

2019 ENG -Vers. 1.7



APPARECCHI
SCIENTIFICI



Ice Production

IFM series (flake)

 **BLUE**line

Cold storage
equipment

www.kwkw.it - kw@kwkw.it



IFM series

Ice flake production



IFM 70



IFM 85



IFM 50



IFM 120



IFM 200

IFM series ice flake machine (IFM 50)

Entirely made from stainless steel, with receding door for easier access to the ice, and featuring an innovative concept in internal mechanics, namely the reduction unit placed in the upper section of the evaporator. The self-standing, single-body structure is foamed with polyurethane resins. Granular flaked ice is produced in a vertical cylinder and conveyed to the container/reservoir by means of an endless screw. Airtight compressor

and environment-friendly HFC refrigerant. Pilot lights indicate operation and lack of utility water. A safety thermostat stops ice production when the container reaches maximum storage capacity.

Possibility of air or water condensation. In the latter case, hourly production is estimated to be 10% above standard.

IFM 50 series ice flake machines

Model	24h-production	Capacity Kg. reservoir	External measurements (WXDXH)	Power Kw	Power supply	Weight
IFM 50	Kg. 50	10	42x62x76	0,42	V 230/Hz50	Kg. 52

IFM series ice flake machine (IFM 70-85-120-150-200)

Structures entirely made from stainless steel, with receding door for easier access to the ice, and featuring an innovative concept in internal mechanics, namely the reduction unit placed in the upper section of the evaporator. The self-standing, single-body structure is foamed with polyurethane resins. **All models are treated with AgION®, an antibacterial substance added when processing the main plastic components involved in the ice production cycle.**

- **New concept air filter**, in contact with the condenser; owing to its position, air flow inside the technical part of the machine is kept unaltered, and removal for periodical cleaning is facilitated. To avoid progressive reduction of ice production capacity, the air condenser must be kept free from dust accumulation. KW proposes an air filter placed close to the condenser. Simple and efficient, the filter can be easily removed directly from the front panel: when the "clean me" warning light turns on, it will only take a minute to clean it thoroughly under running water.

KW Antibacteria



Green ICE



High yield ice production system. The environment-friendly refrigerant gas is expanded directly inside a sturdy steel cylinder. Airtight compressor and environment-friendly refrigerant. Pilot lights indicate operation and lack of utility water. A safety thermostat stops ice production when the container reaches maximum storage capacity. Possibility of air or water condensation. In the latter case, hourly production is estimated to be 10% above standard. The machines allow the production of both supergranular ice (with low water content), recommended for all industrial applications, and granular ice (with high water content) for use on delicate products.

- **Pressure drainage system (optional item)** for residual water from the ice production cycle and for water resulting from ice flake thawing inside the container. This system allows for matchless installation flexibility and offers a solution for difficult installations when the drain trap is at a distance of up to 15 metres and up to 1.5 metres from floor level, also avoiding wastewater problems.

Front panel with:

- ON/OFF switch (not provided on the IFM 70 model)
- Dirty condenser warning light
- Refrigerant T alarm
- T sensor failure alarm
- Water drainage pump failure alarm

- **Provision for storage container sanitisation system:** an efficient food-grade bactericidal agent, certified for food contact, contained in a small bag (to be replaced monthly) placed on the inner part of the container door, slowly releases sanitising vapours inside the container and on all its contents, ice scoop included. This system is proposed by KW as a simple and efficient way to maintain the highest ice flake usage safety.

IFM production units boast highly advanced technologies and performance, with:

- **Hygienic ice scoop holder:** the best way to prevent contamination of the ice flakes is to avoid bacterial proliferation on surfaces in contact with the ice, and in particular on the scoop. This is why it is important to store it in a clean place. The scoop holder inside the container is sanitised by the new sanitisation system, to scoop out ice quickly and hygienically.

- **Energy Saving System:** this system optimises production cycle efficiency, improving ice quality and reducing operation costs.

IFM 70-85-120-150-200 (ice flake production)

Model	24h-production	Capacity Kg. reservoir	External measurements (WXDXH)	Power Kw	Power supply	Weight
IFM 70	Kg. 70	25	53x62x93	0,33	V 230/Hz50	Kg. 55
IFM 85	Kg. 85	32	59x62x113	0,40	V 230/Hz50	Kg. 70
IFM 120	Kg. 120	40	95x60x91	n.d.	V 230/Hz50	Kg. 80
IFM 150	Kg. 150	55	95x60x112	n.d.	V 230/Hz50	Kg. 100
IFM 200	Kg. 200	55	95x60x112	n.d.	V400/3/Hz50	Kg. 140



2016

Frigoematica (Smart Blood Bank)

2014

New KW image

2013

New Line HPL

2006

Rapid freezer for plasma -85°C

2002

Control **NEW ICE AGE KW CONTROL®**

2001

Medical Project® series

1990

Biological Bank -85°C®

1985

KW **Apparecchi Scientifici S.r.l**

In the '70s

First **vertical** freezer -85°

1961

First **horizontal** freezer -85°

1953

KW (kalt/warm) **Officine Meccaniche**



ISO 13485:2012



ISO 9001:2008



ISO 14001:2004

Made in Italy

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