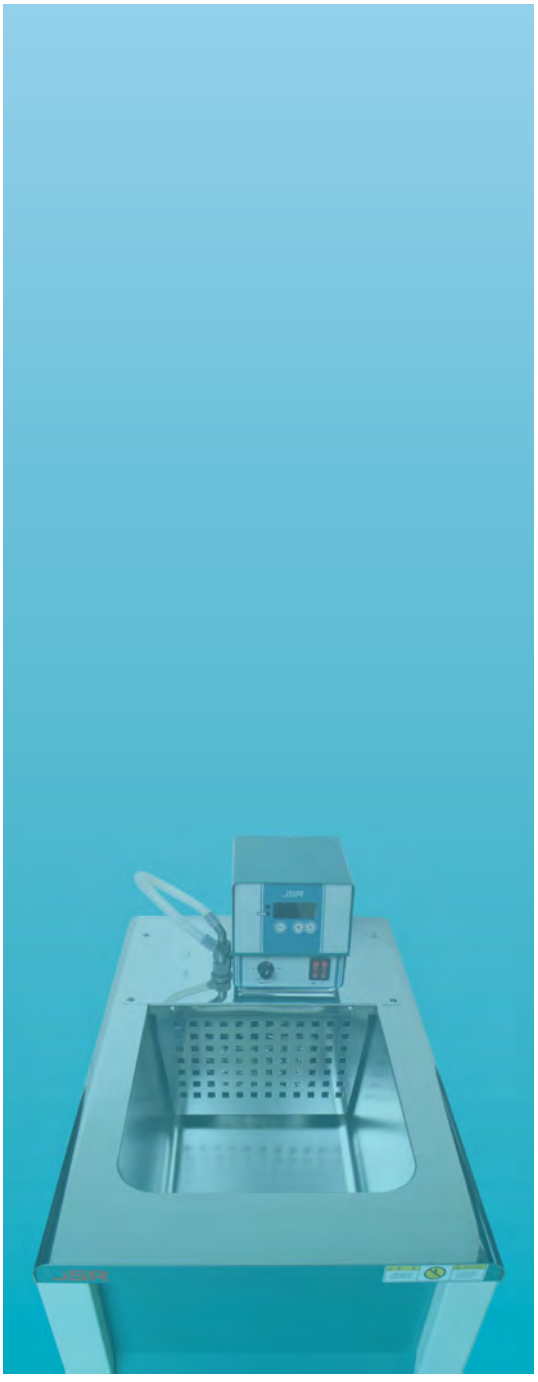
BATHS



JSR

(주) 제이에스리서치
JS Research Inc.

Laboratory
WATER BATH

JSWB-Series
Heated Bath



- amb. +5 °C ~ 80 °C (99 °C)
- Constant Temperature
- Timer On / Off

MODEL	CAPACITY	TEMPERATURE	ACCURACY
JSWB-06T(L)	6 L	JSWB-TL amb. + 5 °C ~ 80 °C JSWB-T amb. + 5 °C ~ 99 °C	± 0.1 °C
JSWB-11T(L)	11 L		
JSWB-22T(L)	22 L		
JSWB-30T(L)	30 L		

JSOB-Series
Digital Oil Bath



- amb. +10 °C ~ 250 °C
- Constant Temperature
- Timer On / Off

MODEL	CAPACITY	TEMPERATURE	ACCURACY
JSOB-100T	11 L	amb. + 10 °C ~ 250 °C	± 1.0 °C
JSOB-200T	20 L		
JSOB-300T	33 L		

JSVB-Series
Visco-Sight Bath



- amb. +5 °C ~ 99 °C
- Constant Temperature
- Timer On / Off
- Glass Window
- Internal Circulation

MODEL	CAPACITY	TEMPERATURE	ACCURACY
JSVB-30T	31 L	amb. + 5 °C ~ 99 °C	± 0.1 °C

JSEB-Series
Extraction Bath



- amb. +5 °C ~ 99 °C
- Constant Temperature
- Timer On / Off
- 6 to 10 Multi-Extraction Ports

MODEL	CAPACITY	TEMPERATURE	ACCURACY
JSEB-60T	6 Ports	amb. +5 °C ~ 99 °C	± 0.5 °C
JSEB-62T	2 x 3 Ports		
JSEB-82T	2 x 4 Ports		
JSEB-102T	2 x 5 Ports		

JSIB-Series
Circulation Bath



- amb. +5 °C ~ 99 °C
- Constant Temperature
- Timer On / Off
- Internal and external Circulation Pump
- Flow Rate : 8 L/min
- Pressure : 0.3 bar

MODEL	CAPACITY	TEMPERATURE	ACCURACY
JSIB-11T	11 L	amb. +5 °C ~ 99 °C	± 0.1 °C
JSIB-22T	22 L		
JSIB-50T	48 L		
JSIB-100T	100 L		

JSRC-C(L) Series
Refrigerated Circulation Bath



- - 20 (- 40) °C ~ 120 °C
- Constant Temperature
- Timer On / Off
- Internal and external Circulation Pump
- Flow Rate : 10 L/min
- Pressure : 0.5 bar

MODEL	CAPACITY	TEMPERATURE	ACCURACY
JSRC-06C(L)	7 L	JSRC-C -20 °C ~ 120 °C	± 0.1 °C
JSRC-13C(L)	11 L		
JSRC-22C(L)	20 L	JSRC-CL	
JSRC-30C(L)	30 L	-40 °C ~ 120 °C	

JSCT-Series JSTC-Series
Ulta-Low Cold Trap Bath



- Minimum Temperature -25 °C ~ - 85 °C
- On/Off Temperature Control

MODEL	CAPACITY	MINIMUM TEMPERATURE
JSCT-25C	7.2 L	- 25°C
JSCT-55ULT		- 55 °C
JSCT-85ULT		- 85 °C
JSTC-55ULT	2.8 L	- 55 °C
JSTC-85ULT		- 85 °C

JSSB-Series
Shaking Water Bath



- amb. +5 °C ~ 99 °C
- Constant Temperature
- Timer On / Off
- Shaking Speed 20 ~ 120 rpm
- 25 mm stroke reciprocal motion

MODEL	CAPACITY	TEMPERATURE	ACCURACY
JSSB-30T	30 L	amb. +5 °C ~ 99 °C	± 0.2 °C
JSSB-50T	50 L		

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Controller

JSC-0D [BASIC]



- ±0.1 ℃ Digital PID Controller with automatic START/STOP timer max. 99min 59sec / 99hr 59min / 99day 23hr
- Digital LED displays operating status such as TEMP and remaining TIME
- Temperature calibration
- Auto-tuning function
- Class A Pt-100 Ω sensor
- Audio Visual Alarms

- 정밀한 PID 콘트롤러는 온도를 ±0.1 ℃ 단위로 제어
- 예약 / 정지 타이머 내장 99분59초/99시간59분/99일23시간
- 온도 보정, 오토튜닝 기능 내장
- Class A Pt-100 Ω 온도센서
- 안전한 작동을 위한 다양한 시청각적 알람

JSC-7S Controller for Shaking Water Bath

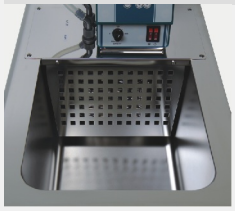


- Integrated Digital PID Controller
- Temperature control with ±0.1 ℃
- Shaking speed control within ±1 rpm
- Automatic STOP timer Max. 99min 59sec / 99hr 59min / 99day 23hr
- Dual digital LED displays TEMP, RPM and remaining TIME
- Temperature calibration
- Shaking speed calibration
- Slow Start and Stop Control
- Auto-tuning function
- Class A Pt-100 Ω sensor

- 온도, 속도, 타이머 통합제어 PID 콘트롤러
- 온도제어 정밀도 : ±0.1 ℃
- 교반속도 제어 정밀도 : ±1 rpm
- 타이머 설정 최대 99분 59초/99시간 59분 /99일 23시간
- 현재온도, 교반속도, 잔여시간 디스플레이
- 온도 및 속도 보정 기능
- 작동 시 가속 및 감속 속도 제어
- 오토튜닝 기능 내장
- Class A Pt-100 온도센서

Performance & Convenience

Construction



- Durable epoxy powder coated metallic casing
  High quality stainless steel 304 bath
- 내구성이 뛰어난 에폭시 분체 도장과 스테인레스 스틸 304 배스

Seamless Bath



- Easy to clean Electro-Polished seamless SUS304 Bath with perforated stainless steel bottom plate
- 부식에 강한 전해 연마 처리된 Stainless Steel (SUS304) 배스는 코너에 이음새가 없어 세척과 유지보수가 간편

Lids



- Stainless steel flat cover to help reduce heat losses and evaporation
- 온도유지와 물의 증발을 방지하기 위한 커버

Circulation Pump



- Stainless Steel or magnetic driven pump for internal and external circulation of bath fluid
- Stainless Steel 또는 Magnetic Pump는 용액을 내부 또는 외부로 순환

Safety

- **DUAL OVER TEMP. CUT-OFF**
  1) Digital system cut-off heater and AUDIO VISUAL ALARM in case +2°C above set temperature
  2) Analog system cut-off heater 10% above set temp.
- **MAX TEMP CUT-OFF** heater and AUDIO VISUAL ALARM when if +1°C above maximum limit
- **SENSOR DISCONNECTION ALARM**
- **LOW WATER LEVEL SENSOR** (Specific models only)
- **OVER CURRENT CUT-OFF :** Electrical Leakage Breaker or Fuse

- **이중과열방지장치**
  1) 설정온도 +2 °C 초과 시 히터 차단 및 시청각알람
  2) 콘트롤러 오류로 지정 온도 10% 초과 시 히터차단
- **최고온도알람기능** : 작동 한계온도+1°C 초과시 히터 차단
- **센서단락알람**
- **저수위감지센서** (일부모델)
- **누전차단기 (퓨즈)** : 전기누설 시 주전원 차단

Drain



- Drain for easy emptying of bath fluid
  [Depends model]
- 배수용 드레인 밸브 장착 **[일부모델]**

Maintenance



- Easy to maintain refrigeration system
- 편리한 유지보수

제품상담 : 041-856-3677 Sales : +82-41-856-3677 info@jsresearch.co.kr

Cold Trap

TABLETOP

ULTRA LOW TEMPERATURE VAPOR REMOVAL for Vacuum Applications



ULT Tabletop Cold Trap Bath

JSTC-Series Tabletop ULT Cold Trap Bath collect evaporated liquid from vacuum application by providing freezing temperature -55℃ or -85℃ to condensates and removes vapour or moisture being evacuated in the vacuum line to protect the vacuum pump and the laboratory environment from the harmful effect of vapours, fumes and corrosives.

The Traps may also be used in other laboratory applications such as freeze drying, vacuum concentrator, vacuum centrifuge or desiccation.

Specifications

Cooling	ULT Technology CFC Free Air Cooled Compressor
Temp. Range	- 55.0 ℃ (JSTC-55ULT)
	- 85.0 ℃ (JSTC-85ULT)
Control	Digital ON/OFF Controller
Sensor	Class A Pt-100 Ω Sensor
Safety	Over Current Cut-Off
Material	Body : Epoxy Powder Coated Steel
	Bath : Seamless Stainless Steel 304
Electric	220 ± 10% VAC 50/60Hz 1-Phase
Plug config.	 or 

CEE 7/7 Schuko BS 1363

Control Accuracy

- ±2.0 ℃ Digital ON/OFF Control
- Temperature calibration
- Class A Pt-100 Ω sensor

- 디지탈 콘트롤러는 ±2.0 ℃ 범위에서 냉동기를 ON/OFF 제어
- 온도보정 기능 내장
- Class A Pt-100 Ω 온도 센서

- Cold Trap
- Ultra-Low -55 ℃ or -85 ℃
- Digital Temperature On/Off Controller

JS Research Inc.
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Performance

- Durable epoxy powder coated metallic casing
- Corrosion resistant seamless stainless steel 304 bath with cooling coil
- Transparent bath cover to hold glass trap and easy to check condensate level of trap
- Minimum temperature down to -85.0 ℃

- 내구성이 뛰어난 에폭시 분체 도장 본체
- 내부식성이 뛰어난 스테인레스 스틸 (SUS304) 재질의 배스와 냉각코일
- 투명 아크릴 재질의 배스 뚜껑은 유리 트랩을 설치할 수 있고 트랩에 응축된 상태를 손쉽게 관찰할 수 있음
- 최저 냉각 온도 -85.0 ℃

Safety

- SENSOR DISCONNECTION ALARM
- OVER CURRENT CUT-OFF FUSE

- **센서단락알람**
- **누전차단퓨즈** : 전기 누설 시 주전원 차단

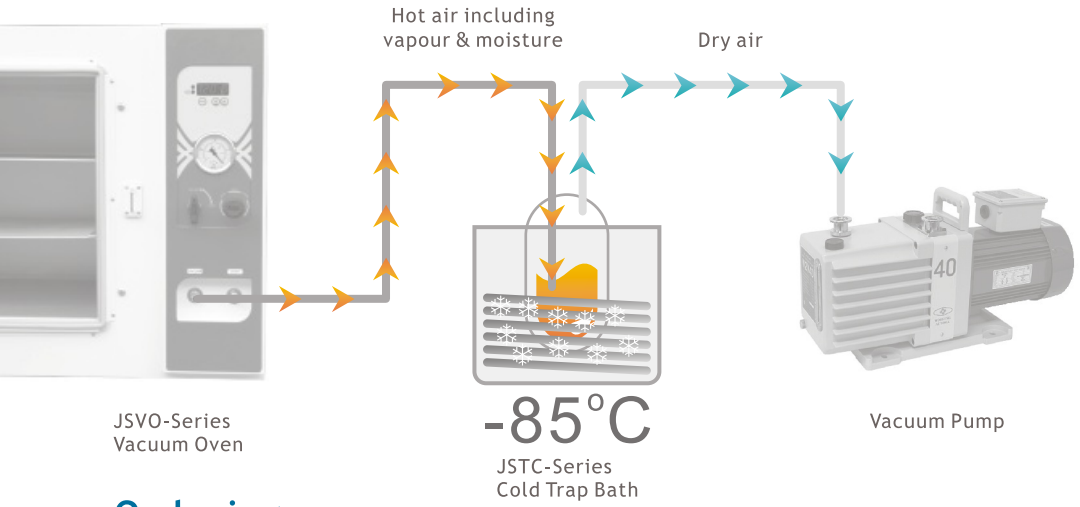
Convenience

- Easy to clean seamless Stainless Steel 304 Bath
- Supplied with removable transparent acrylic bath cover to hold glass trap
- Dust accumulation in refrigeration system is easily cleaned by means of an removable venting grill

- 부식에 강한 Stainless Steel(SUS304) 배스는 세척과 유지 보수가 간편
- 투명 아크릴 재질의 트랩 설치용 배스 커버 포함
- 냉동응축기에 발생하는 먼지를 손쉽게 제거할 수 있도록 설계

Accessories

Art No.	Descriptions
	Vacuum Pump
W2V10	Rotary Vane Vacuum Pump 100L/min 5x10^{-4} Torr Woosung 220VAC
OHG-001	**Glass Trap**



Ordering Information

	JSTC-55ULT	JSTC-85ULT
Bath Volume (Capacity)	2.8 L	
Dimensions Inner	110 x 110 x 230	
W x D x H mm Outer	380 x 560 x 520	
Temperature Range	- 55.0 ℃ / 20 min.	- 85.0 ℃ / 60 min.
Accuracy at -40.0℃	± 2.0 ℃	± 2.0 ℃
Refrigeration System	CFC Free Air Cooled Compressor	
Power Rating	3.1 Amp	4.1 Amp
Power Plug	CEE 7/7 Schuko	

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