



Part Number	MSB-200-D	MSB-500-D
<b>Temperature Range</b>	Ambient to 200 °C	200 °C to 500 °C
<b>Stirred Liquid</b>	Silicone Oil	Salt
<b>Dimensions</b>	36.83cm (14.5") D x 31.75cm (12.5") W x 46.99cm (18.5") T (Including Media)	
<b>Weight</b>	30kg (66 lbs.)	
<b>Wetted Parts</b>	304 Stainless Steel, 3" Dia. (OD) x 1 <sup>3</sup> / <sub>4</sub> " Deep Insertion Entrance	
<b>Fluid Depth</b>	33.02mm (13") / 4.9 Liters	
<b>Resolution</b>	0.1 °C	
<b>Stability &amp; Uniformity</b>	50 °C ± 10mK	200 °C ± 10mK / 500 °C ± 10mK
<b>Heat Up</b>	~2 °C/minute	
<b>Cool Down</b>	< 0.5 °C/minute	< 1 °C/minute
<b>Interface</b>	RS-232 Interface & Interactive Touchscreen with iTools	
<b>Power</b>	120VAC, 10amp, 50/60Hz *Available in 240VAC*	

### Features

- MSB Units Available to Cover Temperature Range from Ambient Up to 500 °C • Stainless Steel Housing • Small Footprint - May Be Shipped Via FedEx or UPS
- Built-In Sensor Holders • May Be Used With Silicone Oil or Salt • Independent High Temperature Shutdown System • Advanced Stirring System
- RS-232 & iTools Come Standard • NIST Traceable Calibration Certificate Included With Purchase • 12-Month Warranty

EDL's line of Mini-Salt Baths (MSB) are a cost effective and innovative solution to large and cumbersome, high temperature stirred liquid baths. The Mini-Salt Bath (part #: MSB-200-D or MSB-500-D) is an excellent alternative to bulky floor model baths requiring great volumes of expensive medium – silicone oil or salt. Mini-Salt Baths (MSB) feature an advanced stirring system helping to ensure their high stability and uniformity. These baths typically achieve a standard deviation of  $\pm 0.005 \text{ K} = 2$ .

With a compact 15" square footprint and weighing less than 70lbs. (including the oil or salt), these baths are well suited for use in the laboratory or may be placed on a cart for easy portability in the field. In addition to being compact, EDL Mini-Salt Baths (MSB) offer impressive start up times: the MSB-500-D heats solid salt to 220 °C in roughly 60 minutes (plus 30 minutes for stabilization). Fast heating rates are achieved because minimal medium (~ 18 lbs. of salt) is required. This easy to use and fast heating (greater than 2 °C per minute) bath allows the user to calibrate numerous points throughout the work day.

The large 13" deep tank provides sufficient depth to calibrate SPRTs and a variety of industrial thermometers and various thermocouples across a wide temperature range. With a short neck distance of 2.1" from the top of the neck to the actual fluid, you are able to submerge shorter sensors into the bath. The large tank can also accommodate an optional equalization block which can help to further improve the stability and uniformity of the Mini-Salt Bath (MSB). High temperature Stainless Steel equalization blocks are available for the MSB-500-D, and may be customized to accommodate your specific sensor requirements. Brass and copper equalization blocks are available for the MSB-200-D, and may also be customized to accommodate your particular sensor requirements.

Mini-Salt Bath Calibrators (MSB) ship with two mounting plates on top of the bath, predrilled and threaded to accept up to ten MSB support poles. The support poles were designed to offer support and allow for vertical adjustment for mounting the sensor holders and connectors. This allows for quick and easy changes / adjustments to the sensors in the bath. A support pole, sensor holder, and clip are included in your purchase. Available in either 120VAC or 240VAC, EDL will accommodate a cord configuration to match your home country's power requirement. All baths are made in the USA and are tested for stability and uniformity before shipping. A NIST Traceable calibration certificate is included with your purchase.

