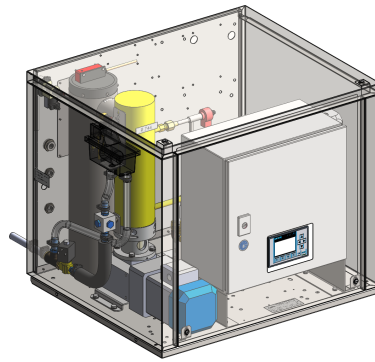




Ice maker with control unit and stainless steel housing for connection to an R744 refrigeration system

Key features

- Capacity: 350 kg/24 h of crushed ice at a water temperature of 15 °C
- Ideal ice temperature of -0.5 °C from drinking water or deionised water, Standard or Microlce
- Designed for continuous operation: 24 hours a day, 7 days a week
- Hygienic design:
Closed water system – protection against contamination from external influences
- Environmentally friendly technology:
Natural refrigerant CO₂ – R744
No rotating parts in the evaporator's refrigeration circuit – no refrigerant leaks
- For connection to the medium-pressure and deep-freeze circuit of a CO₂ compound (direct evaporation)

CoolNat
Cooling made by Nature

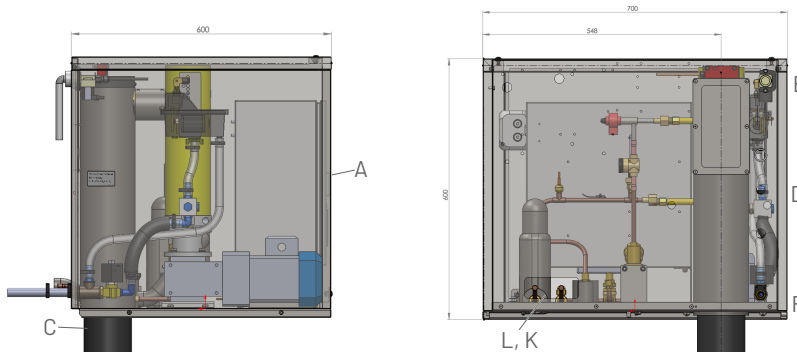


StandardIce (SE)



Microlce (ME)

Dimensions and connections



A Control box
C Ice discharge
D Electrical connection
E Water inlet
F Water outlet
K Liquid line
L Suction line

To be provided by the customer:
Water filter
Shut-off valve
Electrical fuse
Waste water connection (non-contact)

Technical specifications

General

	ZBE 350 EV R744 (230V)
Nominal capacity [kg/24h]	350
Dimensions (L x W x H) [cm]	60 x 70 x 60
Weight [kg]	45
Housing	Stainless steel 1.4301/1.4307
Ambient temperature [°C]	5 - 42

Refrigerants

	ZBE 350 EV R744 (230V)
Refrigerant	R744
Refrigerant quantity [kg]	vorbefüllt mit Schutzgas

Electrical data

	ZBE 350 EV R744 (230V)
Supply voltage	1/N/PE ~ 230V 50 Hz
Full load current [A]	1,4
Power consumption [kW]	0,28
Fuse, slow-blow	6 A
IP protection class	IP 54
Potential-free contact	Start-stop signal
Cable cross-section [mm ²], Cu	1,5
Signal cable: ice maker to refrigeration system	5G1 (request, fault)
Signal cable: refrigeration system to ice maker	3G1.5 (release, fault)

Water connection data

	ZBE 350 EV R744 (230V)
Water temperature [°C]	5 - 20
Water pressure [bar]	1 - 5
Water supply	3/4" male thread
Quality	Drinking water
pH value	7,2 - 9,5 pH
Hardness	6 - 14 °dH 100 - 250 mg CaCO ₃ /l
Water drain	14 mm hose nozzle

Cold data

	ZBE 350 EV R744 (230V)
Cooling capacity [kW]	1,75
Evaporation temperature [°C]	-14
Fluid line connection	3/8 "
Suction gas line connection	3/8 "
Fluid supply (bubble-free)	30 bar - 50 bar (-5 °C - +15 °C)
Sub-cooling	1 - 5 K
Suction pressure (low temperature central refrigeration system)	< 18 bar (< -20 °C), direct evaporation
Permissible operating pressure on high-pressure side [bar]	120
Permissible operating pressure on low-pressure side [bar]	52

Subject to technical changes. Please contact us in the event of any discrepancies.

Contents of the package

The ZIEGRA ice cream machine is delivered CE-compliant and ready for connection to water and electricity.

ZIEGRA Quality and Safety

- All necessary control elements for connection to a refrigeration system
- Complete switch box including potential-free contact for connection to on-site signal cable
- 3-minute run-on time for post-evaporation
- Overcurrent release / thermal protection for all motors
- Water level monitoring

Accessories supplied

- Ice discharge hose or ice discharge chute as required
- Shut-off via reflective light sensor when the trolley or tank is full
- Connection cable
- Water inlet and outlet hoses
- PE ice scoop

Options

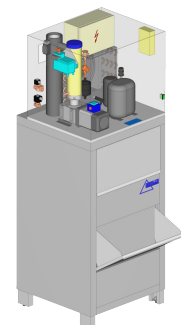
- Ice ejectors in various designs for production
 - into a storage unit
 - into a trolley or similar
- Separate installation, e.g. condenser, refrigeration unit or both remote
- For connection to cooling liquid, e.g. water or glycol
- Ice maker
 - For separate refrigeration unit
 - For refrigeration compound
- Special voltages

Optional accessories

- Tanks in various sizes and designs, also for integration into automated processes, e.g. AS, S for automatic or manual dosing
- HygienePlus: Rinsing function or disinfectant rinse
- Cartridge water filter reduces limescale deposits and bacterial contamination
- UV disinfection
- For very hard water and high flow rates: ZIEGRA water softening
- Base frames, brackets, etc.
- Condensate pump, leak detector and drip tray
- Frost protection
- Additional separate operating switch
- 7-day timer
- Overvoltage and undervoltage protection
- Global sales and service network
- In-house customer service, maintenance contracts



Production in a trolley



ZBE 350 with a B200



Cartridge water filter K40