

# ACCURATE THERMAL SYSTEMS FLUIDIZED TEMPERATURE BATHS

## APPLICATIONS

Thermal cleaning of small  
Extrusion tooling and  
Polymer Rheometer and  
Melt Flow Indexer parts

Nitinol stent shape setting

Temperature sensor and  
system calibration

Reactor Heating

General heat treatment of  
devices & materials

## BENEFITS

Compact working volume –  
5.3" diameter by 6" depth

Portable – only 45 lbs with  
aluminum oxide

Flexible lid for immersing  
parts basket and  
temperature probes for  
calibration

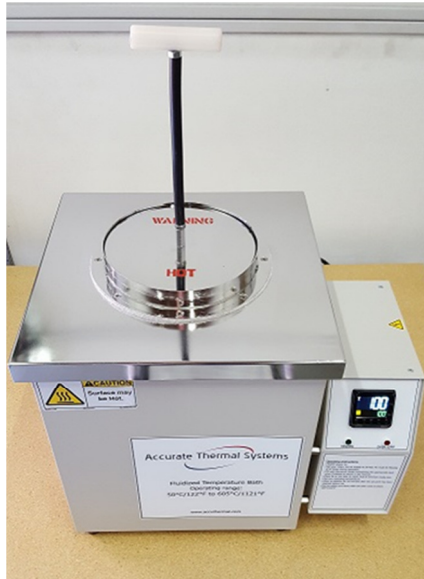
1900 watt heat capacity

Excellent stability, uniformity  
& accuracy

Designed and manufactured  
in USA

CE marked

## MODEL FTBSL6 LABORATORY FLUIDIZED TEMPERATURE BATH



- Fully automatic Fluidizing air control
- Cover and lid design that minimizes media loss
- Independent over-temperature limit protection
- Fast heat up
- Compact size for placement on standard lab benches
- RS485 interface for PC connection & downloadable Windows software

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. They 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 Plastics and Medical Device manufacturers as well as companies who require fast heat up of their immersed devices, sensors and materials with minimal quenching.

**Accurate Thermal Systems**

Unique Solutions for Thermal Applications

**PH: 609-326-3190**

# MODEL FTBSL6 FLUIDIZED TEMPERATURE BATH

## FEATURES AND SPECIFICATIONS

### WHAT'S INCLUDED

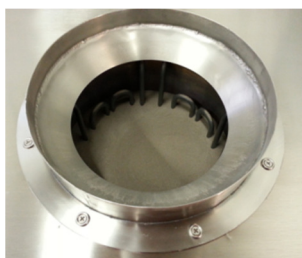
- Fluidized Bath
- 20 pounds of media
- Bath cover and Lid
- Instruction manual

### WHAT DO I NEED TO RUN THE SYSTEM

- 120 VAC mains, 50/60hz - 20 amp supply or 240 VAC mains, 50/60hz 10 amp supply
- Clean dry air supply at a fixed 30 PSI, max flow of 1.8 CFM

### SERVICES AVAILABLE

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



Unique bath cover and lid design that minimizes media loss. Media is either blocked by the lid or collected on the cover flange which then drops back into the system.

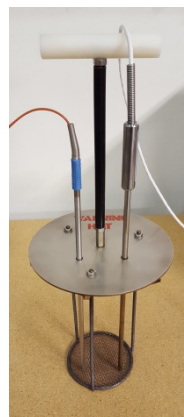
The included lid with handle is lowered into the Fluidized Bath for cleaning parts, heat treating or calibrating temperature sensors as shown.

An eyelet is added to the lid for suspending an optional basket for parts cleaning or device heat treatment.

The optional probe support will suspend temperature sensors and thermometers into the Fluidized Bath for calibration. The probe holder immersion depth can be adjusted for added flexibility. Drill holes into the lid for the diameters you require.

The lid is easily modified for immersing apparatus, assemblies and small reactors for heating.

Bath Lid with Probe support



Bath Lid with Parts Basket

### FTBSL6 Specifications

Temperature range	50 to 605°C	
Working volume	5.3" dia x 6" depth (134mm x 152mm)	
Typical stability thru operating range	±0.3°C	
Dead bed stability (5 minute period)	±0.04°C	
Calibrated accuracy	±2.0°C	
Heat up time to 600°C from ambient	70 minutes	
Cool down time – 600 to 200°C	130 minutes	
Heater Power – 1 phase, 50/60 hz	1920 watts	
Air pressure & max flow required	30 PSI, 1.8 CFM (2.1 bar, 50 lpm)	
Overall footprint, H x W x D	15"x17"x13" (381mm x 432mm x 330mm)	
Total unit weight with aluminum oxide	45 lbs (20kg) (unit only 32 lbs, 14.5kgs)	
Warranty	1 year	
Catalog number	ATS2016– 120VAC	ATS2018 -240 VAC
Recommended spare lid	ATS1078	
Parts Basket – 3.0" ID x 4.6" depth, 1.5 lbs max capacity	ATS1080	
Parts Basket – 3.8" ID x 2.4" depth, 1.5 lbs max capacity	ATS1089	
20 pound box of Aluminum oxide	ATS1076	
Probe support – 4" OD x 6" depth	ATS3082	

**Accurate Thermal Systems**

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