NORTHSTAR ICE MAKER

ISO-9002



Underwriters Laboratories

NORTH STAR

FREEZING EQUIPMENT IND. P. LTD. S.No. 329, Ambervet, Pune-Paud Road, Tal. Mulashi, Dist. Pune (India)-412 108.

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ALSO APPROVED BY





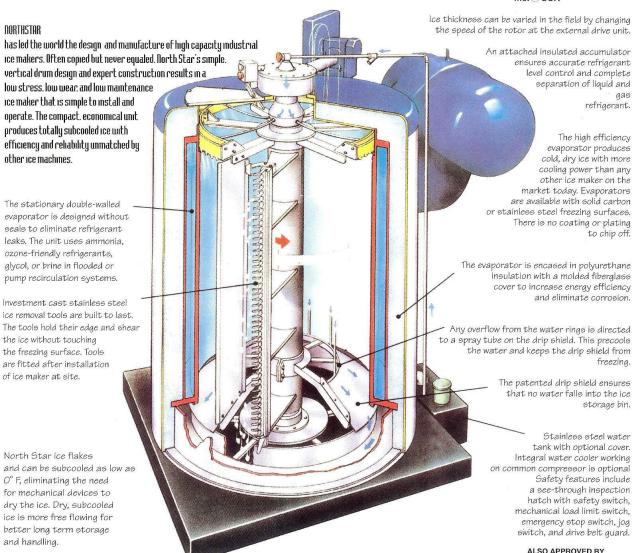


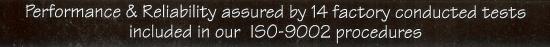


Proven USA Designed Northstar Ice Makers now from ISO-9002 Approved Facility In India.



Underwriters Laboratories Inc.® USA





Built for Years of

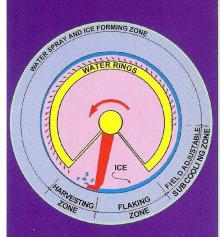
Trouble Free Operation

Nine North Star models produce between two and 56 tons of ice continuously with no defrost cycles to interrupt the supply.

To begin the ice-making process, water is pumped from the stainless steel recirculating water tank to the top of the rotor. It is then distributed to the freezing surface via water rings.

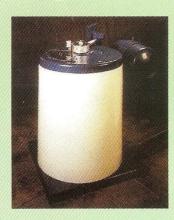
The water freezes immediately on contact with the freezing surface, then is thoroughly subcooled to make dry ice with superior cooling power. The temperature of the ice can be easily adjusted by changing the subcooling zone located ahead of the ice removal tools.

After subcooling, the ice is sheared from the surface by the ice removal tools and falls out of the bottom of the ice maker. Any water that does not freeze returns to the water tank for recirculation.



North Star

Makes Better Ice



North Star Ice is the most effective and economical choice for your cooling needs.

Faster cooling and mixing

North Star flake ice provides more than 17,000 square feet of cooling surface area per ton of ice for the greatest cooling efficiency. Other types of ice offer only 4,260 to 11,050 square feet of cooling surface area. Thorough subcooling also ensures that North Star ice contains more BEUs per ton than any other type of ice.

Greater product protection

North Star ice stays dry, packs well and cushions products against damage. Its flat shape will not create indentations in perishable products.

Better product coverage

Flat ice flakes flow more freely and provide greater contact area than other types of ice.

Easier storage and distribution

Because North Star ice is completely dry, it remains free-flowing in a low-temperature storage bin and conveys easily via screw or pneumatic systems.

No Ice Maker

Delivers More

Versatile

Makes ice from fresh water, seawater or other liquids.

Uses standard or ozone-friendly refrigerants.

Can be installed on land or aboard ships with a broad range of power options.

Approved by the USDA for use in food processing plants.

Choose either a solid carbon or stainless steel freezing surface.

Manufactured with standard stainless steel water makeup tank and ice removal tools. Other stainless steel options are available.

Combine two or more models for greater ice making capacity.

Economical

Produces more ice than any other ice maker using an equally rated compressor.

Operates continuously with no defrost cycles.

Makes the coldest ice with better cooling power than any other ice maker.

Reduces refrigeration losses with insulated fiberglass enclosure.

Converts all water to ice without water loss.

Saves space with compact design.

Installs easily and requires minimal maintenance.

Dependable

Designed with only one major moving part and no refrigerant seals.

Built for industrial use with high quality heavy-duty parts. No other ice maker is as compact and heavy-duty as North Star.

Covered by a one year warranty on all North Star produced parts and a North Star performance guarantee.



Ice Maker Specifications

Model numbers indicate the square feet of freezing surface for eachmodel.
"CS" designates a carbon steel freezing surface; "SS" indicates a stainless steel freezing surface.

	-	OIL FILLED SIGHT GLASS - \$	PRESSURE OUNGE -CA O O	sucro
7	MATER CONTROL VALVE (C)			AMMONIA LINE
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± 9 8			J * .	SA SA DE MICE
OE GRAN	20	1		CONTROL CONTROL
		-4	7	X X
CL SEPARATION TANK	2 B 2 B	TI.	 	
OL DRAIN	OR ICE TROLLY	WATER CROL	NATER MET	STRAINER

Product	Specifi	cations	Dir	mensions		Shippin	g Informa	tion
IM Models	Pump HP	* Capacity (MT/24 Hrs)	Height	Width	Length	Domestic Wt	Export Wt	Volume
M-15 SS M-15 CS	0.5 0.5	6.5 8.2	51 in 1320 mm	46 in 1150 mm	56 in 1450 mm	700 Kg	882 Kg	110 ft ² 3 m ³
M-20 SS M-20 CS	0.5 0.5	10.0 13.0	62 in 1530 mm	46 in 1150 mm	56 in 1450 mm	900 Kg	1018 Kg	140 ft ³ 4 m ³
M-30 SS M-30 CS	0.5	13.0 17.0	63 in 1600 mm	56 in 1422 mm	83 in 2108 mm	2000 Kg	2200 Kg	285 ft ³ 8.1 m ³
M-40 SS M-40 CS	0.5	18.0 21.0	75 in 1905 mm	56 in 1422 mm	83 in 2108 mm	2364 Kg	2591 Kg	326 ft ³ 9.2 m ³
M-50 SS M-50 CS	1.0	23.0 27.0	87 in 2210 mm	56 in 1422 mm	83 in 2108 mm	2850 Kg	3050 Kg	420 ft ³ 12.0 m ³
M-60 SS M-60 CS	1.0	30.0 36.0	81 in 2057 mm	76 in 1930 mm	107 in 2718 mm	3632 Kg	3864 Kg	510 ft ³ 14.4 m ³
M-75 SS M-75 CS	1.0	35.0 42.0	87 in 2210 mm	76 in 1930 mm	109 in 2769 mm	4200 Kg	4500 Ka	560 ft ³ 16 m ³
M-90 SS M-90 CS	2.0	43.0 50.0	105 in 2667 mm	76 in 1930 mm	109 in 2769 mm	4773 Kg	5091 Kg	645 ft ³ 18.3 m ³

Capacity is based on the following - Refrigerant R-717 (Ammonia) reasonably oil Free, (-) 35°C Freezing temperature, + 16°C inlet feed water temperature to the Ice Maker, Average Ice Temperature (-) 4°C, Average Ice thickness 1.5 mm. For any other requirements and conditions other than above consult us freely. In built water chiller available when freezing temp. of -13°C to -17°C used. **Note:** Models & Specification are subject to change without prior notice.

The World Leader in Ice Technology

Since 1950, North Star Ice Equipment Corporation has been known the world over for its line of ice makers and ice handling systems. The company's product line includes ice rakes and storage systems, ice delivery systems, contems, containerized ice plants and other related products. North Star ice systems and now operating in over 90 countries in a wide variety of applications.

Seafood Fishing, aquaculture, at-sea & land-based processing, holding, transportation & display	Meat & Poultry Processing & value-added products	Chemical Dye & chemical manufacturing	Grocery Perishable food holding & display
Agro-Produce Perishable cooling & transport	Bakery Dough cooling	Construction Concrete cooling	Recreation Ski resort snow-making

Sales Agents

North Star Equipment Sales P. Ltd.

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ICE WITHIN HOURS OF
PURCHASE OF UNIT, AVAILABLE.
ASK FOR MORE DETAILS.