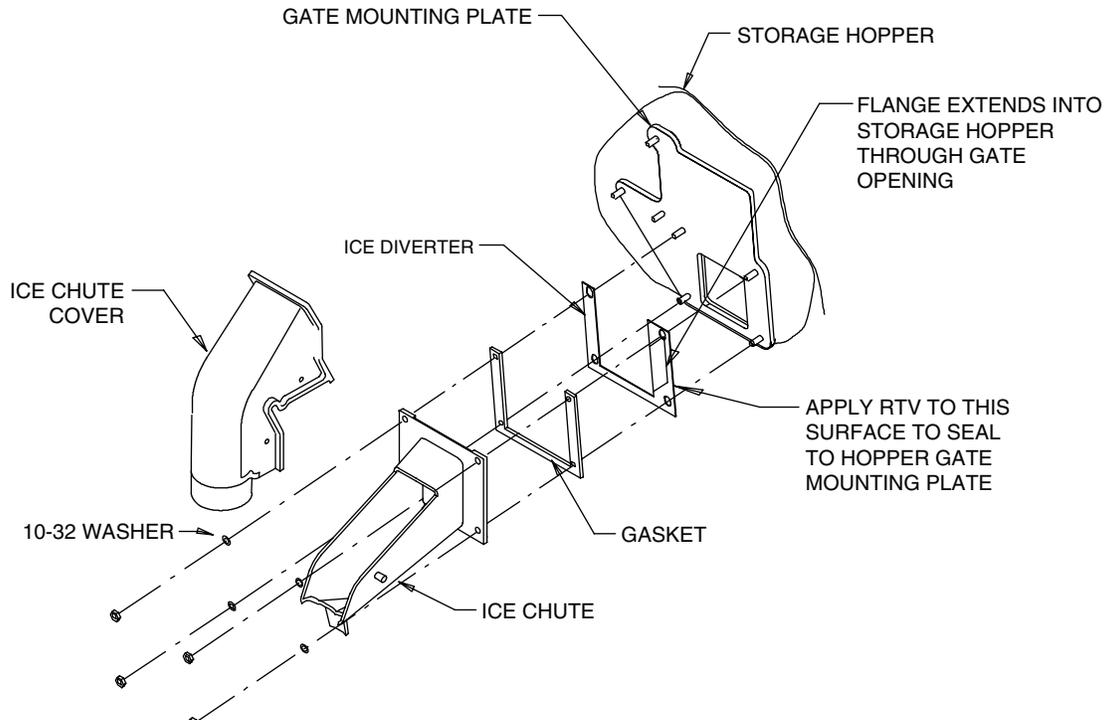


Dual Agitator



3.12

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.

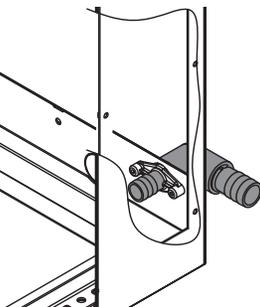
- Disassemble chute assembly
- Discard factory restrictor plate
- Replace with alternate diverter plate (supplied)

3.13

Agitation adjustments – Cornelius IDC and Flavor Fusion

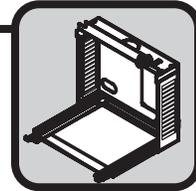
These dispensers require modifications for compatibility with Chewblet ice. Agitation times must be set to 1 second ON, 1 hour OFF and the ice restrictor plate must be adjusted to the fully open position. See your beverage supplier for these modifications.

BEFORE PROCEEDING

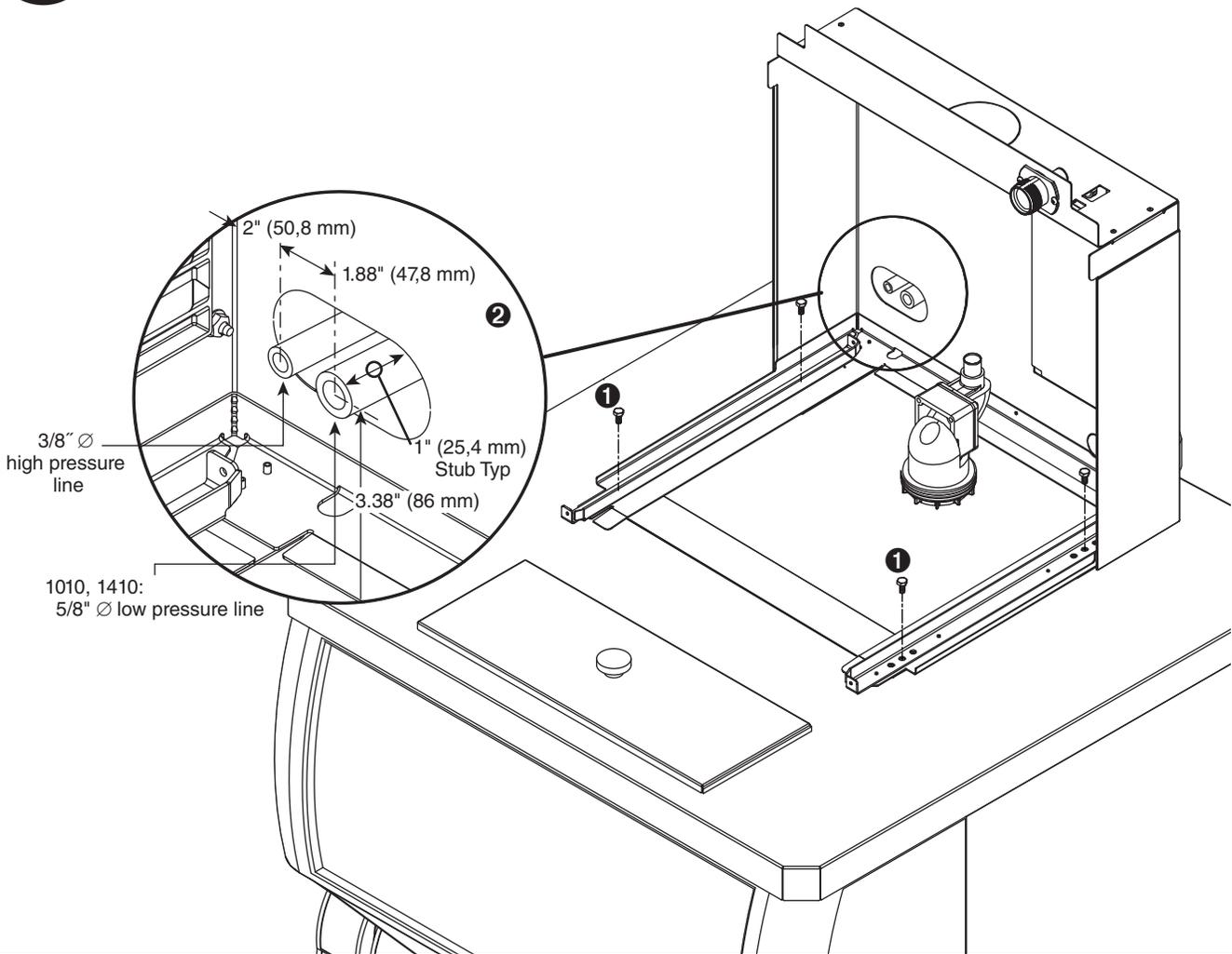


Prior to installing the docking assembly, ensure that the drain fitting is oriented (right or left) correctly for your installation. An optional straight drain fitting is also supplied. You may need to remove the back panel of the docking assembly in order to re-orient or change the drain fitting. Replace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

Install the docking assembly.



4.1 Docking assembly

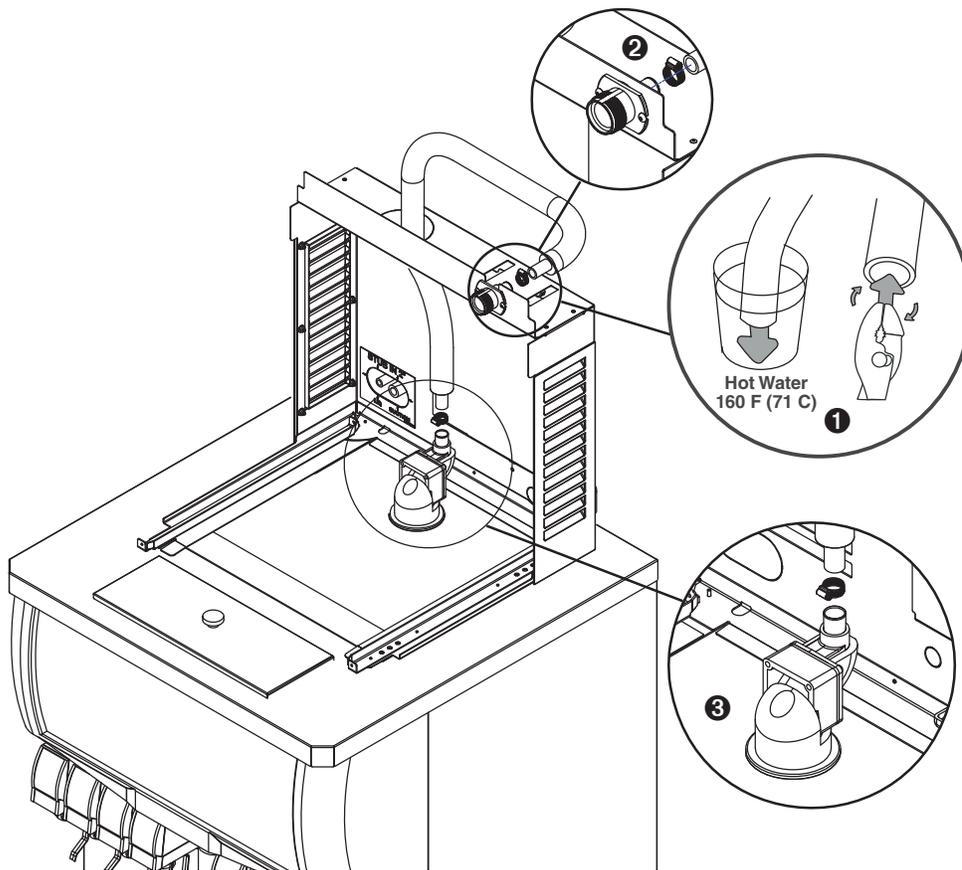


- Mount docking assembly ①
- “Rough-in” the refrigerant piping ②

Install the ice transport tube.

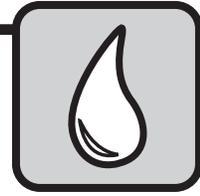


5.1 Ice transport tube

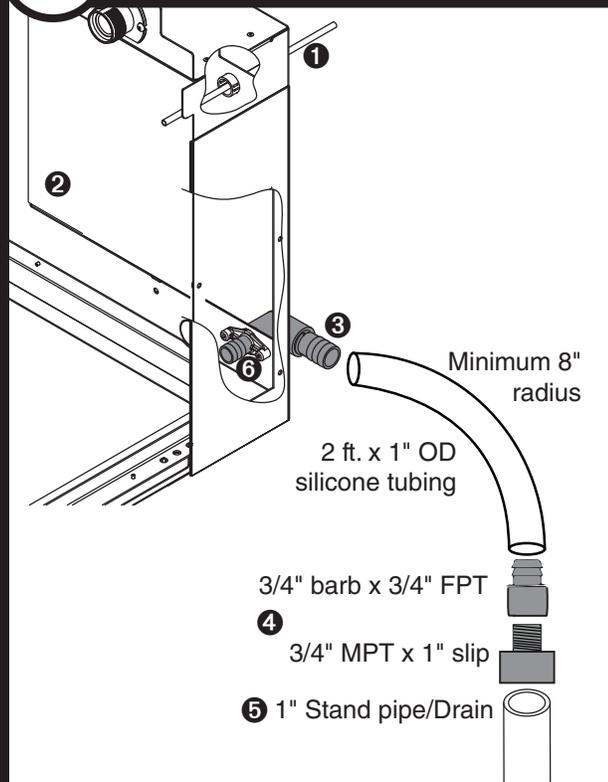


- Slide insulation onto ice transport tube
- Heat end of transport tube in cup of 160 F (71 C) hot water to soften and spread with pliers ❶ before making connection to ease assembly
- Connect ice transport tube to coupling on docking station ❷
- Connect ice transport tube to shuttle actuator ❸

Connect utilities to docking assembly.



6.1 Water and drain

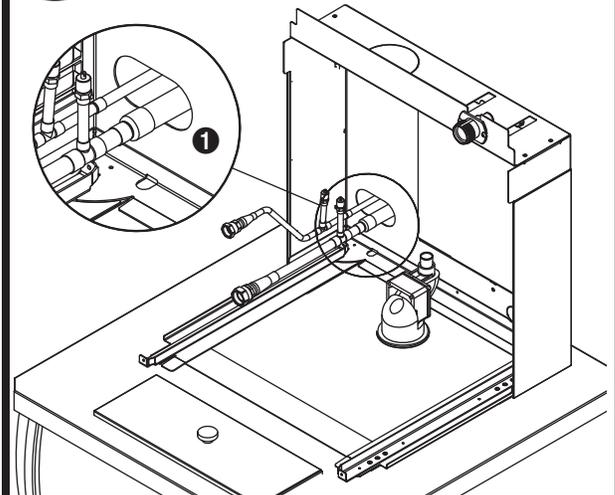


- Rough-in ice machine potable water supply ①.
3/8" push-in connection will be made at shut-off valve inside machine
- Remove access panel if necessary ②.
- Connect the silicone tubing to the ice machine 3/4" drain barb ③.
- Assemble the 3/4" barb x 3/4" FPT to the 3/4" MPT x 1" slip. Connect the other 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 (6,4 mm/0,3 m).

- Apply Petrol-gel to barbed drain fitting ⑥
- Replace access panel.

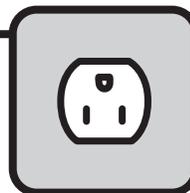
6.2 Refrigerant lines



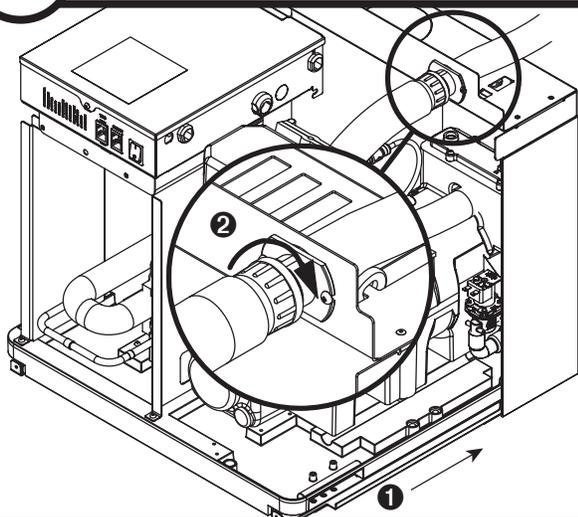
- Braze supplied quick-connect lines onto stub-ins ①.

Connect docking assembly to ice machine.

Internal connections **7**

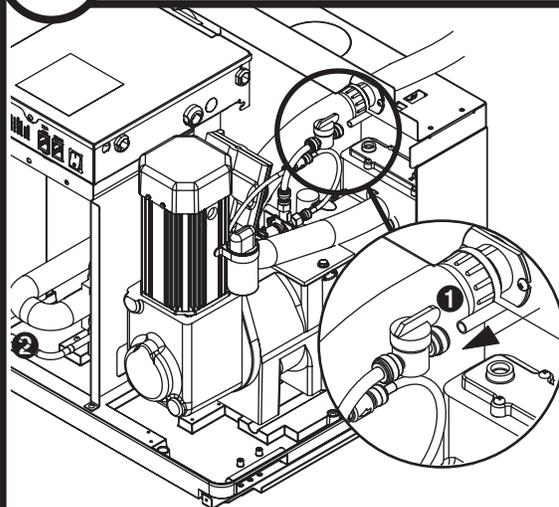


7.1 Ice transport tube installation



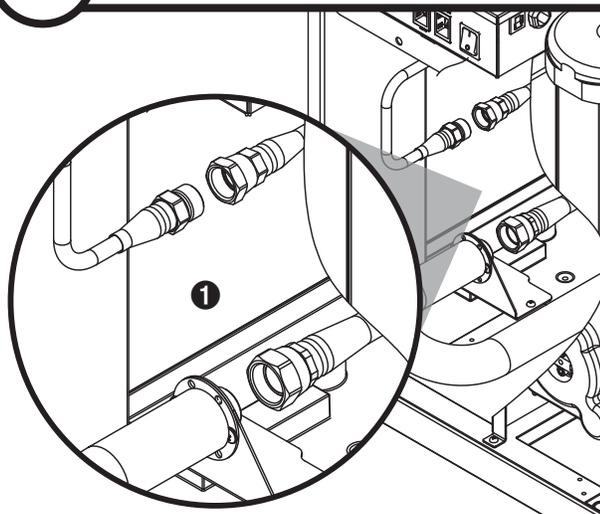
- Slide ice machine into docking assembly ensuring that drain tube is fully seated on barbed drain fitting **1**
- Insert ice transport tube all the way into coupling and tighten nut firmly **2**

7.2 Water line



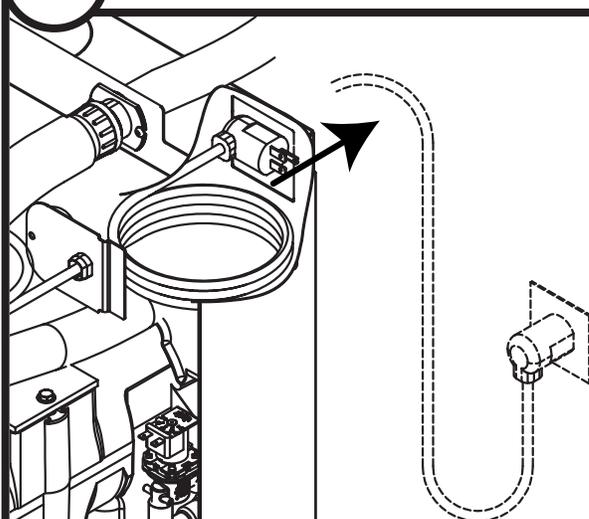
- Insert potable water line into valve **1**

7.3 Refrigeration lines



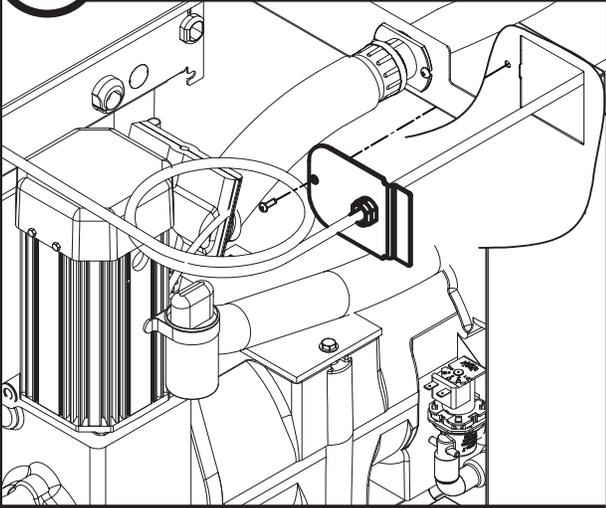
- Evacuate line set.
- Connect self-sealing liquid and suction line fittings **1**

7.4 Power cord



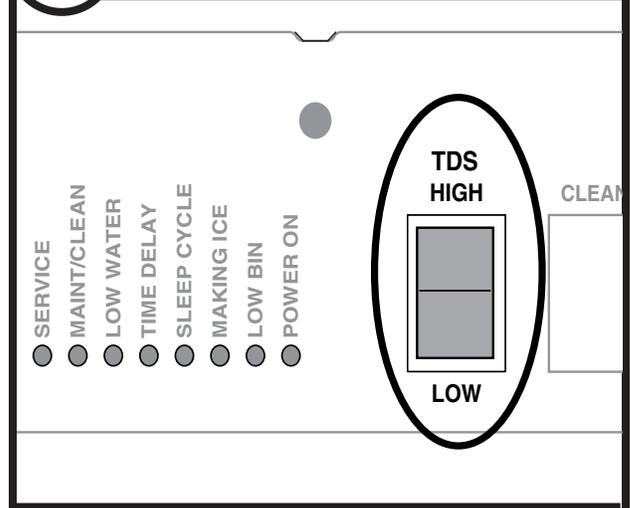
- Remove twist tie
- Carefully pass cord through opening and plug into wall outlet

7.5 Power cord



- Position plate into opening and secure with supplied screw

7.6 TDS switch



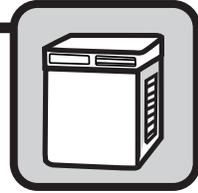
- Set the TDS switch on the electrical box:
HIGH: for extended service life
LOW: for low-scale water

NOTICE

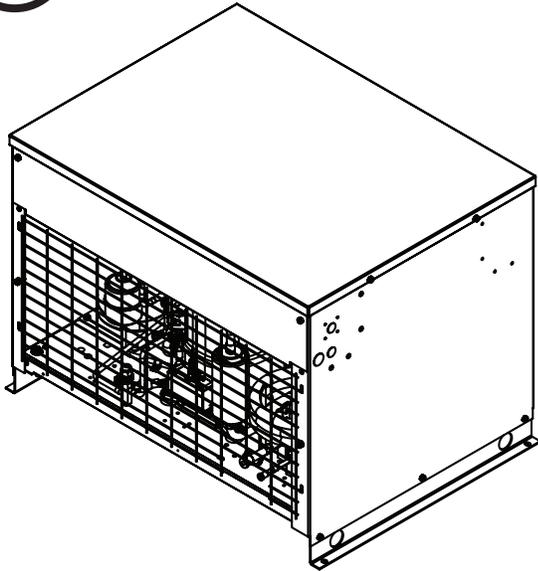
Ice machine MUST be sanitized prior to operation!
Consult Operation and Service Manual provided with ice machine for sanitizing instructions.

Install front cover to ice machine.

Front cover 8



8.1 Install condensing unit

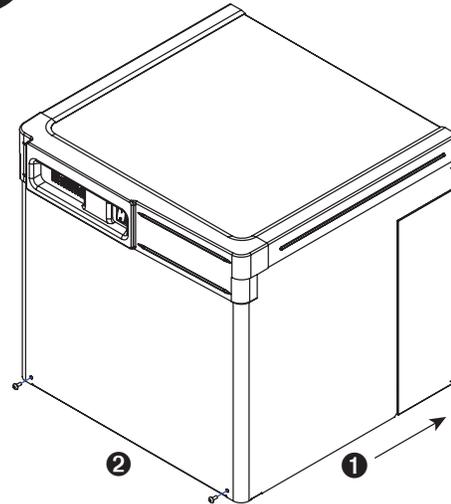


- Complete installation of condensing unit or connection to rack system.
- Required rack system capacity at 0 F (-18 C) evaporator (EPR supplied by installer).

1010N: 7,700 Btu/hr (1940 kcal/hr)

1410N: 10,000 Btu/hr (2519 kcal/hr)

8.2 Install ice machine front cover



- Slide ice machine cover over machine ①
- Insert and tighten two screws through cover and into docking assembly ②

Maestro, Micro Chewblet, Vision, Harmony, Ice Manager, Horizon, Horizon Elite are trademarks of Follett Products LLC. Chewblet, RIDE, Follett are registered trademarks of Follett Products LLC.