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**NOVA INSTRUMENTS PVT. LTD.**

(AN ISO 9001:2008 CERTIFIED COMPANY)

QUALITY PRODUCT

CUSTOMIZED DESIGN

QUICK SERVICE

## SAND BATH



Direct sand heating model



Water Jacked Model

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# “NOVA” SAND BATH

**APPLICATION:** The above system can raise & maintain temperature from 5° c. above ambient to 110° c. which falls within required range of 60° C& 80°C of specimen temperature.

## 1) WATER JACKED MODEL:

TECHNICAL SPECIFICATION	
Working size	280/300 L x 200 w x 100mm h approx. or as required
Capacity	To keep 2 /4 sample at a time
Overall dimension	Will be according to insulation.
Outer body	Fabricated from heavy gauge mild steel duly powder coated.
Temperature range	5° c. above ambient to 65° c.
Temperature Display & Control	Digital Display & PID Control
Resolution	0.1° c.
Control accuracy	+/- 3° c. or better

**CONTROL PANEL:** Provided with left or right side of the system or separately consisting of mains switch, mains indicator, 2 nos. PID controller, heater on/off indicator & heater output for sand bath will be provided.

**CONTROL SYSTEM:** Digital auto-tune PID controller - 1 for sand temperature indication & 2<sup>nd</sup> having detachable sensor to be kept on the sample & to control the exact temperature of specimen.

## 2) DIRECT SAND-HEATING MODEL:

TECHNICAL SPECIFICATION	
Working size ( 3 options )	A) 360x360mm B) 510x360mm C) 580x430mm
Material of Construction (MOC)	Working Tray made of SS30
Heating System	Specially designed heater
Temperature range	5° c. above ambient to 110° c.
Temperature Display & Control	Digital Display & PID Control
Resolution	0.1° c.
Control accuracy	+/- 3° c. or better.

**CONTROL PANEL:** Integrated Control panel (compact design) consisting of mains switch, mains indicator, PID controller and heater on/off indicator. Short Circuit protection built in.

N. B.:- ALL THE BATHS/CONTROLLERS ARE PROVIDED WITH TEST & CALIBRATION REPORTS FROM OUR ASSOCIATE M/S.NOVA CALIBRATION CENTRE WITH TRACEABILITY TO NATIONAL STANDARD.

-----DATA & DESIGN SUBJECT TO CHANGE DUE TO CONTINUOUS -----

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