Maestro™ flake icemaker

MF400 Series

Flake (A) air- or (W) water-cooled icemaker

MFD400ABT – 115V, 60Hz, air-cooled
MFE400ABT – 230V, 50Hz, air-cooled
MFD400WBT – 115V, 60Hz, water-cooled
MFE400WBT – 230V, 50Hz, water-cooled

Follett's modular flake icemakers offer the right ice for a broad range of healthcare and foodservice applications as well as exceptional reliability for long equipment life. Stainless steel exterior frame. Both air- and water-cooled models use environmentally-friendly R404A refrigerant and produce approximately 400 lbs/day (181kg) of soft, moldable flake ice.

Model MFD400ABT flake icemaker (shown on Follett 425-30 ice storage bin, ordered separately)

The required ice for clinical labs, rehab and medical research

- High surface area of flake ice chills quickly, maintains samples at desired temperature
- Holds test tubes and lab vials securely, even during meltage
- Molds well in ice bag and rehab applications for best skin contact, swelling control

Perfect for foodservice and grocery displays

- Cradles fish and vegetables without bruising
- Securely supports salad bar containers without tipping

Efficient, dependable design

- Continuous icemaking process saves substantial water and electricity compared to cube ice, making flake ice displays more economical
- Stainless steel frame and cabinet resist corrosion
- Heavy-duty stainless evaporator, auger and top bearing deliver outstanding reliability
- Solid-state PC board monitors torque and provides at-a-glance machine status
- Sealed gearbox and motor
- High-pressure cut-out switch protects machines from water-loss or fan failure

Wide range of ice bins available to meet virtually every storage need

- Compatible with more than 20 of Follett's high-quality ice storage bins
- Stainless steel exteriors and polyethylene bin liners ensure long bin lives
- Foamed CFC-free polyurethane insulation minimizes meltage
- Storage capacities from 400 lbs (181kg), widths from 30" (762mm)

Accessories

- Water filter kit (item# 00130229)
- Ice scoop (item# ABICESCOOP)
- SafeCLEAN™ environmentally-responsible ice machine cleaner (item# 00132001)
- San Jamar Saf-T-Ice* Guardian scoop system (item# 00146365)

* Saf-T-Ice is a registered trademark of San Jamar, a division of the Coleman Group, Inc. in the United States.

FOLLETT™
Innovative solutions, inspired by ice

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Form #2985

MF400 Series

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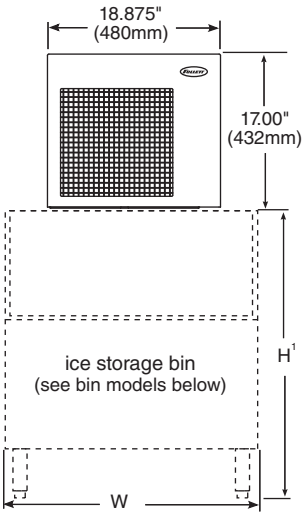
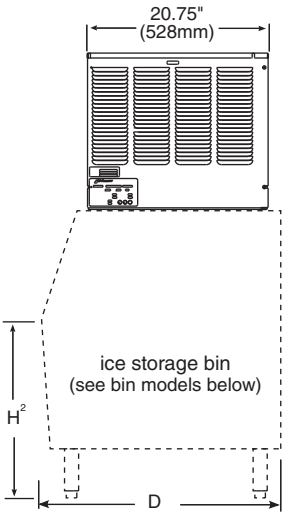
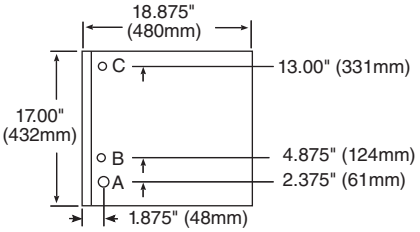
Front View
air- and water-cooled



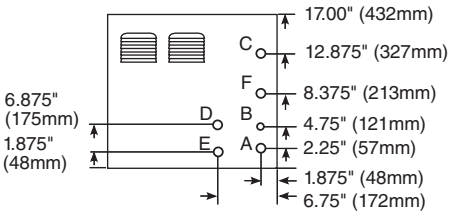
Side View
air- and water-cooled



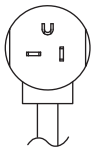
Back View
air-cooled



Back View
water-cooled



Plug Configuration
NEMA 5-20
(MFD models only)



A – 3/4" MPT drain
B – 3/8" OD push-in water inlet
C – Electrical
D – 3/8" FPT condenser inlet
E – 3/8" FPT condenser drain
F – Bin signal cord

Ice Storage Bins

Model Number	Cubic Volume cu ft (m)	Max. Bin Capacity lb (kg)	Width in (mm)	Depth in (mm)[2,3]	Height (H[1]) in (mm)	Height (H[2]) in (mm)	Req'd Door Access in (mm)	Approx. Ship Weight lb (kg)
425-30	13.8 (.39)	430 (195)	30 (762)	29.50 (750)	40 (1016)	24.5 (623)	31 (788)	144 (65)
650-44	20.8 (.59)	660 (299)	44 (1118)	29.50 (750)	40 (1016)	24.5 (623)	32 (813)	190 (87)
950-48	30.1 (.85)	950 (431)	48 (1220)	28.25 (718)	50 (1270)	34.5 (877)	32 (813)	207 (94)
1025-52	32.6 (.92)	1030 (467)	52 (1321)	28.25 (718)	50 (1270)	34.5 (877)	32 (813)	204 (93)

Other bins available – refer to form# B300

Ice Production

Air-cooled icemaker capacity/24 hrs.

Inlet Water Temperature °F/°C	Ambient Air Temperature F/C						
F	60	70	80	90	100		
C	16	21	27	32	38		
50	510	454	397	335	273	lbs.	
10	232	206	180	152	124	kg.	
60	482	435	389	329	270	lbs.	
16	219	198	177	150	123	kg.	
70	454	417	380	323	266	lbs.	
21	206	190	173	147	121	kg.	
80	424	385	347	297	247	lbs.	
27	193	175	158	135	112	kg.	
90	394	354	313	270	227	lbs.	
32	179	161	142	123	103	kg.	

Water-cooled icemaker capacity/24 hrs.

Inlet Water Temperature °F/°C	Ambient Air Temperature F/C						
F	60	70	80	90	100		
C	16	21	27	32	38		
50	451	447	442	437	428	lbs.	
10	204	202	200	199	194	kg.	
60	423	413	409	399	394	lbs.	
16	192	187	185	181	179	kg.	
70	394	390	380	371	361	lbs.	
21	179	177	172	168	163	kg.	
80	371	361	352	342	333	lbs.	
27	168	163	160	155	151	kg.	
90	352	342	333	323	309	lbs.	
32	160	155	151	146	140	kg.	

Required Clearances

When icemaker mounted with condenser facing rear of bin: 6" left and right

Operating Limits

Ambient air temp. range – 50 F to 100 F (10 C to 38 C)
Water temp. range – 45 F to 90 F (7 C to 32 C)
Potable water pressure – 10 psi to 70 psi (69kpa to 483 kpa)
Condenser water pressure – 10 psi to 150 psi (69kpa to 1035kpa)

Standard electrical – MFD models, 115V, 60Hz, 1 phase, 11.0 amps, max. fuse 20 amps. Cord and plug provided with each icemaker, separate circuits required for each. If local code requires hard-wiring, separate disconnects also required.

Alternate electrical – MFE models, 230V, 50Hz, 1 phase, 6.5 amps, max. fuse 20 amps. Cord only. Wire in accordance with all local codes.

Approximate Shipping Weight 160 lbs (73kg)

Dimensions

Overall Dimensions		
Height	Depth	Width
17.0" (432mm)	20.75" (528mm)	18.875" (480)

Water Flow Requirements for Water-Cooled Condensers

Water Temp. F°/C°	70/21
Water Flow:	
Gallons/100 lbs of ice	73
Liters/45 kg of ice	276

Energy Consumption

KWH per 100 lbs (46kg) ice†	
Air-cooled	5.7
Water-cooled	5.5

† Air temp. 90 F (32 C); water temp. 70 F (21 C)

Heat Rejection Data

Model	Heat rejected in BTU/hr	
	to air	to water
Air-cooled	5000	n/a
Water-cooled	1400	3600

Water consumption

12.6 gal (48L) of potable water usage per 100 lbs (46kg) of ice.

Maestro and SafeCLEAN are trademarks of Follett Corporation.
Follett reserves the right to change specifications at any time without obligation. Certifications may vary depending on country of origin.

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