**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.
# FEATURES AND SPECIFICATIONS

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.

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**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.

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### FTBSL6 Specifications & Ordering

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature range</td>
<td>50 to 605°C</td>
</tr>
<tr>
<td>Working volume</td>
<td>5.3” dia x 6” depth (134mm x 152mm)</td>
</tr>
<tr>
<td>Typical stability thru operating range</td>
<td>±0.3°C</td>
</tr>
<tr>
<td>Dead bed stability (5 minute period)</td>
<td>±0.04°C</td>
</tr>
<tr>
<td>Calibrated accuracy</td>
<td>±2.0°C</td>
</tr>
<tr>
<td>Heat up time to 600°C from ambient</td>
<td>70 minutes</td>
</tr>
<tr>
<td>Cool down time – 600 to 200°C</td>
<td>130 minutes</td>
</tr>
<tr>
<td>Heater Power – 1 phase, 50/60 Hz</td>
<td>1920 watts</td>
</tr>
<tr>
<td>Air pressure &amp; max flow required</td>
<td>30 PSI, 1.8 CFM (2.1 bar, 50 lpm)</td>
</tr>
<tr>
<td>Overall footprint, H x W x D</td>
<td>15”x17”x13” (381mm x 432mm x 330mm)</td>
</tr>
<tr>
<td>Total unit weight with aluminum oxide</td>
<td>45 lbs (20kg) (unit only 32 lbs, 14.5kgs)</td>
</tr>
<tr>
<td>Warranty</td>
<td>1 year</td>
</tr>
<tr>
<td>Catalog number</td>
<td>ATS2016 – 120VAC</td>
</tr>
<tr>
<td>Catalog number</td>
<td>ATS2018 – 240 VAC</td>
</tr>
</tbody>
</table>

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**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

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**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

**V5 917**