

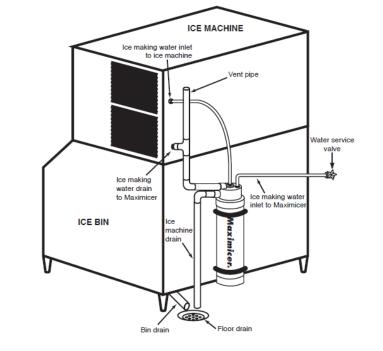


Put ice machine waste water to good use with the MaximICER heat exchanger. This patented system recycles the waste water from an ice machine to significantly lower the temperature of incoming fresh water. This provides energy savings for the ice machine by decreasing ice harvest cycle times, increasing production, and increasing ice availability in the bin.

The MaximICER works through a simple, hassle free process. Waste water from the ice machine enters the reservoir tank of the MaximICER. As fresh water enters the MaximICER, it flows through the reservoir tank allowing the cold from the waste water to transfer to the fresh water without the two sources mixing. This reduction of temperature significantly lowers the cooling load of the ice machine's refrigeration system, extending the life of the ice machine while improving its performance and production.

FEATURES AND BENEFITS:

- Lowers temperature of incoming fresh water.
- Produces more ice by shortening the ice making cycle times.
- > Optimizes ice availability in the bin.
- Saves electricity by filling the bin faster and allowing the ice machine to shut off.
- Extends the life of the ice machine by lowering compressor head pressure.
- Reduces air conditioning costs (for air-cooled ice machines)
- Utilizes patented anti-mineralization technology.
- Models available for all types of ice machines.

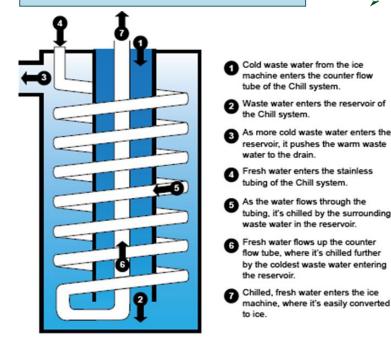


Connections		
Inlet Water Connections	ICE-1800 ICE-S	3/8" tube fitting
	ICE-H	1⁄2" tube fitting
Drain Water Connections	ICE-1800 ICE-H ICE-S	¾" PVC fitting
Specifications		
Maximum Operating Press	ure	150 psi
Minimum Operating Press	ure	30 psi

Applications

ICE-1800	Best for ice machines over 300 pounds per day.
ICE-H	Hoshizaki North American cube ice
	machines only.
ICE-S	All flake or shaved ice machines.

How it Works



The Chill ICE Calculator

Ice Maker Capacity (lbs/day)	400	600	800	1000	1200	1800	2400
Actual Daily Production using mfg's 90-70 specs (lbs/day)**	330	460	700	820	1,075	1,350	1,875
Annual Ice Production (lbs)	120,450	167,900	255,500	299,300	392,375	492,750	634,375

Increase ICE production by 30%!

Extra Ice Production (lbs/day)	99	138	210	246	322.5	405	562.5
Increased Ice Production (lbs/year)	36,135	50,370	76,650	89,790	117,713	147,825	205,313
Value of Additional Ice @ \$0.01 /lb	\$361.35	\$503.70	\$766.50	\$897.90	\$1,177.13	\$1,478.25	\$2,053.13

Current Daily Ice Production	Х	0.3	Х	365 =	LBS

Save on Electricity by 30%!

Typical kWh to produce 100lbs of Ice	8.5	8.3	6.1	5.9	5.7	6.1	5.6
kWh usage per day (daily production/100	28.05	38.18	42.7	48.38	61.275	82.35	105
*kWh per 100 Annual Savings of 30%	\$1,023.83 \$307.15	\$1,393.57 \$418.07			,,	\$ 3,005.78 \$901.73	\$3,832.50 \$1,149.75

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Total Electric Bill	v	Daily ice prod.	kWh	vozv	365 \$	
kWh Used	^	100	per 100 lbs.	X 0.3 X	505 3	

= values to be inserted for your calculation

* Check your electric bill - Divide total cost by kWh costs. Stated Rate does not include misc. costs and fees ** Ice productions are general manufacturer's ranges. Check yours. Field conditions, Air & Water temp determine actual production increases. Check each manufacturers kWh specs for actual numbers - Divide 24 hour production by 100.

FEMP has calculated¹ that the required ENERGY STAR–qualified product is cost-effective if priced no more than \$1,515 above the less efficient alternative. The most efficient level saves the average user more money: \$1,620. The complete cost-effectiveness example and associated assumptions are provided in Table 1.

TABLE 1. LIFETIME SAVINGS FOR EFFICIENT AIR-COOLED ICE MACHINES								
Best Available ^a Model Required Model Less Effic								
Annual Ice Production (lb)	100,000	100,000	100,000					
Energy Consumption Rate (kWh/100 lb)	6.8	7.0	9.8					
Annual Energy Use (kWh/year)	6,800	7,000	9,800					
Annual Energy Cost	\$612	\$630	\$882					
Lifetime Energy Cost	\$3,680	\$3,785	\$5,300					
Lifetime Energy Cost Savings	\$1,620	\$1,515						

^a More-efficient products may have been introduced to the market since this information was published.



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