

Baths

Unstirred Thermostatic Water Baths

Grant
IN THE LABORATORY

Heater and temperature sensors for the JB and SUB Aqua Pro units are bonded to the underside of the tank, optimising working space and temperature uniformity. JB Nova and SUB Aqua Pro baths are supplied with clear polycarbonate, gabled lids to minimise evaporation and energy loss (except SAP34, which has a stainless steel lid) and a polycarbonate base tray to promote heat convection and optimise temperature uniformity. SBB Aqua Plus units are similar, but the heater is located inside the stainless steel tank and covered by a stainless steel, perforated shelf. JB Academy baths have no lid, nor drain tap and are intended for educational use.

JB Academy Baths, ambient +5°C to 95°C

With stainless steel tanks in outer cases of zinc-treated steel. A digital controller with simple keypad operation, wide-angled LED display and 0.5°C resolution enables rapid and easy setting and a front panel lock disables the panel to stop inadvertent temperature changes. Also incorporates a fixed thermal cut-out to guard against dry running or controller failure and a single point, user calibration function. Stability at 70°C (DIN 12876) ±0.5°C.

JB Nova Baths, ambient +5°C to 95°C

Similar to JB Academy series but additionally supplied with clear polycarbonate lids and drain taps (12 to 26 litre capacity tanks only). Stability at 70°C (DIN 12876) ±0.5°C.

SUB Aqua Pro Baths, ambient +5°C to 99°C

Stainless steel tanks in outer cases of painted zinc-treated steel (12 to 34 litre tanks are additionally fitted with drain taps). Digital PID temperature control with simple push-button setting and wide-angled LED display, indicating the status of heating, 3 programmable temperature presets, front panel lock-out to prevent accidental adjustment to settings and 0 to 999 minute countdown timer with audible alarm at end of timed period. With adjustable dial setting, overtemperature cut-out and separate, fixed, thermal cut-out. The user can also calibrate the bath at one or two points to optimise uniformity. Stability at 70°C (DIN 12876) ±0.2°C.

SBB Aqua Plus Baths for Boiling, 100°C

As SUB Aqua Pro baths but with an analogue energy regulator in place of the thermostat. Boiling can be maintained without violent agitation or excessive steam. Two fixed overtemperature cut-outs are fitted for safety. A constant level device and non-drip polycarbonate lid are provided. These baths must be used with a lid or a layer of polypropylene spheres.

Specifications

Model	litres	Working space L x W x D mm	Rack series accepted	Lids accepted
SAP2	2	125 x 140 x 115	—	AQL2
SAP2S*	2	145 x 290 x 30	—	AQL5, LU6
JBA/JBN/SAP/SBB5	5	145 x 290 x 115	1 x J2	AQL5, LU6
JBA/JBN/SAP/SBB12	12	315 x 290 x 115	2 x J2	AQL12, LU14
JBA/JBN/SAP18	18	495 x 290 x 115	3 x J2	AQL26, LU28
JBA/JBN/SAP/SBB26	26	495 x 290 x 165	4 x J2	AQL26, LU28
SAP34	34	630 x 290 x 160	6 x J2	LU36
SAP Dual†	5 and 12	145 x 290 x 115 315 x 290 x 115	1 and 2 x J2	AQL5, AQL12, LU6 and LU14

*Low-form, shallow bath for use with microtubes and small vessels.

† Dual bath model for two-temperature procedures. With separate tanks and lids.

Water Baths, Grant, unstirred

As specified. For 230V 50Hz single phase supplies.

Digital control, ambient + 5°C to 95°C

JB Academy

- BJ152-05** JBA5, 0.35kW, without lid or drain tap
- BJ152-12** JBA12, 0.80kW, without lid or drain tap
- BJ152-18** JBA18, 1.40kW, without lid or drain tap

JB Nova

- BJ156-05** JBN5, 0.25kW, with lid, without drain tap
- BJ156-12** JBN12, 0.80kW, with lid, without drain tap
- BJ156-18** JBN18, 1.05kW, with lid and drain tap
- BJ156-26** JBN26, 1.05kW, with lid and drain tap

Digital control, ambient + 5°C to 99°C

SUB Aqua Pro (SAP)

- BJ158-02** SAP2, 0.25kW, with lid, without drain tap
- BJ158-04** SAP2S, 0.35kW, with lid, without drain tap
- BJ158-05** SAP5, 0.35kW, with lid, without drain tap
- BJ158-12** SAP12, 0.80kW, with lid and drain tap

- BJ158-18** SAP18, 1.05kW, with lid and drain tap
- BJ158-26** SAP26, 1.05kW, with lid and drain tap
- BJ158-34** SAP34, 1.30kW, with lid and drain tap
- BJ158-40** SAP Dual, 1.15kW, with lid and drain tap

Analogue control, for Boiling

- BJ162-05** SBB Aqua 5 Plus, 1.5kW
- BJ162-12** SBB Aqua 12 Plus, 1.5kW
- BJ162-26** SBB Aqua 26 Plus, 2.0kW



BJ156 series, BJ152 are similar



BJ158 series