

- 343 check valve
- 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 CO2 refrigeration system.

Main characteristics

- Capacity: 750 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 -
no 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 -
refrigerant: apart from R744 (CO2) also R404A possible,
see corresponding specification



Macrolce

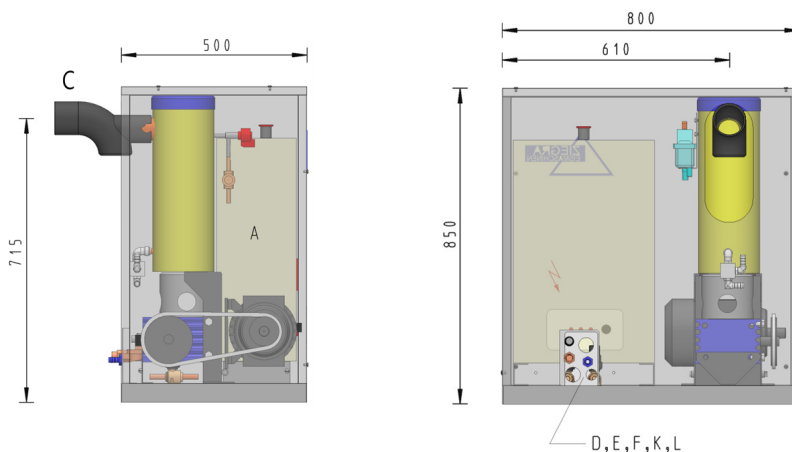


StandardIce



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 750 EV CO2
750 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 outlets"
electricity	
power consumption	0,45 kW
current consumption	1,3 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	
Zu-/Ablauf]	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 750
evaporation temperature	-17 °C
refrigerating capacity	3,8 kW
connection liquid line, Cu	10 mm
connection suction pipe, Cu	10 mm
provided by customer for the ice maker	
refrigerant	R744 (CO ₂)
refrigerant temperature	to be agreed
evaporation temperature	refrigeration system: <-30°C, direct evap.
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

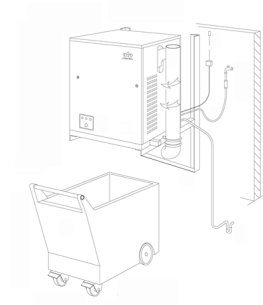
The ZIEGRA ice maker will be ready for connection to a refrigeration system as well as water and electricity and be delivered according to EC- standards.

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 2m
- PE ice shovel

Options

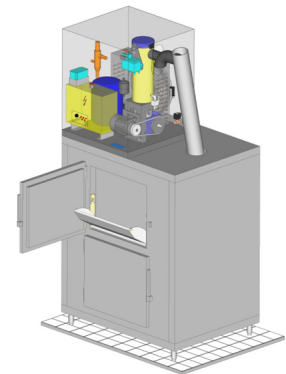
- Ice discharges in various designs, e.g. to produce
 - into a storage bin, or
 - into an ice trolley or similar
- Ice maker with custom-size cabinet, or without cabinet
- Ice maker
 - for separate refrigeration unit
 - for central refrigeration system with R404A
- Ice machine with refrigeration unit, as compact machine or split version, available as aircooled or watercooled machine.
- 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 part sets, 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