

BAKTEC®

ice waterchillers



BKL ICE DUO

Our range ICE waterchillers model BKL all work according to the same principal: Fresh drinking water under natural pressure runs through a spiral and is chilled down by force in a bath of 0°C water. The chilled water can not be contaminated as it is not in contact with open air. The outlet temperature remains stable, without major fluctuations, which improves the dough quality.

By the use of powerful stirring motors with a large fan, the optimal cooling capacity is reached.

All our ICE waterchillers are delivered plug ready and can be used without a pump.

The Baktec **BKL ICE DUO** is equipped with innovative solutions, which makes the cooling process even more efficient and effective.

The **BKL ICE DUO** has two separate water baths with water spirals for cooling water in two steps. By cooling down in two separate steps, really low temperatures below 2°C are reached even with high inlet temperatures! At the start of production, very low temperatures are available. The **BKL ICE DUO** has a very high capacity:

Results BKL ICE DUO*		
Inlet temperature: 18°C; 60 liter per batch, with an interval of 12 minutes		
Batch nr	Outlet temperature	Total dosed liters
1	1,0°C	60 Liter
2	1,0°C	120 Liter
3	1,1°C	180 Liter
4	1,2°C	240 Liter
5	1,3°C	300 Liter
6	1,5°C	360 Liter
7	1,7°C	420 Liter
8	1,8°C	480 Liter
9	2,0°C	540 Liter
10	2,2°C	600 Liter

At a continues flow and an inlet temperature of 18°C the following results are reached:

50 Liter:	1,0°C
100 Liter:	1,2°C
150 Liter:	1,7°C
200 Liter:	2,0°C



The Baktec **BKL ICE DUO** is equipped with the new **Ice Mass Regulation System**. By using a set of ice mass sensors, the maximum ice mass (cold storage) is reached and the water spirals can not freeze in.

With the new digital thermostat and thermostatic expansion valves, it is possible adjust the temperature very precise.

These have digital temperature readout so that the temperature of both water baths can be easily read from a distance.

The BKL 200 ICE is very energy friendly. During the different seasons, the tap water temperature changes and accordingly the need for chilled water. The “two positions switch” per water bath, for low and extensive use, make it possible to alter the cooling capacity to your needs. A flow switch, that only turns on the stirring motors when water is drawn, not only saves energy, but also improves the lifespan of the stirring motors.

For optimal and efficient use of chilled water, it is recommended to use a water mixing and measuring appliance. Baktec offers water mixing and measuring appliances for every possible use.

Specificaties	BKL ICE DUO
Capacity	40 - 350 liter per hour
Temperature with one unit	0,5 °C – 2 °C
Speed (depending on water pressure)	12-20 l p/m
Water pressure	1-5 kg/cm ²
Maximum test pressure	7 kg/cm ²
Water inlet diameter	R ¾ " or 12-15 mm ø min
Electrical requirements	220-240 VAC 50 Hz Consumption: 1225 W
Nett water bath content	144 Liter (2 x 72 liter)
Ice mass	80 Kg (2 x 40 Kg)
Power	1,7 Kw
Nett Weight	95Kg
Dimensions (w x h x d) (without joining appliances)	50 x 86 x 50 cm

