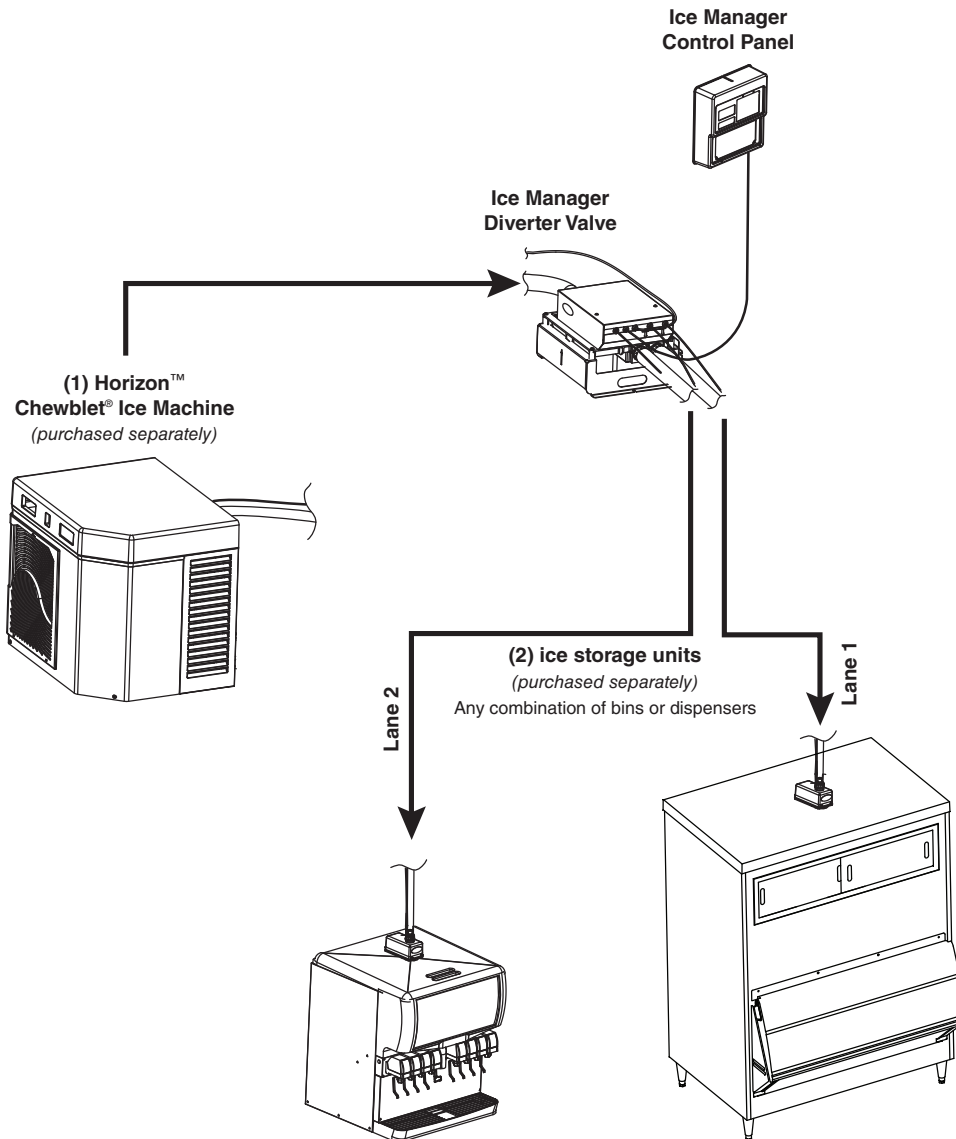
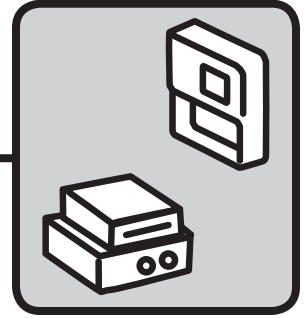


Ice Manager™ Diverter Valve System Installation Instructions

HCC1000AMS, HCC1400AMS, HCC1000WMS, HCC1400WMS,
HCD/HCF1000RMS, HCD/HCF1400RMS, HCD/HCF1650RMS,
HCD1000NMS, HCD1400NMS, HCD1650NMS
(See model number configurator on page 2 for details.)

Order parts online
www.follettice.com



Chewblet® Ice Machine Model Number Configurations

HC
C
1000
A
V
S

Icemaker	Voltage	Series	Condenser	Application	Configuration
MC Maestro Chewblet (400 Series)	C 208-230/60/1 (icemaking head) <i>Self-contained only.</i>	400 up to 454 lbs (206kg)	A Air-cooled, self-contained W Water-cooled, self-contained	V Vision™ H Harmony™	S RIDE™
	D 115/60/1 (icemaking head) <i>Self-contained and remote.</i>	1000 up to 1036 lbs (471kg)	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	(RIDE remote ice delivery equipment) T Top-mount
HC Horizon Chewblet (1000, 1400, 1650 Series)	E 230/50/1 (icemaking head) <i>Self-contained only.</i>	1400 up to 1450 lbs (658kg)			
HM Horizon Micro Chewblet	F 115/60/1 (icemaking head) <i>Remote only. High side is 208-230/60/3.</i>	1650 up to 1580 lbs (717kg)			

Special tools required

- 3.50" (88.9mm) hole saw: Required for ice and beverage dispensers manufactured by others or existing bins
- 2.50" (63.5mm) hole saw: Required for drop-in dispensers
- 1.75" (44.5mm) hole saw: Required for drop-in dispensers

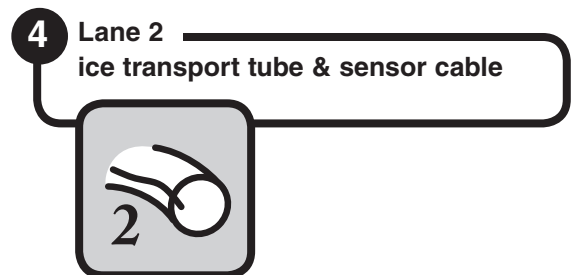
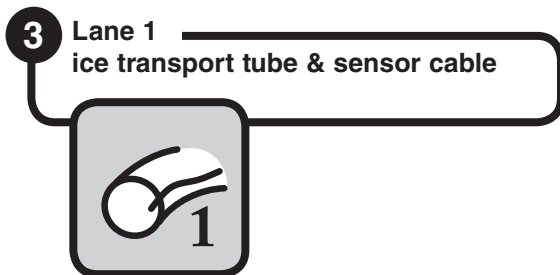
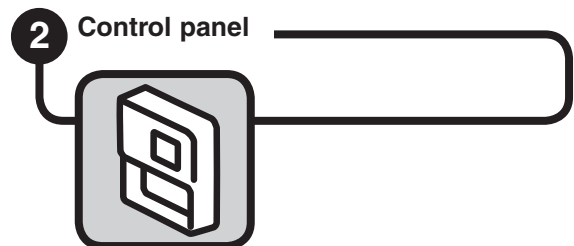
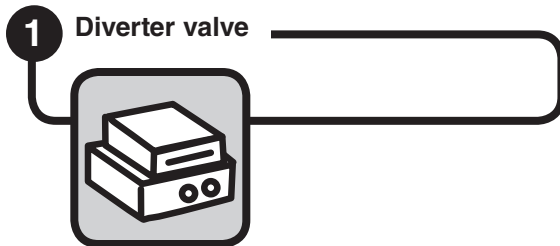
Ice Manager diverter valve system

The Ice Manager diverter valve system delivers ice to two ice storage units enabling a single ice machine to meet demand for ice at two locations. The system's sensors monitor ice levels in each storage unit and automatically switch ice delivery to the appropriate location.

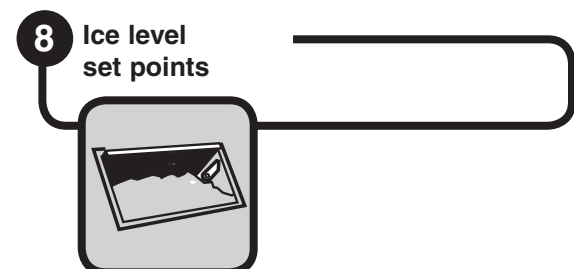
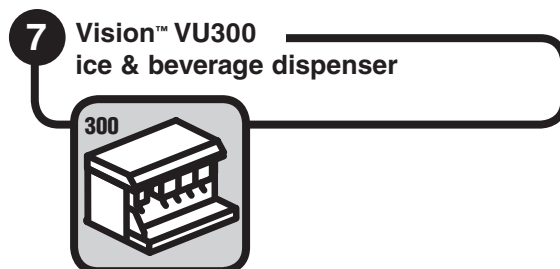
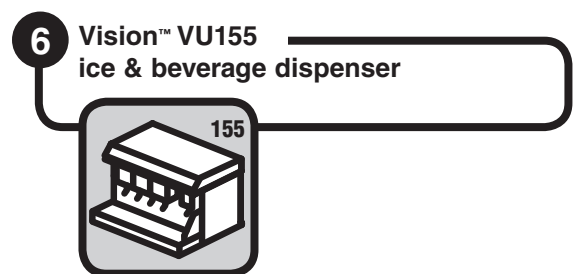
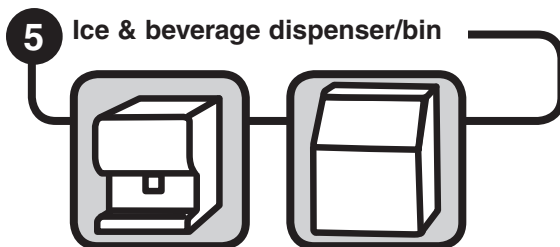
Carefully review system overview (pages 4 & 5) and be sure that you have a copy of the Follett approved site survey before proceeding with installation steps.

After thorough review of the site survey, install Horizon ice machine and dispenser/bin(s) using the installation guide provided with each unit.

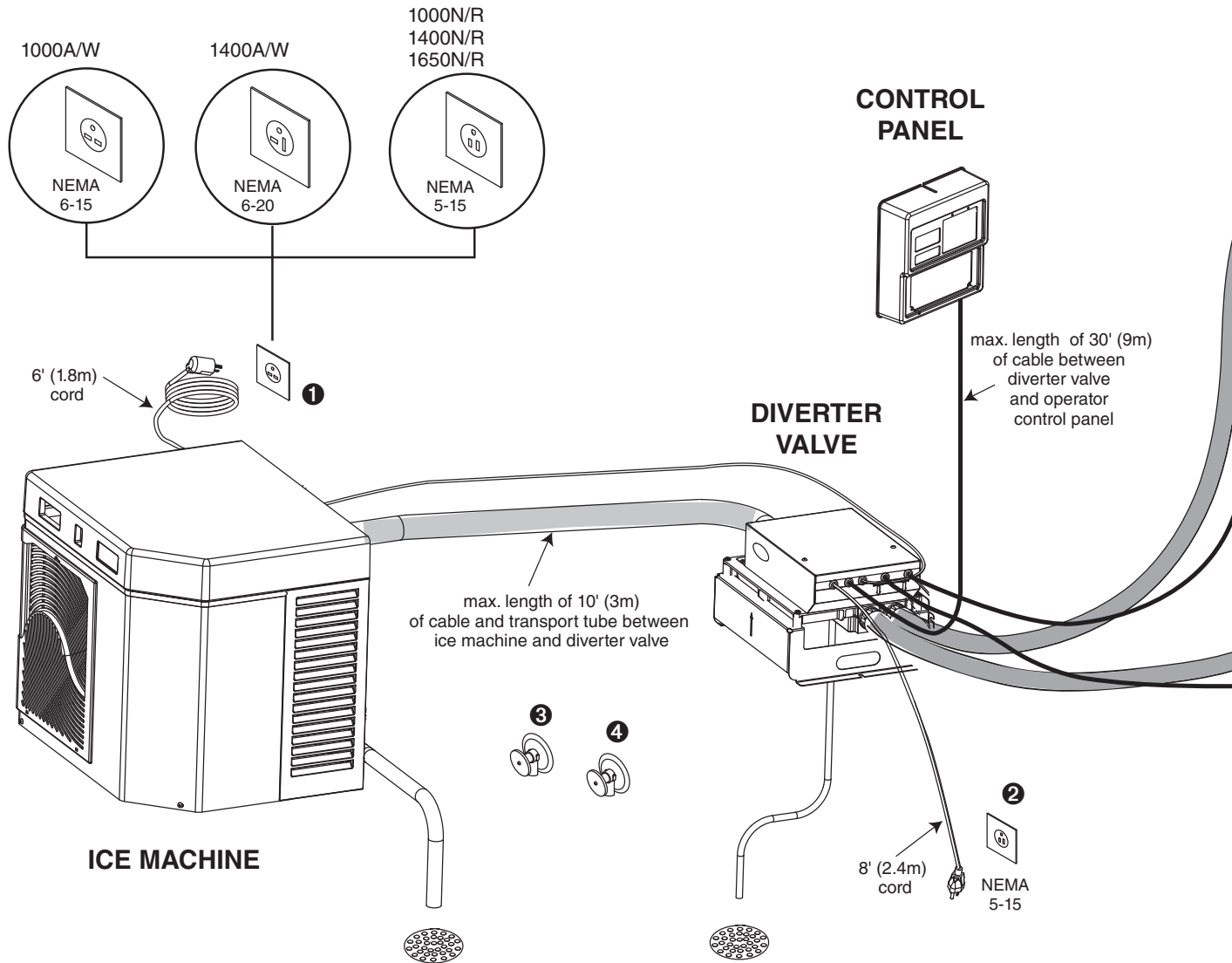
Read and complete installation sections 1 through 4.



Read and complete installation sections below that apply to your specific application.



Ice Manager - Site preparation and system overview



Electrical - ice machine ①

- 1000 (A/W) 208-230/60/1, 11A, max. ice machine fuse 15A
- 1400 (A/W) 208-230/60/1, -5%/+10% under peak load. 16A, max. ice machine fuse 20A
- 1000 (R/N)
Evap. 110/60/1, 6A; max. ice machine fuse 15A
- 1400 (R/N)
Evap. 115/60/1, 6A; max. fuse 15A
- 1650 (R/N)
Evap. 115/60/1, 6A; max. fuse 15A

Condenser (R models only)

	1000R		1400R		1650R	
	Single	3-Phase	Single	3-Phase	Single	3-Phase
Electrical	208-230V, 60 Hz					
Max Circuit HVACR Breaker Size	15A	15A	30A	25A	50A	35A
Min Circuit Ampacity	10.7A	9.9A	20.0A	14.0A	29.9A	21.2A

Electrical - Ice Manager ②

- 115/60/1, 1.5 amps; max. fuse 15 amps

Drains

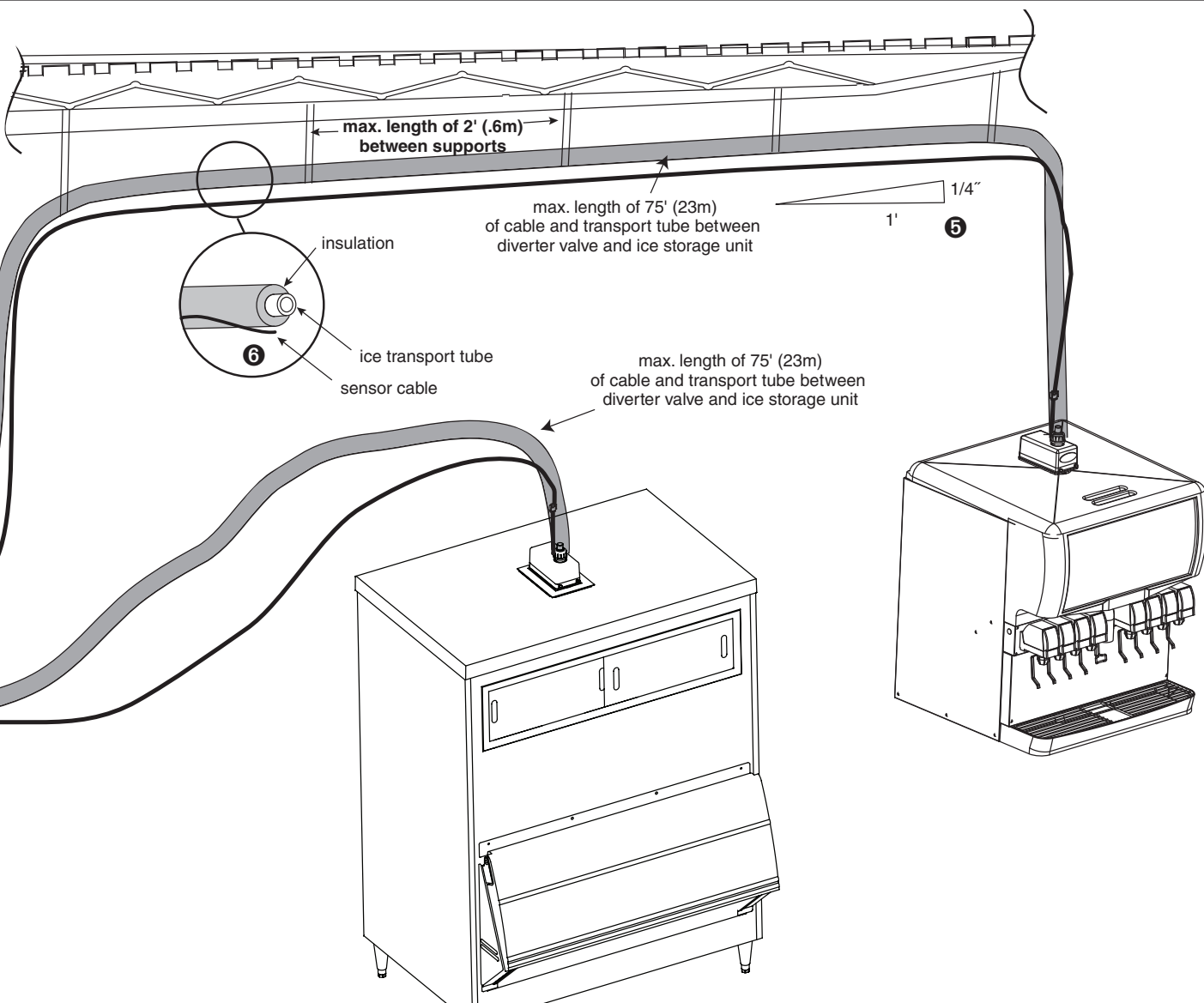
- Ice machine - 3/4" MPT - 3/4" FPT X SOC, elbow provided, no vent required
- Ice Manager - 3/8" (9.5mm) barb - 15 ft. (4.6m) 3/8" (9.5mm) I.D. tubing provided

Potable water supply - ice machine ③

- 10 - 70 psi (69 - 483kpa)
- 45 F to 90 F (7 C to 32 C)
- Follett recommends the use of an in-line water filter (item# 00130286)

Condenser water supply for water-cooled systems ④

- 10 psi min.; 150 psi max. (69kpa min.; 1034kpa max.)
- 45 F to 90 F (7 C to 32 C)
- 1.5 gallons per minute (5.68 liters per minute)



Temperature and humidity requirements

- All components, including ice transport tube, must be operated in ambient temperatures between 40 F and 20 F (5 C and 49 C)
- Relative humidity not to exceed 55%

Ice transport tube requirements

- Maximum vertical rise of 10' (3m) from ice machine to highest elevation of tube
- Use one continuous piece of ice transport tube. Do not splice.
- Horizontal run should be pitched so that melt water drains back to diverter valve. Ice transport tube run must have at least 1/4" per foot pitch (6.4mm/0.3m) ⑤
- Secure ice transport tube as needed to eliminate dips and traps
- Insulate all ice transport tube runs, making sure that sensor cable runs outside of the insulation ⑥

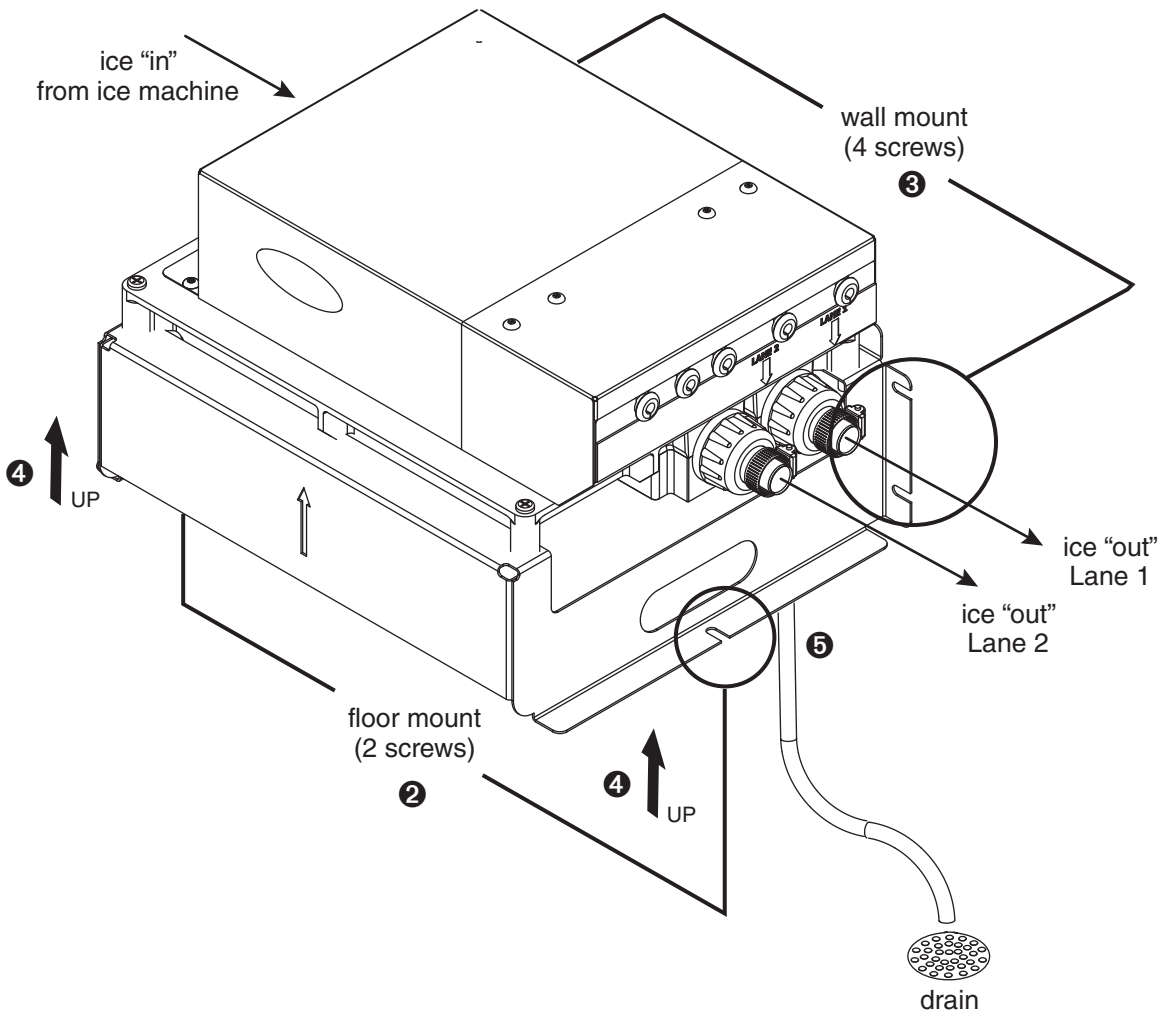
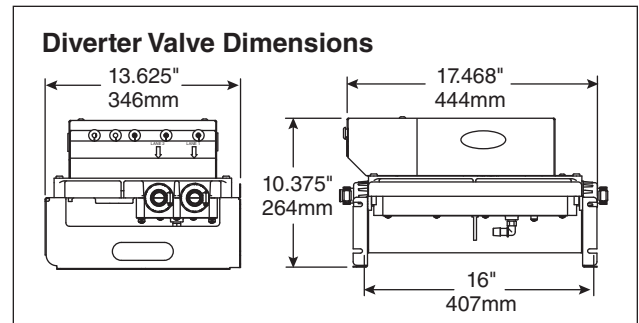
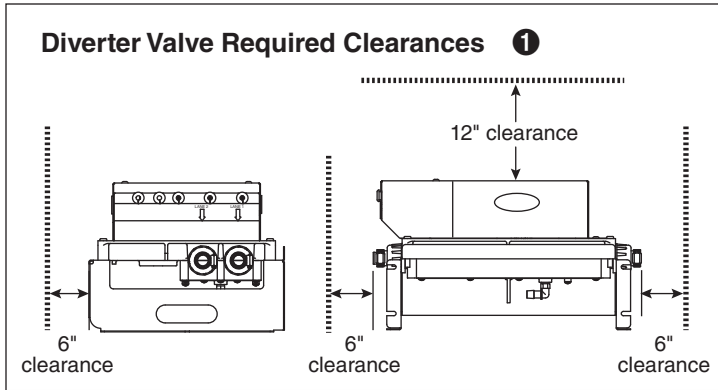
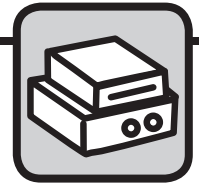
Ice transport tube and cable distance requirements

- Ice machine to diverter valve - maximum run of 10' (3m)
- Diverter valve to operator control panel - maximum run of 30' (9m)
- Diverter valve to ice receptacle - maximum run of 75' (23m)
- Distance between ice transport tube supports - maximum of 2' (0.6m)

Operating temperature requirements

- Ice Manager diverter valve system components, including ice transport tube must be operated in ambient temperatures between 40 F and 120 F (4.5 C and 49 C)

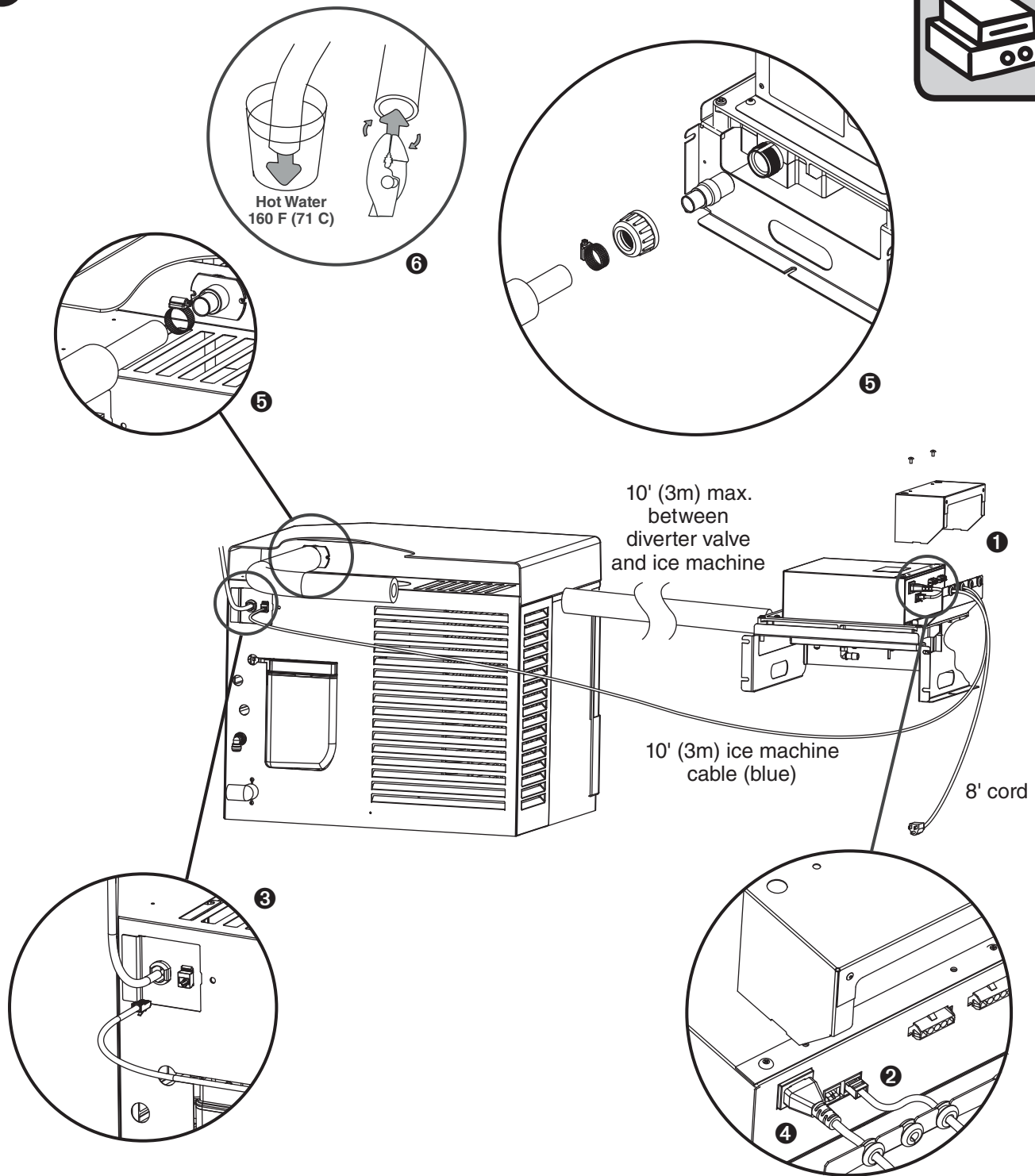
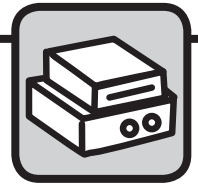
1 Diverter valve



Mount diverter valve

- Minimum side clearances of 6" (153mm) required 1
- Minimum top clearance of 12" (305mm) required 1
- Diverter valve bracket may be mounted on the floor 2 or on the wall 3 using (4) anchors capable of supporting min. 40 lb (18kg)
- Diverter valve unit MUST face up 4
- Drain tube connects to fitting on underside of diverter valve 5

1 Diverter valve



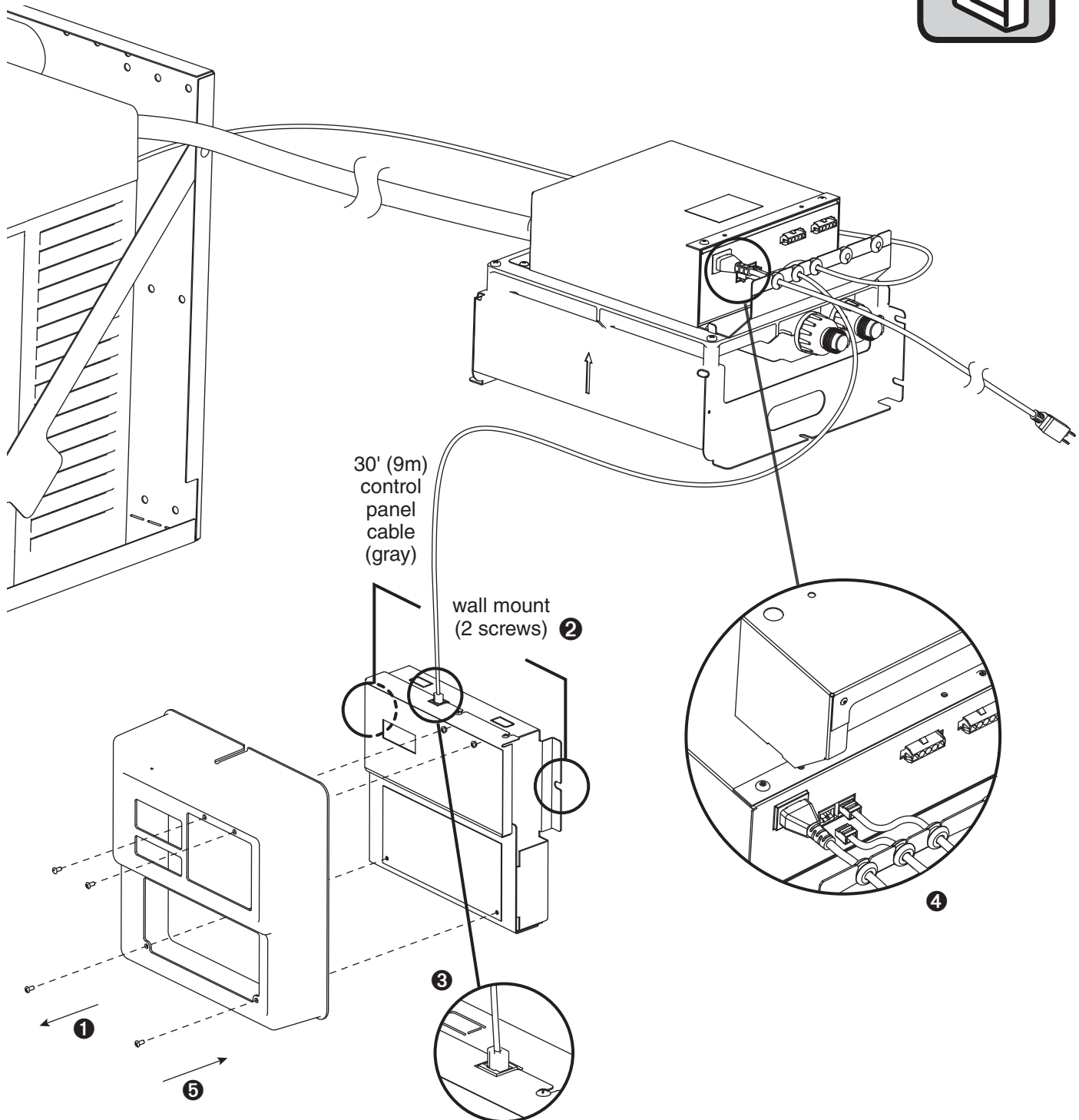
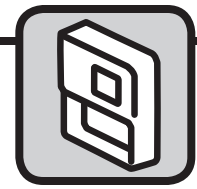
Connect diverter valve to ice machine†

- Remove connection cover from diverter valve ①
- Connect blue ice machine cable to diverter valve ②
Note: Control cable run not to exceed 10' (3m).
- Connect blue ice machine control cable to ice machine ③
- Connect power cord to diverter valve ④
- Run insulated ice transport tube to diverter valve

⑤ using guidelines in “Site Preparation - Overview” on pages 4 & 5. Heat end of transport tube in cup of 160 F (71 C) hot water to soften and spread with pliers ⑥ before making connection to ease assembly and prevent stainless coupler edge from cutting inner wall of tube.
Note: Ice transport tube run not to exceed 10' (3m).

† If Horizon ice machine is an existing unit install applicable retrofit kit before completing this portion of installation (retrofit instructions are included with retrofit kit).

2 Control panel



Mount control panel

- Remove cover from control panel ①
- Mount panel to wall ② using wall anchors if needed

Connect control panel to diverter valve

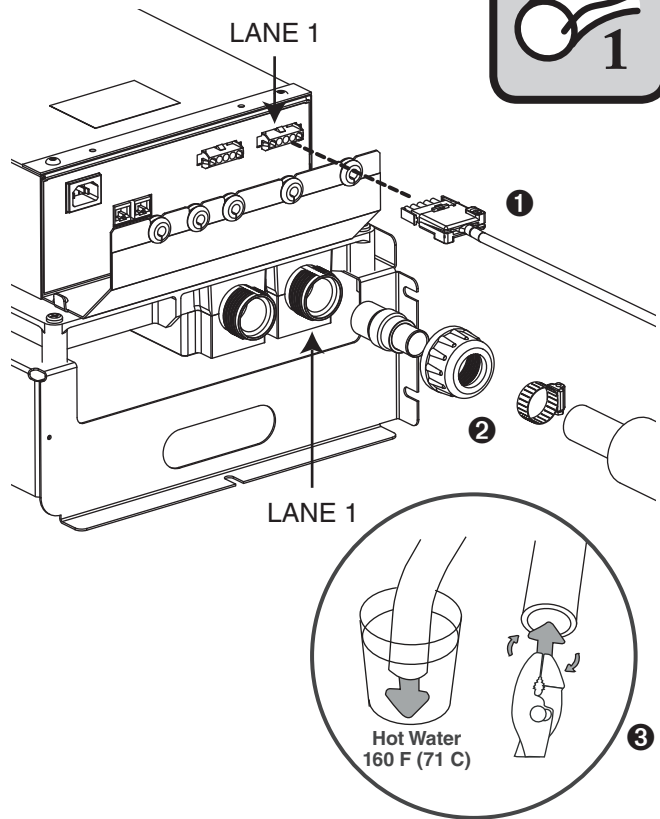
- Connect gray control panel cable to control panel ③
- Connect gray control panel cable to diverter valve ④
Note: Control panel cable run not to exceed 30' (9m).
- Replace control panel cover ⑤

3 Lane 1

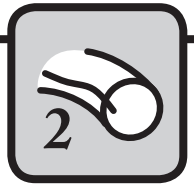


Ice transport tube and sensor cable

- Use the site survey to identify lane 1 dispenser or bin
- Measure ice transport tube run and sensor cable run from lane 1 dispenser/bin to diverter valve
- Verify that run lengths comply with requirements on pages 4 & 5
- Insulate ice transport tube
- Secure insulated ice transport tube and sensor cable as needed from dispenser/bin to diverter valve, being certain to prevent dips and traps from forming. See guidelines on pages 4 & 5.
- Pitch tube at least 1/4" per foot (6.4mm/0.3m). Tube must drain towards diverter valve.
- Connect lane 1 sensor cable ① and insulated ice transport tube ② to diverter valve
- Heat end of transport tube in cup of 160 F (71 C) hot water to soften and spread with pliers ③ before making connection to ease assembly
- Visually inspect inside of plastic coupling for burrs and remove as needed
- Hand-tighten cap nut on the coupling at diverter valve

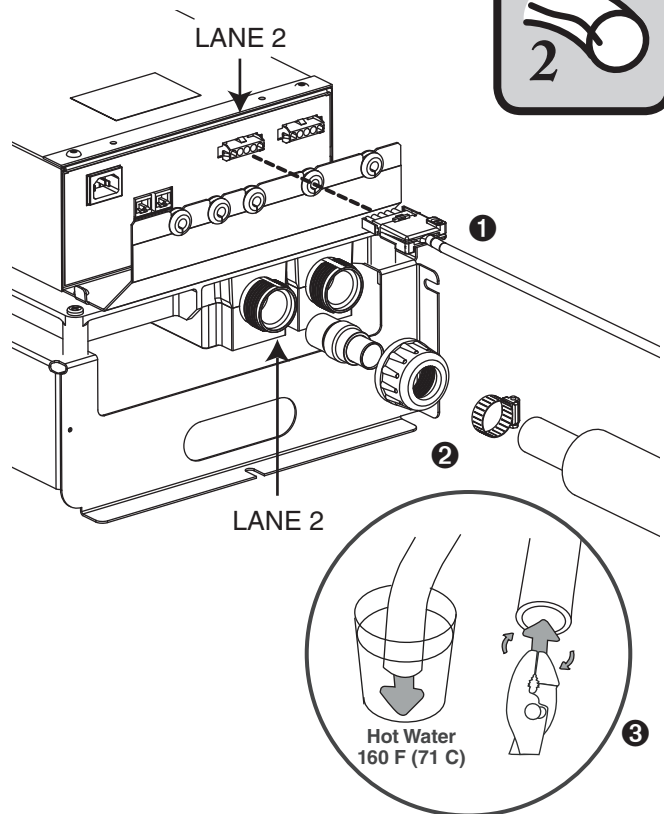


4 Lane 2

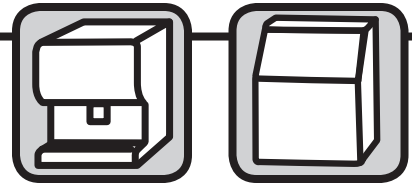


Ice transport tube and sensor cable

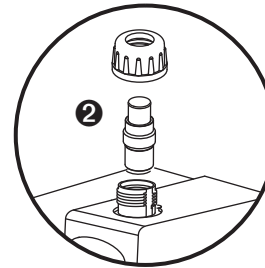
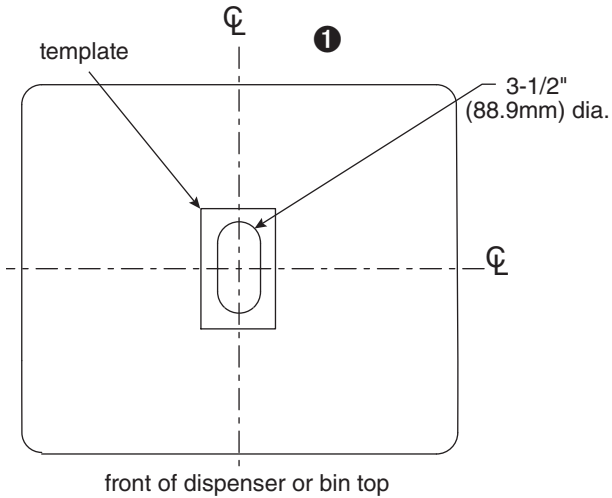
- Use the site survey to identify lane 2 dispenser or bin
- Measure ice transport tube run and sensor cable run from lane 2 dispenser/bin to diverter valve
- Verify that run lengths comply with requirements on pages 4 & 5
- Insulate ice transport tube
- Secure insulated ice transport tube and sensor cable as needed from dispenser/bin to diverter valve, being certain to prevent dips and traps from forming
- Pitch tube at least 1/4" per foot (6.4mm/0.3m). Tube must drain towards diverter valve.
- Connect lane 2 sensor cable ① and insulated ice transport tube ② to diverter valve
- Heat end of transport tube in cup of 160 F (71 C) hot water to soften and spread with pliers ③ before making connection to ease assembly
- Visually inspect inside of plastic coupling for burrs and remove as needed
- Hand-tighten cap nut on the coupling at diverter valve



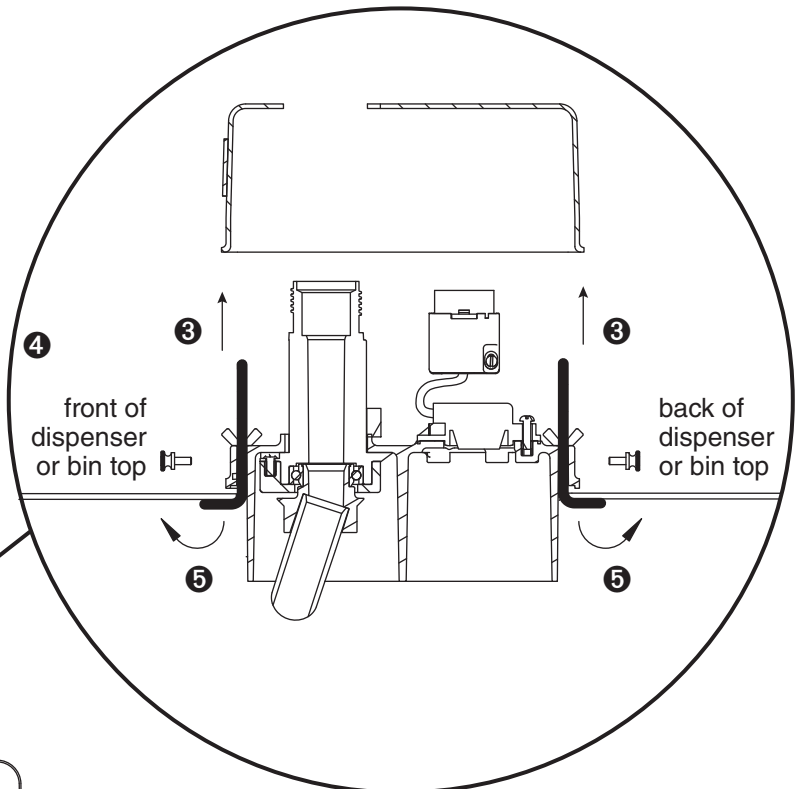
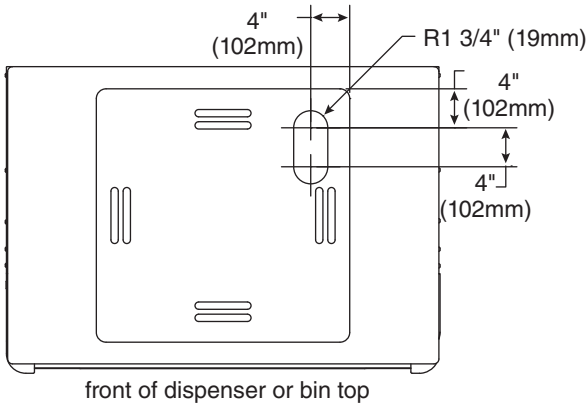
5 Ice & beverage dispenser/bin



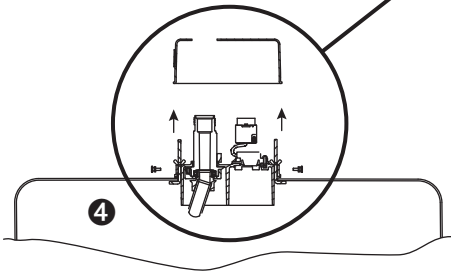
All other dispensers



ED300 dispenser only



front of dispenser or bin top



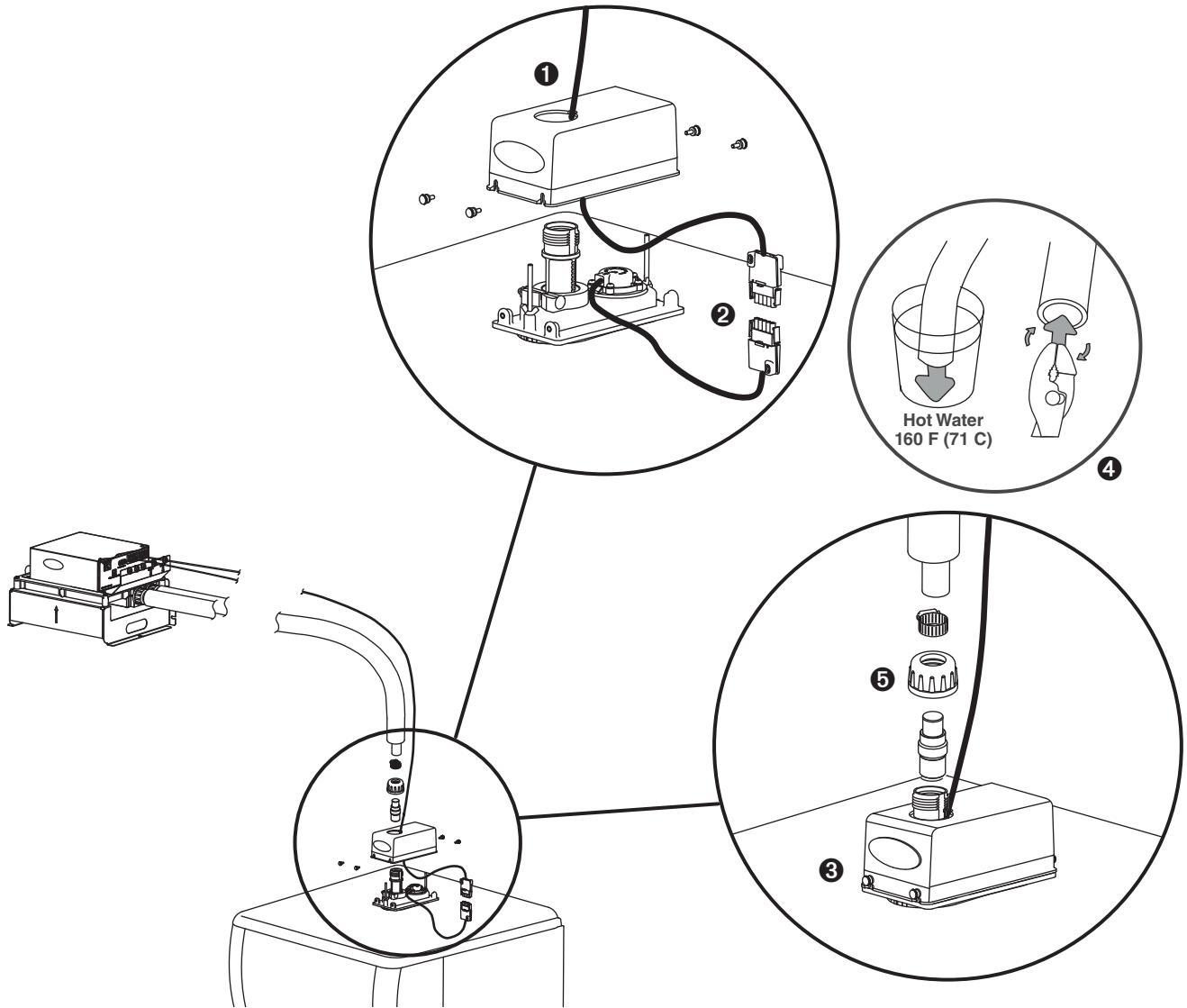
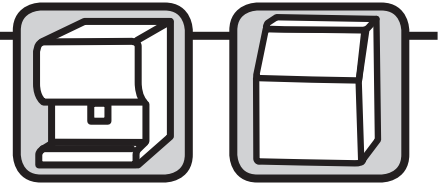
Prepare ice & beverage dispenser/bin top

- Locate center of ice & beverage dispenser (IBD) top (all models except ED300) 1
- Using supplied template and 3.5" dia. hole saw, cut top to template

Note: See drawing above for ED300 dispenser top cut out.

Mount sensor distribution unit

- Unscrew cap nut and remove center assembly 2
- Loosen screws and remove cover 3
- Turn short arm of angle rods so unit can be lowered into hole of IBD top
- Position unit into IBD top with tube at the front 4
- Turn angle rods to face outward 5
- Tighten wing nuts until arms of both rods press firmly against underside of IBD top securing body of sensor distribution unit

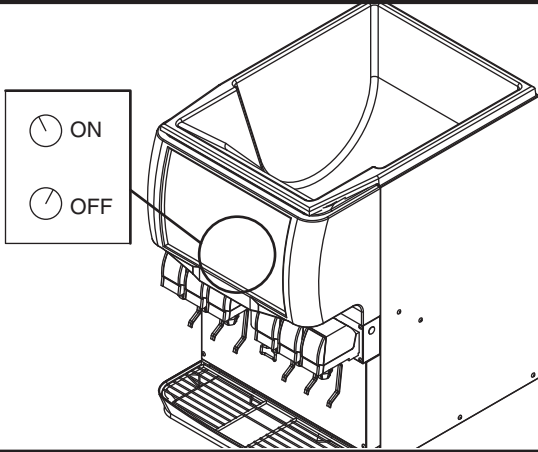


Connect ice transport tube & sensor cable

- Thread sensor cable through top of sensor distribution unit ①
- Connect sensor pigtail to sensor cable ②
- Tuck cable inside sensor unit replace top and tighten screws ③
- Heat end of transport tube in cup of 160 F (71 C) hot water to soften and spread with pliers ④ before making connection to ease assembly and prevent stainless coupler edge from cutting inner wall of tube.
- Connect insulated ice transport tube ⑤



Agitation adjustments – CORNELIUS



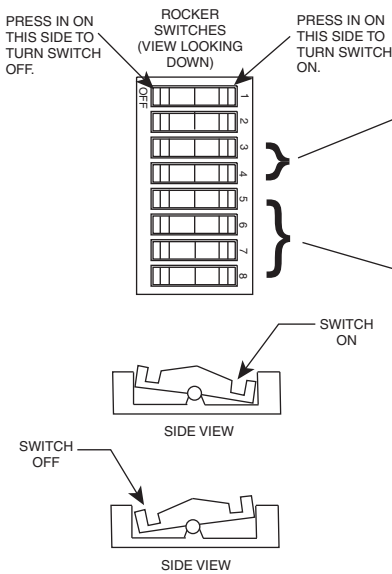
Cornelius models ED, DB, DF, IDC and Flavor Fusion

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

Agitation adjustments – SERVEND

SerVend models only
No agitation adjustment required

Agitation adjustments – LANCER 4500 SERIES



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

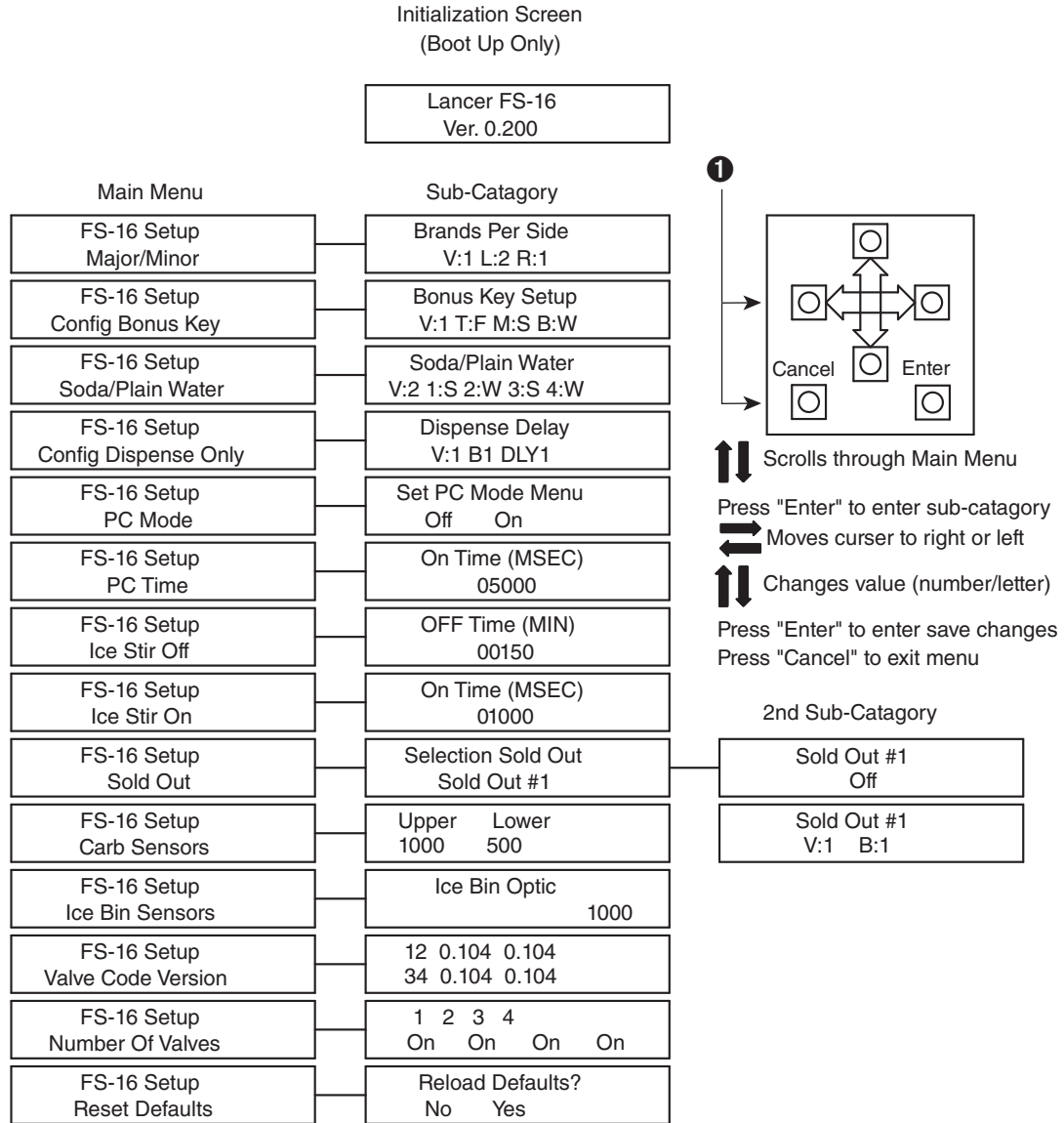
SWITCH NUMBER	AGITATION FREQUENCY															
	NO AGITATION	10 MINUTES	20 MINUTES	30 MINUTES	40 MINUTES	50 MINUTES	60 MINUTES	70 MINUTES	80 MINUTES	90 MINUTES	100 MINUTES	110 MINUTES	120 MINUTES	130 MINUTES	140 MINUTES	150 MINUTES
5	O	O	O	O	O	O	O	X	X	X	X	X	X	X	X	X
6	O	O	O	X	X	X	X	O	O	O	O	X	X	X	X	X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

Lancer 4500 series only

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



Agitation adjustments – LANCER FS SERIES

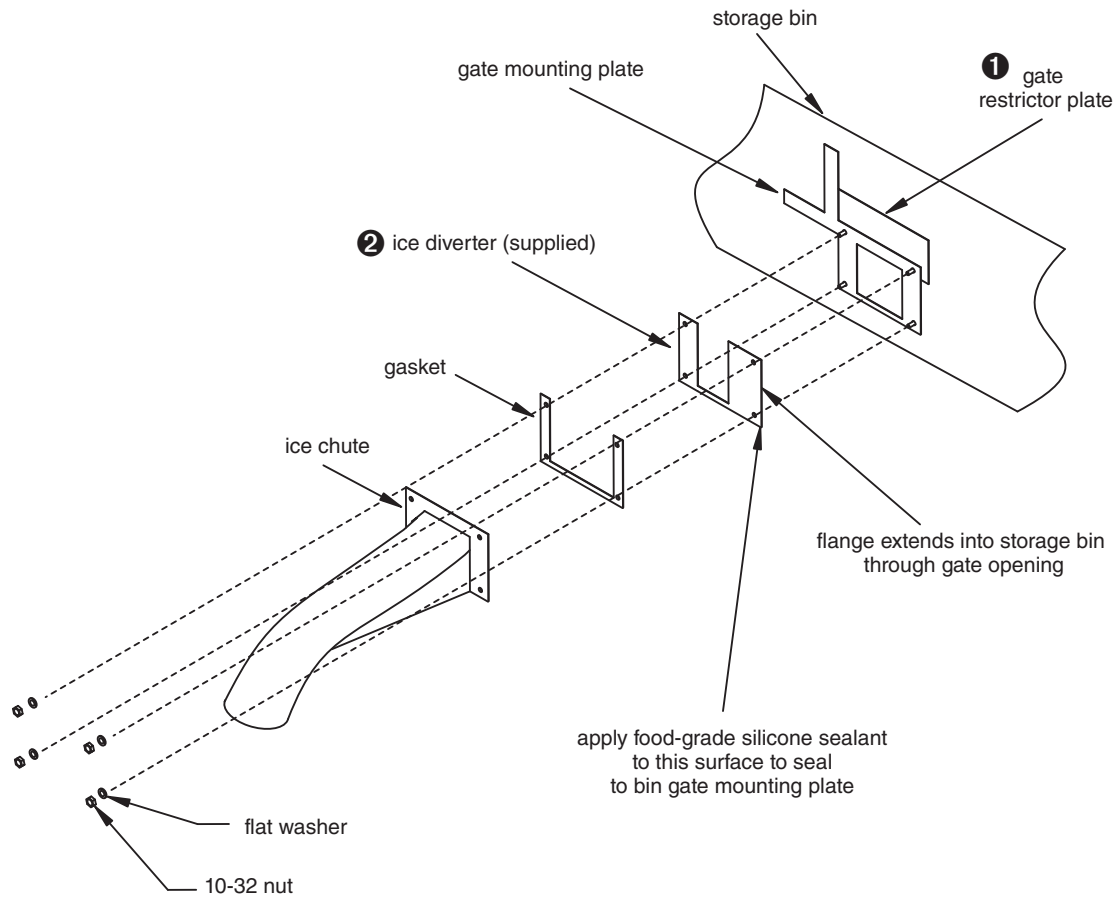


Lancer FS series only

- Hold down “cancel” and “left button” to get to hidden menu ①
 - Type in code 6655
 - Type in 150 minutes “off time” and 1000 milliseconds (1 second of time) as the preferred setting
- Note:** See Lancer manual for more information



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



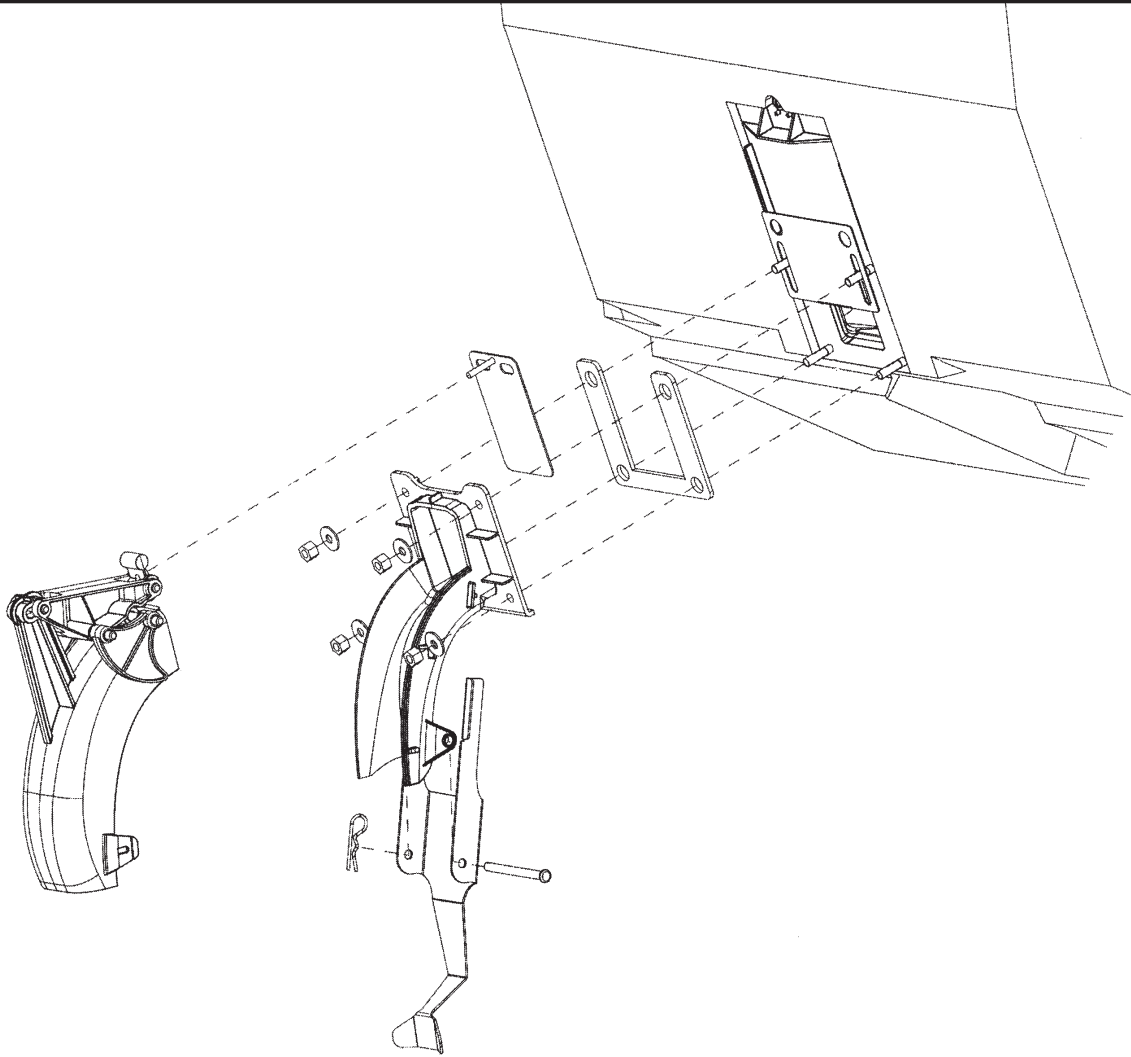
Cornelius ED, DF and DB series only

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

- Disassemble chute assembly
- Discard factory restrictor plate ①
- Replace with alternate diverter plate ② (supplied)



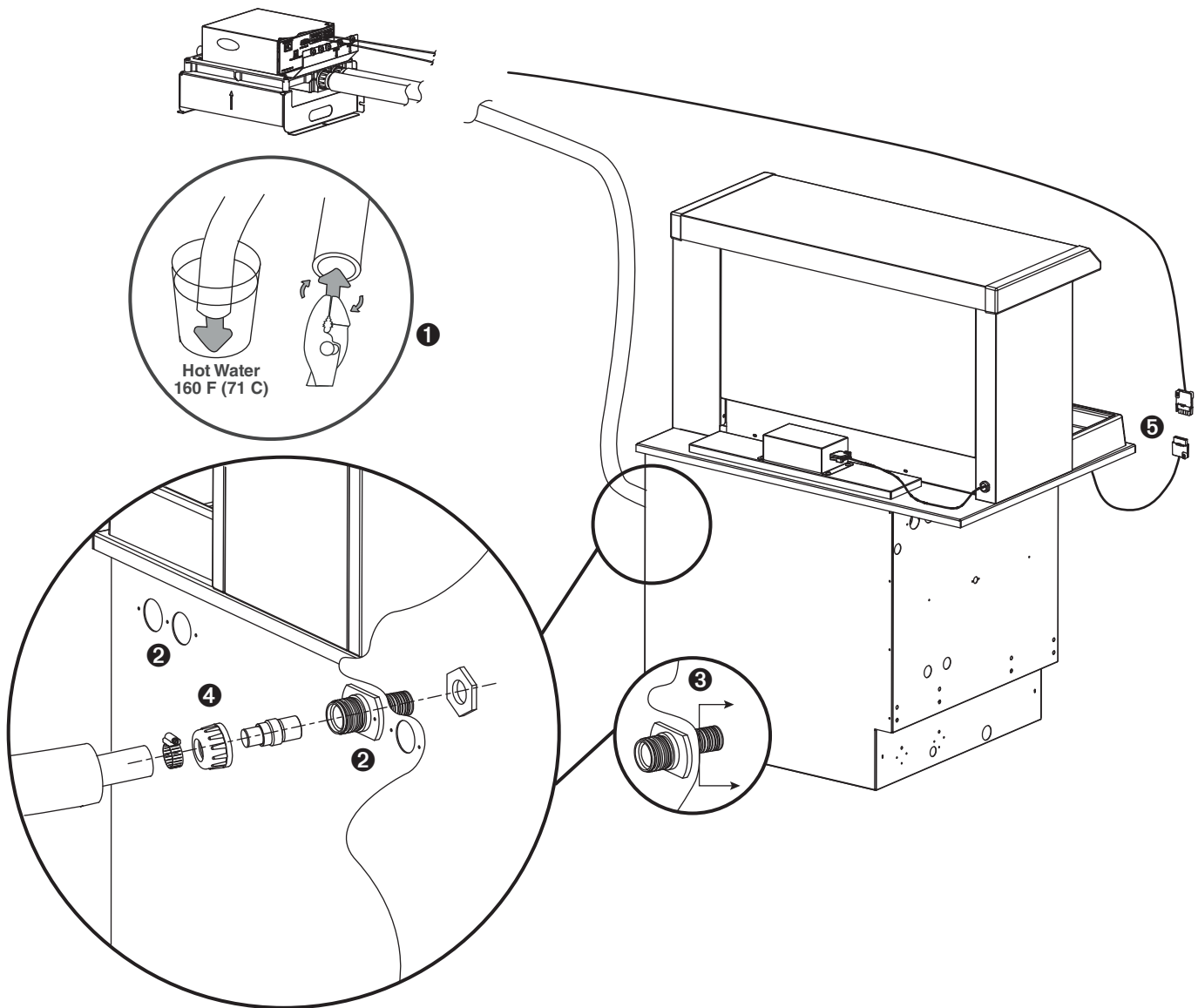
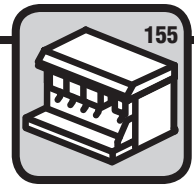
Restrictor plate adjustment – CORNELIUS IDC and FLAVOR FUSION



Cornelius IDC and Flavor Fusion

These dispensers require adjustment of the restrictor plate.

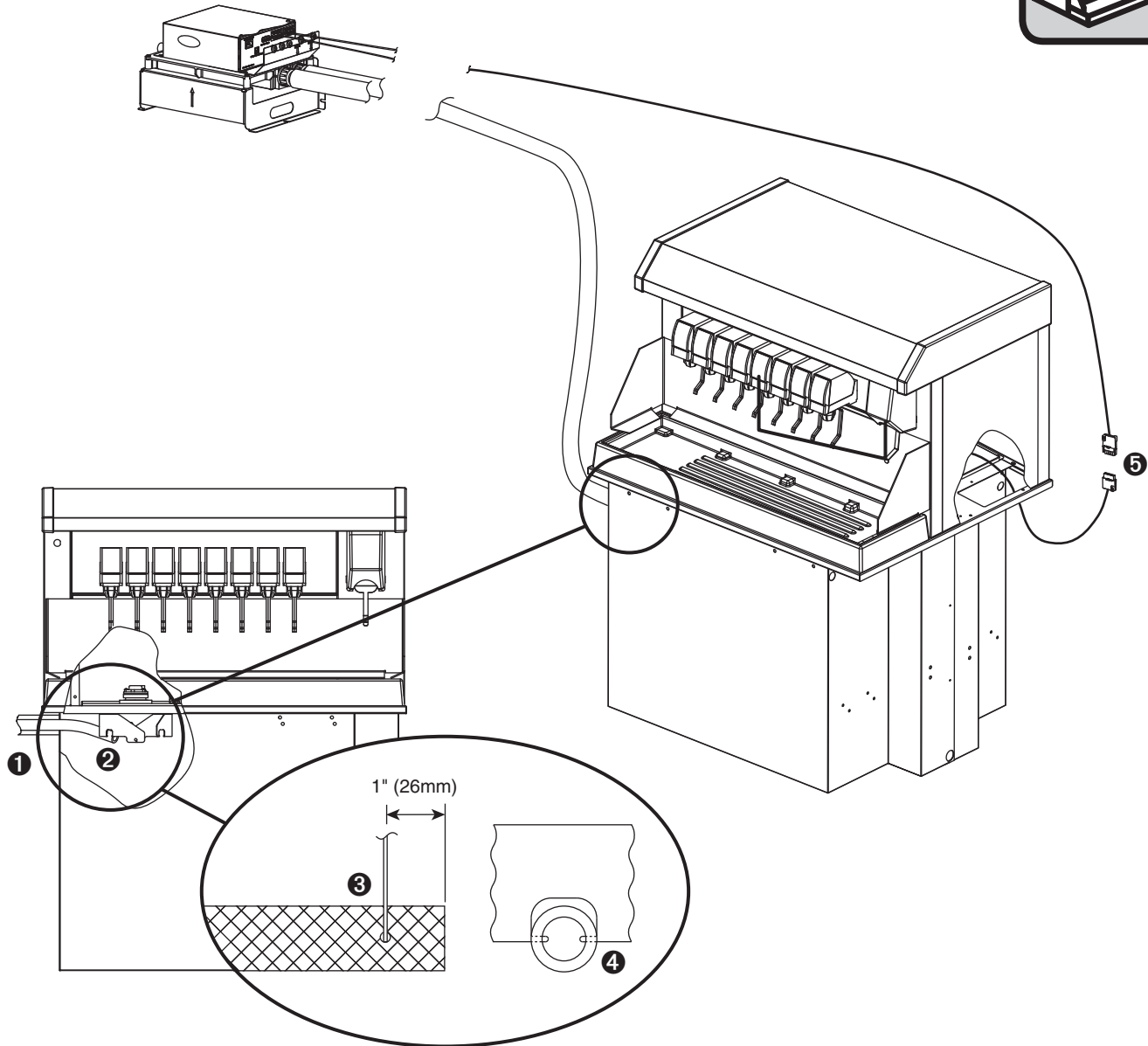
- Loosen four nuts on ice chute assembly ❶
- Adjust restrictor plate to fully open position ❷
- Replace four nuts and tight to 50 in. lbs. (max.)



**Vision VU155 dispenser
ice transport tube and sensor cable†**

- Heat end of transport tube in cup of 160 F (71 C) hot water to soften and spread with pliers ① before making connection to ease assembly and prevent stainless coupler edge from cutting inner wall of tube
- Install ice transport tube fitting in one of four pre-drilled rear holes in VU155 dispenser ②
Note: If threaded end extends into dispenser it must be cut flush to inner nut. ③

- Attach ice transport tube to fitting ④. Cut transport tube to proper length and support the tube at least every 2 ft. (.6m) to avoid dips or traps that will result in standing water.
 - Connect sensor pigtail to sensor cable ⑤
- † If VU155 is an existing unit install retrofit kit part# 00185165 before completing this portion of installation (retrofit instructions included with retrofit kit).



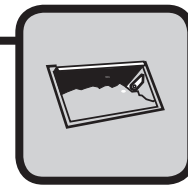
**Vision VU300 dispenser
ice transport tube and sensor cable†**

- Insert ice transport tube through one of the four pre-drilled holes in the VU300 dispenser. **1** Be sure to cut transport tube to proper length to avoid dips or traps.
- Locate mounting tabs **2**
- Using a 3/16" bit, drill through the ice tube 1" (26mm) from end of ice transport tube creating two holes **3**

- Slightly compress end of tube to engage holes in mounting tabs **4**
- Connect sensor cable **5**

† If VU300 is an existing unit install retrofit kit part# 00185173 before completing this portion of installation (retrofit instructions included with retrofit kit).

8 Ice level set points



Ice level set points are set at the factory and normally do not need to be changed. Setting recommendations are shown in the table below. Please contact Follett Technical Services toll free at (877) 612-5086 or +1 (610) 252-7301 prior to changing ice level set points.

	Factory settings
LANE 1	Full 10" Min 14" Dif 3"
LANE 2	Full 10" Dif 3"

To view ice levels

1. Locate LCD screen on Ice Manager control panel. Initial screen will show ice levels for lane 1 and lane 2 and diverter valve status (Fig. 1).

To view set points

1. Press and hold both MODE SELECT and LANE 1 buttons until LANE 1 SETUP appears on the display (Fig. 2).
Note: Default/factory-set ice level sensor settings are shown.
2. To view Lane 2, press MODE SELECT to navigate to lane 2 setup (Fig. 3).

To change set points

1. Press and hold both MODE SELECT and LANE 1 buttons until LANE 1 SETUP appears on the display (Fig. 2).
Note: Default/factory-set ice level sensor settings are shown.
2. Press LANE 1 button to move through FULL, MIN and DIF ice level sensor settings. When selected, choice will flash (Fig. 4).
3. Press MODE SELECT button to change ice level sensor set point (Fig. 5).
4. Press LANE 1 button to increase ice level sensor set point and LANE 2 to decrease ice level sensor set point, (Fig. 6) to correspond to the drop-in dispenser ice level sensor settings listed in table above.
5. Press MODE SELECT to save new ice level sensor setting (Fig. 7).
6. Press LANE 1 to continue to navigate through and set the Full, Min, and Dif ice level sensor settings for lane 1 (Fig. 8).
7. Press MODE SELECT to navigate to lane 2 setup (Fig. 9).
8. Repeat steps 2 through 6 to complete changes to lane 2 ice level sensor settings.

Fig. 1

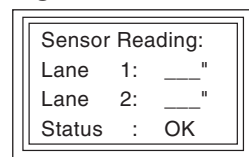


Fig. 2

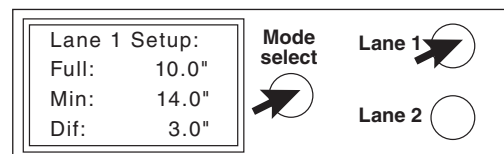


Fig. 3

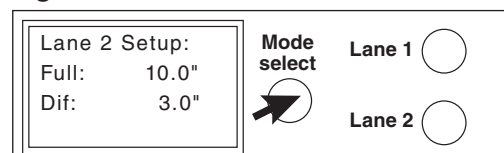


Fig. 4

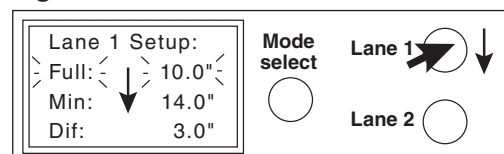


Fig. 5

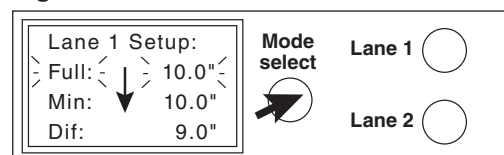


Fig. 6

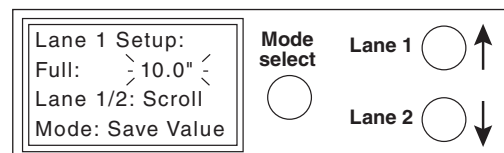


Fig. 7

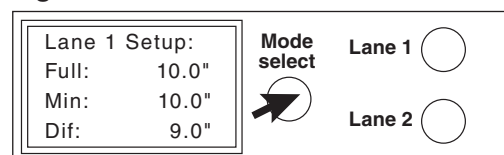


Fig. 8

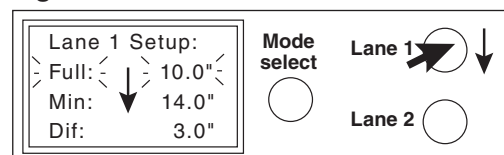
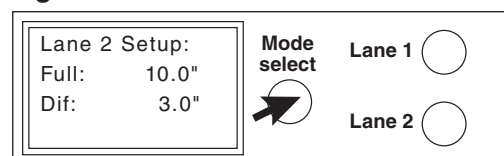


Fig. 9



Before Operating Equipment

Ice Manager Diverter Valve System must be cleaned and sanitized.

Note: Do not use bleach to sanitize or clean the ice machine or diverter valve.



WARNING

- Wear rubber gloves and safety goggles (and/or face shield) when handling ice machine cleaner or sanitizer.



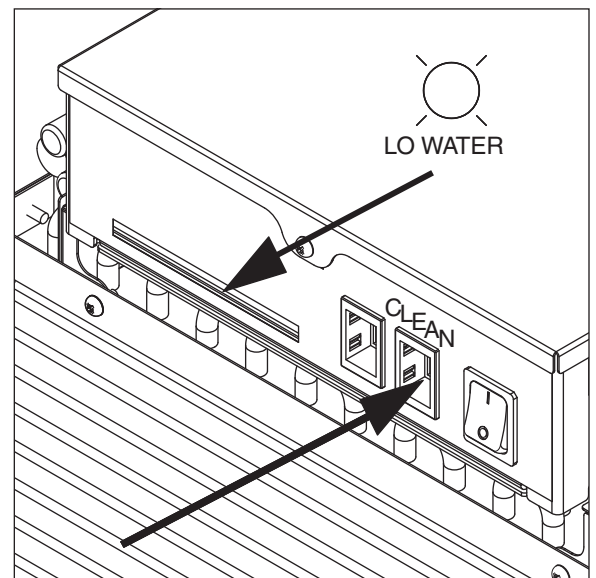
CAUTION

- Use only Follett approved SafeCLEAN™ Cleaner (item# 00132001) and NU-CALGON IMS-II SANITIZER.
- Do not mix Cleaner and Sanitizer solutions together.
- DO NOT USE BLEACH.
- It is a violation of Federal law to use these solutions in a manner inconsistent with their labeling.
- Read and understand all labels printed on packaging before use.

Note: Complete procedure for cleaning and sanitizing **MUST** be followed. Ice must be collected for 10 minutes from each lane before putting ice machine and Ice Manager back into service.

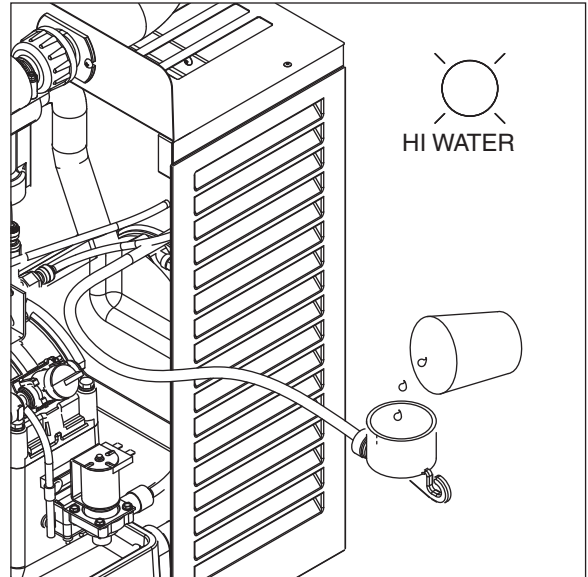
1. **To clean ice machine** – Remove ice machine cover. Press the CLEAN button. The machine will drain. Wait for the LO WATER light to come on (Fig. 1).

Fig. 1



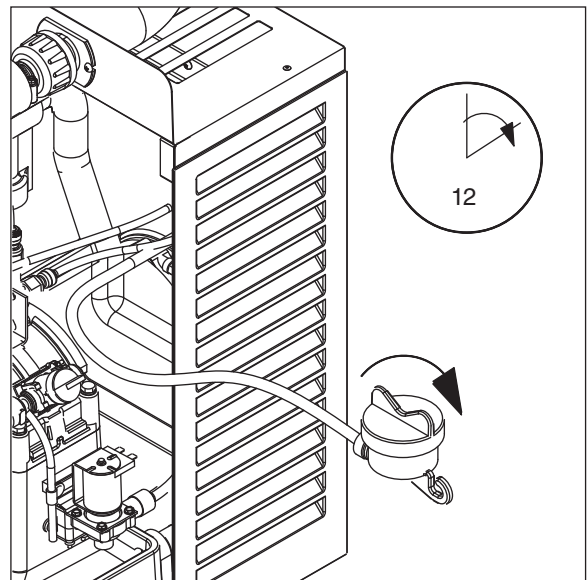
- Mix 1 gallon (3.8L) 120 F (49 C) water and one 7 ounce (198g) packet of Follett SafeCLEAN ice machine cleaner (item# 00132001). Locate cleaning cup. Fill until HI WATER light comes on (Fig. 2).
Note: Do not use bleach to sanitize or clean the ice machine.

Fig. 2



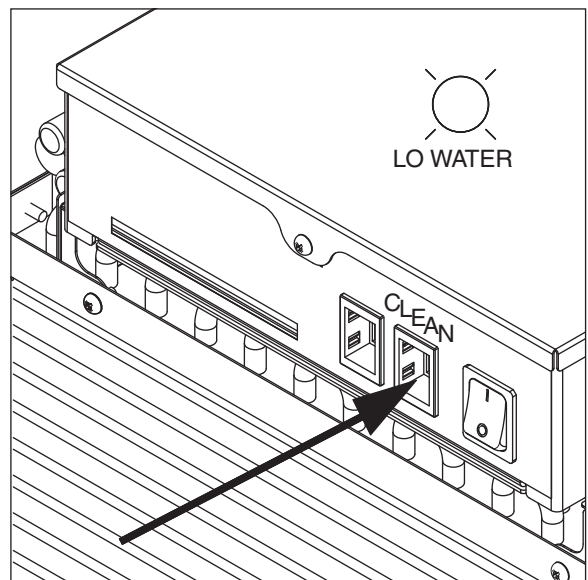
- Replace cover on cleaning cup. Wait until ice machine restarts. Machine will clean, then flush 3 times in approximately 12 minutes (Fig. 3).

Fig. 3



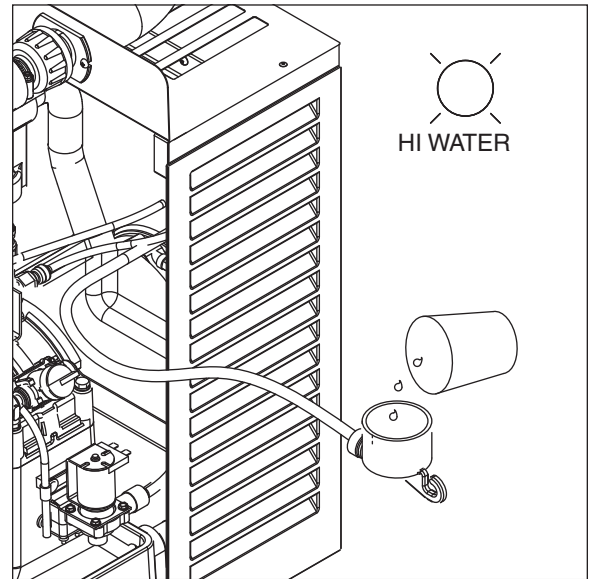
- To sanitize ice machine** – Press CLEAN button. The ice machine will drain. Wait for LO WATER light to come on (Fig. 4).

Fig. 4



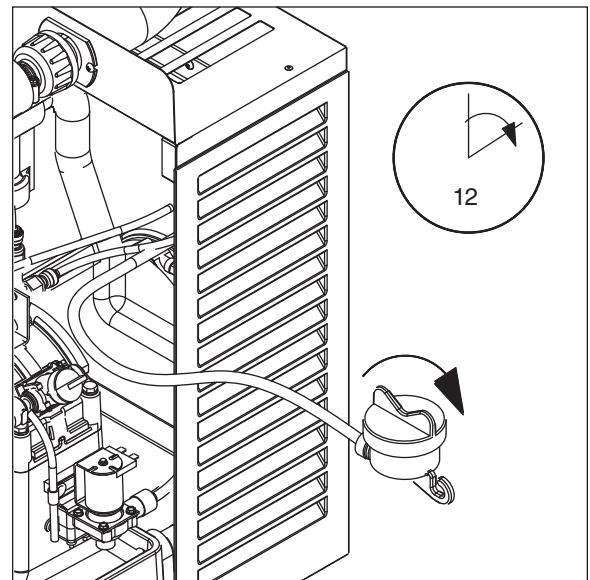
- Mix 1 gallon 120 F (49 C) water and 1.6 ounces (48ml) NU-CALGON IMS-II SANITIZER. Fill until HI WATER light comes on (Fig. 5).
Note: Do not use bleach to sanitize or clean the ice machine.

Fig. 5



- Replace cover on cleaning cup. Wait until ice machine restarts. Machine will sanitize, then flush 3 times in approximately 12 minutes (Fig. 6).

Fig. 6



- To sanitize diverter valve** – Press ice machine power switch OFF (Fig. 7).

Fig. 7

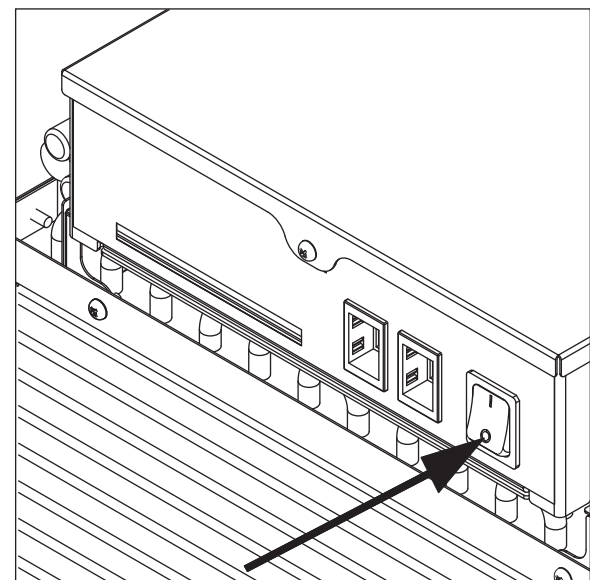
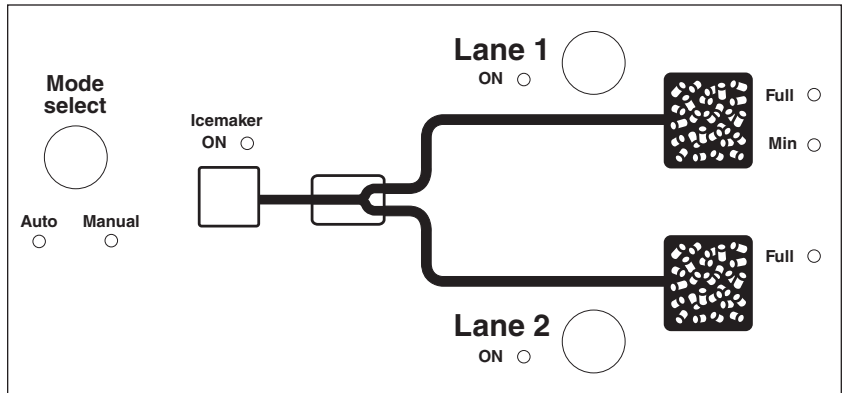


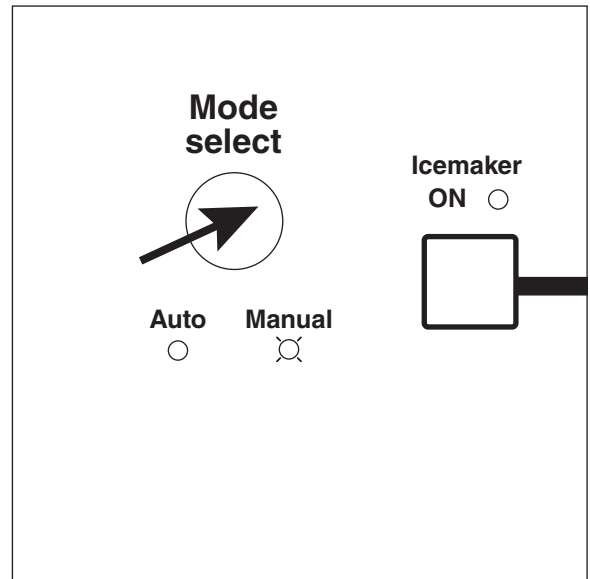
Fig. 8

8. Locate Ice Manager control panel (Fig. 8).



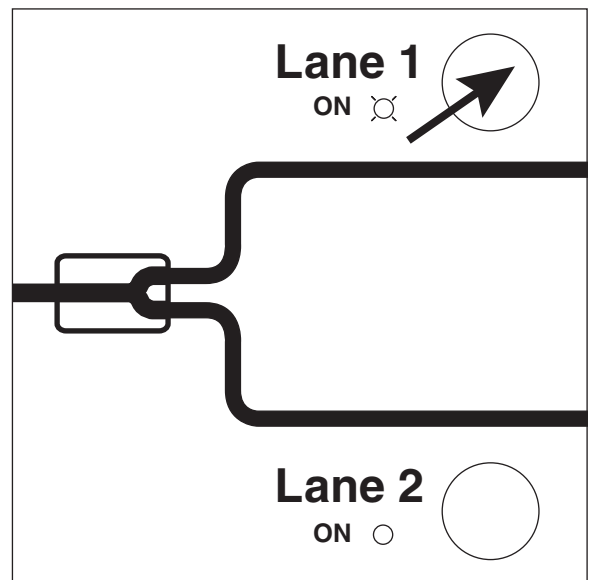
9. To sanitize lanes 1 and 2, diverter valve must be in manual mode. Press the mode select button on the Ice Manager control panel (Fig. 9). Manual light will come on. If auto light comes on, press mode select button again.

Fig. 9



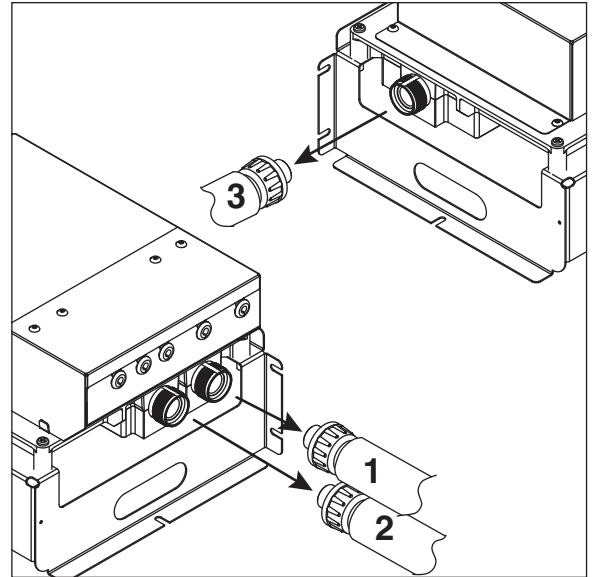
10. **To sanitize lane 1** – Press Lane 1 button (Fig. 10). Lane 1 light will come on.

Fig. 10



11. Disconnect ice transport tubes from diverter valve unit. Be sure to note lane 1 (Fig. 11.1), lane 2 (Fig. 11.2) and inlet (Fig. 11.3) ice transport tube connections to avoid confusion when reattaching.

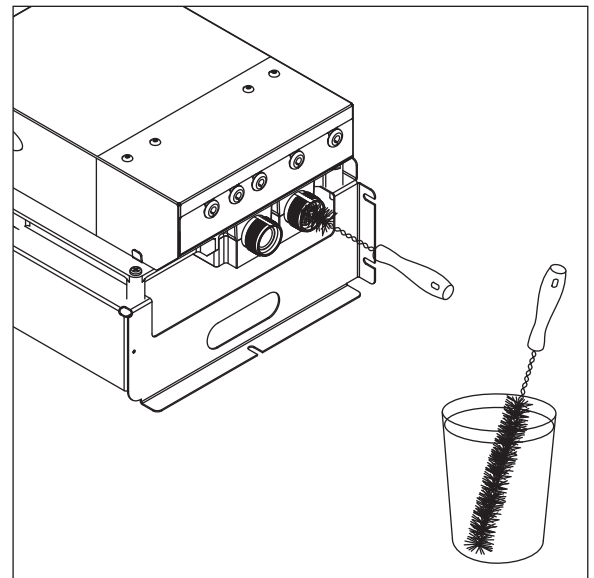
Fig. 11



12. Mix 1 gallon 120 F (49 C) water and 1.6 ounces (48ml) NU-CALGON IMS-II SANITIZER.
Note: Do not use bleach to sanitize or clean the diverter valve.

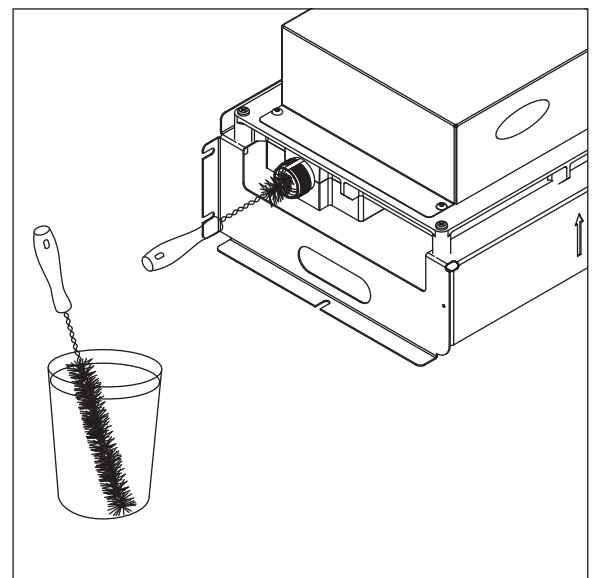
Soak supplied brush in Sanitizer solution and scrub inside of the diverter valve lane 1 for at least 60 seconds, re-wetting the brush with Sanitizer as needed (Fig. 12).

Fig. 12



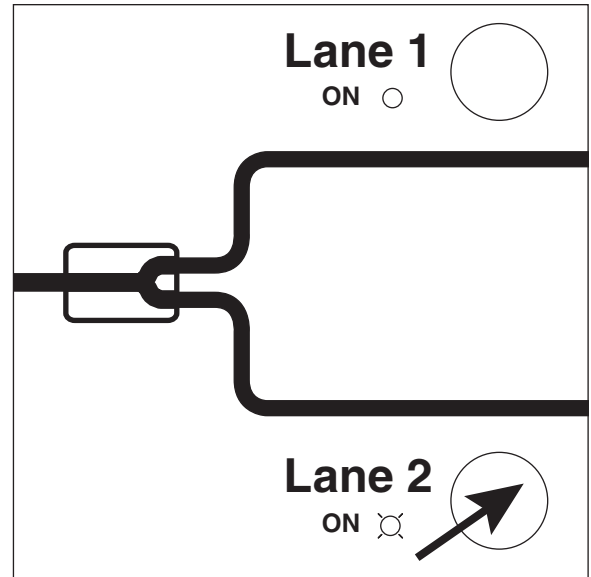
13. Re-wet brush with Sanitizer and scrub inlet for at least 60 seconds, re-wetting the brush with Sanitizer as needed (Fig. 13).

Fig. 13



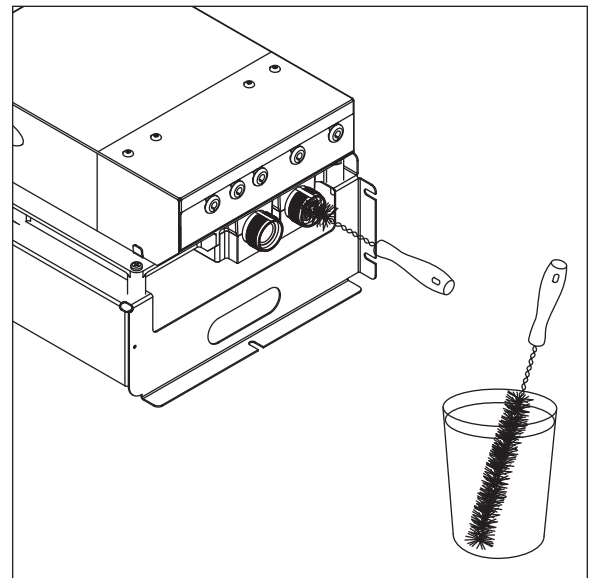
14. To sanitize lane 2 – Press lane 2 button (Fig. 18). lane 2 light will come on.

Fig. 14



15. Soak supplied brush in Sanitizer solution and scrub inside of the diverter valve lane 2 for at least 60 seconds, re-wetting the brush with Sanitizer as needed (Fig. 15).

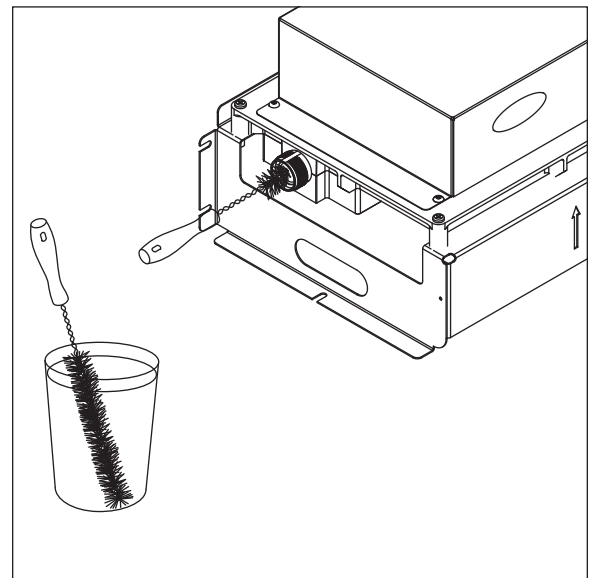
Fig. 15



16. Re-wet brush with Sanitizer and scrub inlet for at least 60 seconds, re-wetting the brush with Sanitizer as needed (Fig. 16).

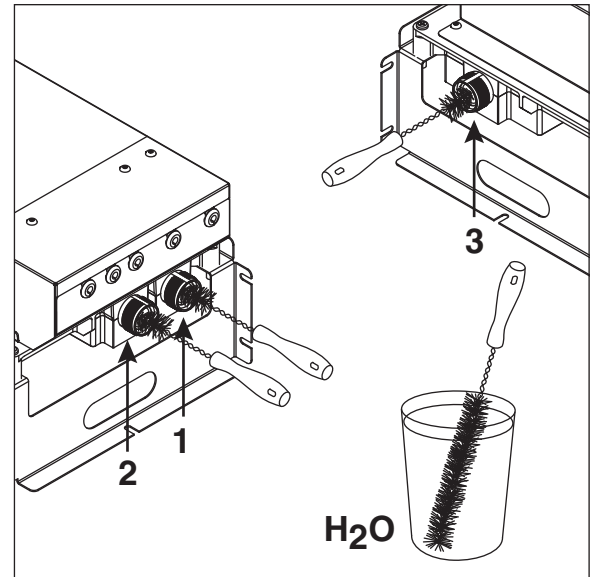
Note: Inlet must be scrubbed with both lane 1 and lane 2 settings to be sure each lane is cleaned and sanitized.

Fig. 16



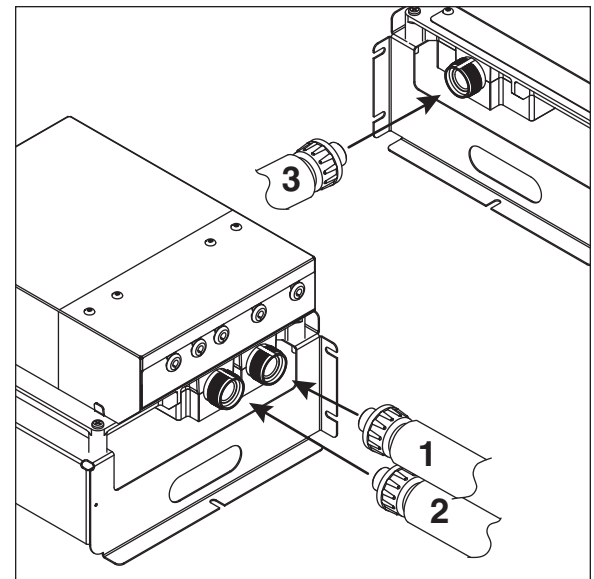
17. Rinse brush in plain, 120 F water. Rinse Lane 1 (Fig. 17.1), Lane 2 (Fig. 17.2), and inlet (Fig. 17.3) with clear water repeating steps 12 through 16 to be sure each Lane is rinsed thoroughly.

Fig. 17



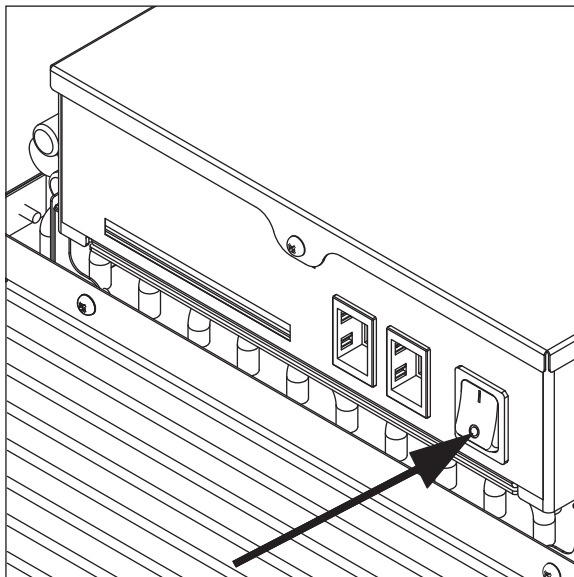
18. Re-connect ice transport tube to Lane 1 (Fig. 18.1), Lane 2, (Fig. 18.2) and inlet (Fig. 18.3).

Fig. 18



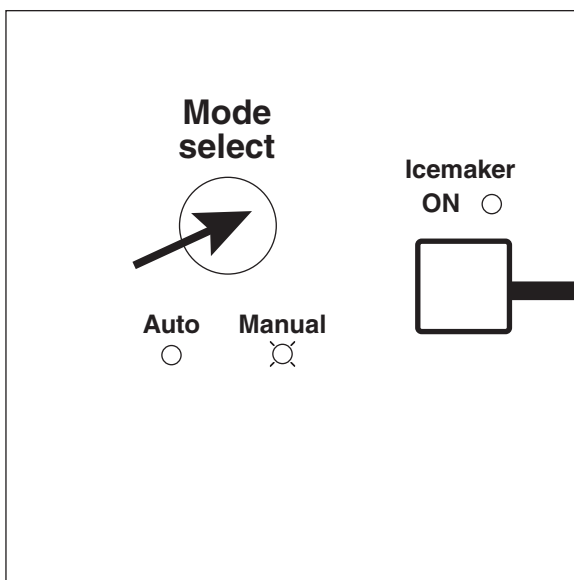
19. To sanitize lane 1 ice transport tube – Press ice machine power switch OFF (Fig. 19).

Fig. 19



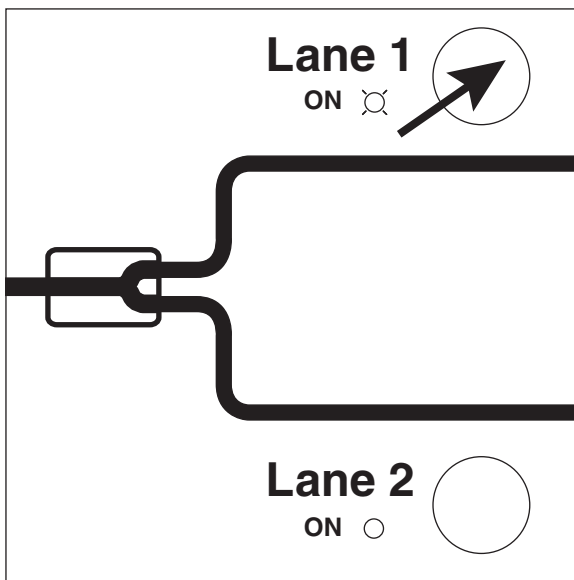
20. Verify that Ice Manager is in manual mode (Fig. 20). Manual light should be on. If auto light is on, press mode select button to switch to manual mode.

Fig. 20



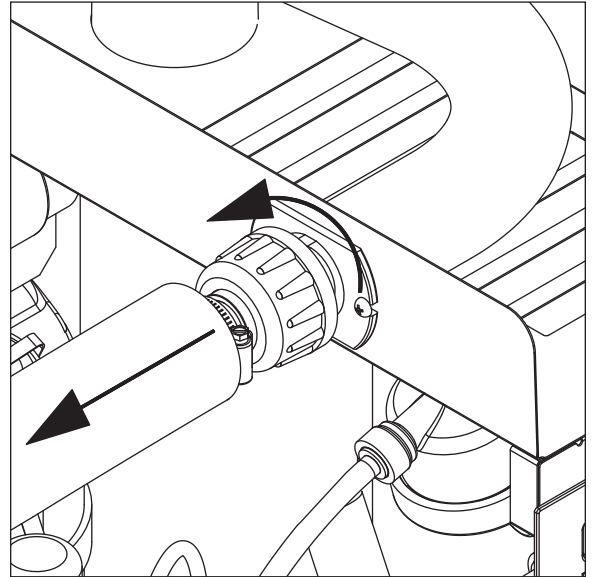
21. Press lane 1 button (Fig. 21). Lane 1 light will come on.

Fig. 21



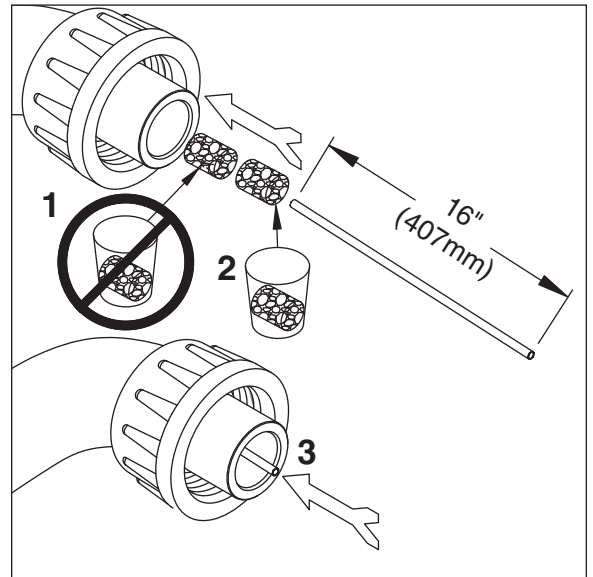
22. Disconnect coupling from ice machine as shown (Fig. 22).

Fig. 22



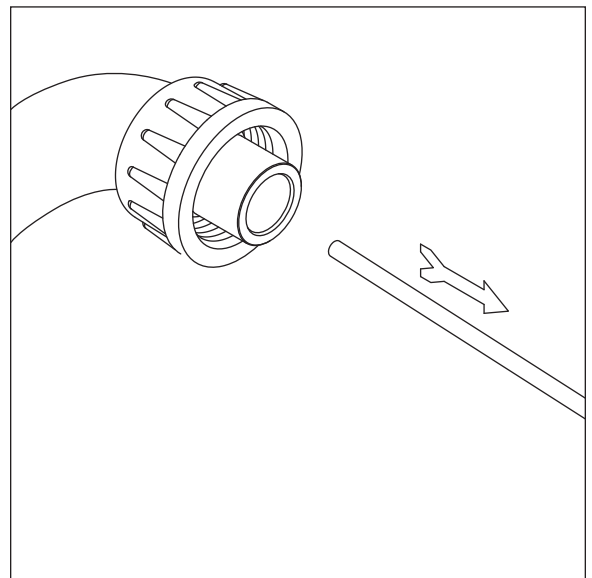
23. Using disposable food service grade gloves, insert dry Sani-Sponge™ (kit part# 00132068). Then insert Sani-Sponge soaked in Nu-Calgon IMS-II sanitizer solution. Push both Sani-Sponges down ice transport tube with supplied pusher tube (Fig. 23).

Fig. 23



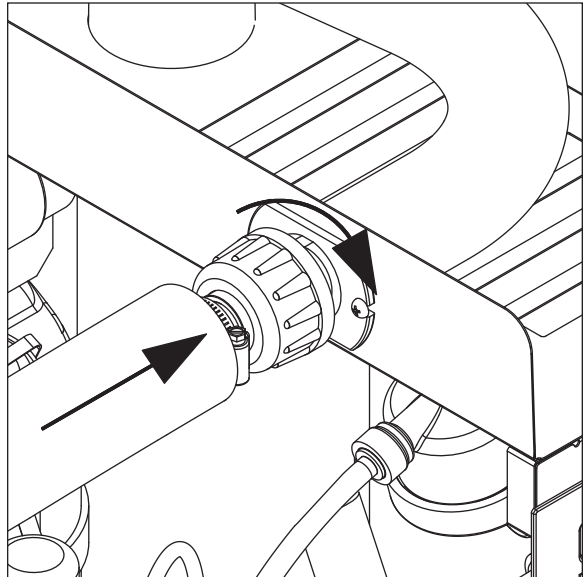
24. Remove 16" (407mm) pusher tube (Fig. 24).

Fig. 24



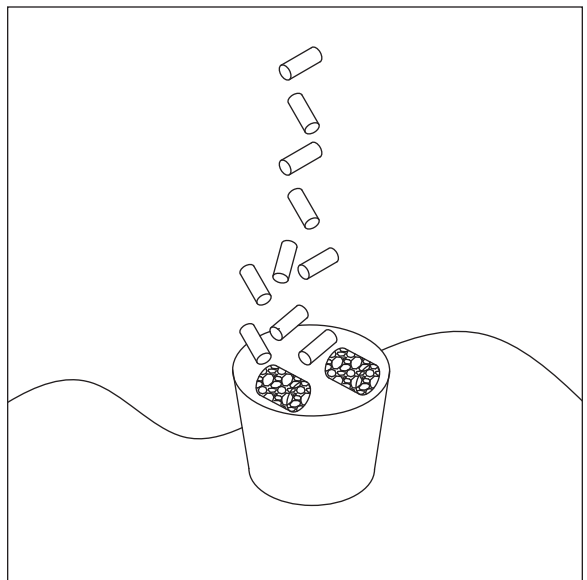
25. Reconnect coupling. Press ice machine power switch ON. Ice pushes Sani-Sponges through tube (Fig. 25).

Fig. 25



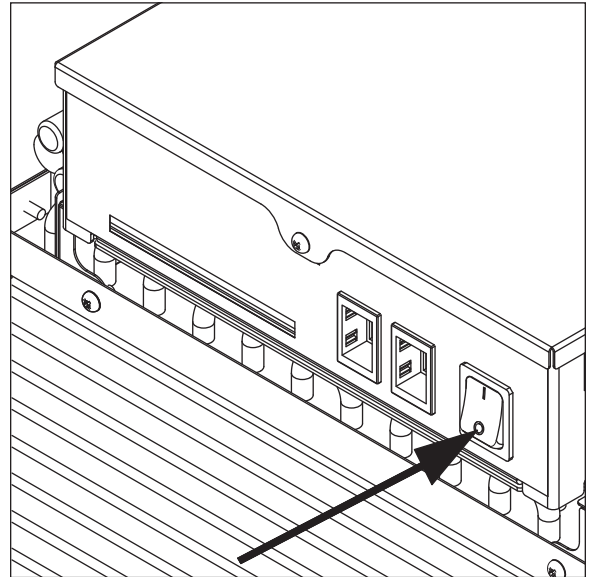
26. Place a sanitary (2 gallon or larger) container in bin or dispenser to collect Sani-Sponges and ice for 10 minutes. Collect 5.5 lbs (3kg) of ice from unit. Discard ice and Sani-Sponges (Fig. 26).

Fig. 26



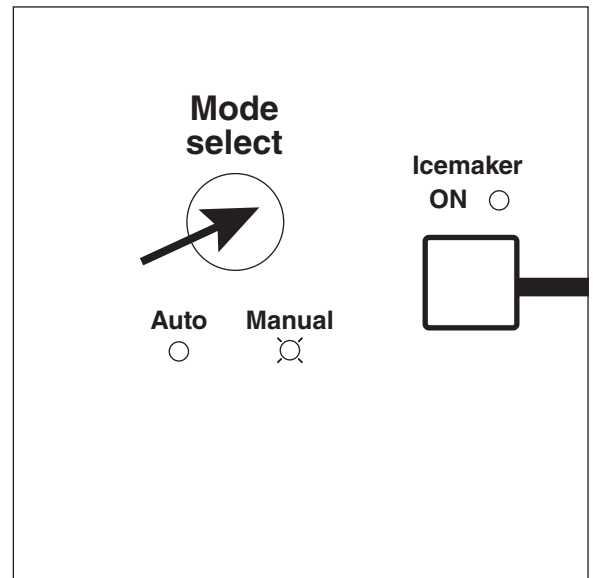
27. To sanitize lane 2 ice transport tube – Press ice machine power switch OFF (Fig. 27).

Fig. 27



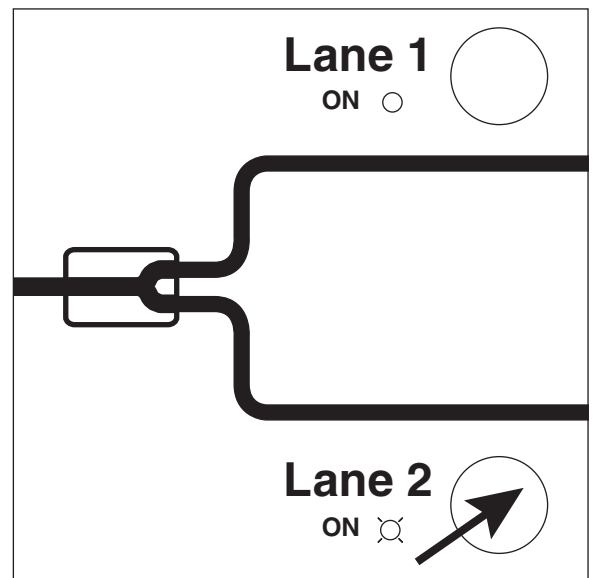
28. Verify that Ice Manager is in manual mode (Fig. 28). Manual light should be on. If auto light is on, press mode select button to switch to manual mode.

Fig. 28



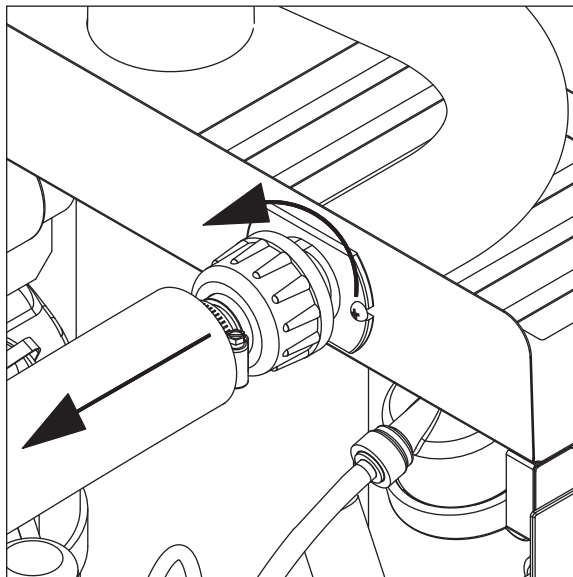
18. Press lane 2 button (Fig. 29). Lane 2 light will come on.

Fig. 29



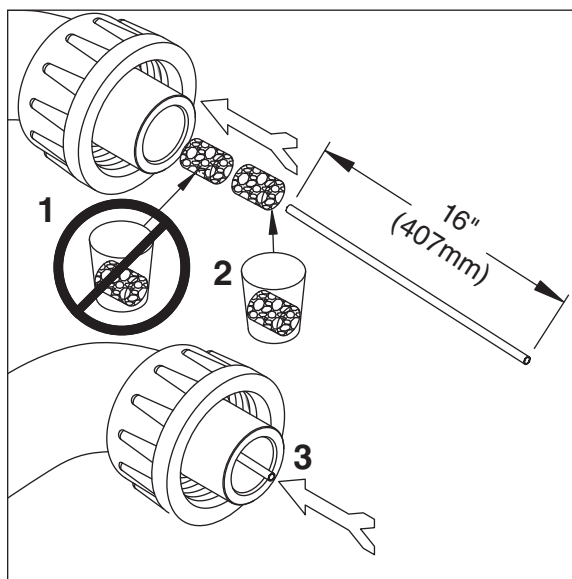
30. Disconnect coupling from ice machine as shown (Fig. 30).

Fig. 30



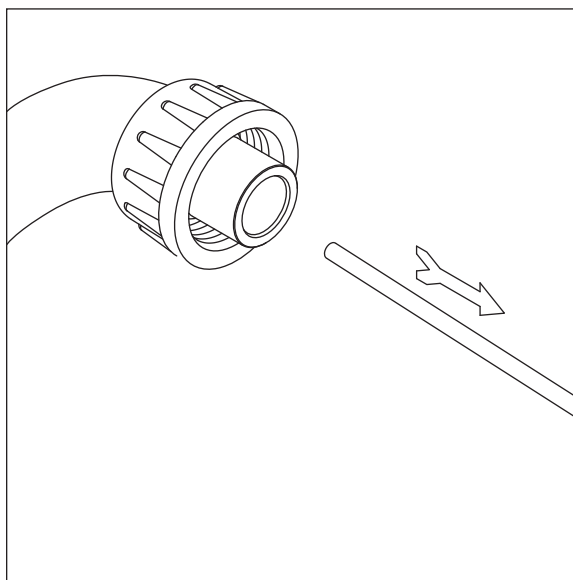
31. Using disposable food service grade gloves, insert dry Sani-Sponge (kit part# 00132068). Then insert Sani-Sponge soaked in Nu-Calgon IMS-II sanitizer solution. Push both Sani-Sponges down ice transport tube with supplied pusher tube (Fig. 31).

Fig. 31



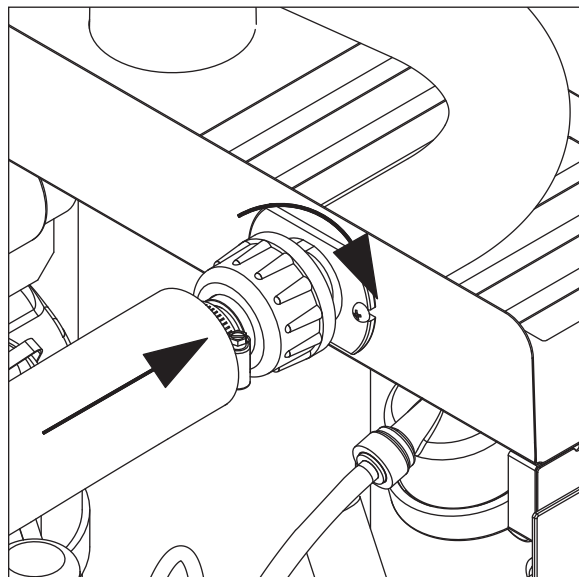
32. Remove and discard 16" (407mm) pusher tube (Fig. 32).

Fig. 32



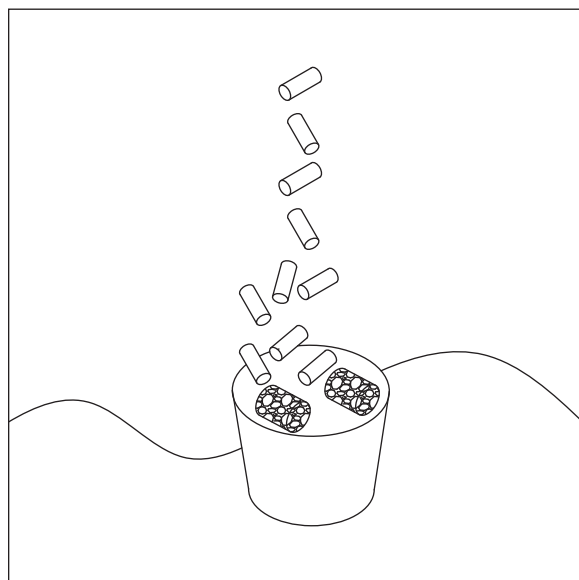
33. Reconnect coupling. Press ice machine power switch ON. Ice pushes Sani-Sponges through tube (Fig. 33).

Fig. 33



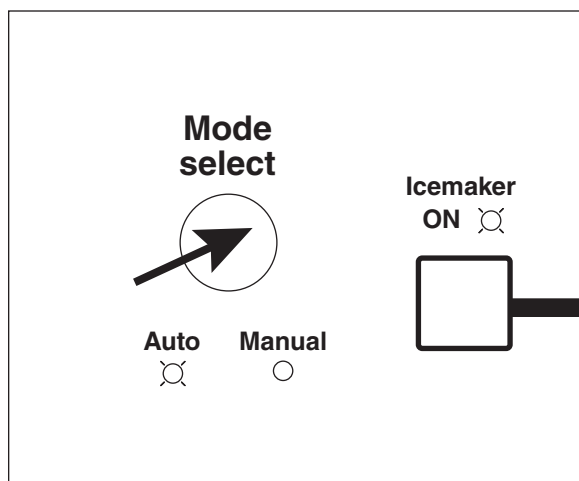
34. Place a sanitary (2 gallon or larger) container in bin or dispenser to collect Sani-Sponges and ice for 10 minutes. Collect 5.5 lbs (3kg) of ice from unit. Discard ice and Sani-Sponges (Fig. 34).

Fig. 34



35. Press mode select button on Ice Manager control panel to switch to auto mode (Fig. 35). Auto light will come on.

Fig. 35

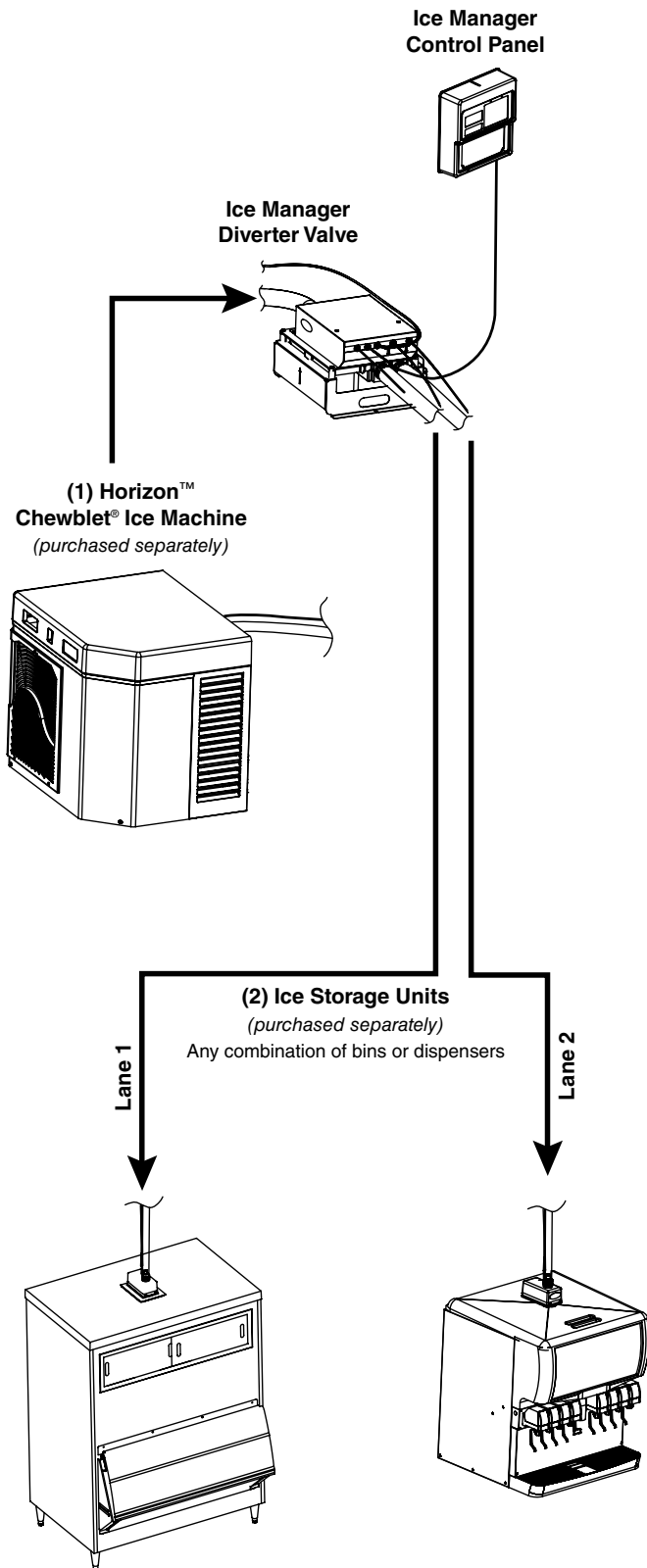


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The Ice Manager diverter valve system automatically delivers ice from ONE Follett Horizon™ ice machine to TWO separate dispensers or bins. The system includes a control panel, diverter valve, and components to connect two ice storage units chosen.

RIDE™ remote ice delivery equipment

- Deliver ice automatically through a tube to where you need it, instead of manually transporting
- Reduce handling to provide more sanitary ice and prevent safety issues for employees and customers
- Install ice machine and diverter valve up to 75' (23 m) away from the bin
- Create a more aesthetically appealing dining area with less heat and noise around your customers

Flexibility with a wide choice of bins and dispensers

- Follett ice storage bins, Ice Transport Systems (ITS), and Ice•DevIcE™ ice storage and dispensing systems
- Follett Vision™ low-profile ice and beverage dispensers
- Countertop ice and beverage dispensers manufactured by others (see approved list on page 2)
- Other ice storage containers (contact factory)

Efficient use of equipment

- Fill two bins or dispensers with only one ice machine
- Reduce the number of ice machines in your operation, or eliminate manual filling
- Keep one machine running more efficiently instead of two machines that may idle frequently
- Service and maintain only one machine instead of two.

Factory-arranged installation and start-up

- Turn-key system installation with factory-trained installers
- Full operational demonstration to end-user

JOB: _____

ITEM: _____

Configuring the Ice Manager diverter valve system

1. Select Horizon ice machine model

Using the model configuration table below, determine the Horizon ice machine to order that will best suit your needs. For more specifications on Horizon ice machine models see form# 3810, 3815, 3311. Existing Horizon ice machines may be retrofitted to integrate with the Ice Manager diverter valve system. Based on model# and serial#, determine the retrofit kit to order using the table below.

Horizon ice machine model: _____ Serial# (if existing Horizon ice machine): _____

Horizon 1000, 1400 & 1650 Series Ice Machine Model Number Configurations for use with Ice Manager Diverter Valve System

HC	C	1000	A	M	S
Ice maker	Voltage	Series	Condenser	Application	Configuration
HC Horizon Chewblet	C 208-230/60/1 (icemaking head) <i>Self-contained only.</i>	1000 1400	A Air-cooled, self-contained W Water-cooled, self-contained	M Ice Manager	S RIDE <i>(remote ice delivery equipment)</i>
	D 115/60/1 (icemaking head) <i>Self-contained and remote. If remote unit, high side is 208-230/60/1.</i>	1650	R Air-cooled, remote condensing unit N Air-cooled, no condensing unit for connection to parallel rack system		
	F 115/60/1 (icemaking head) <i>Remote only. High side is 208-230/60/3.</i>				

Horizon Retrofit Kits

Horizon Model#	Order Part #
HCC prior to C43650	00185181
HCD prior to C43650	00185272
Models after C43650	00191965

2. Select two dispensers or bins to be filled

Choose two approved units for ice storage. If exact model is not known, note type of unit. **Lane 1 is the primary lane and should be assigned to bin or dispenser with highest demand.**

Lane 1: _____

Lane 2: _____

If desired unit is not listed below, contact factory.

Follett Ice Transport and Storage		
New Follett ice storage bin or transport system model. See form# B300 for models. When ordering bin, specify bin top to be cut for Ice Manager diverter valve system. If ice machine will be top mounted on bin, see Step 3.		
Existing Follett ice storage bin or transport system model. Requires replacement top cut for Ice Manager diverter valve system. See form# 4025 for item #'s. If ice machine will be top mounted on bin, see Step 3.		
Follett Vision Ice and Beverage Dispensers		
New Follett Vision 155 & 300 ice and beverage dispenser model. VU155N models are available via Special Quote Request (SQR). See form# 4025 for models. Order Vision with VUIMDVKIT to be configured for Ice Manager diverter valve system.		
Existing Vision 155 serial# must be greater than B50001. Existing Vision 300 serial# must be greater than B50005.		
Ice & Beverage Dispensers*		
Coca-Cola Freestyle	Lancer 4500-22N	Servend MD250
Cornelius ED/DF150 Series	Lancer 4500-30N	Servend MDH300
Cornelius ED/DF175 Series	Lancer FS-22N	Servend MDH302
Cornelius ED/DF200 Series	Lancer FS-30N	Servend MDH402
Cornelius ED/DF250 Series	Lancer FS-44N	Servend SV175
Cornelius ED/DF300 Series	Servend FRP-250	Servend SV200
Cornelius IDC215	Servend MD150	Servend SV250
Cornelius IDC255	Servend MD175	
Cornelius Flavor Fusion/Overload	Servend MD200	

* Consult with dispenser provider to be sure the dispenser is ready to dispense nugget ice.

3. Choose Horizon ice machine mounting option

Mounting option: _____

Wall Mount Bracket	Part #
HCC1000, HCD1000/1400/1650 & HCF1000/1400/1650	00128587
HCC1400	00133934
Machine Stand	Part #
HCC1000	00128553
HCC1400	00133926
HCD1000/1400/1650 & HCF1000/1400/1650	00128561
Follett Bin - Top Mount +	
New bin, see form# B300 for models. When ordering bin, specify bin top to be cut for Ice Manager diverter valve system and ice machine. +	
Existing bin, see form# 4025 for bin top listing. Requires replacement top cut for Ice Manager diverter valve system and ice machine when ordering. +	
Other	
Specify what Horizon ice machine will be mounted on.	

+ See drawings on page 3 for min. bin width and required clearances.

4. Evaluate site for location of equipment

Lane 1 and Lane 2 dispensers or bins

- Refer to dispenser or bin specifications for required clearances
- See drawings below for required clearances for Ice Manager diverter valve system

Follett Horizon ice machine

- 10' (3 m) max. distance from Horizon ice machine to diverter valve
- See spec sheets 3810, 3815 and 3311 for utility requirements and dimensions

Diverter valve

- 8' (2.4 m) max. distance from diverter valve module to electric outlet
- 75' (23 m) max. distance from diverter valve to Lane 1 and Lane 2 dispensers or bins
- Drain required, 15' (4.6 m) drain tube provided

Control panel

- 20' (1.8 m) max. distance from control panel to diverter valve

5. Determine length of ice transport tubes

Lane 1: (approx. length): _____

Lane 2: (approx. length): _____

Use the following guidelines to determine length of the ice transport tube run from the diverter valve to each bin or dispenser.

- Length of ice transport tube from diverter valve module to each dispenser or bin can be specified in 5' (1.5 m) increments from 10' - 75' (3 m - 23 m)*
- Max. vertical rise of ice transport tube – 10' (3 m)
- Horizontal run should be pitched so that melt water drains back to diverter valve module. Run must have 1/4" per foot pitch.
- No dips or traps in the tube run

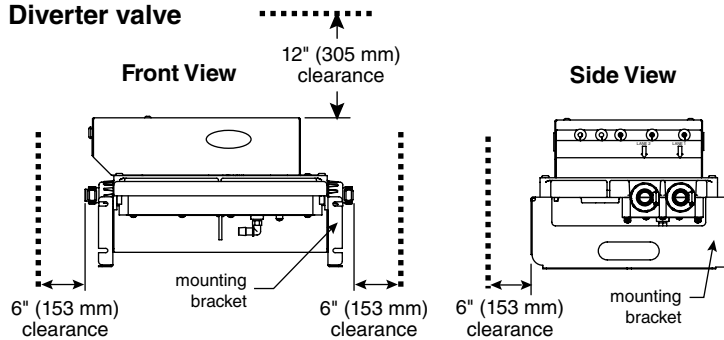
*Lengths to include any bends and turns needed to connect components.

6. Site plan drawings

Installation may be performed by an authorized installer contracted by Follett. Contact factory for details.

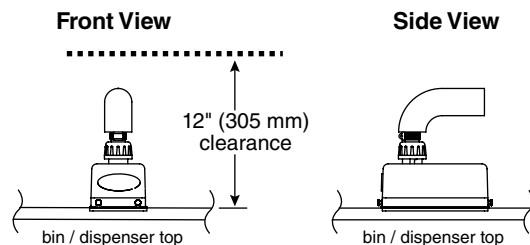
Required clearances for Ice Manager diverter valve system

Diverter valve



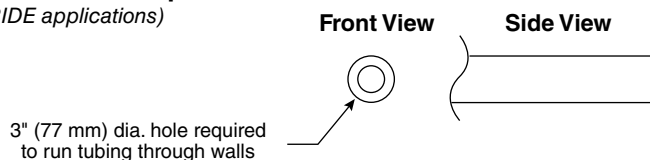
Sensor distribution unit

(bins and ice and beverage dispensers only)

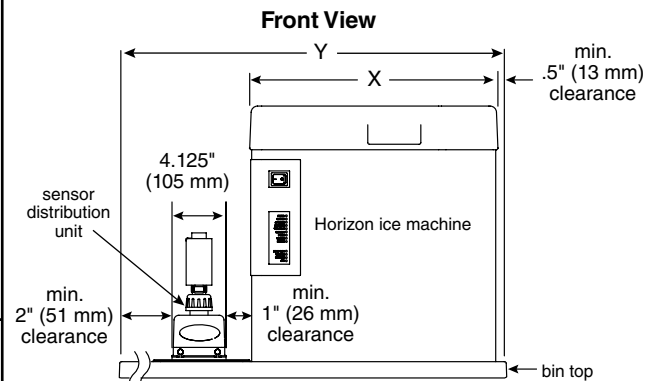


Insulated transport tube

(RIDE applications)



Top mount on a bin (minimum bin width)



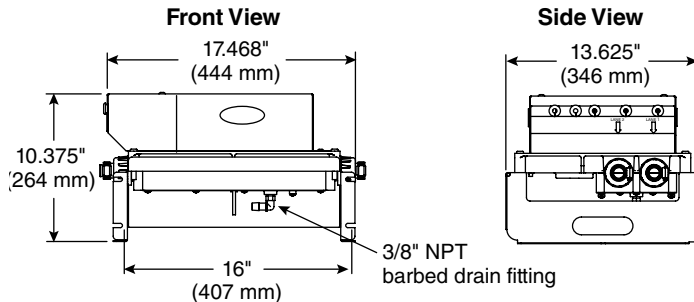
Horizon ice machine series	X ice machine width inches (mm)	Y min. bin width inches (mm)
HCC1000	26.75 (680)	34.75 (883)
HCC1400	29.75 (756)	37.75 (959)
HCD/HCF	19.50 (496)	26.50 (673)

Note: For 30" (762 mm) Follett bin, sensor distribution unit may be placed behind ice machine.

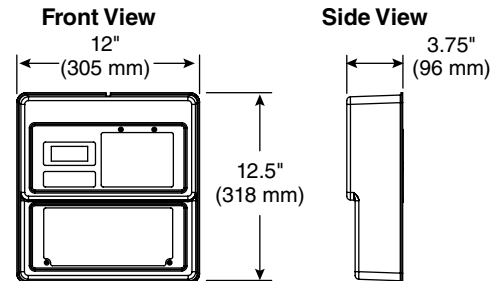
Dimensions

Patents pending

Diverter valve with mounting bracket

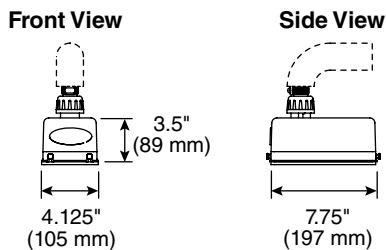


Control panel



Sensor distribution unit

(bins and ice and beverage dispensers only)



Warranty

3 years parts and labor on all components.

Utilities

Electrical – 115 V, 60 Hz, 1 ph, 1.5 amps.
8' (2.4 m) cord and NEMA 5-15 plug provided. If local code requires hard-wiring, separate disconnects also required.

Approximate shipping weight

Ice Manager with 50' (15.2 m) of ice transport tube (typical).
120 lb (54.4 kg)

Temperature requirements

Ice Manager components, including ice transport tube, must be operated in ambient temperatures between 40 F and 120 F (5 C and 49 C). Relative humidity not to exceed 55%.

Ice Manager diverter valve system components

Diverter valve – 8' (2.4 m) cord and plug, 15' (4.6 m) drain tubing

Control panel – 20' (6 m) cable to diverter valve

Lane 1 – insulated ice transport tube and sensor cable to diverter valve‡, and connection kit for ice storage unit used†

Lane 2 – insulated ice transport tube and sensor cable to diverter valve‡, and connection kit for ice storage unit used†

‡ Lengths to be specified by customer.

† Follett Vision ships with connection kit factory-installed (item# VUIMDKIT).

Specification

Ice Manager diverter valve system to be model IMDV-2.
System to direct ice delivery to two bins or dispensers automatically, utilizing sonic sensors to control level of ice.

Ice machine to be Follett Horizon model _____.

Lane 1 to fill _____.

Lane 2 to fill _____.

(ice and beverage dispenser, bin, drop-in, or Vision)

Horizon ice machine to be mounted on _____
(bin, wall mount bracket or machine stand)

System to include _____ feet of insulated ice transport tube for Lane 1, and _____ feet of insulated ice transport tube for Lane 2.* (75' (23 m) max. length for each lane)

Horizon ice machine and Ice Manager to be NSF, UL, and cUL listed. System to be installed by Follett.

* Lengths to be confirmed on-site prior to shipment. Lengths to include any bends and turns needed to connect components.

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