

# NB SERIES

## Unstirred Water Baths

- Designed for many general and special applications in microbiology, research and industrial laboratories
- Excellent temperature control of liquid for uniform and stable temperatures
- Reliable and accurate N-Prime™ programmable PID microprocessor control system
- User friendly control panel including large bright LED displays for temperature and time
- Easy programming with one button, just turn and push
- Password protected menu to secure the operation
- Programmable alarm limits
- Data recording on memory stick by means of USB port up to 125 days
- Programmable delayed start function
- Safety thermostat to prevent running without water and audible and visual alarms against over heating
- Seamless corrosion resistant stainless steel tank for a longer life
- Minimized risk of contamination by the rounded corners and smooth surfaces of the tank
- Silicon sheet heaters surrounding the tank from three sides for uniform heating
- Triple insulation consisting of glass wool, aluminium layer and air gap for high efficiency
- Angled front panel to protect the controller from accidental water spillage
- Efficient tank usage as there is no obstruction in the tank such as circulation pump or heater
- Convenient drain for discharging the liquid in the tank quickly
- Footprint almost equal to the tank dimensions to save valuable bench space.



N-prime

### TECHNICAL SPECIFICATIONS

	NB 5	NB 9	NB 20
Tank Volume, litres	6	9,5	21
Useful Volume, litres	4	7	15
Temperature Range	Ambient Temp + 5°C / 99,9°C		
Temperature Sensor	Fe-Const		
Control System	N-Prime™ Programmable Microprocessor		
Temperature Set and Display Sensitivity	0,1°C		
Temperature Variation @37°C	± 0,2°C*		
Temperature Fluctuation @37°C	± 0,1°C*		
Programmable Alarm Limits	± 0,5°C / 5°C		
Timer	1 minute – 99,9 hours + Hold Position		
Delayed Start Timer	1 minute – 99,9 hours		
Selectable Recording Frequency on Memory Stick	10 or 30 seconds, 1, 5, 30 or 60 minutes		
Internal Material	Stainless Steel		
External Material	Epoxy - Polyester Powder Coated Steel		
Power Consumption	600 W	800 W	1600 W
Power Supply	230 V, 50/60 Hz		
Internal Dimensions (WxDxH) mm	150x300x150	240x300x145	505x300x145
External Dimensions (WxDxH) mm	240x400x270	320x405x275	590x405x275
Packing Dimensions (WxDxH) mm	300x460x480	390x450x480	650x450x480
Net / Packed Weight kg.	8 / 11	9 / 12	13 / 17

\*At 22°C ambient tempeture with closed lid

### ACCESSORIES

- K 04 290 Plexiglass lid for NB 5 (Resists up to 60°C)
- K 52 010 Stainless steel lid for NB 5
- K 04 286 Plexiglass lid for NB 9 (Resists up to 60°C)
- K 52 007 Stainless steel lid for NB 9
- K 04 289 Plexiglass lid for NB 20 (Resists up to 60°C)
- K 52 003 Stainless steel lid for NB 20
- K 52 008 Lid with 4 holes for NB 9 (Hole dia. 95 mm)
- K 52 005 Lid with 4 holes for NB 20 (Hole dia. 95 mm)
- K 52 006 Lid with 6 holes for NB 20 (Hole dia. 95 mm)
- K 52 014 Lid with 8 holes for NB 20 (Hole dia. 95 mm)
- A 08 051 Tube rack 52 x Ø 13 mm, wide 70 mm
- A 08 050 Tube rack 30 x Ø 16 mm, wide 70 mm
- A 08 021 Tube rack 27 x Ø 18 mm, wide 70 mm
- A 08 049 Tube rack 12 x Ø 30 mm, wide 70 mm