

## General purpose digital water bath range – JB Nova

General purpose water baths with stable temperature control, simple interface and fast heat-up. A choice of four models with a base tray and lid included as standard.

- Ambient +5°C to 95°C operation
- Unique Set and Forget™ technology - fast heat up, reliable temperature control
- Stability:  $\pm 0.5^\circ\text{C}$
- Simple, intuitive controls - quick and easy to set temperature
- Drain tap on 12L, 18L and 26L baths
- Practical front panel lock - disables front panel controls preventing unintentional temperatures changes
- 3 year warranty
- Suitable for use with heat transfer beads



JBN12 model shown

**Grant non-drip clear lid, included as standard** – improves performance, limits evaporation and conserves energy.

**Base tray (included as standard)** – promotes heat convection and optimal temperature uniformity, also allows any container to be placed directly in the bath.

**Front panel lock** disables front panel controls preventing unintentional temperature changes.

**Clear, wide-angle viewing LED display** - instant reassurance of bath status.

**Advanced dry run and run dry protection** - prevents costly service repairs in case bath is accidentally switched on or run without water. Simply fill and restart.

**Fixed thermal cut-out** - independent safety cut-out.

**User-calibration** – single point for optimum accuracy at your working temperatures.

**Simple and intuitive controls for quick temperature setting** – immediate temperature re-setting using  $\nabla$  and  $\blacktriangle$  buttons.

**Drain tap** – allows convenient emptying on 12L, 18L and 26L baths.

**Heater mat and sensor bonded to underside of tank** – optimised uniformity and work space. Tank easy to clean.



### Markets:

- Education, industry





### Applications:

- Practical science demonstration, sample warming, sample preparation, QC materials, sample thawing, sample incubation, media preparation









## Unstirred water baths » JB Nova » Specifications, options and accessories

## JB Nova - Technical specifications

● = standard

		General purpose unstirred baths – JB Nova			
		JBN5	JBN12	JBN18	JBN26
		 h: 310mm d: 215mm w: 335mm weight: 3.9kg	 h: 380mm d: 390mm w: 360mm weight: 6.2kg	 h: 420mm d: 590mm w: 335mm weight: 9kg	 h: 420mm d: 590mm w: 335mm weight: 9.3kg
Tank capacity	L	5	12	18	26
Min/max liquid depth	mm	50/125	50/125	50/125	70/175
Temperature range	°C	ambient +5 to 95			
Temp.display and setting resolution	°C	0.5			
Temp stability (DIN 12876) @ 70°C	±°C	0.5			
Temperature setting		digital			
Fixed thermal cut-out		●			
Dry start/run dry protection		●			
Working area (d x w)	mm	131 x 281	281 x 306	485 x 281	481 x 278
Drain tap		–	●	●	●
Heater power	230V/120V W	350/350	800/800	1400/1050	1400/1050
Supply voltage	V	120 or 230			
Regulatory Approval		CE and CSA approved			

## Options and accessories

	JBN5	JBN12	JBN18	JBN26
	5L	12L	18L	26L
	<b>Replacement polycarbonate transparent lids*</b>			
	<b>AQL5</b>	<b>AQL12</b>	<b>AQL26</b>	<b>AQL26</b>
	Directs condensation away from immersed vessels, avoids contamination, reduces evaporation and saves energy.			
	<b>Stainless steel sloping lids*</b>			
	<b>LU6</b>	<b>LU14</b>	<b>LU28</b>	<b>LU28</b>
	<b>Flat lids*</b>			
	<b>LF6</b> (2 ring sets)	<b>LF14</b> (4 ring sets)	<b>LF28</b> (6 ring sets)	<b>LF28</b> (6 ring sets)
	With ring sets of variable hole diameter to accommodate tall vessels whilst reducing evaporation.			
	<b>Polypropylene spheres*</b> (packs per bath)			
	1 x <b>PS20</b>	1 x <b>PS20</b>	2 x <b>PS20</b>	2 x <b>PS20</b>
	Useful alternative to a lid, minimises evaporation and heat loss whilst allowing easy access to vessels in the bath; particularly useful for tall vessels.			
	<b>Raised shelves</b> – reversible, allows two shelf depths. h = shelf height above tank base (mm).			
	–	<b>RS14H</b> (h 40 or 78) shelf covers half area of JBN12	<b>RS18H</b> (h 40 or 135) shelf covers half area of JBN18	<b>RS28H</b> (h 45 or 135) shelf covers half area of JBN26
	<b>Racks</b> (no. per bath)			
	1 x <b>J2</b>	2 x <b>J2</b>	4 x <b>J2</b>	4 x <b>J2</b>
	Choice of 8 variants to accommodate different tube diameters and microtubes (see below).			
	<b>Replacement base trays</b>			
	<b>AQBT5</b>	<b>AQBT12</b>	<b>AQBT26</b>	<b>AQBT26</b>
	Required if flat-bottomed flasks are to be placed directly on the base of the bath and to promote thermal convection in the bath.			
	<b>Drain stopper</b>			
	–	<b>UWB-DS</b> (pack of 5)	<b>UWB-DS</b> (pack of 5)	<b>UWB-DS</b> (pack of 5)
	Recommended when using heat transfer beads, to prevent beads entering drain hole.			

\* lid or spheres recommended for use above 60°C

## Unstirred water bath racks

Rack	Tube size Ø	Capacity	Rack	Tube size Ø	Capacity	Rack	Tube size Ø	Capacity	Rack	Tube size Ø	Capacity
J2-10	10mm	84	J2-16	16mm	36	J2-25	25mm	18	J2-SE	0.5ml	105
J2-13	13mm	55	J2-19	19mm	32	J2-30	30mm	12	J2-LE	1.5ml	65