



**Flake ice by *GENEGLACE***



Wherever you are, we have the solution.

[www.geneglance.com](http://www.geneglance.com)

## Total reliability worldwide

Ice making machines are a means to an end and they must always be totally reliable. From the moment fish leave the sea they must have ice. Before thinking of even putting on their boots skiers must have snow. That's why GENEGLACE ice makers are built for the highest standards and to be totally reliable. The cylinder for example, is a coded pressure vessel manufactured under independent survey and tested at 26 bars.

Worldwide there are GENEGLACE ice making machine working round the clock in every kind of weather condition.

## Minimal maintenance

At the heart of the GENEGLACE flake ice machines is a stationary evaporator from which the ice is harvested by a unique helical reamer that does not need sharpening. So, there are no sealed bearings and wear and tear on parts is minimal.

## Happy to be judged on performance

The performance of GENEGLACE ice makers is second to none. A performance computer selection program is available which enables you to assess the actual capacity which you can expect from your ice maker under your specific operating conditions. For example, the program will show the impact on the ice production if you pre-cool the water, lower the evaporating temperature or select another refrigerant. In fact, GENEGLACE is the only manufacturer of ice flakers providing capacity curves for low temperature refrigerants such as R 504 A, R 507, R 717, R 22. The corrosion proof evaporating surface, made of a chromium impregnated steel with high thermal conductivity, produces more ice per ton of refrigeration than any stainless steel ice maker.

## High quality ice

GENEGLACE ice has a large surface area and is sub-cooled to -5°C. Consequently it has a high heat absorption and cools your product rapidly.

# OPERATING PRINCIPLE

### Operating principle

Ice is made inside a stationary and insulated cylinder (1). It is harvested by means of a helical reamer.

### Water circuit

A pump (2) carries the water from the base (3) to the upper water tray (4). Water is running continuously on the cold surface (5) where it is frozen.

### Refrigerant circuit

The refrigerant evaporates inside the double wall (6) and freezes the water.

### Ice harvesting

A helical reamer (7) driven by a motor (8) is sweeping the surface while rotating (orbital movement). It causes the ice to crack and break off. In the area where the ice is harvested (9), the water does not flow, ensuring that ice produced is completely moisture free.



# GENEGLACE ICE GENERATORS

For use with existing or remote refrigeration plants on R 404 A, R 507, R 717, R 22\*

MODEL NUMBER	NOMINAL PRODUCTION <i>Metric Tonnes/24 h**</i>	OVERALL DIMENSIONS <i>L x W x h (cm)</i>	WATER SUPPLY
F 15	0.3 - 0.5	52 x 40 x 60	Fresh water
F 30	0.6 - 1.0	65 x 50 x 70	Fresh water
F 90	1.6 - 3.5	91 x 75 x 125	Fresh water
F 200	4.5 - 6.5	123 x 97 x 175	Fresh water
F 250	7 - 10	130 x 100 x 205	Fresh water
F 600	10 - 14	156 x 120 x 205	Fresh water
F 800	14 - 20	155 x 155 x 310	Fresh water
F 900	20 - 30	195 x 195 x 310	Fresh water
F 2000	30 - 50	244 x 244 x 310	Fresh water
MARINE APPLICATIONS			
F 30 M	1.0	75 x 50 x 120	Fresh water
F 100 M	2.5	90 x 70 x 160	Fresh water
F 100 SW	2.7	90 x 70 x 160	Sea water

\* Consult factory for use with other refrigerants.

\*\* Nominal production : metric tons of flake ice per 24 hours with R 404 A depending on operating conditions.  
For your application, consult the Genelog software.

## SELF-CONTAINED UNITS

MODEL	NOMINAL PRODUCTION* (in 24 h)
<b>COMMERCIAL RANGE</b>	
PACK 11	350 kg
PACK 12	450 kg
PACK 13	650 kg
PACK 14	950 kg
<b>SEMI-INDUSTRIAL RANGE</b>	
PACK 20	1 600 kg
PACK 21	2 000 kg
PACK 22	2 500 kg
PACK 23	3 000 kg
PACK 30	3 500 kg
<b>INDUSTRIAL RANGE</b>	
PACK 31	5 000 kg
PACK 32	6 300 kg
PACK 33	7 500 kg
PACK 34	9 000 kg
PACK 35	10 000 kg
PACK 36	12 000 kg
PACK 37	15 000 kg
PACK 38	18 000 kg
PACK 39	24 000 kg
PACK 40	26 000 kg

\* Air 25° C - Water 15° C



### Ice Packs

Twenty self-contained units. Consisting of a GENEGLACE ice generator, condensing unit, and control panel assembled as an integrated unit. These are "plug-in and go" units ready for continuous production of flake ice.



### On-board models

Designed for marine applications and work with fresh or sea water.

MODEL	PRODUCTION (in 24 h)
<b>ON BOARD UNITS</b>	
F 30 M	1 000 kg
F 100 M	2 500 kg
F 100-2 M	5 100 kg
F 100 SW	2 700 kg
F 100-2 SW	5 500 kg

M = fresh water - SW sea water.

## COMPLEMENTARY PRODUCTS



### Pneumatic ice conveyors

Made to blow and convey flake ice over long distances.



### Combis

Come with an Ice-Pack and an elegant ice bin styled by a French designer



### Orbital silos

Storage bins with automated ice delivery. The first ice produced is the first ice delivered (FI-FO mode).



### Compactors

Transform flake ice into block ice.



***Local service  
wherever you are***

With an international network covering the 5 continents, our customers benefit from a high quality service. Besides, the GENEGLACE machines comply with most of the international regulations.

***Manufactured in France :***

GENEGLACE s.a.s.  
ZAC de la Forêt  
9 rue des Orfèvres  
44840 Les Sorinières  
Tel. + 33 251 19 10 51  
Fax + 33 240 05 73 81  
E.mail : [contact@geneglance.fr](mailto:contact@geneglance.fr)  
[www.geneglance.com](http://www.geneglance.com)

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SIREN 444 160 873 RCS Nantes  
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