



Unstimulated Water Baths

SAP

Advanced-level
unstimulated water bath range

JBN

Mid-level unstimulated water bath range

JBA

Entry-level unstimulated water bath range

SBB Aqua Plus

Boiling bath range

Unstirred Water Baths

The reliability, quality and consistent performance of Grant products have made Grant a leading manufacturer of water baths for decades.

Digital design – digital controls on all thermostatic baths from entry-level through to advanced-level

Proven performance – advanced technology delivers accurate temperature control

Set and Forget™ technology – fast heat up, accurate temperature control



JBN range



JBA range



SAP range



SBB Aqua Plus boiling bath range

Comparison of features and specifications

				
		JBA	JBN	SAP
		JB Academy	JB Nova	SUB Aqua Pro
Tank size	L	5, 12, 18	5, 12, 18, 26	2, 2L shallow, 5, 5L & 12 (dual), 12, 18 ,26 & 34
Temperature range	°C	Ambient +5 to 95	Ambient +5 to 95	Ambient +5 to 99
Temperature display and setting resolution	°C	0.5		0.1
Stability (DIN 12876)	@70°C ±°C	0.5		0.2
Temperature setting		Digital		
Front panel lock		•		
Fixed thermal cut-out		•		
Dry start/boil dry protection		•		
User calibration		1pt		2pt
Element free tank		•		
Drain tap (12L and above)		-	•	
Lid as standard		-	•	
User adjustable over temperature alarm		-		•
Programmable temperature presets		-		3
Countdown timer with audible alarm		-		1 to 999 minutes
Supply voltage	V	120 or 230		
Compatible with heat transfer beads		-	•	• (5L+)

JBA Keypad



JBN Keypad



SAP Keypad



Fluids

We recommend the following liquids for use in Grant baths:

5°C to 99°C: Water

The SAP and JBN ranges (greater than 2L) are compatible with heat transfer beads

Sub Aqua Pro

Advanced-level digital unstirred water bath range

Built to the highest standard and specifications, combining the latest technology the SUB Aqua Pro advanced water bath range supports even the most demanding applications requiring accurate temperature control. A choice of eight models with a base tray and lid included as standard.

SAP12 model shown.

Stainless steel tank - high grade steel, with durable polished finish.

User calibration - dual for optimum accuracy at your working temperature.

Fixed thermal cut-out - independent safety feature.

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

Drain tap - allows convenient emptying on 12L, 18L, 26L, 34L and dual baths (5L and 12L).



Product highlights

- Temperature range ambient +5°C to 99°C operation
- Stability: $\pm 0.2^{\circ}\text{C}$
- Unique Set and Forget™ technology - fast heat-up, accurate temperature control
- Simple, intuitive controls - quick and easy to set temperature
- Suitable for use with heat transfer beads (excluding SAP2 & SAP2S)
- Adjustable over temperature alarm - protect samples from over heating
- Practical front panel lock - disables front panel controls preventing unintentional changes
- 3 year warranty



Non-drip lid - improves performance, limits evaporation and conserves energy. Included as standard.

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.

Base tray - promotes heat convection and optimal temperature uniformity. Also allows any container to be placed directly in the bath. Included as standard.

Three programmable temperature presets - allows commonly used temperatures to be quickly selected.

Countdown timer (1-999 mins) with audible buzzer - for accurate reaction timing.

Applications

- Sample preparation, sample incubation, sample warming, sample thawing, media preparation, QC materials and practical science demonstration
- Markets: Pharma/biotech, education, industry, healthcare

Sub Aqua Pro

Technical specifications

										
		SAP2	SAP2S	SAP5	SAP12	SAP18	SAP26	SAP34	SAPD 5 and 12L Dual bath	
Capacity	L	2	2 (shallow)	5	12	18	26	34	5 & 12	
Dimensions	mm	h: 305 d: 200 w: 186	h: 260 d: 215 w: 335	h: 310 d: 215 w: 335	h: 380 d: 390 w: 335	h: 420 d: 590 w: 335	h: 430 d: 590 w: 335	h: 400 d: 775 w: 335	h: 400 d: 380 w: 545	
Weight	kg	2.5	3	3.9	6.2	9.2	9.4	13.8	9.9	
Temperature range	°C	Ambient +5 to 99								
Stability (DIN 12876)	@70°C ±°C	0.2								
Setting resolution	°C	0.1								
Working area	mm	d: 117 w: 131	d: 139 w: 289	d: 131 w: 281	d: 306 w: 281	d: 485 w: 281	d: 481 w: 278	d: 635 w: 281	d: 131 w: 281	d: 281 w: 306
Min/max liquid depth	mm	50/125	32/40	50/125	50/125	50/125	70/175	70/166	50/125	
Countdown timer with audible alarm		1 to 999 minutes								
Temperature setting/energy regulation		Digital								
User adjustable over temperature alarm		•								
Fixed thermal cut-out		•								
Dry start/run dry protection		•								
Drain tap		-			•					
Programmable temperature pre-sets		3								
Heater power	230V W	250	350	350	800	1400	1400	1800	1150	
	120V W	250	350	350	800	1050	1050	1300	1150	
Supply voltage	V	120 or 230								
Regulatory approval		CE and CSA approved								

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If you cannot find what you are looking for in our standard product portfolio, our custom solutions experts are available to develop the right solution for your requirements. Contact the team today, who will be happy to help. Call +44 (0) 1763 260 811 or email salesdesk@grantinstruments.com. More information can also be found here: www.grantinstruments.com.

Sub Aqua Pro

Options and accessories

								
	SAP2	SAP2S	SAP5	SAP12	SAP18	SAP26	SAP34	SAPD
	2L	2L	5L	12L	18L	26L	34L	5L and 12L
	Replacement transparent polycarbonate lids – Directs condensation away from immersed vessels, avoids contamination, reduces evaporation and saves energy.*							
	AQL2	AQL5	AQL5	AQL12	AQL26	AQL26	–	AQL5 and AQL12
	Stainless steel sloping lids*							
	–	LU6	LU6	LU14	LU28	LU28	LU36	LU6 and LU14
	Flat lids – with ring sets of variable hole diameter to accommodate tall vessels whilst reducing evaporation* Ring set reductions are 105, 78, 59, 43 and 31mm.							
	–	–	LF6	LF14	LF28	LF28	LF36	LF6 and LF14
	Polypropylene spheres (packs per bath) – useful alternative to a lid, minimises evaporation and heat loss whilst allowing easy access to vessels in the bath; particularly useful for tall vessels. *							
	x1 PS20	x1 PS20	x1 PS20	x1 PS20	x2 PS20	x2 PS20	x3 PS20	x2 PS20
	Raised shelves – reversible, allows two shelf depths. h = shelf height above tank base (mm)							
	–	–	–	RS14H (h 40 or 78) Shelf covers half area of SAP12	RS18H (h 40 or 78) Shelf covers half area of SAP18	RS28H (h 45 or 135) Shelf covers half area of SAP26	RS36H (h 45 or 135) Shelf covers half area of SAP34	RS14H (h 40 or 78) Shelf covers half area of SAPD
	Racks (no. per bath) – choice of 8 variants to accommodate different tube diameters and microtubes (see below).							
	–	–	1 x J2	2 x J2	4 x J2	4 x J2	6 x J2	1 + 2 x J2
	Replacement base trays – required if flat-bottomed flasks are to be placed directly on the base of the bath and to promote thermal convection in the bath.							
	AQBT2	AQBT5	AQBT5	AQBT12	AQBT26	AQBT26	SBT36	AQBT5 and AQBT12
	Drain stopper – Recommended when using heat transfer beads, to prevent beads entering drain hole.							
	–	–	–	UWB-DS (pack of 5)	UWB-DS (pack of 5)	UWB-DS (pack of 5)	UWB-DS (pack of 5)	UWB-DS (pack of 5)

Unstirred water bath racks

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

JB Nova

Mid-level digital water bath range

Our mid-level range of water baths offer stable temperature control, simple interface and fast heat-up and features our unique Set and Forget™ technology. A choice of four models with a base tray and lid included as standard.

Temperature range ambient +5°C to 95°C operation

Unique Set and Forget™ technology - fast heat-up, reliable temperature control

Simple, intuitive controls - quick and easy to set temperature

Practical front panel lock - disables front panel controls preventing unintentional changes

Suitable for use with heat transfer beads

3 year warranty

Simple and intuitive controls for quick temperature settings immediate temperature resetting using ▲ and ▼ buttons.

Stainless steel - high grade steel, with durable polished finish.

User calibration - single point for optimum accuracy at your working temperature.

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



Non-drip lid - improves performance, limits evaporation and conserves energy. Included as standard.

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

Fixed thermal cut-out - Independent safety feature.

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

Applications

- Practical science demonstration, sample warming, sample preparation, QC materials, sample thawing, sample incubation, media preparation
- Markets: Education and industry

JB Nova

Technical specifications

					
		JBN5	JBN12	JBN18	JBN26
Capacity	L	5	12	18	26
Dimensions	h x d x w mm	310 x 215 x 335	380 x 390 x 335	420 x 590 x 335	420 x 590 x 335
Weight	kg	3.9	6.2	9	9.3
Temperature range	°C	Ambient +5 to 95			
Stability (DIN 12876)	@70°C ±°C	0.5			
Setting resolution	°C	0.5			
Working area	d x w mm	131 x 281	306 x 281	485 x 281	481 x 278
Min/max liquid depth	mm	50/125			70/175
Temperature setting energy regulation		Digital			
Fixed thermal cut-out		•			
Dry start/run dry protection		•			
Drain tap		-	•		
Heater power	230V W	350	800	1400	1400
	120V W	350	800	1050	1050
Supply voltage	V	120 or 230			
Regulatory approval		CE and CSA approved			

Options and accessories

	Replacement transparent polycarbonate lids - Directs condensation away from immersed vessels, avoids contamination, reduces evaporation and saves energy.*			
	AQL5	AQL12	AQL26	AQL26
	Stainless steel sloping lids*			
	LU6	LU14	LU28	LU28
	Flat lids - with ring sets of variable hole diameter to accommodate tall vessels whilst reducing evaporation* Ring set reductions are 105, 78, 59, 43 and 31mm.			
	LF6 (2 ring sets)	LF14 (4 ring sets)	LF28 (6 ring sets)	LF28 (6 ring sets)
	Polypropylene spheres (packs per bath) - useful alternative to a lid, minimises evaporation and heat loss whilst allowing easy access to vessels in the bath; useful for tall vessels.*			
	x1 PS20	x1 PS20	x2 PS20	x2 PS20
	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 78) Shelf covers half area of JBN18	RS28H (h 45 or 135) Shelf covers half area of JBN26
	Racks (no. per bath) - choice of 8 variants for different tube diameters and microtubes.			
	1 x J2	2 x J2	4 x J2	4 x J2
	Replacement base trays - required if flat-bottomed flasks are to be placed directly on the base of the bath and to promote thermal convection in the bath.			
	AQBT5	AQBT12	AQBT26	AQBT26
	Drain stopper - Recommended when using heat transfer beads, to prevent beads entering drain hole.			
	-	UWB-DS (pack of 5)	UWB-DS (pack of 5)	UWB-DS (pack of 5)

JB Academy

Entry-level digital water bath range

Ideal for schools and colleges looking for a robust, long-lasting, simple and easy to use water bath. Base tray included as standard*. This is cost-saving range comes in three models - 5L, 12L and 18L.

Temperature range ambient +5°C to 95°C operation

Unique Set and Forget™ technology - fast heat-up, reliable temperature control

Simple, intuitive controls - quick and easy to set temperature

Practical front panel lock - disables front panel controls preventing unintentional changes

3 year warranty



* Lid sold separately

Applications

- Practical science demonstration, sample warming, media preparation
- Markets: Education, schools, colleges and industry

JB Academy

Technical specifications

				
		JBA5	JBA12	JBA18
Capacity	L	5	12	18
Dimensions	h x d x w mm	310 x 215 x 335	380 x 390 x 335	420 x 590 x 335
Weight	kg	3.9	6.2	9
Temperature range	°C	Ambient +5 to 95		
Stability (DIN 12876)	@70°C ±°C	0.5		
Setting resolution	°C	0.5		
Working area	d x w mm	131 x 281	306 x 281	485 x 281
Min/max liquid depth	mm	50/125		
Temperature setting/ energy regulation		Digital		
Fixed thermal cut-out		•		
Dry start/run dry protection		•		
Heater power	230V W	350	800	1400
	120V W	350	800	1050
Supply voltage	V	120 or 230		
Regulatory approval		CE and CSA approved		

Options and accessories

	Optional transparent polycarbonate lids - Directs condensation away from immersed vessels, avoids contamination, reduces evaporation and saves energy.*			
	AQL5	AQL12	AQL26	AQL26
	Stainless steel sloping lids*			
	LU6	LU14	LU28	LU28
	Flat lids - with ring sets of variable hole diameter to accommodate tall vessels whilst reducing evaporation* Ring set reductions are 105, 78, 59, 43 and 31mm.			
	LF6 (2 ring sets)	LF14 (4 ring sets)	LF28 (6 ring sets)	LF28 (6 ring sets)
	Polypropylene spheres (packs per bath) - useful alternative to a lid, minimises evaporation and heat loss whilst allowing easy access to vessels in the bath; useful for tall vessels.*			
	x1 PS20	x1 PS20	x2 PS20	x2 PS20
	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 78) Shelf covers half area of JBN18	RS28H (h 45 or 135) Shelf covers half area of JBN26
	Racks (no. per bath) - choice of 8 variants for different tube diameters and microtubes.			
	1 x J2	2 x J2	4 x J2	4 x J2
	Replacement base trays - required if flat-bottomed flasks are to be placed directly on the base of the bath and to promote thermal convection in the bath.			
	AQBT5	AQBT12	AQBT26	AQBT26
	Drain stopper - Recommended when using heat transfer beads, to prevent beads entering drain hole.			
	-	UWB-DS (pack of 5)	UWB-DS (pack of 5)	UWB-DS (pack of 5)

SBB Aqua Plus

Boiling bath range

The SBB Aqua Plus boiling baths are robust, reliable and designed for continuous 100°C operation. Analogue control on a simple dial for straightforward energy regulation. The range consists of four models to suit a range of applications and any budget.

Adjustable energy regulator provides steady boiling

Constant level device maintains liquid level

Robust and reliable design to withstand everyday wear and tear

Simple, intuitive controls for quick and easy energy regulation

Non-drip polycarbonate lid included as standard

3 year warranty

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

Adjustable energy regulator – provides steady boiling.

Two over temperature cut-outs – independent safety protection for users and the workplace if bath is accidentally run without water.



Large available working area in relation to footprint.

Constant level device ensures the bath doesn't boil dry, protecting the unit and samples.

Stainless steel – high grade steel, with durable polished finish.

Supplied with perforated tray to ensure uniform heat distribution.

Applications

- Clinical, microbiology and pathology labs – media preparation
- University research/teaching – tissue culture preparation, warming tissue culture media
- Industrial laboratories – equipment sanitisation, sample preparation for immuno assays
- Science education in schools/universities – practical science demonstration and experimentation

SBB Aqua Plus

Technical specifications

					
		SBB Aqua 5 Plus	SBB Aqua 12 Plus	SBB Aqua 18 Plus	SBB Aqua 26 Plus
Capacity	L	5	12	18	26
Dimensions	h x d x w mm	375 x 250 x 390	440 x 385 x 390	445 x 600 x 390	445 x 600 x 390
Weight	kg	5.5	7.8	10.2	11
Temperature range	°C	100 only			
Working area	d x w mm	145 x 290	315 x 290	495 x 290	495 x 290
Min/max liquid depth	mm	50/125			70/175
Temperature setting/ energy regulation		Analogue			
Safety		Two fixed thermal cut-outs			
Heater power	230V W	1500		2000	
	120V W	1300	1350		
Supply voltage	V	120 x 230			

Options and accessories

	Replacement transparent polycarbonate lids - Directs condensation away from immersed vessels, avoids contamination, reduces evaporation and saves energy.*			
	AQL5	AQL12	AQL18	AQL26
	Stainless steel sloping lids*			
	LU6	LU14	LU28	LU28
	Flat lids - with ring sets of variable hole diameter to accommodate tall vessels whilst reducing evaporation* Ring set reductions are 105, 78, 59, 43 and 31mm.			
	LF6 (2 ring sets)	LF14 (4 ring sets)	LF28 (6 ring sets)	LF28 (6 ring sets)
	Polypropylene spheres (packs per bath) - useful alternative to a lid, minimises evaporation and heat loss whilst allowing easy access to vessels in the bath; useful for tall vessels.*			
	x1 PS20	x1 PS20	x2 PS20	x2 PS20
	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 78) Shelf covers half area of JBN18	RS28H (h 45 or 135) Shelf covers half area of JBN26
	Racks (no. per bath) - choice of 8 variants for different tube diameters and microtubes.			
	1 x J2	2 x J2	4 x J2	4 x J2
	Replacement base trays - required if flat-bottomed flasks are to be placed directly on the base of the bath and to promote thermal convection in the bath.			
	SBT6	SBT14	SBT28	SBT28

* Lid or spheres recommended for use above 60°C



Authorised distributor

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