

Viscometer Heating Baths



Ultra precise temperature control with excellent visibility.



VB-40G

Standard accessories

- Stainless steel covers for holes on the top
- Cooling coil

Optional accessories

see page 29

- Viscometer tube holders
- Cooling Circulators

Performance

- Temperature range from ambient +5 °C to 150 °C.
- Microprocessor PID control / Automatic tuning / Calibration.
- Optimal temperature equilibrium achieved by a vane type stirrer with strong circulation power.

Convenience

- Easy readout digital LED displays.
(0.01 °C resolution at 0 to 99.9 °C / 0.1 °C resolution at 100 to 150 °C)
- Dual wait on/off timer modes. (1 min. to 99 hr. 59 min.)
- Convenient memory function of up to three frequently set temperature.
- Clear visibility provided by double tempered safety glass windows in front and rear sides.
- Operations at below or slightly above ambient temperature allowed by stainless steel cooling coil.
(for operation from 10 °C, use an optional cooling circulator)
- Ø 51 mm holes (for glass capillary viscometer tubes) and a Ø12.6 mm hole. (for a thermometer)
- RS-232 interface for external control and data collection.

Safety

- Isolated design of agitator, heater, and sensor by a baffle plate to minimize the turbulence in the bath fluid and also to protect users and samples against direct contact.
- Complete safety protection system with warning alarms.
- Low fluid level and dry-running, over-temperature, over-current.



Ideal for application requiring high visibility



Easy holding of U-shaped viscometer glass tubes (optional)

Model		VB-25G		VB-40G	
Bath volume (L / cu ft)		25 / 0.9		40 / 1.4	
Working temperature range ²⁾ (°C / °F)		Amb. +5 to 150 / Amb. +9 to 302			
Temperature stability ¹⁾ (± °C / °F)		0.05 / 0.09		0.1 / 0.18	
Dimension	Bath opening / depth (WxL, D) (mm / inch)	145x265, 330 / 5.7x10.4, 13		295x265, 330 / 11.6x10.4, 13	
	Cover lids / Hole for thermometer (mm)	5ea / Ø51, 1ea / Ø12.6		8ea / Ø51, 1ea / Ø12.6	
	Exterior (WxLxH) (mm / inch)	492x374x536 / 19.4x14.7x21.1		642x374x536 / 25.3x14.7x21.1	
Net weight (kg / lbs)		28 / 61.7		37 / 81.6	
Electrical requirements (230V)		60Hz, 13A		60Hz, 13A	
Cat. No.		AAH43301K		AAH43402K	

1) Technical data according to DIN 12876. (bath fluid : water at 50 °C)

2) If you want to operate the unit below Amb. + 5 °C, an optional cooling circulator is required.

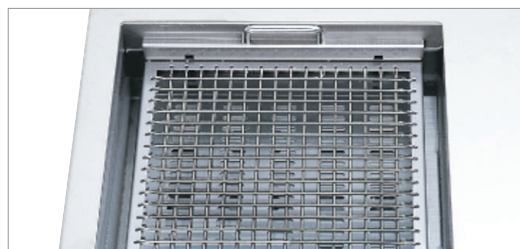
The lowest temperature when using an optional cooling circulator is +10 °C. For ordering information, see page 22 to 25.

* FDA establishment registered company. FDA listed products.

Spring wire racks

Ideal for holding a wide variety of tubes, flasks, and other glassware. All components are made of stainless steel.

Cat. No.	Suitable for
AAA45502	BW-10H / BW-10B
AAA45503	BW-20H / BW-20B
AAA41502	BW-10G
AAA41503	BW-20G
AAA51522	CW3-20/P / RW3-2025/P, 2040/P
AAA51523	CW3-30/P / RW3-3025/P, 3040/P



Spring wire racks (two tier rack with flexible crossed spring)

Half-shelf adjusters

Stainless steel perforated sample tray shelves with adjustable height support prevent leaks and guard against rust and contamination.

Cat. No.	Suitable for
AAA45511	BW-05H / BW-05B
AAA45512	BW-10H / BW-10B
AAA45513	BW-20H / BW-20B
AAA41551	BW-05G
AAA41552	BW-10G
AAA41553	BW-20G



Half-shelf adjusters

for Viscometer Heating Baths

Viscometer tube holders

Specially designed to hold a two-opening viscometer glass tube and made of Bakelite, renowned for its high thermal endurance.

Cat. No.	Suitable for
AAA43501	VB-25G (need max. 5 holders)
	VB-40G (need max. 8 holders)



Viscometer tube holders

Cooling circulators

The temperature range of viscometer heating baths can be lowered up to +10 °C (+50°F) when used with an optional cooling circulator.

Cat. No.	Description	Suitable for
AAH57051K	RW3-1025 (230V, 60Hz)	VB-25G (230V, 60Hz)
AAH57651K	RW3-1025P (230V, 60Hz)	
AAH57052K	RW3-1025 (230V, 50Hz)	VB-25G (230V, 50Hz)
AAH57652K	RW3-1025P (230V, 50Hz)	
AAH57061K	RW3-2025 (230V, 60Hz)	VB-40G (230V, 60Hz)
AAH57661K	RW3-2025P (230V, 60Hz)	
AAH57062K	RW3-2025 (230V, 50Hz)	VB-40G (230V, 50Hz)
AAH57662K	RW3-2025P (230V, 50Hz)	

* Refer to p.22 to 25 for more information on the cooling circulators.