

SINCE 1969

HOLY SCIENTIFIC

The ultimate solution for lab instruments



BETTER TECHNOLOGY & BEST QUALITY
WITH FAST SERVICE

LAB INSTRUMENTS

SCIENTIFIC INSTRUMENTS

LAB EQUIPMENTS

SCIENTIFIC INSTRUMENTS

TESTING KITS

SCIENTIFIC KITS

LABORATORY GLASS WARES

LABORATORY PLASTICWARES

LABORATORY CHAMICALS

DEEP FREEZER

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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DEEP FREEZER

DEEP FREEZERSCOPE

RASAYAN is the leading manufacturer of all types of laboratory deep freezers in region. Our deep freezers are widely used for day to day in various laboratory 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. Laboratory professionals all over the world have recognized the dependability and efficiency of RASAYAN Freezers. RASAYAN lab equipment manufactures CFC- free efficient & ultra dependable upright model ultra temp. Deep freezers with a various model of different Temperature like -20C, -40C, -80C at an ambient temperature of 25 C in different capacity.

CONSTRUCTION

RASAYAN DEEP freezers have double wall construction. Inner chamber made of thick highly polished stainless steel with dehydrated cooper tubing soldered to the external side (all sides) for instant and consistent cooling. Exterior made of thick mild steel sheet duly finished in enamel paint or pastle mat finish colour combination.(fully S.S model also available) double wall with CFC free poly urethane foam insulated door is provided with magnetic gasket and lock & key arrangement for minimize heat loss. Gap between outer & inner chamber also filled with PUF insulation. Castor wheel for easy mobility.

- RELIABLE
- LOW NOICE OPRATION.
- MICRO-PROCESSOR BASED CONTROLLERS
- AESTHETICALLY DESIGNED
- CFC FREE INSULATION
- CFC FREE COOLING

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

DEEP FREEZER



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

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

Every freezer is fully tested under the most demanding conditions for in our work shop. The constant ultra-low set point operating temperature is assured in warm temperature environments

A control panel is provided with temperature controller & various indicators like ON/OFF switch cord plug, compressor ON/OFF indication lamp, etc. (PLC based controlling with or without touch screen also available.)

FEATURES:

- High-strength mild-steel with corrosion-resistant coating for long-life durability.
- S.S 304 made inner chamber with round shape corner
- HD (high-density) composite thin-wall design creates more storage without increasing cabinet footprint
- Outer door gasket: unique door seal for sealing contact, protects against heat leaks and minimizes frost buildup
- Stainless-steel reinforced interior shelves, developed for excessive loads and impacts
- PLUS Power Management System: Automatic voltage compensator which can detect the line frequency (50 to 60Hz) & can monitor the incoming voltage. (optional)
- Heavy-duty casters: 2 in. (5.1cm) locking tandem wheel design for easy, smooth mobility
- Door-mounted Pressure Equalization Port (PEP) allows for quick re-entries after door openings and eliminates the need for ice removal.(optional)
- Integrated door handle and latch for one-handed operation; built-in key lock and padlock compatible Washable filter provides protection from dust on the condenser, which can reduce refrigeration performance and increase risk to sample

BETTER TECHNOLOGY & BEST QUALITY WITH FAST SERVICE



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

- JURCK FREE OPERATION
- ALARM SYSTEM IN ABNORMAL CONDITION
- DOUBLE DOOR SYSTEM FOR REDUCE HEAT LOSS
- PHARMA PROOF SILICON GASCKET.

REFRIGERATION SYSTEM:

Cooling coils are dehydrated copper tubing soldered to the external side of the working chamber (all sides) for instant and consistent cooling. Refrigeration system equipped 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. Higher heat removal capacity than competitive freezers, ensuring faster temperature recovery after door openings. Environmentally friendly, CFC-free refrigerants used in both higher low-stage models.

Temperature range

Temperature range:-ambient to minus 20 or minus 40, or minus 80 as per requirement.

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

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

ALARM SYSTEM

Battery operated alarm system will emit an audible and visual signal when there is a mechanical or electrical failure. The alarm has an over and under temperature setting, alarm silencing switch, and battery test switch. (Only in PLC model.)

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DOCUMENTATION

- Warranty certificate
- User's manual.
- NABL traceable certificate.

OPTIONAL

- Universal data logger
- PLC based controller with or without touch screen control panel.
- PPI make PID based programmable controller with original sensor Temperature Accuracy: $< 0.5\text{ }^{\circ}\text{C}$ Chart recorder.

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

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Manufacturer of all types of lab glass wares & instruments

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