

Oil Bath for Synthetic Experiments



BOG100/110/200/210 BOS100/110/200/210

Operating
temp. range

Room temp. +5~240°C
BOG Series

Room temp. +5~250°C
BOS Series

BOG100



BOS100



■ Operation and functions

- Safe and secure bath operation as controller can be safely operated from a distance
- Choice between glass oil bath for high visibility (BOG) or solid stainless oil bath for good temperature stability (BOS)
- Indent at the bottom of the bath allows integration of stirrer's hot plate. Also prevents bath from sliding or slipping off. Compatible with MFD800/MFH800 magnetic stirrers.
- Safety functions include independent overheat prevention device and heater guard
- Useless oil use and oil overflow are reduced as recommended amount of oil to use is indicated in the bath
- Highly accurate and rapid temperature control in the flask is possible with the use of the temperature sensor (optional) inserted into the flask and the in-tank sensor together
- Option for a triple system

■ Specifications

Model			BOG100/110	BOG200/210	BOS100/110	BOS200/210
Performance	Temperature setting range		0~260℃			
	Temperature control range		Room temp. +5~240℃		Room temp. +5~250℃	
	Temperature control accuracy		± 0.3℃ (at 200℃, when stirring)			
Controller	Temperature control system		PID control			
	Temp. setting/display method		Digital setting using ▲ ▼ keys (display in units of 1℃)			
	Operation function		Fixed temperature operation			
	Additional functions		Calibration offset function, auto resume, LED brightness setting			
	Heater circuit control		Triac zero cross method			
Configuration	Temperature sensor		Pt100Ω			
	Exterior		Chromium-free electrogalvanized steel plate baked finish			
	Bath		Hard transparent glass		Stainless steel	
	Heater material		Stainless steel tube heater			
	Heater capacity		310W	425W	310W	425W
Safety devices	Controller		Self-diagnostic functions (temperature sensor error detection, automatic overheat prevention)			
	Fuse		6.3 A, short-circuit protection, overcurrent protection			
	Others		Independent overheat prevention device			
Standards	Internal dimension (mm)		φ140×100	φ170×140	φ140×100	φ170×140
	External dimension (mm)		φ150×205×140	φ 180×235×180	φ 155×210×140	φ 185×240×180
	Bath capacity	Recommended (no load)	~0.8L	~1.7L	~0.8L	~1.7L
		Maximum (no load)	~1.0L	~2.2L	~1.0L	~2.2L
	Controller (W×D×H) mm		150×90×45mm			
	Power supply 50/60 Hz		115V 3.5A 220V 2.0A	115V 4.5A 220V 2.5A	115V 3.5A 220V 2.0A	115V 4.5A 220V 2.5A
	Weight	Bath and heater	~1.8 kg	~2.3 kg	~2.5 kg	~2.9 kg
		Single controller	~0.5 kg			
		Total weight	~2.3 kg	~2.8 kg	~3.0 kg	3.4 kg
Accessories			Heater guard (1 set), arbor (outer diameter φ12 x 90 mm: 1 pc.), PTFE stirrer (~ φ8 x 50 mm: 1 pc.), connector cap (1 pc.), tag attached cable ties (3)			



Remote use of controller



Controller



BOS200 triple system