

SINCE 1969

HOLY SCIENTIFIC

THE ULTIMATE SOLUTION FOR LAB INSTRUMENTS

COD DIGESTER

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

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COD DIGESTER

COD DIGESTER

SCOPE:

COD Digester is the most accepted Thermo reactor for Determination of Chemical Oxygen Demand in Various Substances. Chemical Oxygen Demand (COD) is a Measure of the Capacity of Water to Consume Oxygen during the Decomposition of Organic Matter and the Oxidation of Inorganic Chemicals such as Ammonia and Nitrite. COD Measurements are commonly made on Samples of Waste Waters or of Natural Waters Contaminated by Domestic or Industrial Wastes. Chemical Oxygen Demand is measured as a Standardized Laboratory assay in which a closed Water Sample is incubated with a Strong Chemical Oxidant under Specific Conditions of Temperature and for a Particular Period of Time.

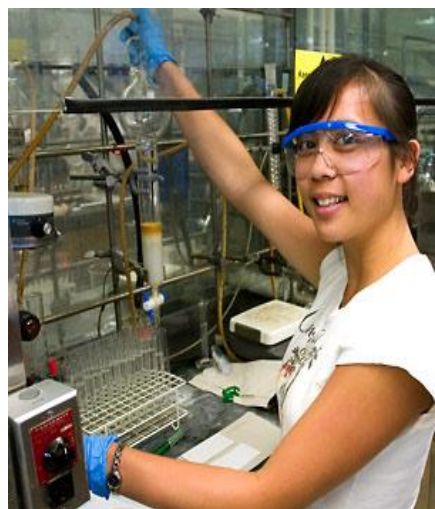
CONSTRUCTION:

Our cod Digester is specially designed as per IS & ASTM standard suitable for 15- tubes or 24 tubes. COD digester is used for chemical oxygen demand method for monitoring waste water influent and industrial process water. Digester block made out of high quality Alluminium or S.S The Cod Digester is provided with highly insulated between block & exterior which is made out of G.I powder coated or M.S powder coated finish. The Cod Digester is equipped with microprocessor based PID controller with dual display seven segments four digit digital controller cum indicator with timer of 120 minute with alarm. The digester block is suitable for 38 mm diameter tubes and 600 mm height air condenser.

- Reliable
- Versatile usage.
- MICRO-PROCESSOR BASED CONTROLLERS
- Aesthetically designed
- New compact design.



USEFUL FOR WATER WASTE TREATMENT PLANT, SUEAGE WATER, ETP PLANT ETC.



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- Uniform & stable heating
- Corrosion resistant interior & exteriors
- Sturdy construction
- Low maintenance.
- Excellent temperature control

APPLICATIONS:

- Chemical Oxygen Demand Digester Designed for digestion of COD test samples and multi-function dry bath heating.
- Precise temperature control from ambient +5 °C to 150 °C with ± 1 °C accuracy.
- User's self compensation functions for temperature to counter for difference between block temperature and sample temperature.
- Fitted with Microprocessor Based Digital Temperature
- Indicator cum Controller for auto control with respect to time and temperature and is also fitted with in-built buzzer timer for auto time control to indicate cycle end.
- Microprocessor Based Digital Temperature Indicator cum Controller having dual four digit seven segment digital display for set value and process value.
- Recessed well/cavity accommodates aluminium or S.S insert block.
- Samples after being digested for 2 hours can be analyzed using calorimeter or conventional titration method.

TEMPERATURE CONTROL / RANGE:

- Temperature Range: +5°C form ambient to 150 °C/ 250°C/ 450°C (As per model & application)
- Temperature Sensitivity: $\pm 1^{\circ}$ c or better.
- Resolution: 0.1°C

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Optional:

PPI PID based programmable controller with original sensor Temperature Accuracy: $< 0.5^{\circ}\text{C}$: -Rate: 5800/- nett extra

PLC based programming.

Glass handling kit

Universal data logger.

We are also manufacturing 6,9,12,18,21,24, Sample COD Digestion

We are also manufacturing by GMP (Complete S.S.)

Images shown in the catalog is for reference only due to the continue up gradation original unit may be differ from it.

MFG.BY

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