

North Star®

World Leader in Ice Technology

Stainless Steel Flake Ice Makers



North Star
FLAKE ICE MAKERS

ELITE
STAINLESS STEEL

**STAINLESS
STEEL
ICE MAKERS**

North Star Stainless Steel Flake

The world leader in ice technology, North Star Ice Equipment has over 55 years of experience working with food processors around the globe. Our stainless steel flake ice makers are designed to meet the demanding requirements of food processors, including those in the seafood, processed meat, poultry, produce and baking industries.

The Best Choice for Food Applications

Available in three configurations, all North Star stainless steel flake ice makers feature a solid stainless steel freezing surface and a lifetime evaporator warranty to ensure their durability and long life. Additional stainless steel components throughout the machine meet international food safety and sanitation requirements. Long-lasting and corrosion-resistant, stainless steel has long been recognized as the best material for all types of food processing equipment, including ice makers. Most importantly, North Star stainless steel ice makers produce top quality, sub-cooled flake ice for fast, efficient product cooling, allowing food processors to maintain their cold chain and extend the shelf life of their perishable products.

Feature	Benefit
Solid stainless steel freezing surface	<ul style="list-style-type: none">• Will not chip, flake, pit or corrode like chrome plated, aluminum, or carbon steel freezing surfaces• Long-lasting• Durable• Easy to clean
Stainless steel components	<ul style="list-style-type: none">• The smart choice for food safety and sanitation• Will not corrode under normal operating conditions• Low maintenance• Simple shut down and start up each season• Compatible with plant sanitation methods
Makes sub-cooled flake ice	<ul style="list-style-type: none">• The best type of ice for food applications• Superior surface area coverage for faster, more efficient cooling• Flat shape will not harm perishable products• Free-flowing, easy to move and store• Blends easily with other foods without damaging mixing equipment
Lifetime evaporator warranty	<ul style="list-style-type: none">• Dependable and built to last• The best in the industry

Stainless Steel Flake Ice Maker Selection Chart

No matter how you use ice, North Star has an ice maker that's right for the job. Our three lines of stainless steel ice makers offer the advantage of a solid stainless steel freezing surface and different combinations of stainless steel components to fit your requirements. North Star stainless steel ice makers meet ASME and European Pressure Vessel Code (PED) standards.

	Good	Better	Best
	Standard Stainless Steel	Stainless Steel Plus	Elite Stainless Steel
Freezing Surface	Solid stainless steel	Solid stainless steel	Solid stainless steel
Recommended Applications	Initial cooling, top icing, and transport of whole perishable products.	Initial cooling, top icing, and transport of whole or cut perishable products.	Ice is used as an ingredient and blended into a food mixture.
Seafood Processing and Fishing	✓	✓	
Produce	✓	✓	
Poultry		✓	✓
Meat/Processed Meats/Sausage		✓	✓
Bakery			✓
Other Food Processing			✓
Benefits	Enhances food product safety and plant sanitation with a solid stainless steel freezing surface and 13 key stainless steel parts.	Adds more stainless components to increase product life and reliability, particularly suited for seafood applications and marine environments.	Stainless steel components are incorporated throughout the water path, drive assembly, evaporator assembly and ice harvesting assembly to provide the ultimate option for durability, food safety and sanitation.

Stainless Steel Flake Ice Maker Specifications

Model	Capacity*	Height**	Width	Length	Model	Capacity*	Height**	Width	Length
5	3.0 T 2.7 MT	45 in 1143 mm	25 in 635 mm	35 in 889 mm	40	19.7 T 17.9 MT	75 in 1905 mm	56 in 1422 mm	83 in 2108 mm
10	4.7 T 4.3 MT	46 in 1168 mm	32 in 813 mm	48 in 1219 mm	60	29.8 T 27.0 MT	81 in 2057 mm	76 in 1930 mm	107 in 2718 mm
20	11.4 T 10.3 MT	51 in 1295 mm	56 in 1422 mm	83 in 2108 mm	90	41.0 T 37.2 MT	105 in 2667 mm	76 in 1930 mm	109 in 2769 mm

* Approximate capacity in US tons (T) and metric tons (MT) of ice per 24 hours based on -25°F (-32°C) evaporator and 60° F (16° C) water supply temperatures. For other requirements and conditions consult North Star. Specifications subject to change without notice.

** Overall height requirements vary upon installation. Contact North Star for more information.

Note: All ice makers are designed to operate as part of a complete refrigeration system that includes refrigerant, condenser, compressor, and piping to be supplied by others.

North Star Stainless Steel Components

	Standard Stainless Steel	Stainless Steel Plus	Elite Stainless Steel
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Standard Stainless Steel Components

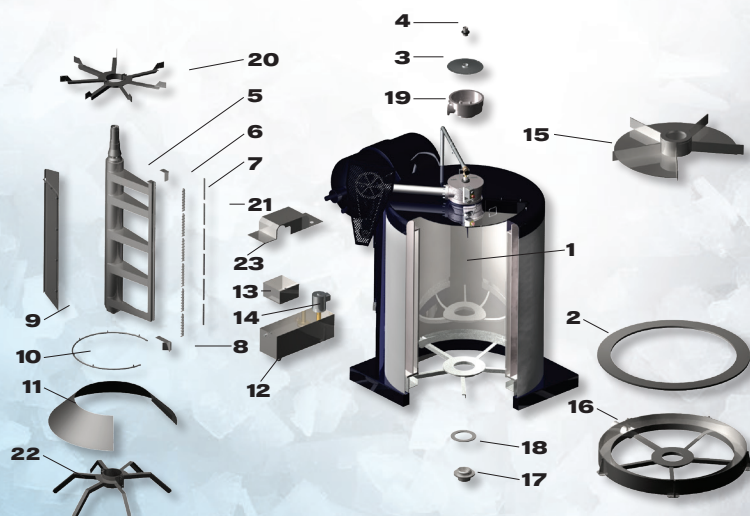
1. Solid Evaporator Freezing Surface	■	■	■
2. Evaporator Bottom Closure Plate	■	■	■
3. Top Gear Housing Cover	■	■	■
4. Water Inlet Splash Tube	■	■	■
5. Rotor with Stainless Steel Top Stem	■	■	
Solid Stainless Steel Rotor			■
6. Top Ice Plow	■	■	■
7. Ice Removal Tools	■	■	■
8. Bottom Ice Plow	■	■	■
9. Vertical Ice Deflector	■	■	■
10. Drip Shield Spray Tube	■	■	■
11. Drip Shield	■	■	■
12. Water Tank	■	■	■
13. Salt Tank	■	■	■
14. Water Pump Motor, washdown	■		
Water Pump Motor, stainless steel TENV		■	■

Stainless Steel Plus Components

15. Evaporator Top Closure Assembly		■	■
16. Water Receiving Pan & Support Arms		■	■

Elite Stainless Steel Components

17. Bottom Bearing Housing			■
18. Bottom Bearing Housing Attachment Ring			■
19. Top Center Gear Housing			■
20. Water Ring Support Arms			■
21. Ice Removal Tool Locking Bars			■
22. Drip Shield Support Arms			■
23. Water Tank Cover			■



North Star

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