



Recom

ICE SYSTEMS

Catalog

Flake Ice Machines

Preface

Recom Ice Systems is a manufacturer, supplier and provider of high quality industrial ice equipment to a wide variety of industries throughout the world. As a European organization we are able to provide equipment that is designed and tested to European standards. Recom's offering is unique in that we are able to provide turn-key solutions for ice production, ice storage, ice delivery, ice weighing, ice dosing and ordering. This means we can be your partner for complete ice plants, providing you with not only the ice machine, but also other logistical ice solutions.

Recom's product range consists of machines with a production capacity ranging from half a metric ton up to sixty metric tons per day. This wide range is one of the reasons we have a long history of serving both small and large client organizations with their ice requirements.

We look forward to doing business with you.

Stef Bouhuijs
CEO Recom Ice Systems





Flake ice

Flake ice is probably the most familiar type of ice in the industry.

Flake ice are flat, thin pieces of ice (1,8 – 2,2 mm). They are formed on the inner surface of an ice drum by pouring a film of water over it. Upon touching the drum, the water freezes into a sheet of ice. This ice is sub-cooled in order to make it brittle, and then cracked off by a stainless steel twisted ice knife, resulting in the ice falling into the additional ice storage. Due to its sub cooling, thin shape and large surface area, flake ice has an excellent cooling capacity, provides great coverage of the product and serves as a cushion that protects the product from any damage. Flake ice remains dry when sub-cooled, and is easy to store in small or large quantities.

Common applications for flake ice are the fish, poultry, agriculture, bakery, concrete-cooling, chemical and artificial snowmaking industries.

Commercial flake ice machines

Recom F-series

Our commercial flake ice machines are designed from simplicity. The machines are developed to be dependable, durable and reliable. All of our commercial flake ice machines are tested before delivery.

- -6°C / -7°C ice temperature
- Vertical static ice drum, reducing leakage and wear
- Suitable for fresh or salt (sea) water ice production
- Stainless steel base frame, ice knife and construction
- Chrome plated carbon steel inner ice drum, stainless steel outside
- Including gear motor, water- and salt mix pump and control box with PLC
- Water- or air cooled condenser
- Hermetic piston or scroll compressor
- Pretested in our factory
- Refrigerant: R449/R448/R507/R452a





Model	Production capacity	Refrigerating capacity	Evaporating temperature	Power consumption	Approx. ship weight	Approx. dimensions (L x W x H)
F5AS-5	0.5T/24h	3.8 kW	- 22 °C	1.8 kW	250 kg	800 x 735 x 630 mm
F5AT-5	0.5T/24h	4.2 kW	- 22 °C	1.9 kW	280 kg	900 x 735 x 630 mm
F10AS-5	1T/24h	5.5 kW	- 22 °C	3.0 kW	320 kg	1100 x 735 x 825 mm
F10AT-5	1T/24h	6.1 kW	- 22 °C	3.5 kW	350 kg	1300 x 1100 x 1000 mm
F12AS-5	1.2T/24h	6.6 kW	- 22 °C	4.0 kW	360 kg	1200 x 935 x 825 mm
F12AT-5	1.2T/24h	7.3 kW	- 22 °C	4.5 kW	390 kg	1490 x 1250 x 1080 mm
F16AS-5	1.6T/24h	8.8 kW	- 22 °C	5.0 kW	470 kg	1490 x 1180 x 935 mm
F16AT-5	1.6T/24h	9.7 kW	- 22 °C	5.5 kW	500 kg	900 x 1250 x 1080 mm
F20AS-5	2T/24h	11 kW	- 22 °C	6.0 kW	550 kg	1490 x 1180 x 1009 mm
F20AT-5	2T/24h	12.1 kW	- 22 °C	6.5 kW	600 kg	1500 x 1200 x 1050 mm
F25AS-5	2.5T/24h	13.7 kW	- 22 °C	7.5 kW	650 kg	1490 x 1180 x 1069 mm
F25AT-5	2.5T/24h	15.1 kW	- 22 °C	8.1 kW	690 kg	1750 x 1450 x 1054 mm

Small ice storage

Recom IS-series

In order to supply complete customer solutions, Recom offers three standard small storage models. In addition we are able design custom solutions on request. All our storages are constructed from insulated stainless steel panels in order to meet the highest food safety requirements.

- Stainless Steel food safe construction
- Integrated with ice machine
- Suitable for autonomous operation
- Automatic bin full detection
- Optional with cart/food safe trolleys
- Capacity maximization





Model	Storage capacity	Ice cart	Suggested ice machine	Approx. ship weight	Approx. dimensions (L x W x H)
IS-1	552 kg	0	F5AS-5 / F10AS-5	150 kg	1320 x 1050 x 1110 mm
IS-2	590 kg	2	F16AS-5 / F20AS-5	220 kg	1520 x 1200 x 900 mm
IS-3	1300 kg	0	F25AS-5	360 kg	1696 x 1520 x 1700 mm

Industrial flake ice machines

Recom F-series

Just like our Commercial flake ice machines, our Industrial flake ice machines are designed from simplicity. The Recom commercial flake ice machines are equipped with semi-hermetic piston or screw compressors and have a significantly larger capacity.

- -6°C / -7°C ice temperature
- Vertical static ice drum, reducing leakage and wear
- Suitable for fresh or salt (sea) water ice production
- Stainless steel base frame, ice knife and construction
- Chrome plated carbon steel inner ice drum, stainless steel outside
- Including gear motor, water- and salt mix pump, and control box with PLC
- Air cooled condenser or water cooled with cooling tower or evaporative condenser
- Semi hermetic piston or screw compressor
- Pretested in our factory
- Refrigerant: R449/R448/R507/R452a/NH3





Model	Production capacity	Refrigerating capacity	Evaporating temperature	Power consumption	Approx. ship weight	Approx. dimensions (L x W x H)
F30AS-5	3T/24h	16.5 kW	- 22 °C	9 kW	900 kg	1800 x 1450 x 1250 mm
F30AT-5	3T/24h	16.5 kW	- 22 °C	11 kW	1100 kg	2300 x 1600 x 1250 mm
F40AS-5	4T/24h	22 kW	- 22 °C	13 kW	1250 kg	2100 x 1550 x 1300 mm
F40AT-5	4T/24h	22 kW	- 22 °C	14.5 kW	1350 kg	2200 x 1650 x 1300 mm
F50AS-5	5T/24h	27.5 kW	- 22 °C	17 kW	1800 kg	2350 x 1675 x 1471 mm
F50AT-5	5T/24h	27.5 kW	- 22 °C	18 kW	1900 kg	2550 x 1775 x 1470 mm
F60AS-5	6T/24h	33 kW	- 22 °C	23 kW	2000 kg	2550 x 1775 x 1470 mm
F60AT-5	6T/24h	33 kW	- 22 °C	23 kW	2050 kg	2550 x 1875 x 1470 mm
F80AS-5	8T/24h	44 kW	- 22 °C	29 kW	1800 kg	2350 x 1675 x 1550 mm
F80AT-5	8T/24h	44 kW	- 22 °C	31 kW	2000 kg	2550 x 1975 x 1550 mm
F100AS-5	10T/24h	55 kW	- 22 °C	38 kW	2400 kg	3460 x 2050 x 2005 mm
F100AT-5	10T/24h	55 kW	- 22 °C	40 kW	2600 kg	3460 x 2350 x 2005 mm
F150AS-5	15T/24h	82.5 kW	- 22 °C	54 kW	3000 kg	4000 x 2200 x 2280 mm
F150AT-5	15T/24h	82.5 kW	- 23 °C	57 kW	3200 kg	4000 x 2400 x 2280 mm
F200AS-5	20T/24h	110 kW	- 23 °C	88 kW	3500 kg	3500 x 2200 x 2925 mm
F200AT-5	20T/24h	110 kW	- 23 °C	94 kW	3800 kg	3600 x 2300 x 2625 mm
F250AS-5	25T/24h	137 kW	- 23 °C	120 kW	5000 kg	4200 x 2200 x 3000 mm
F250AT-5	25T/24h	137 kW	- 23 °C	118 kW	5200 kg	4400 x 2300 x 3000 mm

Flake ice drums

Recom FD-series

When a refrigeration installation is readily available, the most efficient ice making solution is to simply connect an ice drum to the existing installation. For this purpose, Recom supplies its FD drum only line.

- -6°C / -7°C ice temperature
- Vertical static ice drum, reducing leakage and wear
- Suitable for fresh or salt (sea) water ice production
- Stainless steel base frame, ice knife and construction
- Chrome plated carbon steel inner ice drum, stainless steel outside
- Including heavy duty gear motor, water- and salt mix pump
- Easily integrated into (central) refrigeration plants
- Ice production and refrigeration equipment can be located separately
- Refrigerant: R449/R448/R507/R452a/NH3/CO2





Model	Production Capacity	Refrigerating Capacity	Evaporating temperature	Power consumption	Approx. Ship weight	Approx. Dimensions (Ø x H)
FD5	0.5T/24h	2.75 kW	- 22 °C	0.194 kW	96 kg	478 x 599 mm
FD10	1T/24h	5.5 kW	- 22 °C	0.194 kW	108 kg	478 x 785 mm
FD16	1.6T/24h	8.8 kW	- 22 °C	0.395 kW	208 kg	648 x 894 mm
FD20	2T/24h	11 kW	- 22 °C	0.395 kW	220 kg	648 x 969 mm
FD25	2.5T/24h	13.75 kW	- 22 °C	0.395 kW	230 kg	648 x 1029 mm
FD30	3T/24h	16.5 kW	- 22 °C	0.395 kW	235 kg	648 x 1059 mm
FD40	4T/24h	22 kW	- 22 °C	0.395 kW	240 kg	648 x 1084 mm
FD50	5T/24h	27.5 kW	- 22 °C	0.495 kW	500 kg	920 x 1300 mm
FD60	6T/24h	33 kW	- 22 °C	0.495 kW	550 kg	920 x 1331 mm
FD80	8T/24h	44 kW	- 22 °C	0.8 kW	830 kg	1160 x 1586 mm
FD100	10T/24h	55 kW	- 22 °C	1.0 kW	980 kg	1160 x 1846 mm
FD150	15T/24h	82.5 kW	- 22 °C	1.15 kW	1690 kg	1462 x 2080 mm
FD200	20T/24h	110 kW	- 22 °C	1.5 kW	2634 kg	1600 x 2744 mm
FD250	25T/24h	137.5 kW	- 23 °C	1.85 kW	3588 kg	1990 x 2890 mm
FD300	30T/24h	165 kW	- 25 °C	1.85 kW	3980 kg	1990 x 3030 mm
FD400	40T/24h	220 kW	- 25 °C	2.25 kW	5400 kg	2237 x 3371 mm

Vessel flake ice machines

Recom VF-series

For use on sea going vessels, Recom developed the VF series. The VF ice machines are designed for rough weather and compact spaces. By using specially designed closed water system, there is no water leakage and the machine can produce ice in angles of up to 45°.

- Compact design
- Vertical static ice drum with special internal finishing
- Suitable for fresh or sea water ice production
- Stainless Steel SUS 316L base, drum and knife
- Including gear motor, water & salt mix pump, and ice knife
- Seawater cooled condenser
- Semi hermetic piston compressors
- Pretested in our factory
- Refrigerant: R449/R507/R452a





Model	Production capacity	Refrigerating capacity	Evaporating temperature	Power consumption	Approx. ship weight	Approx. dimensions (L x W x H)
VF10	1T/24h	5.8 kW	- 28 °C	4.32 kW	800 kg	1400 x 1050 x 1140 mm
VF20	2T/24h	12.63 kW	- 28 °C	8.4 kW	1000 kg	1480 x 1150 x 1370 mm
VF30	3T/24h	18.1 kW	- 28 °C	10 kW	1200 kg	1500 x 1250 x 1440 mm
VF50	5T/24h	27.5 kW	- 28 °C	17 kW	1600 kg	1915 x 1320 x 1855 mm
VF75	7.5T/24h	36 kW	- 28 °C	25 kW	1900 kg	1915 x 1350 x 2005 mm

Product overview

F-series

● F5AS-5 / F5AT-5 / FWT-5	(0.5 T/day)
● F10AS-5 / F10AT-5 / F10WT-5	(1 T/day)
● F12AS-5 / F12AT-5 / F12WT-5	(1.2 T/day)
● F16AS-5 / F16AT-5 / F16WT-5	(1.6 T/day)
● F20AS-5 / F20AT-5 / F20WT-5	(2 T/day)
● F25AS-5 / F25AT-5 / F25WT-5	(2.5 T/day)
● F30AS-5 / F30AT-5 / F30WT-5	(3 T/day)
● F40AS-5 / F40AT-5 / F40WT-5	(4 T/day)
● F50AS-5 / F50AT-5 / F50WT-5	(5 T/day)
● F60AS-5 / F60AT-5 / F60WT-5	(6 T/day)
● F80AS-5 / F80AT-5 / F80WT-5	(8 T/day)
● F100AS-5 / F100AT-5 / F100WT-5	(10 T/day)
● F150AS-5 / F150AT-5 / F150WT-5	(15 T/day)
● F200AS-5 / F200AT-5 / F200WT-5	(20 T/day)
● F250AS-5 / F250AT-5 / F250 WT-5	(25 T/day)

IS-series

● IS-1	(552 Kg)
● IS-2	(590 Kg)
● IS-3	(1300 Kg)

FD-series

● FD5	(0.5 T/day)
● FD10	(1 T/day)
● FD16	(1.6 T/day)
● FD20	(2 T/day)
● FD25	(2.5 T/day)
● FD30	(3 T/day)
● FD40	(4 T/day)
● FD50	(5 T/day)
● FD60	(6 T/day)
● FD80	(8 T/day)
● FD100	(10 T/day)
● FD150	(15 T/day)
● FD200	(20 T/day)
● FD250	(25 T/day)
● FD300	(30 T/day)
● FD400	(40 T/day)

VF-series

● VF10	(1 T/day)
● VF20	(2 T/day)
● VF30	(3 T/day)
● VF50	(5 T/day)
● VF75	(7,5 T/day)



More information

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