



baktec®

QUALITY WITHOUT COMPROMISE



**BKL ICE EF
ICE WATER CHILLER**

ABOUT US

With over forty years of experience, Baktec can rightly be called a specialist in its own field. The company focuses on developing and producing water mixing and measuring equipment and water chillers for every type of bakery and supplies these worldwide. For decades, we have been known as a manufacturer of **high-quality equipment**, which is highly reliable and accurate. We believe in a world without worrying about peripheral issues, where one only has to focus one's craftsmanship. It is easy for everyone to work with our appliances; from unskilled personnel to professional bakers. This translates into our range of appliances and the digital service we offer customers.

Baktec.Assist©

Through our digital customer portal Baktec.Assist©, downtime is prevented and 75% of support requests are answered. All information can be viewed quickly and is easily accessed by means of a QR code on the appliance. This allows the user of our equipment to quickly get on with what is important to them: baking the tastiest products. Our goal is to unburden our customers and to avoid downtime, but when it does happen, we want to help our customers quickly. On the portal, you will find video content ranging from the installation of our water mixing and measuring equipment and water chillers to videos explaining how to operate the appliances. You can also find the maintenance history of the appliances, and photos show which parts are available for each appliance so that customers can quickly order them themselves. Baktec.Assist© allows us to **support** our customers **24/7**.

Preventive Maintenance Program

Baktec has good insight into the life span of components, allowing us to predict when they need to be replaced. Our Preventive Maintenance Programme further reduces the risk of downtime. Through Baktec.Assist©, we can advise customers in advance which part is due for service or replacement.

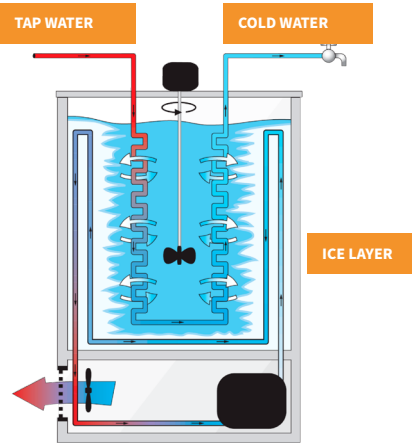
BKL ICE EF ICE WATER CHILLER

For optimum product quality, the precise water temperature is essential. This can be quite a challenge, especially with high temperatures during the summer. With our Ice water chillers BKL ICE EF (EcoFriendly), very low water temperatures are continuously available.

Our BKL ICE EF ice water chillers, work according to the same principle: fresh drinking water runs through a spiral in a **0,5°C** water bath, cooled by means of ice accumulated along the walls of the bath. The chilled water cannot be contaminated, as with this closed system the water is not in contact with open air. By using a powerful **stirring motor**, the maximum cooling capacity is reached. Because of an optimal harmonisation between the mechanical parts and a new evaporator and refrigerant, the chillers are efficient and environmentally friendly. The chilled water remains at a stable temperature, without major fluctuations.

The ice water chillers are equipped with a digital Ice Mass Sensor (IMS) allowing optimum control over the accumulation of ice and maximum continuity. This also prevents the water spiral from freezing.

The BKL ICE EF water chillers are provided with the eco-friendly refrigerant **R290**, which meets the European F-gas regulation



RESULTS	ONE BKL 200 ICE EF			TWO BKL 200 ICE EF (SERIAL INSTALLED)
	BATCH NR.	PER BATCH 10 L	PER BATCH 20 L	PER BATCH 60 L
1	1.2°C	1.9°C	1.9°C	1.7°C
2	1.2°C	1.9°C	1.9°C	1.4°C
3	1.1°C	2.0°C	1.9°C	1.5°C
4	1.2°C	1.9°C	2.0°C	1.4°C
5	1.3°C	1.9°C	2.0°C	1.4°C
6	1.3°C	2.0°C	2.0°C	1.5°C
7	1.4°C	1.9°C	1.9°C	1.6°C
8	1.4°C	1.9°C	2.0°C	1.7°C
9	1.5°C	1.8°C	2.0°C	2.0°C
10	1.6°C	1.9°C	2.0°C	2.1°C

SPECIFICATIONS

The BKL ICE EF range consists of three different water chillers, which differ in capacity and usage:

BKL 200 ICE EF

The BKL 200 ICE EF is a powerful ice water chiller with one compressor. Because of the optimal harmonisation between the mechanical parts, the outgoing water temperature remains constant, without any major fluctuations.

BKL 200 ICE EF HEAVY DUTY

The Heavy Duty is a very powerful ice water chiller provided with two compressors, which makes it possible to reach very low water temperatures and an optimal cooling capacity. This model is ideal for operation at high ambient temperatures up to 35°C.

BKL ICE DUO EF

The BKL ICE DUO EF is provided with two separate water baths and two cooling units instead of one; two water chillers in one. The water is cooled down in two steps which makes it possible to reach very low temperatures under **2°C**, even with high inlet temperatures. The BKL ICE DUO EF can be connected in series, for very low temperatures, or parallel, for a higher flow capacity. In addition, both cooling units of the BKL ICE DUO EF can be switched on separately. This makes it possible to turn off a cooling unit in winter, when less chilled water is used.

SPECIFICATIONS	BKL 200 ICE EF	BKL 200 ICE HD EF	BKL ICE DUO EF
CAPACITY	40-150 L/HOUR	40-250 L/HOUR	40-400 L/HOUR
CONTINUOUS CAPACITY	80 L/HOUR	110 L/HOUR	160 L/HOUR
TEMPERATURE WITH ONE UNIT	1.5°C - 3°C	1.5°C - 3°C	0.5°C - 3°C
WATERFLOW (DEPENDING ON WATERPRESSURE)	12-20 L/MIN	12-20 L/MIN	12-30 L/MIN
WATER PRESSURE	1-5 BAR	1-5 BAR	1-5 BAR
MAXIMUM TEST PRESSURE	16 BAR	16 BAR	10 BAR
COOLING CAPACITY	1125 W	1700 W	2250 W (2 X 1125 W)
COMPRESSOR	1/2 HP	2 X 3/8 HP	1 HP (2 X 1/2HP)
ICE MASS	40 KG	40 KG	80 KG (2 X 40 KG)
NETT WATER BATH CONTENT	72 LITER	72 LITER	144 LITER (2 X 72L)
WATER INLETS	R1/2"	R1/2"	R1/2"
ELECTRICITY	220 - 240 VAC 50 HZ	220 - 240 VAC 50 HZ	220 - 240 VAC 50 HZ
NETT WEIGHT	71 KG	82 KG	95 KG
DIMENSIONS (L X B X H)	50,0 X 53,5 X 87,0 CM	50,0 X 53,5 X 90,5 CM	100,0 X 53,5 X 94,0 CM