

Ice Manager™ diverter valve system

IMDV-2CM series



Ice Manager Control Panel

Features:

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

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' (22.9 m) away from the bin or dispenser
- 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 and Symphony Plus™ 110CM ice and water 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

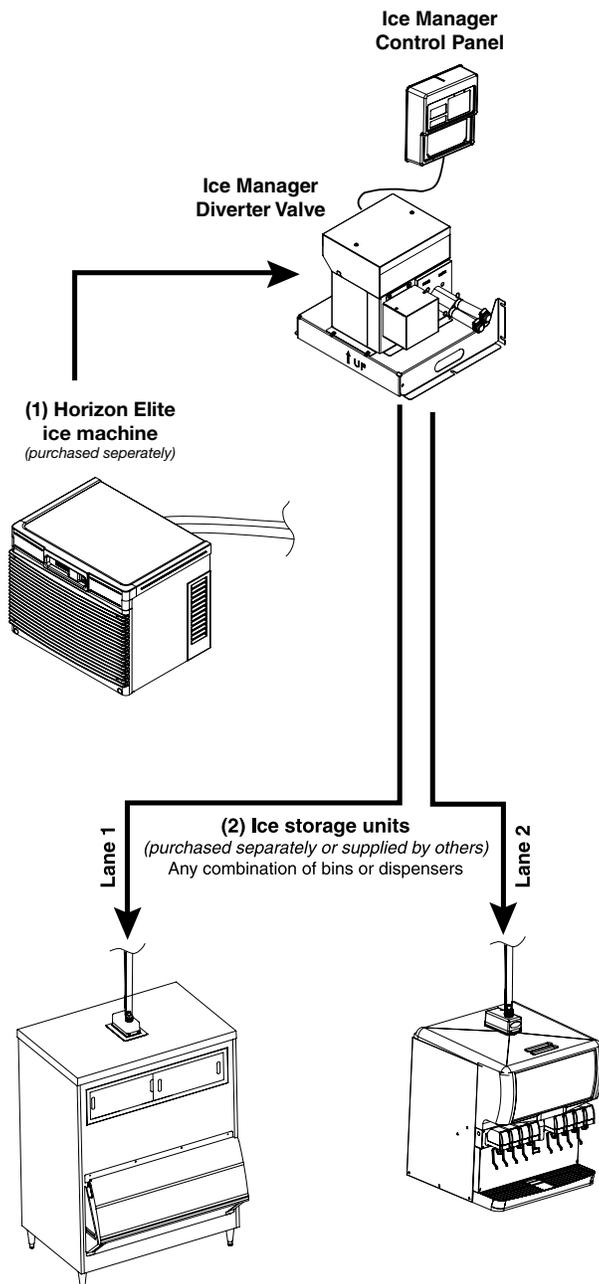
- fill two dispensers or bins with only one ice machine
- reduce the number of ice machines in your operation, or eliminate manual filling
- keep one machine running more efficiently instead of two machines that may idle frequently
- service and maintain only one machine instead of two

Factory-arranged installation and start-up

- turn-key system installation with factory-trained installers
- full operational demonstration to end-user

Warranty

- Three-year parts and labor on all components



Configuring the Ice Manager diverter valve system

1. Select Horizon Elite ice machine model

Refer to the model configuration table below to determine the Horizon Elite ice machine that will best suit your needs. For more specifications on Horizon Elite ice machine models, see form# 7030, 7035, 1014, 8180 and 3311.

Horizon Elite Model Number Configurations for use with Ice Manager Diverter Valve System

HC	C	10	10	A	M	S
Ice Type	Voltage	Ice Production (approx.)	Refrigerant Type	Condenser	Application	Configuration
HC Horizon Elite Chewblet	C 208-230/60/1 (icemaking head) Self-contained only. D 115/60/1 (icemaking head) Self-contained and remote. If remote unit, high side is 208-230/60/1. F 115/60/1 (icemaking head) Remote only. High side is 208-230/60/3.	10 1000 lb (454 kg) 14 1400 lb (635 kg) 18 1800 lb (817 kg) 21 2100 lb (953 kg)	10 R404a 12 R449a	A Air-cooled, self-contained W Water-cooled, self-contained R Air-cooled, remote condensing unit included with ice machine N No condensing unit for connection to parallel rack system K Evaporator unit only, must be paired with Follett remote condensing unit, sold separately	M Ice Manager diverter valve system	S RIDE [®] (RIDE remote ice delivery equipment)

Existing Horizon series ice machines may be retrofitted to integrate with the Ice Manager diverter valve system. Based on the model number and serial number, determine the retrofit kit to order using the table below.

Horizon Elite ice machine model: _____ serial# (if existing Horizon ice machine): _____

Horizon Series Retrofit Kits¹

Horizon Model Number	Item number
1000/1400/1650 after C43650	00191965
1000/1400A/W prior to C43650	00185181
1000/1400R/N prior to C43650	00185272
1010/1410/1412/1810/2110	01116177

¹ Extra transport tube may be required to connect ice machine to diverter valve.

2. Select two receptacles to be filled

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

Lane 1 receptacle: _____ Lane 2 receptacle: _____

Follett Ice Transport and Storage			
New Follett ice storage bin or transport system model. See form# 4025 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 bin top item numbers. If ice machine will be top mounted on bin, see Step 3.			
Follett Symphony Plus Ice and Water Dispenser 110CM			
Follett Vision Ice and Beverage Dispensers			
New Follett Vision 155 and 300 ice and beverage dispenser model. No standard configuration for VU155N models, contact factory. 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 and Beverage Dispensers¹			
Coca-Cola Freestyle 9000 ²	Cornelius ED/DF250 Series	Lancer FS-16N/FS-22N/FS-30N/FS-44N	Servend MD150/MD175/MD200/MD250
Coca-Cola Freestyle 7000 ^{2,3}	Cornelius ED/DF300 Series	Lancer Sensation 30"/44"	Servend MDH302/MDH402
Coca-Cola Freestyle 9100 ^{2,4}	Cornelius IDC215	Lancer Touchpoint	Servend SV175/SV200/SV250
Cornelius ED/DF150 Series	Cornelius IDC255/Pro/Fast Gate	Lancer Bvariety	
Cornelius ED/DF175 Series	Cornelius Flavor Fusion/Overload	Pepsi Spire 3.0/5.0/4.1 ⁵	
Cornelius ED/DF200 Series	Lancer 4500-22N/4500-30N	Servend FRP-250	

¹ Consult with dispenser provider to be sure the dispenser is ready to dispense nugget ice.

² Consult with Coca-Cola and Follett to qualify application prior to ordering.

³ Requires DVF30 top kit ordered separately from Follett and top adapter kit 46412 and ice kit 46430, which must be ordered from Coca-Cola.

⁴ Requires DVF26 top kit ordered separately from Follett.

⁵ Approved only for Pepsi Spire 3.0, 5.0 and 4.1 designed for top mount ice machines. Requires DVP24 top kit for 3.0 and DVP30 top kit for 5.0 and 4.1, ordered separately from Follett. For manual fill versions of Pepsi Spire 3.0, 5.0 and 4.1, contact factory.

Configuring the Ice Manager diverter valve system (Continued)

3. Choose Horizon Elite series ice machine mounting option

Mounting option: _____

Wall Mount Bracket	Item number
HCD1010/1410 and HCF1010/1410/1412/1810/2110	00997098
HCC1010 and HCC1410	01085455
Machine Stand	Item number
HCC1010 and HCC1410	01085463
HCD1010/1410/1810/2110 and HCF1010/1410/1412/1810/2110	00997080
Follett Bin - Top Mount ¹	
New bin, see form# 4025 for models. When ordering bin, specify bin top to be cut for Ice Manager diverter valve system and ice machine ¹ .	
Existing bin, see form# 4025 for bin top listing. Requires replacement top cut for Ice Manager diverter valve system and ice machine when ordering ¹ .	
Other	
Specify what the Horizon series ice machine will be mounted on.	

¹ See drawings on page 4 for minimum bin width and required clearances.

4. Evaluate site for location of equipment

Lane 1 and Lane 2 receptacles

- Refer to dispenser or bin specifications for required clearances
- Refer to dimensional drawings on page 4 for required clearances for the Ice Manager diverter valve system

Follett Horizon Elite ice machine

- 10' (3 m) maximum distance from Horizon Elite ice machine to diverter valve
- Refer to specification sheet 7030, 7035, 1014, 8180 or 3311 for utility requirements and dimensions

Diverter valve

- 8' (2.4 m) maximum distance from diverter valve module to electric outlet
- 75' (22.9 m) maximum distance from diverter valve to Lane 1 and Lane 2 receptacles
- Drain required, 15' (4.6 m) of 3/8" ID drain tube provided

Control panel

- 30' (9.2 m) maximum distance from control panel to diverter valve

5. Determine length of ice transport tube for Lane 1 and Lane 2

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

- Ice transport tube can be ordered in lengths of 10' (3 m), 25' (7.6 m), 50' (15.3 m) and 75' (22.9). Include any bends and turns needed to connect components when calculating the length.
- Maximum vertical rise of ice transport tube – 10' (3 m)
- Horizontal run should be pitched so that melt water drains back to the ice machine. Ice transport tube run must have 1/4" per foot pitch.
- No dips or traps in the tube run

6. Placing an order

When submitting a purchase order, a total of five item numbers, one from each category below, needs to be included.

1. Diverter valve and control panel – Item# IMDV-2CM

2. Lane 1 receptacle – Please select one of the following:

- Ice and beverage dispenser (IBD)/bin – Item# LANE1-DISPENSER/BIN
 Follett Vision VU155 retrofit – Item# LANE1-VU155RETRO
 Follett Vision VU300 retrofit – Item# LANE1-VU300RETRO
 Follett Vision VU new – Item# LANE1-VISIONNEW¹

3. Lane 1 ice transport tube run – Please select one of the following lengths:

- 10' (3 m) – Item# LANE1-10FEET
 25' (7.6 m) – Item# LANE1-25FEET
 50' (15.3 m) – Item# LANE1-50FEET
 75' (22.9) – Item# LANE1-75FEET

4. Lane 2 receptacle – Please select one of the following:

- Ice and beverage dispenser (IBD)/bin – Item# LANE2-DISPENSER/BIN
 Follett Vision VU155 retrofit – Item# LANE2-VU155RETRO
 Follett Vision VU300 retrofit – Item# LANE2-VU300RETRO
 Follett Vision VU new – Item# LANE2-VISIONNEW¹

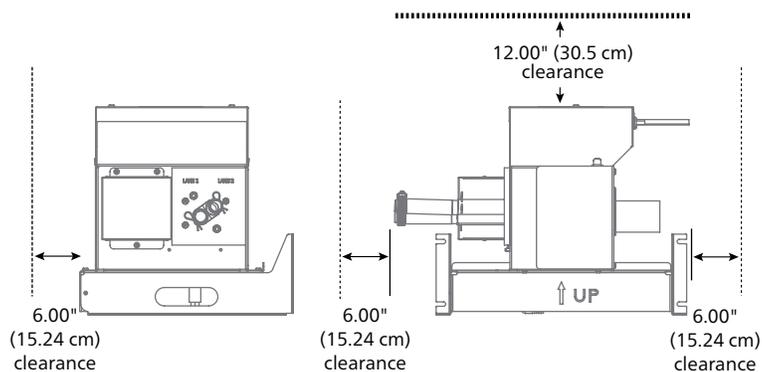
5. Lane 2 ice transport tube run – Please select one of the following lengths:

- 10' (3 m) – Item# LANE2-10FEET
 25' (7.6 m) – Item# LANE2-25FEET
 50' (15.3 m) – Item# LANE2-50FEET
 75' (22.9) – Item# LANE2-75FEET

¹ Requires factory-installed integration kit, item# VUIMDKIT (no charge), which must be ordered with the Vision dispenser and included on the purchase order.

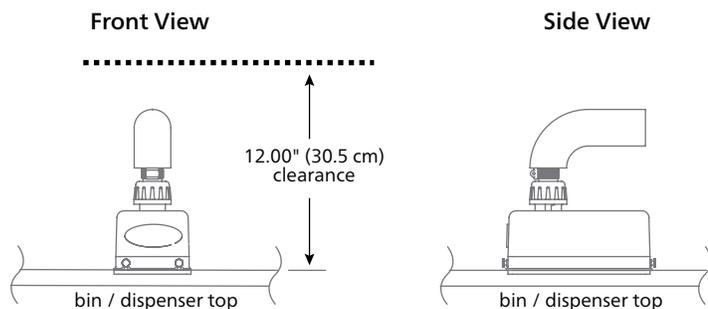
Required clearances for Ice Manager diverter valve system

Diverter valve



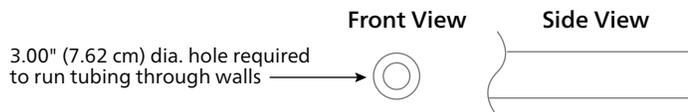
Sensor distribution unit

(bins and ice and beverage dispensers only)

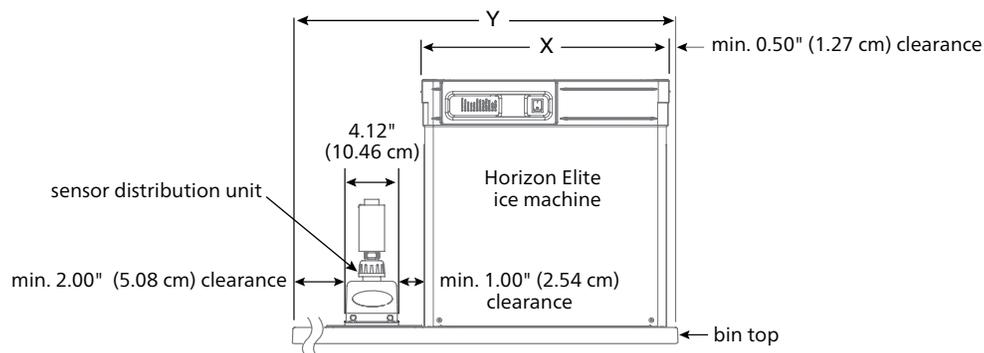


Insulated transport tube

(RIDE applications)



Top mount on a bin



Note: For 30.00" (76.2 cm) Follett bin, sensor distribution unit may be placed behind ice machine.

Specification

Ice type – Chewblet® and Micro Chewblet™

Control panel

W1 Width of control panel	12.00" (30.5 cm)
D1 Depth of control panel	3.75" (9.52)
H1 Height of control panel	12.50" (31.8 cm)
Connections	30' (9.2 m) cable to diverter valve

Diverter valve with mounting bracket

D2 Depth of diverter valve	14.50" (36.8 cm)
W2 Overall width	19.82" (50.3 cm)
W3 Width of bracket	16.00" (40.6 cm)
H2 Height of diverter valve	14.15" (35.9 cm)
Connections	8' (2.4 m) cord and plug, 15' (5 m) drain tubing
Drain	3/8" NPT barbed drain fitting
Lane 1 (length specified by customer)	ice transport tube, insulation and sensor cable to diverter valve, and connection kit for receptacle
Lane 2 (length specified by customer)	ice transport tube, insulation and sensor cable to diverter valve, and connection kit for receptacle
Electrical 115 V/60/1	1.5 amps, 8' (2.4 m) cord, NEMA 5-15 plug

Sensor distribution unit

W4 Width of distribution sensor	4.12" (10.46 cm)
D3 Depth of distribution sensor	7.75" (19.68 cm)
H3 Height of distribution sensor	3.50" (8.89 cm)

General information

Operating temperature	40 - 120 F (4 - 49 C), relative humidity not to exceed 55%
Net weight of Ice Manager	26 lb (12 kg)
Approximate ship weight of Ice Manager with ice transport tube	170 lb (77 kg)

NOTE: For indoor use only

SHORT FORM SPECIFICATION:

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

Ice machine to be Follett Horizon Elite model _____

Lane 1 receptacle item# _____
(ice and beverage dispenser, bin or Vision)

Lane 1 ice transport tube length item# _____

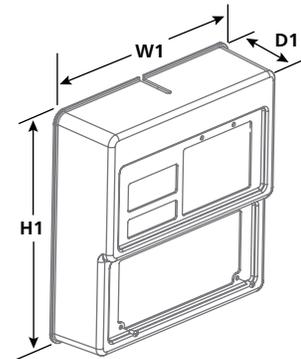
Lane 2 receptacle item# _____
(ice and beverage dispenser, bin or Vision)

Lane 2 ice transport tube length item# _____

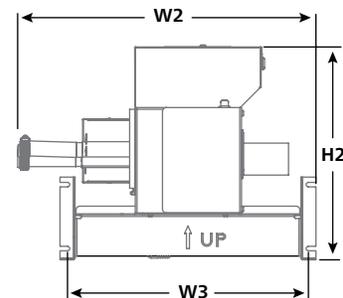
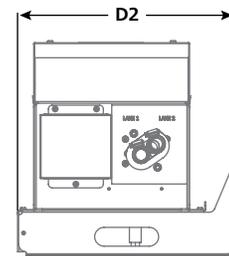
Horizon Elite ice machine to be mounted on _____
(bin, wall mount bracket or machine stand)

Dimensional drawing

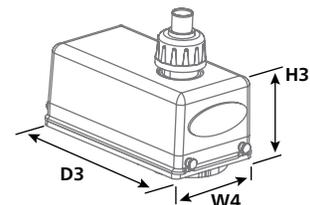
Control panel



Diverter valve with mounting bracket



Sensor distribution unit



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