

HOWE®



Rapid Freeze®

FLAKE ICE
EQUIPMENT

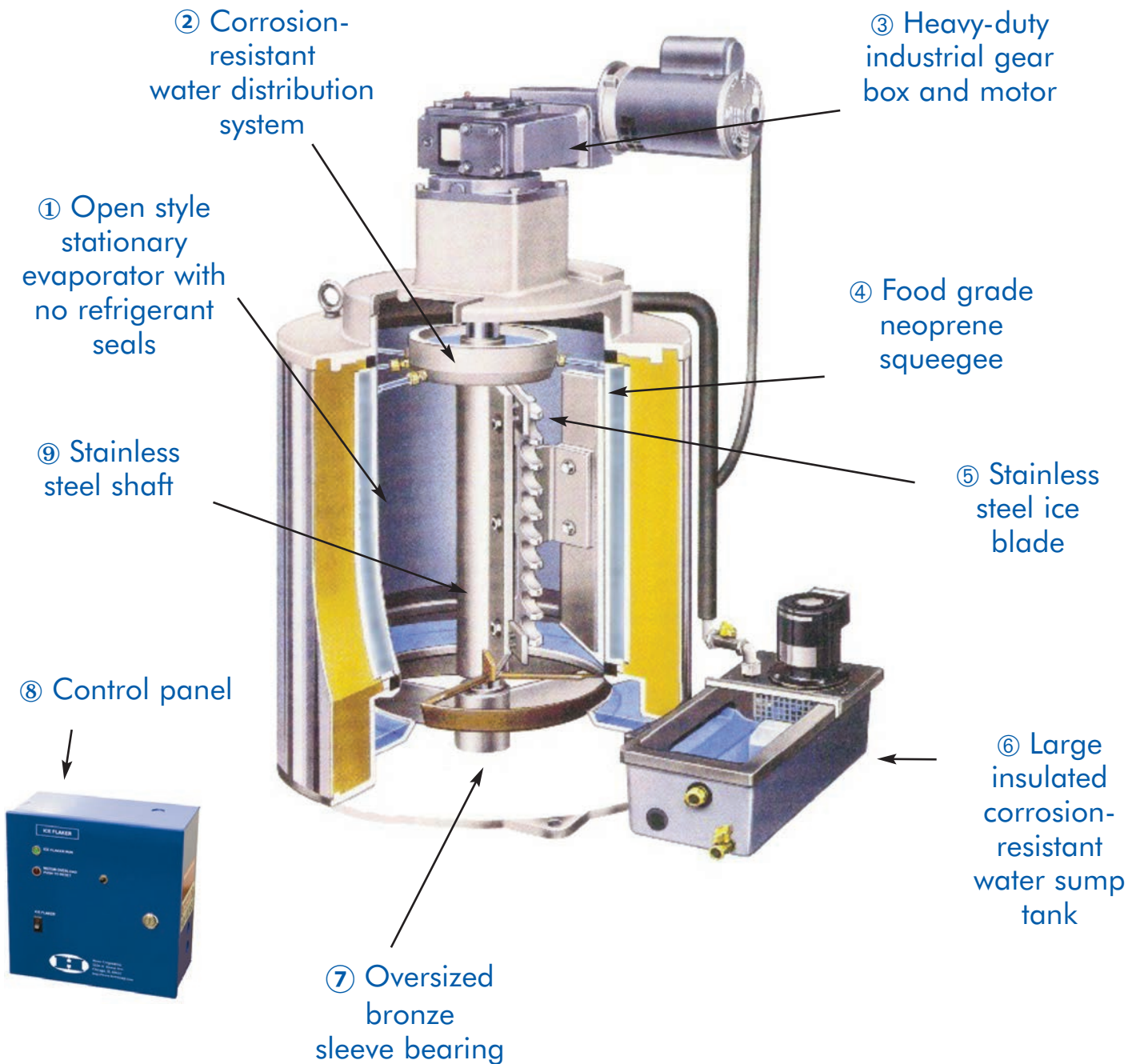
#Howelce®

SIMPLY THE BEST ICE

In a rare combination of simplicity, functionality, and affordability, Howe's *Rapid Freeze*® Ice Flaker has earned its reputation as the world's best value in ice equipment.

Howe's *Rapid Freeze*® product line features superior warranty coverage to all competing brands. Featuring 25 year evaporator, 10 year ice blade, and 2 year parts warranty coverage. At the heart of this reliable industrial grade ice flaker is a sophisticated design with only one moving part.

Durable components are constructed of high-strength, light-weight, and corrosion-resistant materials for years of trouble free service. *Rapid Freeze*®'s cylindrical shape is the most compact in design of any like-capacity ice maker on the market.



MACHINE MONEY CAN BUY

① EVAPORATOR

For over 50 years, this rugged, time tested evaporator has set the standard for efficiency and longevity. The open style, vertical flaker design performs multi-functional tasks of making and harvesting ice in one motion. Because the ice is harvested by gravity, wear is drastically reduced, resulting in an extraordinarily long evaporator life that is backed by Howe's 25 year evaporator warranty.

The greatest advantage of *Rapid Freeze*® is that the evaporator remains stationary and requires no refrigeration seals. In addition to all of the other benefits this evaporator design has, it is far less susceptible to refrigerant leaks than rotating evaporators.

② WATER DISTRIBUTION SYSTEM

Howe's corrosion-resistant water distribution system is easily adjustable and works on pump pressure alone to evenly distribute water over the evaporator. Any water not frozen to the evaporator in the first pass is chilled and recirculated to the sump to conserve energy and water consumption.

③ GEAR BOX AND MOTOR

The heavy-duty, double reduction gear box is linked to a direct drive, high torque motor. This results in a smooth and powerful drive train to turn the ice blade inside the evaporator. Positioned above the ice machine, the assembly remains dry and easily accessible for maintenance.

④ NEOPRENE SQUEEGEE

Designed for years of life, the food-grade squeegee removes all excess water from the ice before it is harvested. A 100% dry, sub-cooled, flake ice with unparalleled thermodynamic capacity is produced.

⑤ ICE BLADE

Machined to exact tolerances, the durable ice blade is made of stainless steel to resist wear and improve sanitation. Covered by a 10-year warranty, the longest in the industry.

⑥ WATER SUMP

Our insulated and corrosion-resistant water sump is designed to be simple and accessible. It resists wear and uses a simple float valve to maintain ice production. This design allows field maintenance to be done quickly, easily and inexpensively when necessary.

⑦ BEARINGS

All *Rapid Freeze*® Flakers employ the use of bronze sleeve bearings equipped with lubrication fittings. The bearings form a metal-to-metal seat with the main shaft. *Rapid Freeze*® flakers minimize torque with slow design drive motor RPM and proper lubrication. The result is an extremely long bearing life.

⑧ CONTROL PANEL

Howe's control panel is an evolution of decades of improvements and uses the latest state-of-the-art smart technology. The control panel constantly monitors drive motor amperage while sensing a variety of other machine functions. In the event of an overload or malfunction, the machine shuts down safely until a technician can resolve the problem.

⑨ SHAFT

The shaft of the *Rapid Freeze*® Flaker runs vertically along the center line of the machine and acts as a heavy-duty structural support for the ice harvesting components. As the only moving part in the evaporator, it simplifies the machine's operation and drastically reduces maintenance costs.



THE HOWE DIFFERENCE

DURABILITY

Long known for its heavy-duty design, the Howe *Rapid Freeze*® not only lasts longer than competing brands of ice machines, it has the longest evaporator warranty of any flaker on the market.

LOW MAINTENANCE

Howe's simple design requires a fraction of the number of parts used in most other makes of ice machines. This, coupled with heavy-duty parts, allows the *Rapid Freeze*® to have one of the lowest maintenance costs compared to many of our competitors.

HIGH CAPACITY AND FAST RECOVERY

All models of Howe *Rapid Freeze*® Flakers from 1 to 10 tons per 24 hours are based upon AHRI test standards of 70°F water and 90°F air conditions. Combined with 100% ice quality. The *Rapid Freeze*® easily out paces other competing brands.

ENERGY EFFICIENCY

Superior energy efficiency is what sets Howe apart from most of the competition. Contact Howe for more information on potential energy savings using *Rapid Freeze*® ice flakers.

ENERGY STAR® MODELS

Select models from 1,000 through 4,000 pounds are ENERGY STAR® Qualified.



EASE OF INSTALLATION

Howe now offers a 1000 pound per day self contained ice flaker. This newly designed model incorporates a state-of-the-art touchscreen control panel. Setting it up couldn't be any easier, simply place on bin, connect power and water and turn it on. It's that simple.

FUNCTIONALITY

Howe's *Rapid Freeze*® product line offers an optimized number of configurations to fit each customer's unique application and requirements at a competitive price. This expertise allows Howe to remain a leader within the food retail, food processing, and fishing industries leveraging the *Rapid Freeze*® product line capabilities.

REFRIGERANT FLEXIBILITY

Howe Flakers offer more flexibility than the competition because of the wide range of compatible refrigerants. Our standard units operate with environmentally friendly R-404A. Other *Rapid Freeze*® units are compatible with virtually any refrigerant including: R-407x, R-448, R-449, R-22, R-507, R-717 (ammonia), R-744 (CO₂) and propylene glycol. Howe's *Rapid Freeze*® product line can be configured for both direct expansion and secondary refrigeration systems.

HIGH QUALITY ICE

Rapid Freeze® produces a 100% dry, crisp, sub-cooled ice that cools faster and more efficiently than any other ice. Its sparkling appearance and enhanced surface is superb for merchandising and unsurpassed in process cooling applications.



COMMERCIAL

LIGHT INDUSTRIAL

Models with daily ice production for
Models for use with virtually any refr

Rapid Freeze[®] APPLICATIONS

Perishable Foods

Supermarkets
Seafood Retailers
Meat Retailers
Produce Retailers
Delicatessen
Restaurants and Salad Bars
Caterers

Food Processors

Sausage Processors
Poultry Processors
Seafood Processors
Bakeries
Dairies

Health Care

Hospital Burn Centers
Blood Banks

Farming and Distribution

Produce Farming
Fresh Produce Wholesalers
Seafood Wholesalers
Seafood Importers and
Exporters

Zoos and Theme Parks

Polar Animal Exhibits
Rides and Attractions

Aquaculture

Shrimp Farms
Salmon Farms
Catfish Farms
Tilapia Farms

Industrial

Chemical Plants
Ink Plants
Leather Tanners
Concrete Plants

Commercial Fishing

Factory Ships
Draggers
Long-Liners
Scallop Boat
Shrimp Boats
Unloading Facilities



INDUSTRIAL

COMMERCIAL FISHING

*from 1,000 through 20,000 pounds.
Refrigerant including ammonia and CO₂*

CAPACITY AND LOAD RATINGS

Model Series	Nominal Capacity		Evaporator Temperature		Approximate Refrigeration Load		
	Tons Ice/24 hr.	Kg. ice/24 hr.	Freshwater	Seawater	BTU/hr.	kcal/hr.	Watts
1000	.5	454	0°F (-17.8°C)	Not Available	9,500	2394	2784
2000	1	908	-5°F(-20.6°C)	-30°F(-34.3°C)	17,050	4300	5000
3000	1.5	1362	-5°F(-20.6°C)	-30°F(-34.3°C)	25,575	6450	7500
4000	2	1816	-5°F(-20.6°C)	-30°F(-34.3°C)	34,100	8590	9988
6000	3	2724	-5°F(-20.6°C)	-30°F(-34.3°C)	51,150	12890	14988
51	5	4540	-5°F(-20.6°C)	-30°F(-34.3°C)	85,250	21490	24988
76	7.5	6810	-5°F(-20.6°C)	-30°F(-34.3°C)	128,000	32260	37512
101	10	9080	-5°F(-20.6°C)	-30°F(-34.3°C)	170,500	42970	49965

*Note:
Refrigeration load can vary based on ambient conditions, Inlet water temperature, and other factors. Consult with Howe for specific guidance on refrigeration loads.*

HOWE *Mobile Express*[®] & UPRIGHT BINS



Only Howe gives you:

- ◆ Revolutionary Design features
- ◆ Fast, clean and safe solutions for handling ice
- ◆ Heavy Duty construction for years of durable and dependable use.
- ◆ Models designed for food grade applications
- ◆ NSF approved models



No matter what your ice storage and ice handling requirement are, Howe has a perfectly engineered solution to suit your needs. Mobile express solutions from 200 pounds up through 4,500 pounds storage capacity, as well as the industry standard upright style bins in capacities from 1,000 pounds up through 4,900 pounds. All Howe storage bins features specially engineered tops with integral ice level control boxes factory mounted for precise alignment, providing greater protection and external access to photo eyes.

HOWE *Rapid Freeze*[®] CONDENSING UNITS



Howe *Rapid Freeze*[®] condensing units are engineered with the correct capacity, components and controls to match each and every Howe *Rapid Freeze*[®] Flake Ice Machine. These condensing units are designed for unexcelled quality, reliability and long life. They are durable, energy efficient and available in a wide variety of refrigerants and electrical voltages.

WARRANTY

FRESH WATER GENERAL AND SELECTIVE PURPOSE UNITS

25-Year-Evaporator Warranty

10-Year-Ice Blade Warranty

2-Year-Speed Reducer Warranty

2-Year-Warranty on parts - Excludes Compressor

1-Year-Compressor Warranty

SEAWATER SELECTIVE PURPOSE UNITS

1-Year-Evaporator Warranty

1-Year-Warranty on the remainder of the parts

See specific equipment warranty

for complete details.

CONTACT HOWE FOR ADDITIONAL SERVICES



Replacement Parts



Start Right Solutions



Filters and Accessories



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