

FSB-200 Series

Compact Precision Fluidized Sand Baths



Fast heat-ups and accurate temperature control to 600°C

The Cole-Parmer FSB-200 range of compact fluidized baths offers a safer alternative to the dangers associated with high temperature oil and salt baths.

These units are designed to be bench or floor standing and only require an electrical and air supply for operation. Air passes through the mass of the aluminum oxide (alundum) particles via a porous plate in the base of the unit separating the individual particles and suspending them in free air, giving the properties of a liquid bath.

Heaters are fitted within the bath which allows temperatures of 500 °C to 600 °C to be maintained. Both models in the FSB-200 range feature a stainless steel inner container insulated from the outer wall, a safety air pressure switch to protect against loss of air pressure and also a thermal cut-out.

It is highly recommended that the FSB-200-TC-S (01184-50) or FSB-200-TC-L (01184-55) temperature control unit is used in conjunction with these baths, greatly improving temperature stability and accuracy.

To replace alundum lost through normal operation and removal of items from the bath accept no other substitute as performance and functionality cannot be guaranteed with third party suppliers.

FEATURES

- Dry, inert, non-toxic aluminum oxide ensures hazard-free operation
- Safer alternative to high temperature oil and salt baths
- Requires controller (01184-50) in order to be calibrated
- Heats up from 20 °C to 600 °C in 60 minutes
- 3 year warranty

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Cole-Parmer®
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*Enquiries from Germany and France are now handled in our St Neots office by native speaking experts.

Specifications

Specifications	FSB-200-120, FSB-200-240	FSB-200-D
Temperature Range	50 °C to 500 °C	50 °C to 600 °C
Temperature Stability	±1.0 °C at 50 °C	±1.0 °C at 50°C
Heat Up Time 20 °C to Maximum	60 minutes	105 minutes
Cool Down Time Maximum to 200 °C	180 minutes	330 minutes
Air Pressure kPa (psi)	21 (3)	21 (3)
Maximum Flow	57 L/min.	57 L/min.
Nominal Heater Power at 240 VAC	1500 watts	4000 watts
Weight of Medium Required	9 kg	32 kg
Working Volume (Diameter x Depth)	17.8 x 14.0 cm	22.8 x 35.0 cm
Diameter (excluding tap) x Height	33.5 x 46.2 cm	38.5 x 69.5 cm
Shipping Weight	24 kg	59 kg
Warranty	3 years	3 years

Ordering Information

Description	Series Number	Model Number	Legacy SKU	Item Number
Compact precision fluidized sand bath, 500 °C, including overspill flange but excluding alundum, 120 VAC, 50/60 Hz	FSB-200	FSB-200-240	F932P	01184-00
Compact precision fluidized sand bath, 500 °C, including overspill flange but excluding alundum, 240 VAC, 50/60 Hz	FSB-200	FSB-200-120	F932D	01184-02
Compact precision fluidized sand bath, 600 °C, including overspill flange but excluding alundum, 240 VAC, 50/60 Hz	FSB-200	FSB-200-D	F946D	01189-50