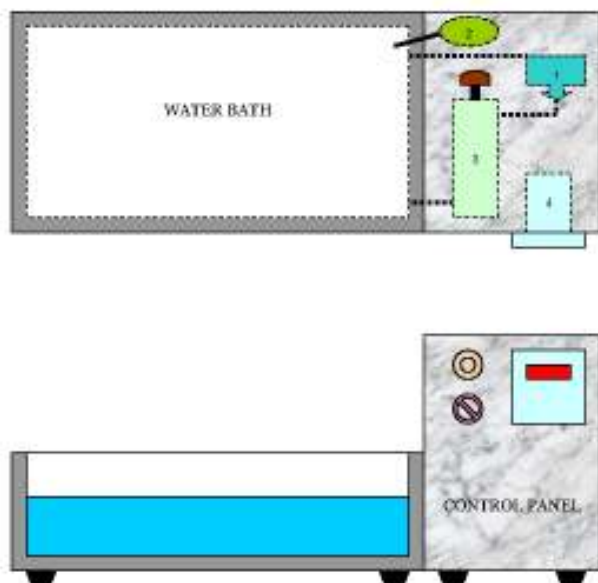


## THERMO-REGULATED WATER BATH



We manufacture thermo-regulated water bath in full stainless steel construction for special applications such as semen processing during in-vitro fertilization (IVF), where it is used for thawing frozen semen straws & for maintenance & holding of semen & extender at constant temperature before dilution & subsequent processing.

It is excellent for warming of temperature-sensitive cells, plant tissue cultures, animal cell cultures, & any other products that require a fixed physiological temperature.

The bath is factory calibrated to maintain water temperature at  $37\text{ }^{\circ}\text{C} \pm 0.5\text{ }^{\circ}\text{C}$ , but can be set at any other temperature from ambient up to  $70\text{ }^{\circ}\text{C}$ . Its convenient size takes up minimal counter space, making it ideal for laboratories and indoor work areas. It is suitable for installation & use in clean-room areas & can be mounted on the working platform of a laminar flow workbench.

Salient features of our product are as follows :-

1. Full stainless steel (SS304 or SS316) double wall construction with rounded corners for easy cleaning
2. Food & Pharma grade finish for process contact parts
3. Temperature sensor located inside bath chamber for accurate heat control
4. Auto-tuning PID type digital temperature indicator-controller for accurate control within  $\pm 0.5\text{ }^{\circ}\text{C}$
5. Water recirculation arrangement for constant water temperature at all parts of the bath
6. Water level safeguard with an electrical contact for heater protection
7. External heating loop, eliminating pockets of high temperature which can damage sensitive cells
8. Designed for continuous use
9. Compact & lightweight, yet rugged & heavy duty
10. Custom-built to fit on various sizes of laminar flow units
11. User-friendly & easy to operate – no training required
12. Absolutely silent operation
13. Works on single phase 230 Volts 50 Hz AC power supply & consumes very low power
14. Can be connected to a UPS or inverter for uninterrupted operation
15. No contamination, rusting, grease, etc.
16. Electrical protection provided
17. Aesthetic, elegant looks, appealing design
18. Very low consumable parts
19. Separate control module to save space on the laminar flow unit
20. Adequate power rating of water heater to ensure quick start-up
21. Adequate electrical safety devices installed for protection

*Manufactured in India by :-*

### NAVIN PROCESS SYSTEMS

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