

- 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

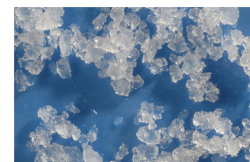
- Capacity: 550 kg/24 h flake ice chipped type
- Ideal ice temperature of -0,5 °C  
Macrolce, StandardIce or Microlce
- Designed for continuous operation -  
24 hours - 7 days a week
- Hygienic Design: Closed watersystem -  
protected against contamination by external influences
- Environmental friendly technology -  
No moving parts in the refrigeration circuit of the  
evaporator-  
no refrigerant leakage
- For connection to the subcritical part of a refrigeration  
system (direct evaporation)



Macrolce

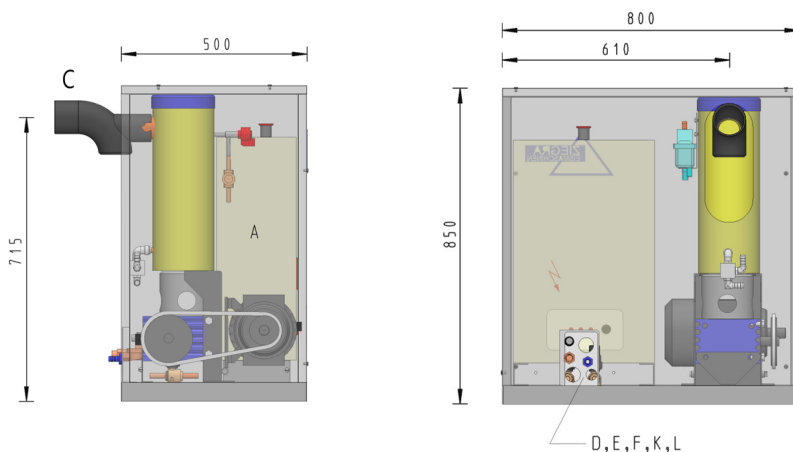


StandardIce



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 550 EV CO2
550 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	132 kg
cabinet	stainless steel 1.4301
ice discharge	see specification "ice discharges"
electricity	
power consumption	0,4 kW
full-load electricity	2 A
degree of protection	IP 54
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 <sup>2</sup>
signal cable	to be agreed
water	
water supply	3/4 " male thread
water drain	14 mm hose nozzle
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 <sub>3</sub> /l 5 °C - 30 °C
ambient temperature	5 °C - 45 °C
cooling	
evaporator	ZBE 550
evaporation temperature	-14 °C
refrigerating capacity	2,54 kW
connection liquid pipe, Cu	10 mm
connection suction pipe, Cu	10 mm
provided by customer for the ice maker	
refrigerant	R744 (CO <sub>2</sub> )
condensation temperature	-8 °C - +10 °C
evaporation temperature	-14 °C
admissible operating pressure / high press. side	45 bar
admissible operating pressure / low press. side	40 bar

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

## Scope of supply

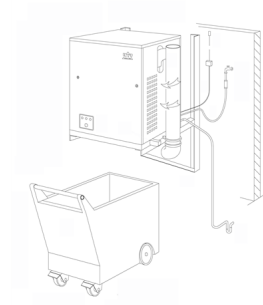
The ZIEGRA ice maker will be ready for connection to a refrigeration system as well as water and electricity and be delivered according to EC- standards.

### 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
- 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

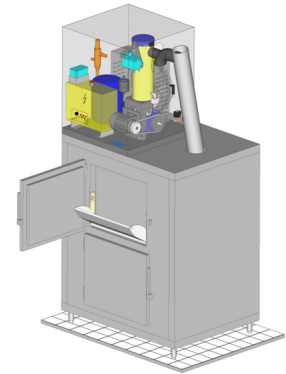
- Ice discharges in various designs, e.g. to produce
  - into a storage bin, or
  - into an ice trolley or similar
- Ice maker
  - for separate refrigeration unit
  - for central refrigeration system with R404A or other refrigerants, please contact us
- Ice machine with refrigeration unit, as compact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