
# Flake ice by Geneglace

FLAKE-ICE
GENEGLACE®
TECHNOLOGY

*Wherever you are, we have the solution.*

**www.geneglace.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 375 PSI.

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

## *Minimal maintenance*

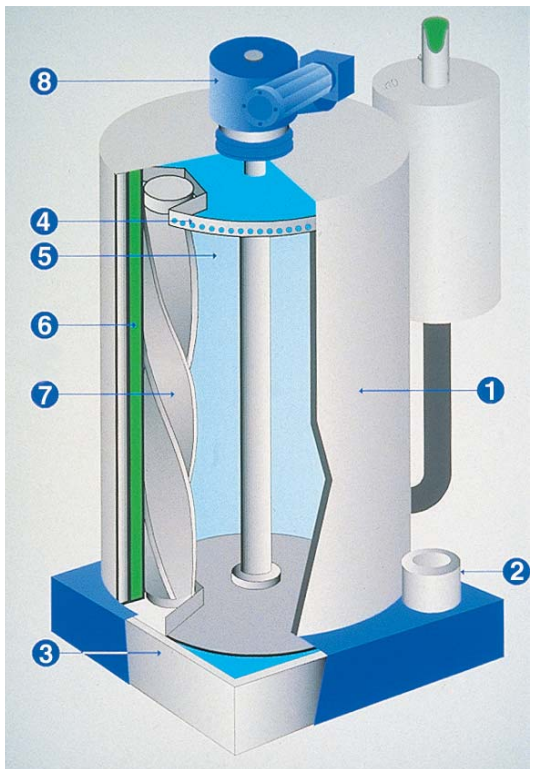
At the heart of the Geneglace flake ice machine is a stationary evaporator from which the ice is harvested by a unique helical reamer that does not need sharpening. So, there are no sealed bearings and wear and tear on parts is minimal.

## *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 all modern refrigerants from R 22 and R 717 to R 404 A. 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 22°F. Consequently it has a high heat absorption and cools your product rapidly.




***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, 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 717, R 404 A, R 507, R 22*

| MODEL NUMBER | NOMINAL PRODUCTION** | OVERALL DIMENSIONS L x W x h | WATER SUPPLY |
|---|---|---|---|
| **F 15** | 0.5 tons | 21" x 15" x 24" | Fresh water |
| **F 30** | 1 ton | 25" x 20" x 27" | Fresh water |
| **F 90 H** | 3.5 tons | 36" x 28" x 49" | Fresh water |
| **F 90 V** | 4 tons | 36" x 28" x 63" | Fresh water |
| **F 200** | 7 tons | 47" x 38" x 68" | Fresh water |
| **F 250** | 11 tons | 49" x 40" x 81" | Fresh water |
| **F 600** | 15 tons | 60" x 50" x 81" | Fresh water |
| **F 800** | 22 tons | 61" x 61" x 121" | Fresh water |
| **F 900** | 33 tons | 77" x 77" x 121" | Fresh water |
| **MARINE APPLICATIONS** | | | |
| **F 30 M** | 1 ton | 28" x 20" x 46" | Fresh water |
| **F 100 M** | 3 tons | 36" x 20" x 63" | Fresh water |
| **F 100 SW** | 3.5 tons | 36" x 20" x 63" | Sea water |

** Consult factory for use with other refrigerants*
*** Nominal production : Tons of flake ice per 24-hours from water supplied at 60°F, with R717. For other applications, consult the Genelog performance software.*

## *Complementary products*

Geneglace ice makers have the broadest range available worldwide and meet requirements of the widest range of applications.
Complementary products for the storage and handling of flake ice enable Geneglace to offer comprehensive solutions tailored to each individual need : **the Geneglace ice systems.**
Each system is made-up of several Geneglace products for the production, storage and handling of flake ice.

### *Ice packs*

Twenty self-contained units. Consisting of a Geneglace ice generator, refrigeration plant, and control panel assembled as an integrated unit. Effectively these are « plug-in and go » units ready for continuous production of flake-ice 24 hours a day after connection to water and power supplies.

### *On-board models*

The « on-boards » are designed for marine applications. Five models are available, in fresh or sea water versions, with production rate up to 6 tons per day.

### *Orbital silos*

Eight ice storage bins with automated ice delivery. The ice is hygienically stored and its extraction is wholly automated and controlled via ON and OFF switches. The first ice produced is the first ice delivered (FI-FO mode). Thus the turnover is even and the quality of ice dispensed for food applications is constant.

### *Geneglace combis*

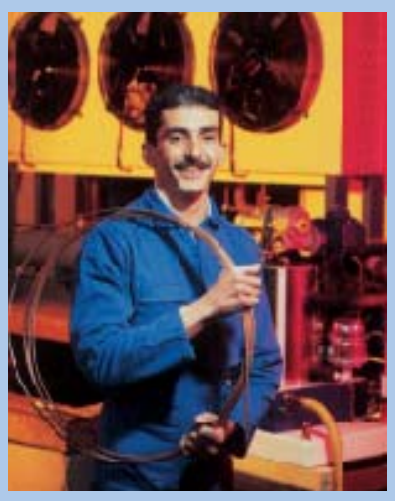
Elegant bins styled by French designer Patrice Sarrazin for optimal storage and easy ice access function.

### *Pneumatic ice conveyors*

Ice transport systems to blow and convey flake-ice over long distances.

### *Compactors*

Combined with an ice maker, this block ice press transforms the flakes into blocks.



### *Local service wherever you are*

With an international network in more than 50 countries, our customers benefit from a high quality service.
In North America Geneglace products are distributed by the reputable industrial refrigeration firm Fes Systems Inc. who maintain products and spares ready for prompt delivery.


### *Fes Systems Inc.*

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