

Flake Ice Machines

Capacities 85 - 450 kg



FLAKE ICE



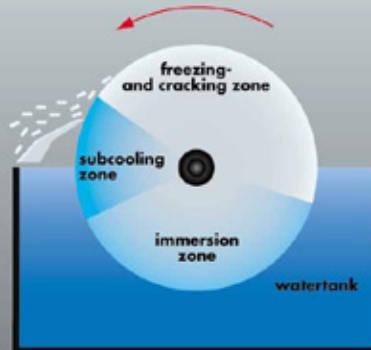
SA 85 S
SA 145 S



SA 215 S
SA 415 S

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 - for more than 50 years!



MAJA flake ice for versatile applications:

- Mincer process for boiled sausage production
- Production of 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
- Health spas & leisure swimming baths
- Artificial snow tracks for sports and leisure

Efficient refrigeration - ice temperature approx. -7°C

- Quick heat dissipation
- Slow melting process - products stay fresh longer

Dry-frozen ice

- Dry surface
- Virtually no water from melting
- Easy storage
- Attractive appearance

Light weight (density 0,42 kg / dm³)

- Up to 30 % lighter than other types of ice
- Easy transport - easy handling

Thin ice flakes (1 - 2 mm)

- Very good product covering
- Big surface, thus good heat exchange
- Little mechanical resistance, thus good mixing behaviour, no damage to the product and to mincer blades

Reduced production costs

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

High reliability - low maintenance

- Reduced operation and maintenance costs
- No issues with water hardness (no water softener necessary)

Flake Ice Machines from MAJA:

- convenient
- economic
- reliable



Capacities up to 450 kg / 24 h

SA

SA 85 S & SA 145 S

- Compact flake ice machines, ready for operation
- For small quantities of flake ice, 85 and 150 kg / 24 h
- Integrated condensing unit
- Ice storage drawer with hygienically formed plastics interior bin with PU-insulation, thus excellent ice storage for a long period
- SPS control unit with ON/OFF Piezo push-button for easy operation (Option: S3 remote control unit with timer)



SA 85 S + SA 145 S

SA 215 S & SA 415 S

- Compact flake ice machines, ready for operation
- For medium quantities of flake ice, 215 and 450 kg / 24 h
- Integrated condensing unit
- Different possibilities of installation, for example on support frame, suitable for standard mincer cart or ice storage cart EVA 75 or on silo EN1, both inclusive of chute and photo-electric barrier.
- Standard SPS remote control unit ON/OFF S1 for easy operation (Option: S3 control unit timer)



SA 215/415 S with
subframe and EVA 75



SA 215/415 S with
silo EN 1

SA

Technical details

Type	Ice capacity kg / 24 h	Water consumption m ³ /24 h	Electrical connection kW 1AC/50Hz/230V	Width mm	Depth mm	Height mm	Silo/cart capacity kg	Control Panel Standard	Weight kg
SA 85 S	85	0,085	0,59	700	700	1350	50	Piezo	183
SA 145 S	150	0,150	0,87	700	700	1350	50	Piezo	188
SA 215 S	215	0,215	1,31	776	581	957	---	S1	133
SA 215 S on silo EN 1	215	0,215	1,31	776	991	1950	185	S1	205
SA 215 S on cart frame	215	0,215	1,31	776	830	1556	cart	S1	160

Type	Ice capacity kg / 24 h	Water consumption m ³ /24 h	Electrical connection kW 3AC/50Hz/400V	Width mm	Depth mm	Height mm	Silo/cart capacity kg	Control Panel Standard	Weight kg
SA 415 S	450	0,45	1,78	776	581	957	---	S1	165
SA 415 S on silo EN 1	450	0,45	1,78	776	991	1950	185	S1	235
SA 415 S on cart frame	450	0,45	1,78	776	830	1556	cart	S1	190

Refrigerant R404A, others on demand

Supply water temperature: +16°C, ambient temperature: +20°C; Higher temperatures may lead to reduced ice output.

Supply water connection: 3/4" external thread, drain water: 3/4" - 1 1/4" hose clip

Accessories & options



ON/OFF Piezo push-button
 (Standard SA 85 S & SA 145 S)



S1: ON/OFF remote control unit
 in plastic housing
 (Standard SA 215 S & SA 415 S)



S3: Remote timer control
 unit in stainless steel
 housing (option)

- **Wide range of control units:** For easy operation, with or without program function
- **Evaporator self-cleaning system (option):**
 For hygiene safety at the push of a button: fully automatic cleaning, delimiting and reduction of germs in one and the same operation of all machine parts that contact water.
- **External UV-disinfection for supply water (option):**
 For being sure that only hygienic fresh water is used for flake ice production.
- **Special voltage** (on demand)
- **Wide range of chute systems:** For individual installation of your flake ice producing system
- **Ice transport and storage systems:**
 Insulated ice transport cart, storage systems, dosing and dispensation modules