# Accurate Thermal Systems
# Fluidized Temperature Baths

## APPLICATIONS

Nitinol shape setting

General heat treatment of devices & materials

Temperature sensor and system calibration

Heating of reactors

Thermal analysis of circuits & components

## BENEFITS

Large working volume – 7.3” diameter by 12” and 24” depth

4000 and 6200 watt heat capacity

Stability and uniformity better than 0.3C throughout operating range

Designed and manufactured in USA

CE marked

## Model FTBSL
## Fluidized Temperature Bath


- Fully automatic Fluidizing air control
- Advanced 4 temperature zone PID controller
- Cover and lid design that controls and minimizes media loss
- Independent over-temperature limit protection
- Included RS485 computer interface with Windows PC control and scheduling software
- Optional interface for control from any PC on the corporate network or internet

With over 25 years of experience with Fluidized Bath technology we have developed a range of products that offer outstanding performance, safety, features and value that are unmatched. Unlike competing Fluidized baths our systems have a smaller footprint, include advanced features and cost thousands of dollars less and are much safer than salt baths with thermal response that is 2 to 3 times faster than ovens.

Fluidized Temperature Baths have been the heat source of choice for over 20 years by many leading Fortune 500 medical device manufacturers and research companies who require fast heat up of their immersed devices and materials with minimal quenching.

Accurate Thermal Systems

Unique Solutions for Thermal Applications

**PH: 609-326-3190**

# MODEL FTBSL12 & FTBSL26

## WHAT'S INCLUDED

-Fluidized Bath
-100 pounds of media
-Bath cover and Lid
-RS485 interface, cable and software
-Instruction manual

## WHAT DO I NEED TO RUN THE SYSTEM

-240 VAC mains, 50/60hz - 20 amp supply (FTBSL12)
-30 amp supply (FTBSL26) - Clean dry air supply at a fixed 40 PSI, max flow of 3.5 CFM

## WINDOWS SOFTWARE

The AccuTherm FTB software allows the bath to be operated automatically on a weekly schedule with daily set temperatures and nightly down for operational efficiency and energy savings. The operating setpoint can be changed at any time from the PC.

## SERVICES AVAILABLE

-Technical support
-Application support
-Installation and setup
-Maintenance

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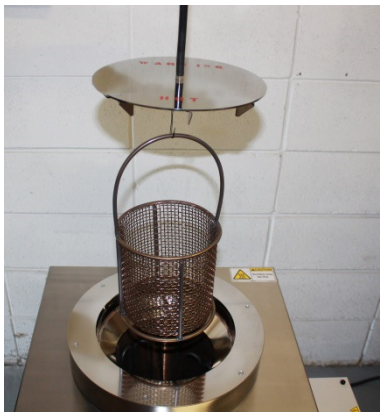
# Features and Specifications

Accurate Thermal Systems have developed an innovative cover and lid system that prevents media from escaping out of the bath opening keeping the operating area cleaner and media loss to a minimum. Media is either blocked by the lid or collected on the cover flange which drops back into the system.

The lid that is placed onto the cover contains a handle that is elevated above the lid away from heat. The lid can be readily modified by customers to suspend devices or apparatus for immersion of devices into the bath or can be used with a parts basket. Thermo- wells can also be added for calibration of temperature sensors and systems.



## Specifications

| | FTBSL12 | FTBSL26 |
|---|---|---|
| Temperature range | 50 to 605°C | |
| Working volume, inches | 7.25 x 12 | 7.25 x 24 |
| Typical stability at 500°C | ±0.3 | ±0.5 |
| Calibrated accuracy - | ±3.0 | ±3.0 |
| Heat up time to 600°C, 240V supply | 150 minutes | 180 minutes |
| Cool down time – max to 200°C | 150 minutes | 210 minutes |
| Power – 240 V, single phase, 50/60 hz. | 4000 watts | 6200 watts |
| Air pressure & flow required, max | 40 PSI, 3.5 CFM | |
| Overall footprint, H x W x D - inches | 27 x 24 x 21 | 41 x 24 x 21 |
| Total weight with aluminum oxide | 210 lbs | 320 lbs |
| Warranty | 1 year | |
| Windows PC software | Included | |
| Catalog number | ATS2012 | ATS2014 |
| Recommended spare lid | ATS1040 | ATS1040 |
| 100 pound pail of Aluminum oxide | ATS1027 | |
| USB to RS485 converter & Cable | Included | |

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