

HY-GEN Flake Ice Machines daily output 85 / 170 kg



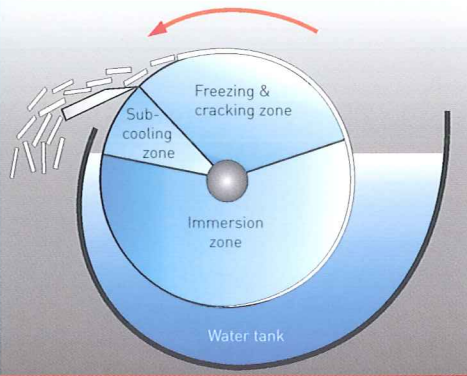
MAJA FLAKE ICE



Flake ice machines SAH 85 L / SAH 170 L
with mobile MAJA ice storage system EV 50

MAJA®

A deep-frozen metal cylinder, rotating in a water reservoir, guarantees constant ice quality. With each rotation, water freezes on the evaporation drum and then flakes off, leaving the machine as dry-frozen ice. This system of ice production was developed by MAJA and has proven its reliability for more than five decades. It is efficient, cost-saving and does not require special maintenance.



Flake Ice Technology by MAJA:

Simple, but ingenious - since 50 years!



MAJA Flake Ice offers a lot of advantages:

Efficient refrigeration - ice temperature approx. -7°C

For quick product cooling and long freshness

Dry-frozen flake ice

Attractive appearance, easy storage, virtually no water from melting, easy handling

Light weight (density 0,42 kg / dm³)

Up to 30 % lighter than other types of ice, thus less ice requirements for display filling, and reduced costs for transportation

Thin ice flakes (1 - 2 mm)

Very good product covering. Little mechanical resistance, thus good mixing behaviour and no damage to the product and tools, such as mincer blades, dough hooks...

Reduced production costs

High efficiency: 100 % of water becomes ice, thus no waste of water.

High reliability - low maintenance

Reduced operating and maintenance costs. No additional efforts for water treatment, such as softening, filtration...

Thanks to the mobile ice storage system EV 50, MAJA Flake Ice Machines types SAH 85 L and SAH 170 L offer high flexibility and can be used for versatile applications:

- Mincer process for boiled sausage production
- Dough production for baking and pastry products
- Refrigeration of fish and seafood
- Filling of fresh food displays in supermarkets
- Decorative refrigeration of buffets (hotels, restaurants, event catering...)
- Cryotherapy in human and veterinary medicine

The mobile ice storage system MAJA EV 50 considerably facilitates the handling of flake ice. It enables the convenient transport in and out of the facility. Moreover, it is the ideal solution for perfect flake ice storage.



The HY-GEN sanitation principle by MAJA:

Ideal conditions for efficient cleaning.

By hand

HY-GEN Flake Ice Machines from MAJA are designed to allow quick and easy cleaning and the production of flake ice under excellent sanitary conditions.

The core piece is the evaporator tank in plastic material, which can easily be removed for cleaning.



The small flake ice machines types SAH 85 L and SAH 170 L are labelled „HY-GEN Protected“!
That means for these machines:

- Evaporator can be opened without the use of tools for cleaning purposes and is accessible from all sides.
- Easily removable hygiene evaporator tank in plastic material (insulation and no corrosion!)
- Round-shaped, cleaning-friendly evaporator tank; if necessary it is even replaceable
- Evaporator tank free of built-in parts without angles and edges, for easy and efficient cleaning
- No screws in the ice production area for better hygiene
- Automatic residual water outlet when the machine was out of operation for approximately one hour
- Special hygiene advantages in conformity with the current German drinking water regulations issued by the DVGW (German association for water & gaz), for example: water supply with backflow protection, special drinking water hoses for protection from biofilm etc.

.... and also fully automatically:

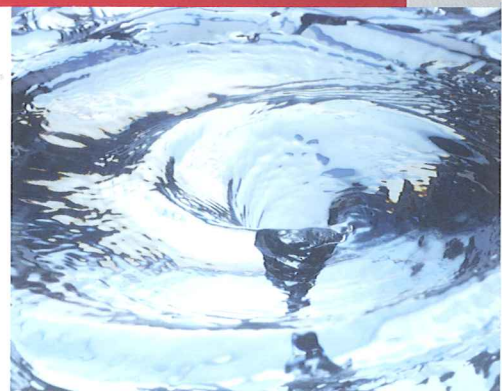
Evaporator self-cleaning system by MAJA!

MAJA-SCS evaporator self-cleaning system:

MAJA Flake Ice Machines can also be cleaned fully automatically. Thanks to the patent-pending evaporator self-cleaning system MAJA-SCS, the ice producing unit can be regularly cleaned without investing additional working time or labour.

The cleaning cycle is started manually by ON/OFF push-buttons or fully automatically by programmable Control Panel Timer (option). A mixture from water and a special cleaning agent flows around all machine parts that contact water, thus cleaning, deliming and reduction of germs in one and the same operation.

Your guarantee for ideal sanitary conditions to produce hygienic flake ice!



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HEAD OFFICE : AUCKLAND Tel : (09) 579 1990
WELLINGTON : Tel : (04) 499 3591 CHRISTCHURCH : Tel : (03) 366 0017
Email : sales@eurotec.co.nz WEBSITE : www.eurotec.co.nz

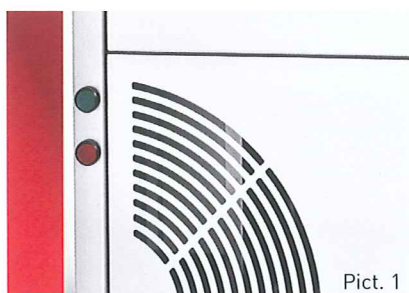
HY-GEN Small 3 / 2012 GB
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HVAC • Refrigeration • Electrical • Measurement

Technical details

Type	Ice output *) kg / 24 h	Water consumption m ³ /24 h	Electr. connection 1AC/50Hz/230V/PE kW	Width mm	Depth mm	Height mm	Weight kg approx.
SAH 85 L	85	0,085	0,58	705	700	1380	155
SAH 170 L	170	0,170	0,99	705	700	1380	175

Refrigerant R404A, others on demand.
Water temperature: +16°C
Ambient temperature: +20°C
*) Higher temperatures may lead to reduced ice output.
Water supply: 3/4" external thread
Drain water: 2 x 3/4" hose clip



Pict. 1



Pict. 2



Pict. 3



Pict. 4

Equipment & features

- Frame and housing in stainless steel
- Condensing unit in air-cooled execution
- Easy operation by ON/OFF pushbuttons (with function and error code indication, start/stop function of optional self-cleaning system)
- Reliable SPS control unit
- Cleaning-friendly machine design according to the HY-GEN principle
- With mobile ice storage system EV 50 for storage and transport of approximately 50 kg of flake ice (pict. 2 + 4):
 - Inner and outer surface in robust polypropylene
 - Foamed PU insulation for ideal storage conditions
 - Cleaning-friendly surfaces
 - Drainage plate to avoid melting water in the ice
 - Easy emptying by water drain with outlet valve
 - Wheeled base in stainless steel for easy mobility
 - Stackable thus space-saving
- Integrated heat exchanger for optimum energy efficiency
- Refrigerant stop valve and refrigerant pump-down when the machine stops

TECHNOLOGY FOR THE FUTURE

Options

- Patent-pending fully automatic self-cleaning system MAJA-SCS for time savings and optimum hygiene safety by automating the cleaning process (standard for SAH 170 L, optional equipment for SAH 85 L)
- Additional ice storage systems EV 50 for more flexibility by alternating use (pict. 4)
- Control Panel Timer with timer function (pict. 3): free programmable production and cleaning cycles
- Cover for EV 50 for hygienic transportation and storage
- External UV-disinfection system in the water supply
- External water pre-heater for water/ambient temperatures between +2°C and +5°C



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