Cole-Parmer®

Cole-Parmer® Precision Fluidized Baths - FSB-200-120, FSB-200-240, FSB-200-D

- Dry, inert, nontoxic 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 to 600°C in 60 minutes



Precision Fluidized Bath FSB-200-240

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Fluidised Bath FSB-200D

Cole-Parmer® Precision Fluidized Baths - FSB-200-120, FSB-200-240, FSB-200-D

The Cole-Parmer® FSB-200 range of 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 aluminium 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 allow 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 and FSB-200-TC-L temperature control unit is used in conjunction with these baths, greatly improving temperature stability and accuracy. refer to FSB-200-TC-S and FSB-200-TC-L Temperature Controllers dedicated sell-sheet.

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.

Technical Specification

Specification	FSB-200-120/FSB-200-240	FSB-200-D
Temperature range	50°C to 700°C	50°C to 700°C
Dead Bed	-	±0.01°C
Short Term Temperature stability at 50°C	±0.2°C	±0.2°C
Short Term Temperature stability at 600°C	±0.3°C	±0.3°C
Long Term Temperature stability at 50°C	±0.5°C	±0.5°C
Long Term Temperature stability at 600°C	±0.5°C	±0.5°C
Display resolution	°C	°C
Type of control	3 term PID	3 term PID
Sensor type	K type thermocouple	K type thermocouple
Heat up time 20°C to 700°C	105 minutes	105 minutes
Cool down time 700°C to 200°C	165 minutes	165 minutes
Air pressure kPa (psi)	420 (60)	420 (60)
Maximum flow Litresminute	127	127
Nominal heater power at 240V (W)	3000	3000
Weight of medium	16	16
Working volume Diameter x depth (mm)	165 x 385	165 x 385
Overall size L x W x H (mm)	770 x 515 x 600	870 x 515 x 600
Net weight	76 kg	84 kg

Ordering Information

Description	Ordering Number	Series No.	Model No.	Legacy Sku.
Cole-Parmer® Precision Fluidized Bath 500˚C including overspill flange but excuding alundum -25 kg, 120V 50/60 Hz	01184-00	FSB-200	FSB-200-240	F932P
Cole-Parmer® Precision Fluidized Bath 500˚C including overspill flange but excuding alundum -25 kg, 240V 50/60 Hz	01184-02	FSB-200	FSB-200-120	F932D
Cole-Parmer® Precision Fluidized Bath 600˚C including overspill flange but excuding alundum -25 kg, 240V 50/60 Hz	01189-50	FSB-200	FSB-200-D	F946D

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