



The New Ice

ZIEGRA CoolNat CO₂ Ice Makers.
Naturally cool!

CoolNat
Cooling made by Nature





Ice is a natural substance. What could be better than producing it naturally? **ZIEGRA. The Ultimate.**

The process of **Cooling** should be refreshing, gentle, soothing, caring – whether it is applied to products, processes or people. Our world needs to be handled with care – which is best achieved using natural and environmentally-friendly methods but without compromising performance. Exactly how ice is made when produced by machines from the new ZIEGRA **CoolNat** CO₂ series. See for yourself – **ZIEGRA** – leaders in ice-making technology.

Making Ice is more than just freezing water.

Producing ice for over 50 years leads to experience and knowledge:

We care for the environment. CO₂ as a refrigerant has the lowest impact on global warming. It is non-toxic and non-flammable.

We care for efficiency. CO₂ as a refrigerant is highly efficient, possessing the best heat transfer qualities at lower energy input.

We care for the future. The ZIEGRA **CoolNat** Series is the best long-term choice – as CO₂ is cost-effective and not restricted in supply.

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Everyone is talking about CO₂ – the benefits are obvious. After all, it is part of our atmosphere!

ZIEGRA Performance

Designed for high pressures: ZIEGRA **CoolNat** ice makers are ideally designed for the current high pressures demanded of CO₂ systems. The sealed refrigeration circuit in a ZIEGRA freezing cylinder has no rotating parts, avoiding possible gas seepage caused when rotary seals are used.

Extremely flexible: On the high pressure side of the cooling cycle, ZIEGRA **CoolNat** ice makers are fitted with high quality, pressure-resistant components. This allows operation via both cascade refrigerating systems as well as energy-saving and environmentally-friendly booster systems for 45/60/90/120 bar.

Ready to use: ZIEGRA ice makers are delivered ready for connection. All adjustable controls for the refrigeration cycle are included in the standard specification.

ZIEGRA Quality

Environmentally friendly: The new ZIEGRA **CoolNat** series reflects ZIEGRA's leading position as a key manufacturer of environmentally-friendly ice making equipment. Our extensive range of CO₂ ice makers offers solutions for all applications.

Hygienic: ZIEGRA's characteristic closed water circuit, enhanced by a range of additional options, raise the global standards in hygienic ice production.

Durable: ZIEGRA's emphasis on quality extends beyond workmanship and production. Having been in the market for over 50 years ZIEGRA has built up a global service and support network, with the availability of spare parts being guaranteed for a minimum of 15 years.

ZIEGRA ChipIce

Easy to store: The ice is loose and pliable in most working environments.

Gentle: Solid ice chips without sharp edges are more gentle on contact in direct applications.

Versatile: ZIEGRA chip ice is easy to handle in both manual and automatic processes.

Choice: Microlce, StandardIce or Macrolce sizes ensure the most appropriate kind of ice can be selected for any application.

Performance: Ice develops its full cooling efficiency at the point of melting – at 0°C. ZIEGRA chip ice optimises energy efficiency with a temperature of –0.5°C.

CO₂ Ice Makers – our range

ZIEGRA	CoolNat Ice Maker	Chip Ice Capacity	Dimensions	Weight	Cabinet	Cooling capacity
ZBE	350 EV CO ₂	350 kg/24 h ¹⁾	60 x 70 x 60 cm	45 kg	Stainless Steel	1,8 kW
ZBE	550 EV CO ₂	550 kg/24 h ¹⁾	80 x 50 x 85 cm	132 kg	Stainless Steel	2,5 kW
ZBE	750 EV CO ₂	750 kg/24 h ¹⁾	80 x 50 x 85 cm	132 kg	Stainless Steel	3,8 kW
ZBE	1.000 EV CO ₂	1.000 kg/24 h ¹⁾	80 x 50 x 85 cm	150 kg	Stainless Steel	4,6 kW
ZBE	1.200 EV CO ₂	1.200 kg/24 h ¹⁾	80 x 50 x 85 cm	150 kg	Stainless Steel	5,5 kW
UBE	1.500 EV CO ₂	1.500 kg/24 h ¹⁾	70 x 80 x 140 cm	250 kg	Stainless Steel	6,9 kW
UBE	1.750 EV CO ₂	1.750 kg/24 h ¹⁾	70 x 80 x 140 cm	250 kg	Stainless Steel	8,1 kW
UBE	2.500 EV CO ₂	2.500 kg/24 h ²⁾	70 x 80 x 140 cm	270 kg	Stainless Steel	11,5 kW
UBE	3.500 EV CO ₂	3.500 kg/24 h ²⁾	80 x 130 x 140 cm	550 kg	Stainless Steel	16,1 kW
UBE	5.000 EV CO ₂	5.000 kg/24 h ²⁾	80 x 130 x 140 cm	550 kg	Stainless Steel	23,0 kW
UBE	7.500 EV CO ₂	7.500 kg/24 h ²⁾	80 x 170 x 140 cm	750 kg	Stainless Steel	34,5 kW
UBE	10.000 EV CO ₂	10.000 kg/24 h ²⁾	100 x 220 x 140 cm	1000 kg	Stainless Steel	46,0 kW

¹⁾ At 15° C water temp for models UBE 1.750 and below.

²⁾ At 10° C water temp for models UBE 2.500 and above

Technical specification may change. Special executions are available on request.

General requirements:

Operating pressure

high pressure / low pressure
45 – 120 bar / 40 bar

Water quality / water pressure

Drinking-water / min. 2 bar

Water Connections

≤ 1.200 kg/24 h = $\frac{3}{4}$ " 14 mm

≥ 1.200 kg/24 h = $\frac{1}{2}$ " 14 mm

Options:

- Hygiene options for bacterial control.
- A range of ice discharge options
- Static and mobile ice storage solutions, ice carts and support frames
- A choice of Microlce, StandardIce or Macrolce
- Gas leakage isolation
- Water softener
- Special voltages on request



food



bakery



meat



fish



vegetables



fruits



non food



supermarket



industry



laboratory



health care

IceTechnology. Made in Germany.



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