



High quality, innovative solutions that fulfill all your "cold-side" needs. The Manitowoc Foodservice Group is comprised of three divisions and six brand names. The three divisions are – Manitowoc Beverage, Manitowoc Ice, and Manitowoc Refrigeration. Within the Beverage Division are brand names Servend and Multiplex; within the Ice Division is Manitowoc Ice; and within the Refrigeration Division are Kolpak, McCall, and Harford.



VERTICAL DISCHARGE REMOTE CONDENSERS

Remote air-cooled condenser systems improve efficiency and ice production, also conserve energy. Remote systems for Series 450, 600, 800, 1000, 1300, 1600, and 1800 ice machines consist of ice maker, bin, remote condenser, and interconnecting refrigerant lines. (Each ordered separately.)



ICE BAGGER™
Ideal for all ice bagging retailers. Convenient, time-saving, no-mess operation. Sits on bin door frame. Bracket adapts to left or right side location. Only 28.75" high, 10.25" wide, and 13.00" deep.

ARCTIC PURE™ WATER FILTER NEW QUICK DISCONNECT DESIGN

Conditions incoming water, reduces machine cleaning frequency and service costs, maximizes equipment performance, and improves ice quality. Features include replaceable filters, and compact size. All systems carry a 3-year parts and labor warranty (excluding filter cartridge).



LARGE CAPACITY BIN

Extra large ice storage capacity bin models. Choose 48" wide, 1,320 pound storage model or 60" wide, 1,490 pound model. Stainless steel exterior. Ice machine installation requires ice deflector or special bin top opening, purchased separately.



OPTIONAL, AUTOMATIC CLEANING SYSTEM (AuCS®)

Eliminates routine maintenance. AuCS counts the number of ice-making cycles and, at a frequency you select, initiates a cleaning or sanitizing cycle...AUTOMATICALLY. Choose from 2, 4, or 12-week settings. W 12.00" x H 12.12" x D 3.43". Available for most models.



GUARDIAN™
Manitowoc's exclusive Guardian system is patented technology that releases chlorine dioxide on a controlled basis to inhibit the growth of bacteria and fungi that form slime and cause odors in the food zone of ice machines. Available for most models.

QUALITY ASSURANCE

Before crating and shipment, every Manitowoc ice cube machine is operated for a minimum of two ice-making cycles. During this testing, inspectors record the serial number, air and water temperatures, humidity, freeze times, and harvest times as part of their final inspection. Ongoing reviews of this test data assure that Manitowoc ice machines consistently meet the highest standards of quality.



WARRANTY

Cube Ice Machine

- ◆ 5-year parts and labor coverage on Q, QQ and IB-model ice machine evaporators.
- ◆ 5-year parts and 3-year labor coverage on Q, QQ and IB-model ice machine compressor.
- ◆ 3-year parts-and-labor coverage on all dispensers, storage bins, and QM ice cube machines.

Flake Ice Machine

- ◆ 2-year parts-and-labor coverage on all components.
- ◆ Additional 3-year (5-year total) parts coverage on ice machine compressor.

See warranty statement for complete details.

LISTINGS...



WEB SITE

Visit us at www.manitowocice.com. The Manitowoc Ice Web Site is an informative and interactive site that is continually updated. Navigation pathways help educate the visitor on the many facets associated with the evaluation of an ice machine and provides a pathway for communicating with the factory and its representatives.



MANUFACTURER OF THE YEAR

Manitowoc Ice, Inc. received the Wisconsin Manufacturer of The Year Grand Award; winning over a field of 50 nominees. The award recognizes superiority in product innovation, customer service, and creative strategies to cope with business challenges.

Man-i-to-woc (man'a-ta-wôk) home of the Great Spirit, a city in east central Wisconsin on Lake Michigan; population 32,500.



ICE USAGE GUIDE

	Approximate Ice Cube Needs Per Day
Foodservice	
Restaurant	1-1/2 lbs. per person
Cocktail	3 lbs. per person/seat
Water Glass	4 oz. per 10 oz. glass
Salad Bar	30 lbs. per cubic foot
Fast Food	5 oz. per 7-10 oz. drink
	8 oz. per 12-16 oz. drink
	12 oz. per 18-24 oz. drink

Lodging	
Guest Ice	5 lbs. per room
Restaurant	1-1/2 lbs. per person/seat
Cocktail	3 lbs. per person/seat
Catering	1 lb. per person

Healthcare	
Patient Ice	10 lbs. per patient
Cafeteria	1 lb. per person

Convenience Store	
Beverage	6 oz. per 12 oz. drink
	10 oz. per 20 oz. drink
	16 oz. per 32 oz. drink
Cold Plate	.50% more ice per day
Packaged Ice	Lbs. per bag
	x bags sold per day

Beverage Service	
Drinks	40% ice per drink
	x number of drinks served on peak day



ISO 9001 QUALITY SYSTEM CERTIFIED

Quality is the #1 consideration at Manitowoc. Our company-wide commitment to quality makes us especially proud of our certification to ISO 9001 quality standards and our position as North America's first ISO-certified manufacturer of ice machines.



NOTES



Manitowoc

ICE MACHINES

Quick Reference Guide



America's #1 Selling Ice Machine

Ice Cube & Flake Machines
Ice Storage Bins • Ice Dispensers



Undercounter Design

Only 22" Wide

Stack-on Capability

Ice Dispensers

QuietQube® Height is for ice machine only.

Flake Ice

Self-contained



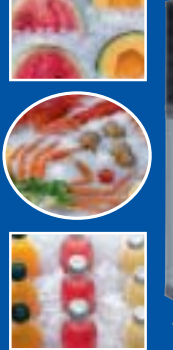
	QM30	QM45	Q-130	Q-210	Q-270	Q-280 S-170 Bin	Q-320 S-320 Bin	Q-370 S-320 Bin	Q-420 S-420 Bin	Q-450 S-400 Bin	Q-600 S-570 Bin	Q-800 S-570 Bin	Q-1000 S-570 Bin	Q-1300 S-970 Bin	Q-1600 S-970 Bin	Q-1800 S-970 Bin	Q-320' QPA-160	Q-450' QFA-291	Q-450' QPA-310	QQ600C	QQ800C	QQ1000C	QQ1400C	Q-Dual Ice machine only.	(2) Q-Dual's F-1475	IB-600	IB-800	IB-1000	QF-400	Chiplet QC-700 S-420 Bin	Flake QF-800 S-420 Bin	QF-2200 S-970 Bin RFC-2085	
LBS ²	65	95	147	220	290	290	310	360	530	530	690	810	980	1,370	1,650	1,880	120	180	180	635	760	980	1,375	1,820 ^{or} 2,000	3,640 ^{or} 4,000	635	760	980	395	710	780	2,150	LBS ²
H	36.00"	36.00"	38.50"	38.50"	38.50"	41.50"	59.50"	59.50"	76.50"	59.50"	71.50"	76.50"	79.50"	79.50"	79.50"	79.50"	75.50"	82.00"	82.00"	21.50"	26.50"	29.50"	24.00"	29.50"	89.50"	24.00"	26.50"	30.50"	38.50"	76.50"	76.50"	79.50"	H
W	19.69"	19.69"	26.00"	26.00"	30.00"	30.00"	22.00"	22.00"	22.00"	30.00"	30.00"	30.00"	30.00"	48.00"	48.00"	48.00"	22.00"	30.00"	30.00"	30.00"	30.00"	30.00"	30.00"	60.00"	22.00"	22.00"	22.00"	26.00"	22.00"	22.00"	48.00"	W	
D	22.34"	22.34"	26.50"	26.50"	28.16"	29.50"	34.00"	34.00"	34.00"	34.00"	34.00"	34.00"	34.00"	34.00"	34.00"	34.00"	30.00"	32.00"	32.00"	24.50"	24.50"	24.50"	24.50"	24.50"	31.00"	14.00"	14.00"	14.00"	26.50"	34.00"	34.00"	34.00"	D

CVD Condensing Unit is 25.75" H x 34.00" W x 24.13" D. For Q-Dual: 25.75" H x 53.00" W x 26.00" D.

Ice/Bev Series Height is for ice machine only.

Under counter

Flake Ice



Chiplet
QC-700
S-420 Bin

Flake
QF-800
S-420 Bin

QF-2200
S-970 Bin
RFC-2085

*Height includes ice machine. Order separately. Countertop ice and ice and beverage dispensers available through Manitowoc sister company Servend International. Contact your representative for details. ²Pounds produced per day. Approximate single cuber ice-making capacity based on air-cooled condenser unit at 70°F air and 50°F water.

CUBE SIZES
Unique "rhomboid" shaped cubes are easy to work with. Be sure to select the size that best suits your need for ice: "Half Dice" (3/8" x 1-1/8" x 7/8", 96 cubes per pound) or "Dice" (7/8" x 7/8" x 7/8", 48 cubes per pound). QM30 and QM45 dice size only.

EUROPEAN STYLING
Rounded* front panel with stainless steel wrap and ABS gray accents adds durability and beauty.

PATENTED, CLEANING AND SANITIZING TECHNOLOGY
To simplify maintenance, Manitowoc ice machines have a built-in, exclusive, patented, technology that automatically cleans or sanitizes the water distribution system.

*I/B model has flat front panel.

CORROSION-FREE
Compression-molded, composite resin base enhances structural strength and is corrosion-free.

CORROSION PROTECTION
White "poly-clad" steel interior protects metal from corrosive elements. In the same environment, ice machines with poly-clad steel last longer than those without. Helps maximize return on your equipment investment.

S-MODEL BINS
Internal scoop holder stays above ice line, promoting easy access and better sanitation. Bin door holds open while in use via a patented hinge pin design.

PVC BASE MOLDING
Protects metal from dents and scratches when cleaning beneath bin.

ICE DISPENSERS
QFA-291 available with Push-For-Ice dispense actuator and water valve. QPA-160 and QPA-310 have Push-For-Ice, coin-op and room card ice dispense actuator options.



Room Card
Coin-op

QUIETQUBE® "Remove The Noise!"
QuietQube Series Remote System consists of a remote condensing unit, interconnecting refrigerant lines, ice machine head section and ice storage unit whether storage bin, countertop or floor-standing dispenser. (All ordered separately.) QuietQube ice machine with CVD® condensing unit designed as a Manitowoc system and not for use with any other ice machine or remote condenser brand.



ICE/BEVERAGE SERIES
An ice machine designed specifically for beverage dispensers. Narrow, small footprint enhances cleanability; allows for improved sanitation procedures for the ice storage area and beverage valves. Narrow 14" depth of ice machine allows dispenser to be cleaned without having to remove ice machine. Adapter required.



FLAKE ICE SHAPES
Traditional flake and new chiplet. Flake ice is small, hard bits of ice. Chiplets are larger, irregular shapes of compacted flake ice with an approximate ice size of 3/4" x 3/4" x 3/16". Undercounter flake ice machines produce a mix of irregular pieces of flake and chiplet ice with a soft degree of hardness.



chiplet

flake

