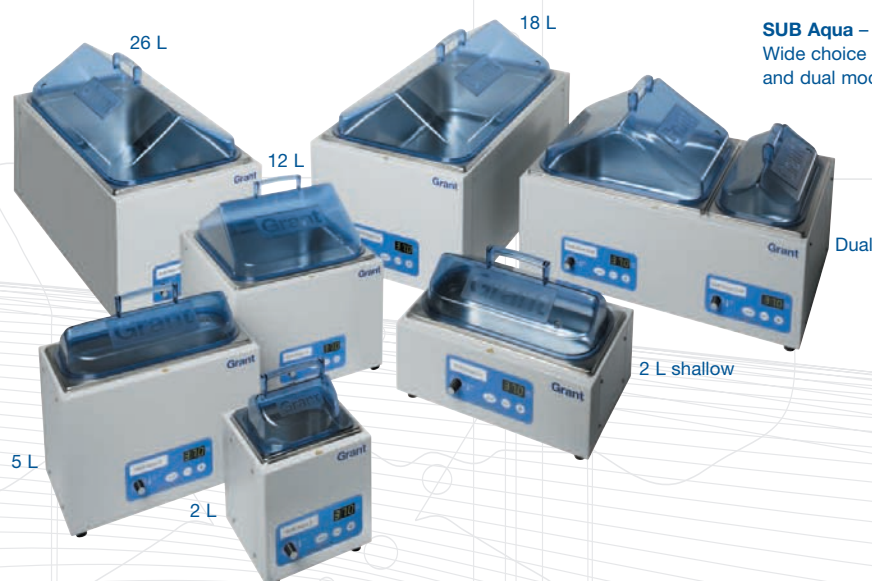


Unstirred water baths

– SUB and JB Aqua ranges

The quality and reliability of Grant products have made Grant a world leading manufacturer of water baths for many decades.

- The new 'standard' for digital and analogue water baths – modern SUB Aqua and JB Aqua ranges.
- Safe for your samples and safe for the user – the water baths that offer the reliability, performance and value-for-money our customers have come to expect.
- A complete range for all your needs – supplied with lids and base trays for better performance and energy use and supported by a full range of accessories.



SUB Aqua – the new digital water bath range. Wide choice of seven models, including shallow and dual models.

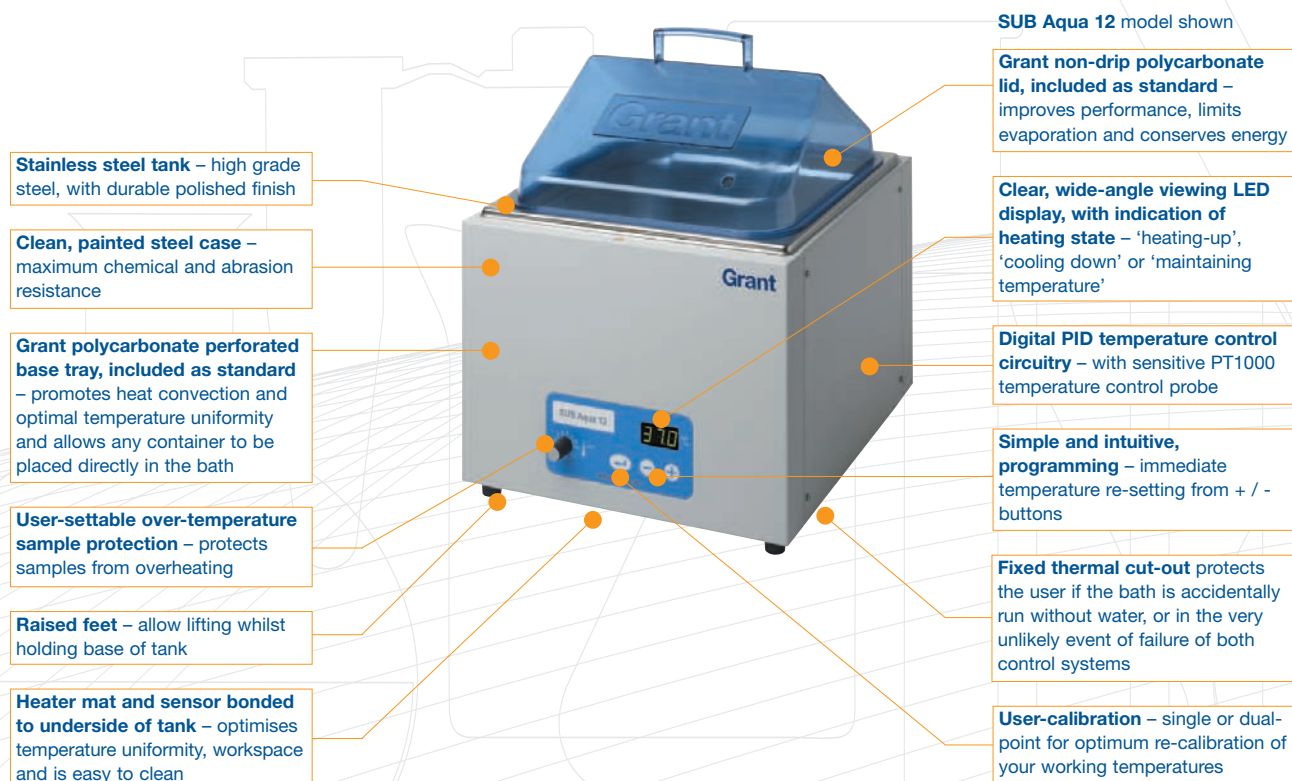
JB Aqua – the analogue water bath range. Wide choice of seven models, including shallow and dual models.



The water bath 'standard' – SUB Aqua

High quality and excellent temperature stability, in a value-for-money package designed to meet the needs of the world's researchers. The SUB Aqua range is a worthy successor to the world-renowned SUB range and is composed of seven models, including shallow and dual baths.

- Ambient + 5°C to 99°C operation
- Digital PID control for quick heat-up and precision control throughout the temperature range
- Stability $\pm 0.2^\circ\text{C}$
- Simple, yet intuitive user interface
- User-settable sample protection and fixed thermal cut-out
- 3-year warranty as standard



showcase – small volume, shallow digital water bath

SUB Aqua 2s 2 litres, a life science 'microtube' water bath

The **SUB Aqua 2s** is ideal when small tubes or vessels need to be maintained at a specific temperature and a limited water bath volume is sufficient. Energy is not wasted heating up too much water, and access to tubes is easy. The Grant polycarbonate lid ensures water lost to evaporation is minimised, while any condensation does not drip back onto samples in the bath.

- A microtube water bath – ideal for life sciences applications
- High surface to volume ratio – does not waste energy by heating too much water
- It is easy to see the tubes at all times
- Space saving – ideal for laboratories where space is at a premium

Clear, wide-angle viewing LED display, with indication of heating state – 'heating-up', 'cooling down' or 'maintaining temperature'



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

Fixed thermal cut-out – protects the user if the bath is accidentally run without water, or in the very unlikely event of failure of both control systems

showcase – dual, digital water bath

SUB Aqua Dual 5 and 12 litres

When two temperatures are needed and space and value-for-money are primary concerns – the **SUB Aqua Dual** is the answer. Popular 5 and 12 litre bath volumes are compatible with routine procedures and the bench space occupied is limited. A single unit can also easily be moved around for dual temperature procedures. Separate polycarbonate lids allow independent access to the baths and the use of two thermometers, if needed.

- Excellent value-for-money – lower cost than two individual baths
- Dual controls – simple, separate set-ups and temperature displays for complete clarity
- Optimum use of space
- Dual lids provide separate access and reduce evaporation
- Single power lead

Clear, wide-angle viewing LED display, with indication of heating state – 'heating-up', 'cooling down' or 'maintaining temperature'



Fixed thermal cut-out – protects the user if the bath is accidentally run without water, or in the very unlikely event of failure of both control systems

Heater mat and sensor bonded to underside of tank – optimises temperature uniformity, workspace and is easy to clean

The economical, quality water bath – JB Aqua








Quality meets value-for-money! Following on from the JB range – the world's best selling water baths – the JB Aqua range offers the simplicity of an analogue bath, with the quality and reliability expected in a Grant water bath. Blue transparent polycarbonate lid and polycarbonate base tray are included as standard to improve performance and limit energy wastage. The range consists of seven models including shallow and dual bath options.

- **Ambient + 5°C to 98°C**
- **User-settable sample protection and fixed thermal cut-out**
- **Polycarbonate lid and base tray – improve performance and reduce evaporation/energy loss**
- **3-year warranty as standard**
















Unstirred water baths » SUB Aqua range, summary of specifications, options and accessories

SUB Aqua unstirred water baths ranges – summary of specifications

		'Standard' stirred baths – SUB Aqua						
		SUB Aqua 2	SUB Aqua 2s	SUB Aqua 5	SUB Aqua 12	SUB Aqua 18	SUB Aqua 26	SUB Aqua Dual
								
		h: 215 mm d: 200 mm w: 190 mm	h: 150 mm d: 210 mm w: 340 mm	h: 270 mm d: 215 mm w: 340 mm	h: 270 mm d: 390 mm w: 340 mm	h: 270 mm d: 570 mm w: 340 mm	h: 270 mm d: 570 mm w: 340 mm	h: 225 mm d: 360 mm w: 540 mm
Tank capacity		2 litres	2 litres	5 litres	12 litres	18 litres	26 litres	5 & 12 litres
Temperature range	°C	ambient + 5 to 99						
Temperature setting range	°C	10 to 99 in 0.1 steps						
Stability (DIN 58966)	°C	±0.2						
Temperature setting/energy regulation		digital						
Temperature display		3 digit bright, wide-angle view LED						
Working volume	l/w/d mm	140/150/140	150/300/55	150/300/140	325/300/140	505/300/140	505/300/190	150/300/140+ 325/300/140
Overall consumption	kW	0.13	0.13	0.375	0.77	1.5	1.5	1.2
Supply voltage	V	220-240						
Sample protection		adjustable cut-out						
CSA approved		yes						








Options and accessories

							
	SUB Aqua 2	SUB Aqua 2s	SUB Aqua 5	SUB Aqua 12	SUB Aqua 18	SUB Aqua 26	SUB Aqua Dual
	2 L	2 L	5 L	12 L	18 L	26 L	5 L and 12 L
	Polycarbonate transparent lids, blue						
	AQL2	AQL5	AQL5	AQL12	AQL26	AQL26	AQL5, AQL12
	Directs condensation away from immersed vessels, avoids contamination, reduces evaporation and saves energy						
	Flat lids*						
	–	–	LF6 (2 ring sets)	LF14 (4 ring sets)	LF28 (6 ring sets)	LF28 (6 ring sets)	LF6 / LF14
	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	1 x PS20	1 x PS20	2 x PS20	2 x PS20	1 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 (w x l x h mm)						
	–	–	–	RS14H (100x80x80) covers 50% of the area of SUB Aqua 12	RS28H (120x90x80) covers 50% of the area of SUB Aqua 18	RS28H (120x90x80) covers 50% of the area of SUB Aqua 26	RS14H (100x80x80) covers 50% of the area of SUB Aqua 12
	Provides two alternative depths to accommodate different sizes/shapes of vessels simultaneously. More than one shelf can be used to achieve a range of depths						
	Racks (no. per bath)						
			1 x J2	2 x J2	3 x J2	4 x J2	1 + 2 x J2
	Choice of 8 variants to accommodate different tube diameters and microtubes (see page 9.6)						
	Base trays						
	AQBT2	AQBT5	AQBT5	AQBT12	AQBT26	AQBT26	AQBT5 & AQBT12
	Required if flat-bottomed flasks are to be placed directly on the base of the bath and to promote thermal convection in the bath						














* lid or spheres should be used above 60°C

Unstirred water baths » JB Aqua range, summary of specifications, options and accessories

JB Aqua unstirred water baths ranges – summary of specifications

	Analogue unstirred baths – JB Aqua						
	JB Aqua 2	JB Aqua 2s	JB Aqua 5	JB Aqua 12	JB Aqua 18	JB Aqua 26	JB Aqua Dual
							
	h: 215 mm d: 200 mm w: 190 mm	h: 150 mm d: 210 mm w: 340 mm	h: 270 mm d: 215 mm w: 340 mm	h: 270 mm d: 390 mm w: 340 mm	h: 270 mm d: 570 mm w: 340 mm	h: 270 mm d: 570 mm w: 340 mm	h: 225 mm d: 360 mm w: 540 mm
Tank capacity	2 litres	2 litres	5 litres	12 litres	18 litres	26 litres	5 & 12 litres
Temperature range	°C ambient + 5 to 98						
Temperature setting range	°C 10 to 98 in 2.0 steps						
Stability (DIN 58966) @ 37°C	°C ±1.0						
Temperature setting/energy regulation	Analogue						
Working volume l/w/d mm	140/150/140	150/300/55	150/300/140	325/300/140	505/300/140	505/300/190	150/300/140+ 325/300/140
Overall consumption kW	0.13	0.13	0.375	0.77	1.5	1.5	1.2
Supply voltage V	220-240						
Sample protection	adjustable cut-out						
CSA approved	yes						

Options and accessories

							
	JB Aqua 2	JB Aqua 2s	JB Aqua 5	JB Aqua 12	JB Aqua 18	JB Aqua 26	JB Aqua Dual
	2 L	2 L	5 L	12 L	18 L	26 L	5 L and 12 L
	Polycarbonate transparent lids, blue						
	AQL2	AQL5	AQL5	AQL12	AQL26	AQL26	AQL5, AQL12
	Directs condensation away from immersed vessels, avoids contamination, reduces evaporation and saves energy						
	Flat lids*						
	–	–	LF6 (2 ring sets)	LF14 (4 ring sets)	LF28 (6 ring sets)	LF28 (6 ring sets)	LF6 / LF14
	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	1 x PS20	1 x PS20	2 x PS20	2 x PS20	1 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 (w x l x h mm)						
	–	–	–	RS14H (100x80x80) covers 50% of the area of JB Aqua 12	RS28H (120x90x80) covers 50% of the area of JB Aqua 18	RS28H (120x90x80) covers 50% of the area of JB Aqua 26	RS14H (100x80x80) covers 50% of the area of JB Aqua 12
	Provides two alternative depths to accommodate different sizes/shapes of vessels simultaneously. More than one shelf can be used to achieve a range of depths						
	Racks (no. per bath)						
			1 x J2	2 x J2	3 x J2	4 x J2	1 + 2 x J2
	Choice of 8 variants to accommodate different tube diameters and microtubes (see page 9.6)						
	Base trays						
	AQBT2	AQBT5	AQBT5	AQBT12	AQBT26	AQBT26	AQBT5 & AQBT12
	Required if flat-bottomed flasks are to be placed directly on the base of the bath and to promote thermal convection in the bath						

* lid or spheres should be used above 60°C



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.