

- 361 stop valve
- 365 filter refrigerant
- 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....

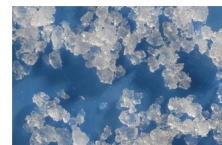
... for connection to a CO2 refrigeration system.

## Main characteristics

- Capacity: 350 kg/24 h flake ice chipped type
- Production of flake ice chipped type with  $-0,5\text{ }^{\circ}\text{C}$  from drinking water or demineralized water - Standard- 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 the subcritical part of a refrigeration system (direct evaporation)

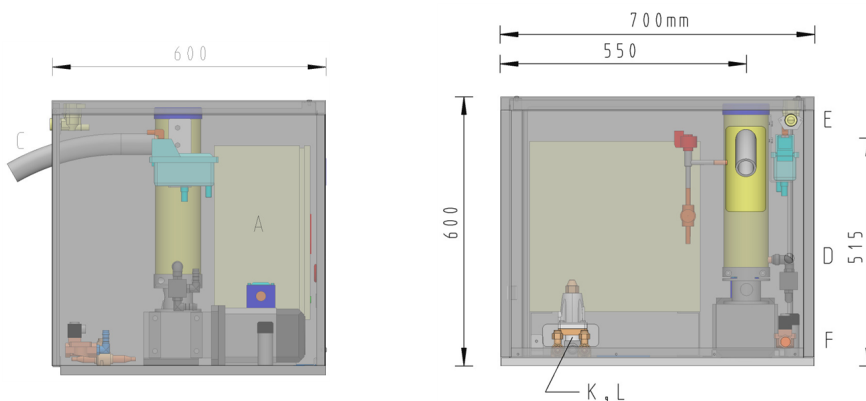


StandardIce



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 350 EV CO2 230V	ZBE 350 EV CO2 400V
350 kg/24 h nominal capacity at	15 °C water temperature	15 °C water temperature
cabinet dimensions (L x W x H)	60 cm x 70 cm x 60 cm	60 cm x 70 cm x 60 cm
weight	45 kg	45 kg
cabinet	stainless steel 1.4301	stainless steel 1.4301
ice discharge	see specification "ice discharges"	see specification "ice discharges"
electricity		
power consumption	0,28 kW	0,28 kW
current consumption	1,4 A	1,4 A
potential-free contact	start-stop signal	start-stop signal
provided by customer		
electric supply	1/N/PE ~ 230V 50 Hz	3/N/PE ~ 400V 50 Hz
fuse, slow-blow	6 A	6 A
cable cross section, Cu	1,5 mm <sup>2</sup>	1,5 mm <sup>2</sup>
signal cable	to be agreed	to be agreed
water		
supply / drain	3/4 " / 14 mm	3/4 " / 14 mm
provided by customer		
pressure	2 - 5 bar	2 - 5 bar
quality	drinking water	drinking water
pH-value	7,2 - 9,5 pH	7,2 - 9,5 pH
hardness	6 - 14 °dH	6 - 14 °dH
temperature	100 - 250 mg CaCO <sub>3</sub> /l 5 °C - 30 °C	100 - 250 mg CaCO <sub>3</sub> /l 5 °C - 30 °C
ambient temperature	5 °C - 45 °C	5 °C - 45 °C
cooling		
evaporator	ZBE 350	ZBE 350
evaporation temperature	-13 °C	-13 °C
refrigerating capacity	1,75 kW	1,75 kW
connection liquid pipe, Cu	10 mm	10 mm
connection suction pipe, Cu	10 mm	10 mm
provided by customer for the ice maker		
refrigerant	R744 (CO <sub>2</sub> )	R744 (CO <sub>2</sub> )
refrigerant temperature	to be agreed	to be agreed
evaporation temperature	refrigeration system: < -30°C, direct evap.	refrigeration system: < -30°C, direct evap.
admissible operating pressure / high press. side	45 bar	45 bar
admissible operating pressure / low press. side	40 bar	40 bar

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

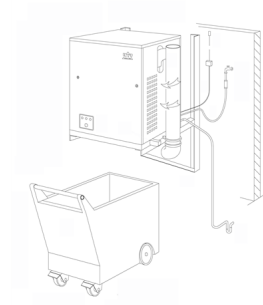
- All necessary control units for connection to a refrigeration system page 1
- Pre-wired switch box including potential-free contact
- 3 min. overrun to use the re-evaporation after switch-off
- Overload cut-out / thermal switch for all motors
- Water level monitoring

### Included accessories

- Ice discharge hose or discharge tube, according to requirements.
- Switch-off by reflexion light scanner
- Flexible hose water supply 2 m
- Water drain hose 2 m
- PE ice shovel

## Options

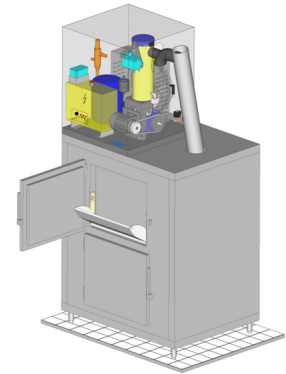
- Ice discharges in various designs, e.g. to produce
  - into a storage bin, or
  - into an ice trolley or similar
- Ice maker
  - for separate refrigeration unit
  - for central refrigeration system with R404A or other refrigerants, please contact us
- Ice machine with refrigeration unit, as compact 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