

Fluidized Sand Bath Temperature Probe Calibrators



FSB-4, \$4693,
smaller than
actual size.

FSB-4
\$4693
130 lb capacity

Specifications

Temperature Stability: $\pm 1^{\circ}\text{C}$ ($\pm 2^{\circ}\text{F}$)
Temperature Uniformity: 0.5°C (0.9°F)
Air Pressure: 3 psi (20 kPa)
Air Flow: 2 to 4 cf/m (66 L/m)



FSB-3, \$3273,
smaller than
actual size.

FSB-3
\$3273
51 lb capacity



OMEGACARESM extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARESM covers parts, labor and equivalent loaners.

- ✓ 2 Temperature Ranges:
50 to 350°C (122 to 662°F)
50 to 600°C (122 to 1112°F)
- ✓ Safe, Clean, Dry Heat
- ✓ Burnout Protection
- ✓ Stainless Steel Containers
- ✓ Inconel[®]-Sheathed Immersion Heaters
- ✓ Built-In Pressure Switch and Overload Fuse
- ✓ Rugged, Heavy Duty, Accurate
- ✓ Spill Flanges Standard on All Models

FSB-2
\$2727
65 lb capacity



**See Sand and
Bath Accessories
on K-43.**

FSB-2, \$2727,
smaller than
actual size.

When fluidized solids are heated, heat is distributed quickly and evenly throughout the bath and transferred rapidly to objects submerged in the bath. The bath temperature can be adjusted easily to the point at which you wish to calibrate or run a test.

Fluidized baths for laboratories and instrument shops provide safe, rapid heat transfer and accurate temperature control, enabling you to efficiently and safely calibrate and maintain temperature-sensitive instruments.

The principle of fluidization occurs when a gas—usually low-pressure air or nitrogen—flows upward through a partially filled chamber or retort of dry, inert particles of aluminum oxide. The gas flows at a low velocity, which sets the particles in motion, separates them, then suspends them to a stable level, giving them a turbulent appearance similar to that of boiling liquid.

Besides circulating and flowing like a liquid, fluidization solids exhibit excellent heat transfer characteristics.



XCIB Series, shown
smaller than actual
size, see page A-34.

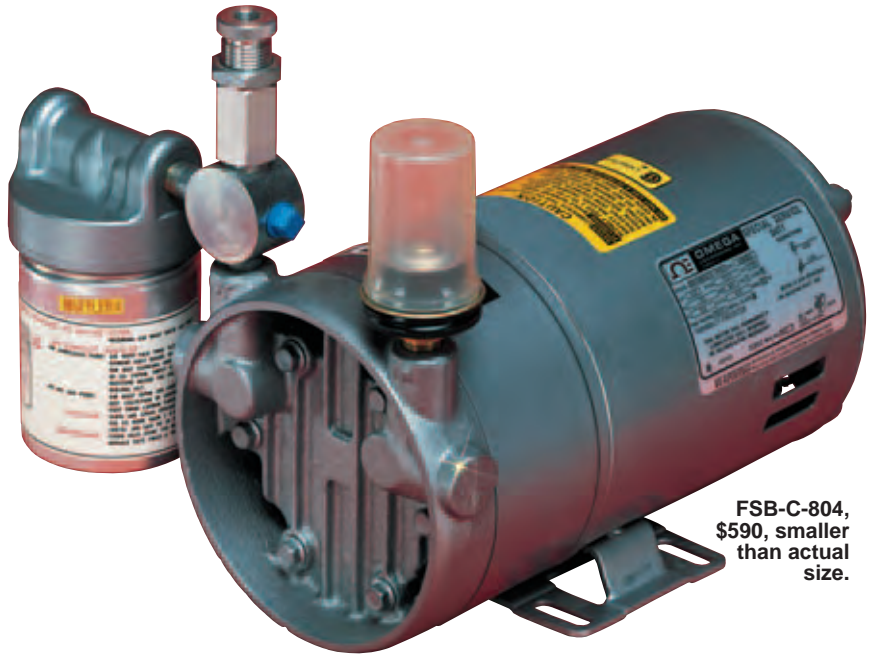
FSB-P-783,
\$180, smaller
than actual
size.



FSB-P-783
\$180

Pressure Regulator

Reduces the pressure of air from air line to suit the fluidized bath. The Regulator is supplied with a pressure gauge reading from 0 to 30 psi and a built-in air filter.



FSB-C-804,
\$590, smaller
than actual
size.

FSB-C-804
\$590

Air Compressor

For those who do not have a convenient air line, this oil-less unit with self-lubricating carbon vanes provides the proper air supply to fluidize the laboratory units.

Accessories

Model No.	Price	Description
FSB-A-20	\$136	Replacement sand (20 lb aluminum oxide)
FSB-A-34	202	Replacement sand (34 lb aluminum oxide)

Recommended Reference Book: Electric Machinery Fundamentals, PE-1409, \$134. See Section Y for Additional Books



AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

Model No.	Price	Temperature Range	Working Volume Dia. x Depth	Overall Volume Dia. x Height	Power
FSB-2	\$2727	50 to 350°C (122 to 662°F)	229 x 114 mm (9.0 x 4.5")	292 x 470 mm (11.5 x 18.5")	117* Vac (Two 1 kW heaters)
FSB-3	3273	50 to 600°C (122 to 1112°F)	178 x 139 mm (7.0 x 5.5")	330 x 457 mm (13 x 18")	117* Vac (Two 750 W heater)
FSB-4	4693	50 to 600°C (122 to 1112°F)	229 x 381 mm (9.0 x 15.0")	381 x 660 mm (15 x 26")	240 Vac (Four 1 kW heaters)

* Also available with 240 Vac input power. Add suffix "-240" to model number, no additional charge.

Comes complete with flange, bath, aluminum oxide sand and operator's manual.

Ordering Examples: FSB-2, 65 lb fluidized sand bath, \$2727.

OCW-2, OMEGACARESM extends standard 2-year warranty to a total of 4 years (\$250), \$2727 + 250 = \$2977.

FSB-3, 51 lb fluidized sand bath, \$3273.

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