

Heating Water Oil Bath| Water Oil Bath Circulator

(BESC Series| Ambient Temperature~300°C)



Product Description

BESC Series heating water oil bath by PID temperature control technology can reach high precision of temperature up to 0.05 °C. The temperature covers the ranges from ambient temperature to 300°C. With the circulating system, the water bath can let the heated liquid flow off from the tank and offer a secondary constant-temperature field. It is widely applied in research institutes, universities, corporate quality control departments and industrial sectors like petroleum, chemical engineering, electronic instruments, physics, chemistry, bio-engineering, medicine and health, life science, light industry and food, materials testing and chemical analysis etc. It can provide the user with a working environment where cold or heat was controlled accordingly.

Product Features

1. Wide temperature range: ambient temperature to 100°C, ambient temperature to 200°C, ambient temperature to 300°C according to your needs.
2. Suitable for both water and oil bath.
3. PID temperature control technology, the optional volatility is ± 0.05 °C.
4. High quality resistant stainless steel liner with volume from 5l to 160L is available.

5. The instrument is compact in structure and volume. It is suitable for operation on the experimental platform.
6. With internal and external circulation, the secondary thermostatic field can be established to extend the scope of application.
7. Big screen LCD display, easy to operate.
8. Over temperature protection system with alarm and automatic cut-off.
9. RS232 or RS485 communication interface is optional and can realize the remote control.
10. The inner groove can be equipped with lifting bracket to adjust the height of special experimental samples.

Application

The circulator oil bath is suitable for petroleum, chemical industry, electronic instrument, physics, chemistry, biological engineering, medicine and health, life science, light industry and food, physical property testing and chemical analysis and other research departments, colleges and universities, enterprise quality inspection and production departments. For example, the constant temperature of biochemical experiment or sample test, the measurement and calibration of thermometer and platinum resistance, supporting fermentation tank, polarizing apparatus, electrophoresis apparatus, photometer, chromatographic column, rotary viscometer, rotary evaporator, rheometer and so on.

Technical Specification

| Model | Temperature Range °C | Temperature Volatility °C | Tank Size (mm ³) | Pump Flow (L/min) | Volume (L) | Tank Cover Size (mm ²) |
|---------|----------------------|---------------------------|------------------------------|-------------------|------------|------------------------------------|
| BESC-5A | ambient~95 | 0.05 | 240×150×150 | Internal recycle | 5 | 180×140 |
| BESC-15 | ambient~100 | 0.05 | 280×250×200 | 6 | 15 | 235×160 |
| BESC-20 | ambient~100 | 0.05 | 400×330×150 | 6 | 20 | 310×280 |
| BESC-25 | ambient~100 | 0.05 | 280×250×300 | 4 | 21 | 235×160 |

| Model | Temperature Range °C | Temperature Volatility °C | Tank Size (mm3) | Pump Flow (L/min) | Volume (L) | Tank Cover Size (mm2) |
|----------|----------------------|---------------------------|-----------------|-------------------|------------|-----------------------|
| BESC-30 | ambient~100 | 0.05 | 400×330×230 | 6 | 30 | 310×280 |
| BESC-35 | ambient~100 | 0.05 | 400×330×260 | Internal recycle | 35 | 310×280 |
| BESC-40 | ambient~100 | 0.1 | 490×420×200 | Internal recycle | 40 | 400×380 |
| BESC-50 | ambient~100 | 0.1 | 520×320×300 | Internal recycle | 50 | 300×350 |
| BESC-70 | ambient~100 | 0.1 | 780×300×300 | Internal recycle | 70 | 600×300 |
| BESC-90 | ambient~100 | 0.1 | 980×300×300 | Internal recycle | 90 | 800×300 |
| BESC-160 | ambient~100 | 0.1 | 650×500×500 | Internal recycle | 160 | 500×500 |
| BEZC-18Q | ambient~100 | 0.05 | 320×275×200 | 6 | 18 | 250×230 |
| BEZC-22Q | ambient~100 | 0.05 | 495×295×150 | 6 | 22 | 395×285 |
| BESC-7A | ambient~200 | 0.05 | 240×195×150 | Internal recycle | 7 | 180×140 |
| BESC-15A | ambient~200 | 0.05 | 300×240×200 | Internal recycle | 15 | 235×160 |
| BESC-15B | ambient~200 | 0.05 | 300×240×200 | 5 | 15 | 235×160 |
| BESC-25A | ambient~200 | 0.05 | 280×250×300 | Internal recycle | 21 | 235×160 |
| BESC-20A | ambient~200 | 0.05 | 500×300×150 | Internal recycle | 22 | 310×280 |

| Model | Temperature Range °C | Temperature Volatility °C | Tank Size (mm3) | Pump Flow (L/min) | Volume (L) | Tank Cover Size (mm2) |
|-----------|----------------------|---------------------------|-----------------|-------------------|------------|-----------------------|
| BESC-20B | ambient~200 | 0.05 | 500×300×150 | 6 | 22 | 310×280 |
| BESC-30A | ambient~200 | 0.05 | 400×330×230 | Internal recycle | 30 | 310×280 |
| BESC-35A | ambient~200 | 0.1 | 400×330×260 | Internal recycle | 35 | 310×280 |
| BESC-40A | ambient~200 | 0.1 | 490×420×200 | Internal recycle | 40 | 400×380 |
| BESC-50A | ambient~200 | 0.1 | 520×320×300 | Internal recycle | 50 | 300×350 |
| BESC-70A | ambient~200 | 0.1 | 780×300×300 | Internal recycle | 70 | 600×300 |
| BESC-90A | ambient~200 | 0.1 | 980×300×300 | Internal recycle | 90 | 800×300 |
| BESC-160A | ambient~200 | 0.1 | 650×500×500 | Internal recycle | 160 | 500×500 |
| BESC-5D | ambient~300 | 0.1 | 240×150×150 | Internal recycle | 5 | 150×180 |
| BESC-10D | ambient~300 | 0.05 | 300×200×170 | Internal recycle | 10 | 200×200 |
| BESC-15D | ambient~300 | 0.05 | 300×200×250 | Internal recycle | 15 | 200×200 |
| GHC-15 | ambient~300 | 0.05 | 300×240×200 | Internal recycle | 15 | 235×160 |
| GHC-20 | ambient~300 | 0.05 | 400×330×150 | Internal recycle | 22 | 310×280 |
| GHC-25 | ambient~300 | 0.05 | 280×250×300 | Internal recycle | 21 | 235×160 |

| Model | Temperature Range °C | Temperature Volatility °C | Tank Size (mm3) | Pump Flow (L/min) | Volume (L) | Tank Cover Size (mm2) |
|--------|----------------------|---------------------------|-----------------|-------------------|------------|-----------------------|
| GHC-30 | ambient~300 | 0.05 | 400×330×230 | Internal recycle | 30 | 310×280 |
| GHC-40 | ambient~300 | 0.1 | 490×420×200 | Internal recycle | 40 | 400×380 |
| GHC-50 | ambient~300 | 0.1 | 490×420×250 | Internal recycle | 50 | 400×380 |

Service

1. 12 months warranty for thermostatic water bath.
2. Technical support is also available timely.
3. Reply your enquiry within 24 working hours.
4. OEM is available if the quantity is large.
5. Package and shipping worldwide.