

ACCURATE THERMAL SYSTEMS FLUIDIZED TEMPERATURE BATHS

APPLICATIONS

Thermal cleaning of small
Extrusion tooling,
Rheometry and Melt Flow
Indexer parts

Nitinol 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 FLUIDIZED TEMPERATURE BATH



- Fully automatic Fluidizing air control
- Cover and lid design that controls and minimizes media loss
- Independent over-temperature limit protection
- Fast heat up
- Compact size for placement on standard lab benches

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

MODEL FTBSL6

FLUIDIZED TEMPERATURE BATH

WHAT'S INCLUDED

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

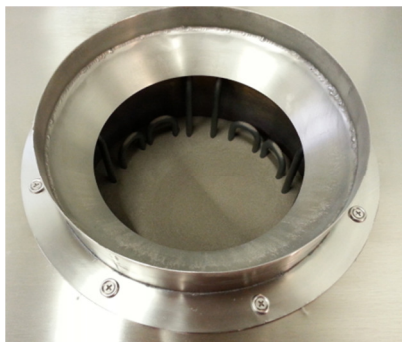
WHAT DO I NEED TO RUN THE SYSTEM

- 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

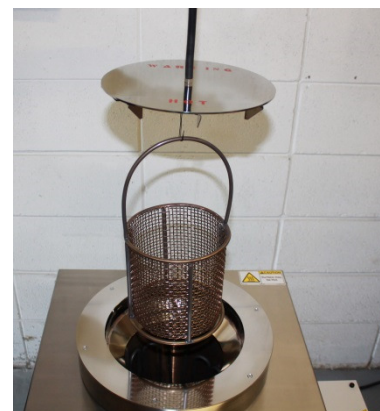
- Technical support
- Application support
- Installation and setup
- Maintenance

FEATURES AND SPECIFICATIONS



Innovative bath cover and lid that blocks 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. An eyelet is added to this flexible lid for suspending parts baskets or the probe support can be installed for calibrating temperature sensors and systems. The lid is easily modified for connection and immersion of reactors for heating.



Specifications

	FTBSL6	
Temperature range	50 to 605°C	
Working volume	5.3" dia x 6" depth (134mm x 152mm)	
Typical stability thru operating range	±0.2°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" ID x 4.5"L 1.5 lbs max capacity	ATS1080	
20 pound box of Aluminum oxide	ATS1076	
Probe support	ATS3082	

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