

Technical datasheet

Circulating Laboratory Oil Bath Series

Temperature-controlled oil baths with internal and external circulation for laboratory heating up to 300 °C. Select the chamber size and controller accuracy for the application.



Image shows PT-WBA-021 with LCD controller. Other models differ in chamber size and display type.

Key features

Internal circulation and external heating connections

Temperature indication correction

Pump flow ≥ 8 L/min

Standard Configuration

Bath with stainless steel chamber, temperature controller, insulated housing and circulation pump. Display type depends on the model.

Optional Accessories

Heating fluid, external hoses and vessel accessories are not identified as included. Confirm compatible fluid, tubing and the final delivery list when requesting a quote.

Technical Information

Parameter	Value
Temperature range	Ambient to 300 °C
Pump flow	≥8 L/min
External ports: OD / ID (mm)	10 / 8
Electrical supply	220 V / 50 Hz

Technical Information

Model	Temperature accuracy	Temperature fluctuation	Temperature uniformity	Display
PT-WBA-015	±0.1 °C	±0.1 °C	±0.1 °C	LED
PT-WBA-019	±0.01 °C	±0.05 °C	±0.03 °C	LCD
PT-WBA-020	±0.1 °C	±0.1 °C	±0.1 °C	LED
PT-WBA-021	±0.01 °C	±0.05 °C	±0.03 °C	LCD
PT-WBA-022	±0.1 °C	±0.1 °C	±0.1 °C	LED
PT-WBA-023	±0.01 °C	±0.05 °C	±0.03 °C	LCD

Model	Heating power	Opening (mm)	Chamber dimensions (mm)	External dimensions (mm)
PT-WBA-015	1500 W	200 × 180	400 × 280 × 180	460 × 400 × 350
PT-WBA-019	1500 W	200 × 180	400 × 280 × 180	460 × 400 × 350
PT-WBA-020	1800 W	200 × 180	400 × 300 × 250	460 × 420 × 420
PT-WBA-021	1800 W	200 × 180	400 × 300 × 250	460 × 420 × 420
PT-WBA-022	1800 W	250 × 180	400 × 350 × 350	460 × 420 × 520
PT-WBA-023	1800 W	250 × 180	400 × 350 × 350	460 × 420 × 520

Selection / Ordering Information

Specify the model, operating temperature, external vessel and required electrical supply. Confirm fluid suitability, tubing compatibility and operating limits before ordering.