

## Fluidized Bath

Semi-Portable

## FB 06S / FB 06L

Stirred Bath

Medium Temperature Calibrators.

Ideal choice for simultaneous Calibration of several Temperature Sensors in quick time – Thermocouples / RTD Assemblies, Glass Thermometers, Filled System (Dial) Thermometers / Temperature Switches etc.

Calibration of bulky / heavy, odd shaped / sized Sensors – a must for Process Industries, Power Stations etc. with 1000s of Temperature Sensors installed.

### SALIENT FEATURES

Compact Design / Cost Effective
Dry, relatively inert / clean / non-toxic safe
No Fitment / Immersion Problems
Short / Long Immersion - to suit Multitype / Multiple Sensor Calibration
Rapid Heat Transfer & Precise Temperature Control
Stainless Steel Inner Container
Complete with Moisture Separator, Flow Meter, Pressure Regulator, Autotune PID Temperature Control, Cooling Coil etc.
Switch Test facility
Castor Wheels for easy movement
Computer Interface & "Caltemp" Calibration Software – Optional



### SPECIFICATIONS

Models	FB 06S	FB 06L
Range	20°C above Ambient to 600°C	20°C above Ambient to 600°C
Resolution	1°C	1°C
Accuracy	±1.5°C	±1.5°C
Stability	±0.5°C	±0.5°C
Stabilisation Time	25 Minutes	25 Minutes
Working Chamber Dia	155 mm	225 mm
Immersion Depth	250 mm	400 mm
Heating Time (Ambient to max.)	50 Minutes (approx.)	90 Minutes (approx.)
Cooling time (to 100°C)	3 Hours (without cooling attachment) 45 Minutes (with cooling attachment)	5 Hours (without cooling attachment) 75 Minutes (with cooling attachment)
Temperature Readout (PID Controller)	°C / °F Selectable	°C / °F Selectable
Air Pressure **	1 to 1.5 Kg/cm <sup>2</sup>	1 to 1.5 Kg/cm <sup>2</sup>
Air Flow	25 LPM	45 LPM
Weight of Medium	6 Kgs	17 Kgs
Inner Container	Stainless Steel	Stainless Steel
Power Supply	2 KW	4 KW
Dimension (W x D x H)	800 x 350 x 570 mm	750 x 450 x 800 mm
Weight (without Medium)	40 Kgs.	65 Kgs.
Mounting	Floor Model / Castor Wheel	Floor Model / Castor Wheel

## STANDARD INCLUSIONS

- Fluidized Bath complete with Moisture separator, Flow Meter, Pressure Regulator
- Over Spill Flange & Cooling Coil attachment \*
- Test Leads for Switch Test
- Aluminium Oxide Powder : 6 Kgs. (FB 06S), 17 Kgs. (FB 06L)
- Evacuation System
- Traceable Calibration Certificate
- Instruction Manual

## OPTIONAL (ADD-ON) ITEMS

- Probe Plate Basket (Plate drilled to suit probes)
- Probe Carrier / Holder to suit – specify dia of Probe to be calibrated & number of probes (max. 8)
- Air Filter
- Equalizing Block (Single/Multihole) to achieve higher Stability ( $\pm 0.1^{\circ}\text{C}$ )
- Computer Interface & Calibration Software
- Calibration Certificates are issued in Accordance with our Scope as granted by NABL per ISO/IEC 17025:2017 Standards

\* Tap Water supply required \*\* Dry Compressed Air required (@ 7 bar).

*Manufactured by*



Since 1972

**NAGMAN INSTRUMENTS AND ELECTRONICS PRIVATE LIMITED**

**AN ISO 9001:2015 CERTIFIED COMPANY**

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Specifications subject to change owing to continuous development. Contact us for latest Datasheet.

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