

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 ∇ 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

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