

SINCE 1969

HOLY SCIENTIFIC

The ultimate solution for lab instruments



**BETTER TECHNOLOGY & BEST QUALITY
WITH FAST SERVICE**

LAB INSTRUMENTS

SCIENTIFIC INSTRUMENTS

LAB EQUIPMENTS

LAB INSTRUMENTS

TESTING KITS

SCIENTIFIC KITS

LABORATORY GLASS WARES

LABORATORY PLASTICWARES

LABORATORY CHAMICALS

CRYO BATH

INTRODUCTION:

HOLYSCIENTIFIC is one of the leading science equipment manufacturer & exporter of science equipments, science instruments, lab equipments, lab instruments, testing equipments, testing instruments, like Digital bio-safety cabinet, vertical & horizontal laminar air flow cooling & heating instruments like ultra low temperature deep freezers, BOD incubators, hot air oven, muffle furnace, microscope, fume hood environmental test chamber, water distillation plant, SDI kit, ocean grapy meter, water testing kit, PH meter, soil samplers & all types of laboratory & science instruments.

This laboratory & scientific instruments used for laboratory sterilization, clean room, microbiology, pathology, bio technology, pharmaceuticals, seed & soil testing, metallurgical, food processing, customized instruments

HOLY SCIENTIFIC

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CRYO BATH

SCOPE:-

We are the leading manufacturer of CRYO bath in region. Our CRYO baths are widely used for day to day in various applications. 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 RASAYAN brand have been established as reliable manufacturer of cryo bath in India. Apart from that we are supplying our cryo bath in India, catering to a variety of customers ranging from Defense Installations, Research Laboratories, Educational Institutes and various R and D laboratories of leading national and multinational companies.

CONSTRUCTION:-

The bath chamber is constructed in double wall construction. The interior of the chamber is made of pharmaceutical approved 304 grade Stainless Steel and the exterior is made out of thick gauge Stainless Steel / Mild Steel with corrosion resistant powder coating painted, poly urethane foam insulation in between both walls of bath provide complete insulation for reduce heat loss & also make it economical design due to reduce power consumption. The chamber provides with a full top opening double wall typed PUF insulated door made of Stainless Steel. The door is fitted on the top of chamber by heavy-duty hinges and locking arrangement. Magnetic Gasket arrangements provide for reduce the heat loss on the door.

- RELIABLE
- VERSATILE USAGE.
- MICRO-PROCESSOR BASED CONTROLLERS
- AESTHETICALLY DESIGNED
- ENERGY EFFICIENT
- CFC FREE COOLING

USEFUL FOR BIOMEDICAL, PATHOLOGY, MICROBIOLOGY, PHARMACEUTICALS, FOOD PROCESSING ETC.



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- Precise control of environmental parameters
- Corrosion resistant interior & exteriors
- Sturdy construction
- Low maintenance.

Drain port at the bottom of the chamber for drain the liquid from bath. In built ISI marked circulation pump or ISI marked motorized stirrer for uniform temperature.(circulation pump & stirrer at optional.)

REFRIGERATION SYSTEM:

Cooling coils are dehydrated cooper tubing soldered to the external side of the working chamber (all sides) for instant and consistent cooling. Refrigeration system applied with hermetically sealed, air-cooled compressors. The applied degassed and dried oil protects against wastage and prolongs the life time of the compressors. Air-Cooled condenser removes the heat from the compressor compartments by means of ventilation Electrical overload protection is provided on compressors

Temperature range

Temperature range: ambient to minus 20/ minus 35/ minus 70(as per model)

Temperature resolution: 0.1°C

Temperature sensitivity: $\pm 1^{\circ}\text{C}$ or better.

Temperature Control: By digital Dual display Temperature controller with PT 100 sensor

Temperature controlling

Temperature controlled with microprocessor based controller with seven segment four digit dual display. Upper display shows process value lower display shows set value.

Temperature uniformity

ISI marked Pump & ISI marked motorized stirrer for uniform temperature (optional)

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OPTIONAL

ISI marked pump for internal or external circulation.

ISI marked motorized stirrer for internal liquid circulation for uniform temperature

PPI make PID based programmable controller with original sensor Temperature Accuracy: $< 0.5^{\circ}\text{C}$

PLC based controlling with or without touch screen.

Images shown in the catalog is for reference only due to the continue up gradation original unit may be differ from it.
RASAYAN reserve all the rights to change the specification & feature without any notice

MFG.BY

HOLY SCIENTIFIC

Manufacturer of all types of lab glass wares & instruments

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