

- 361 stop valve
- 365 filter refrigerant
- 375 solenoid valve
- 380 gauge-glass
- 410 expansion valve
- 445 regulator evaporation pressure
- 510 freezing unit

- B connection to central refrigeration system

Ice maker with control system and stainless steel cabinet... for connection to a refrigeration system.

Main characteristics

- Capacity: 1000 kg/24 h flake ice chipped type
- Ideal ice temperature of -0,5 °C
Macrolce, StandardIce or Microlce
- Designed for continuous operation -
24 hours - 7 days a week
- Hygienic Design: Closed watersystem -
protected against contamination by external influences
- Environmental friendly technology -
No moving parts in the refrigeration circuit of the evaporator-
no refrigerant leakage
- For connection to a central refrigeration system -
Refrigerant: upon requirement,
also R744 (CO₂) is possible.
(See corresponding specification)



Macrolce

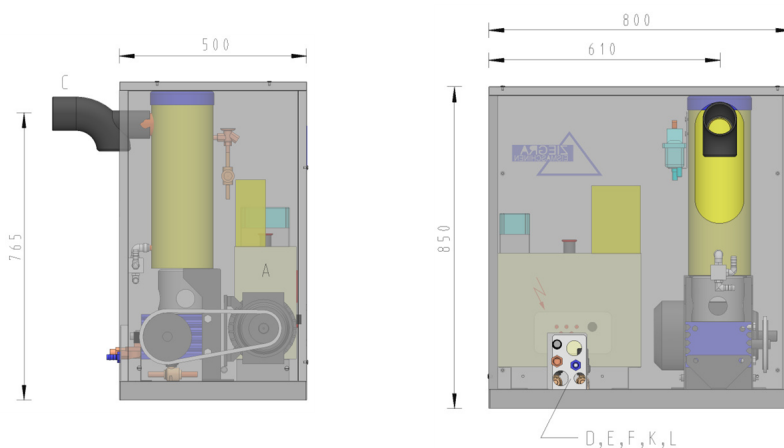


StandardIce



Microlce

Dimensions and connections



- A control panel
- C ice discharge
- D electr. connection
- E water supply
- F water drain
- K liquid pipe
- L suction pipe

provided by customer:
water filter
stop cock
electr. protection
waste water connection
(contactless)

Technical Data

| | |
|--|--|
| | ZBE 1.000 EV 20°C |
| 1000 kg/24 h nominal capacity at | 15 °C water temperature |
| cabinet dimensions (L x W x H) | 50 cm x 80 cm x 85 cm |
| weight | 125 kg |
| cabinet | stainless steel 1.4301 |
| ice discharge | see specification "ice discharges" |
| electricity | |
| power consumption | 0,5 kW |
| current consumption | 1,4 A |
| potential-free contact | start-stop signal |
| provided by customer | |
| electric supply | 3/N/PE ~ 400V 50Hz |
| fuse, slow-blow | 6 A |
| cable cross section, Cu | 1,5 mm ² |
| signal cable | to be agreed |
| water | |
| supply / drain | 3/4 " / 14 mm |
| provided by customer | |
| pressure | 1 - 5 bar |
| quality | drinking water |
| pH-value | 7,2 - 9,5 pH |
| hardness | 6 - 14 °dH |
| temperature | 100 - 250 mg CaCO ₃ /l 5 °C - 30 °C |
| ambient temperature | 5 °C - 45 °C |
| cooling | |
| evaporator | ZBE 1.000 |
| evaporation temperature | -21 °C |
| refrigerating capacity | 4,6 kW |
| connection liquid pipe, Cu | 12 mm |
| connection suction pipe, Cu | 22 mm |
| provided by customer for the ice maker | |
| refrigerant | R452A / R449A / R404A etc. |
| refrigerant temperature | 0 °C - 20 °C liquid temperature at 35 °C |
| evaporation temperature | condensation temperature refrigeration system < -30°C |

Subject to technical modifications. In case of deviations please contact us.

Scope of supply

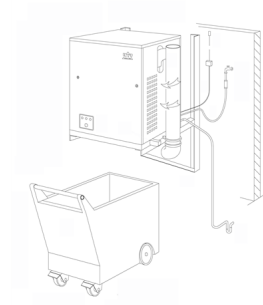
The ZIEGRA ice maker will be ready for connection to a refrigeration system as well as water and electricity and be delivered according to EC- standards.

ZIEGRA quality and reliability

- All necessary control units for connection to a refrigeration system page 1
- Pre-wired switch box including potential-free contact, for connection to signaling cable provided at site
- 3 min. overrun to use the re-evaporation after switch-off
- Phase sequence relay
- Overload cut-out / thermal switch for all motors
- Water level monitoring
- Safety switch-off in case of ice jam
- Ice discharge hose or discharge tube, according to requirements.
- Switch-off by light scanner or light barrier when ice bin or recipient is full.
- Flexible hose water supply 2 m
- Water drain hose 2 m
- PE ice shovel

Options

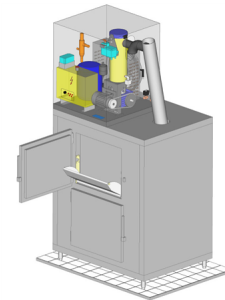
- Ice discharges in various designs, e.g. to produce
 - into a storage bin, or
 - into an ice trolley or similar
- Ice discharge at the narrow side
- Ice maker
 - for separate refrigeration unit
 - for central refrigeration system with R744 (CO2)
- Ice machine with refrigeration unit, as compact machine or split version, available as aircooled or watercooled machine.
- Ice maker with custom-size cabinet, or without cabinet
- Special voltage



Ice production into an ice trolley

Accessories

- Ice storage bins in various sizes and designs e.g. B, ITS, SG, E for manual ice removal
- HygienePlus: water drainage, flushing system, or flushing incl. disinfection
- Cartridge Water Filter reduces lime scale and germs
- UV sterilization
- ZIEGRA water softening: available for very hard water and large flow rates
- ZIEGRA gas leakage stop: protection against refrigerant leakage
- Support, wall brackets, or similar
- Melt water pump, leak water sensor and leak water tray
- Freeze protection
- additional separate operating switch
- timer for 7 days
- Restart delay
- protection against overvoltage and undervoltage
- Spare parts available for minimum for 15 years
- Global sales and service.



Ice machine with ice storage B400



Cartridge water filter 90

Technical details: please see respective machine specification. With pleasure we submit to you any further information, also regarding your special requirements