

**WEIBER**

High Precision **Water Bath**

Models:

- ABX-Series

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We are manufacturers of high precision water bath in India since 1990. Our high precision water baths are widely used for day to day bacteriological and varied laboratory applications requiring incubation as well as general tests and procedures in variety of research and testing laboratories. Apart from that, these high precision water baths have a variety of usages in tissue culture applications, enzyme reaction studies, growth observation studies, fermentation analysis and various other general and specialized applications in various laboratories.

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We specialize in both standard and customized models, specifically designed to meet the challenging demands of various scientists for individual and specialized research applications.

Over a short period of time Weiber brand have been established as reliable exporters of High precision water bath in India, catering to the vast markets in South East Asia, Middle East, Africa and Europe.

Apart from that we are supplying our high precision water bath in India, catering to a variety of customers ranging from Defence Installations, Research Laboratories, Educational Institutes and various R&D laboratories of leading national and multinational companies.

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**Salient Features**

- Versatile usage
- Ergonomic Design
- Energy Efficient
- Long life
- Low Maintenance
- Calibration And Protocol Documentation

**Construction Details High precision water bath:**

Our high precision water baths are double walled convection heated units. Outer body of our high precision water baths is constructed out of thick PCRC steel sheet, duly pre-treated with primers for rust proofing and painted with air drying paint/stove enamel/powder coating. The inside chamber of the unit is made of heavy gauge stainless steel sheet of grade ss-304. The unit is provided with

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top opening cover, made of stainless steel with steel concentric rings. The unit is provided with one stainless steel rack s.

**Heating**

Indirect heating system is provided in our high precision water bath, comprising of air heaters made of high grade Kanthal A-1 wires of suitable wattage.. The temperature is evenly distributed

throughout the chamber through natural water convection mechanism, ensuring a very good temperature sensitivity.

**Stirring**

The unit is fitted with a high efficiency stirrer motor of 1/20 HP, so as to maintain the uniform temperature of our high precision water bath.

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**Temperature Range**

Temperature range of our standard high precision water bath models are 5o c above ambient to 90o c. However we have the capacity to modify the same to suit the individual specialized requirements of our customers.

**Temperature Sensitivity**

Temperature inside our high precision water bath is controlled with a sensitivity of + 0.2o c or better.(With PID Controller)

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## High Precision Water Bath

### Front Panel

Front panel of our high precision water bath comprises of on/off switches heating and mains indicator lamps and temperature controller.

	Size Of Internal Chamber	Capacity
Acm 54003-Q	430 x 240 x 265 mm	28 Ltrs

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### Technical Matrix For High precision water bath

<b>Temperature Control</b>		
Temperature Sensitivity	± °C	0.2 or better
Spatial Deviation In Temperature	± °C	0.2 or better
Readability	°C	0.1
Temperature range	°C	5°C above ambient to 90°C (Standard)
Temperature Sensor		PT-100
Temperature Controller		PID
Display		LED/LCD
Adjustable alarm limits		Inbuilt
<b>Safety thermostats</b>		
Temperature variation Adjustments		3
Temperature Sensors		PT-100
Automatic temperature setting		Yes
Adjustable limits		Yes
<b>Accessories</b>		
Timer (999 mins)		optional
Program (Real Time)		optional
Data Acquisition Program		optional
Serial Port (Printer)	RS232C	optional
Inspection window in door		optional
<b>Shelves</b>		
Standard		01
Internal Dimensions	mm	Standard 430mm x 240mm x 265mm 28 ltr
<b>Accessories</b>		
Printer Report Program		optional
2 x 24 characters LCD Display		optional
Access Port 30 mm		optional
<b>Power consumption</b>		
Nominal power	W	650
Nominal voltage	V	220-230 Volts, 50 Hz Single Phase
Frequency	Hz	50



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