

WATER MIXER

type B49 / B49C

PRODUCT DESCRIPTION

The B49 water mixer is the latest model of 2E water mixers and replaces the former models, B48/B48I. The B49 is designed for operation in bakeries requiring capacities in the area of 20 litres/min (at an inlet pressure of approx. 3 bar) and an extraordinary accurate temperature control.

The water mixer consists of 2 units, one being the mixing and measuring unit, the other being the control panel – both built into plastic cabinets. The two units can be placed where most convenient to facilitate operation.

The control panel is easy and simple to operate. The required water quantity and temperature is set via the keypad, which is smooth and very easy to clean. Two displays show the set water quantity and actual temperature, respectively, and during metering the actual quantity is continuously displayed.



The B49 water mixer

By means of a key for automatic intermediate stop, the quantity of water can be divided into two portions allowing for a pre-mix.

The water mixer is able to memorize up to 3 different water quantities and temperatures previously entered and saved in the processor's memory.

Any interruptions of operation are easily identified by means of codes given in the temperature display. The water mixer has a repeat function meaning that you only have to press a key to repeat the latest metered quantity.

The B49 water mixer has two outlets; the water mixer bypasses any cold water from the hot water main supply into the drain until correct temperature is reached whereupon it switches to the other outlet, discharging water into the mix.

By means of an extra interface circuit board, the B49 can communicate with other equipment able to deliver digital output and receive digital input (PLC, PC etc). Temperature and quantity data are given to the B49 followed by a start signal whereupon dosing of water begins.

The **B49C** is equipped with an extra pipe connection at the cold water inlet side for connection of chilled water.



The B49C with connection for chilled water.

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TECHNICAL SPECIFICATIONS

Cabinet

Dimensions: 260 X 400 X 170 mm
Tightness classification: IP65

Mixing and measuring unit

Dimensions: 550 X 425 X 190 mm
Tightness classification: IP65

Temperature

Temperature range: +10° - + 70°C
Hot water inlet temperature: Max. 85°C
Temperature accuracy: approx. +/- 1°C *)
Display: Digital
Resolution: 1°C

Dosing

Capacity at 3.5 bar pressure: 20 l/min.
Max. water quantity per operation: 999,9 l.
Repeat accuracy: +/- 0,5% of set quantity.
Display: Digital
Resolution: 0,1 l.
Measuring technique: Mechanical/electrical

Connection

Power supply: 220-240 VAC / 50-60 Hz
Power consumption: 50 VA
Water inlet connections: ½" pipe thread
Hot water inlet: Left connection (red)
Cold water inlet: Right connection (blue)
Chilled water connection: Max. ½ bar difference from main water supply pressure.
Recommended operation pressure: 3 – 3.5 bar

*) Hot water inlet temperature must be min. 10° C higher than required discharge temperature, and cold water inlet temperature must be lower than required discharge temperature.