

FURNACE

DRY AIR STERILIZER



Enhance your laboratory's sterilization and drying processes with the Vector Dry Air Sterilizer series. Designed for use in research and industrial laboratories, these sterilizers are ideal for applications such as sterilization, drying, heating, heat treatment, and long-term stability testing. The Vector Dry Air Sterilizer provides exceptional temperature control, ensuring homogeneous heat distribution and stable temperatures for reliable and consistent results.



VTR 13-012



Vector Etuv - Dry Air Sterilizer

Furnace for Laboratory and Industrial Applications

Overview

The sterilizer features a precise and constant temperature control system achieved through a fan circulation mechanism, managed by a reliable and accurate programmable PID microprocessor. This system allows for temperatures ranging from ambient temperature plus 5 °C up to 250 °C. The easy-to-use digital control panel enables users to set and maintain desired temperatures with a sensor reading resolution of 0.1 °C, catering to even the most demanding sterilization tasks.

One of the standout features of the Vector Dry Air Sterilizer is its ability to retain user settings in the event of power outages. This ensures uninterrupted sterilization processes by keeping the programmed values in memory, helping to fully implement sterilization requirements without starting over. When the sterilizer reaches the set temperature, an integrated timer begins counting forward, allowing for precise control over sterilization duration.

Constructed with durability and practicality in mind, the sterilizer's interior chamber is made of high-quality stainless steel, resistant to many chemicals and easy to clean due to its smooth surfaces. The stainless steel shelves are adjustable, providing flexibility to accommodate various sizes and quantities of items requiring sterilization. The outer body is crafted from electrostatic powder-painted steel, which is not only durable but also easy to maintain.



Available in a range of sizes from 30 to 120 liters, with special production options up to 1,000 liters, the Vector Dry Air Sterilizer can be tailored to meet specific laboratory requirements. This versatility ensures that whether you have a small laboratory or a large industrial facility, there's a model suitable for your needs.

Vector Etuv - Dry Air Sterilizer

Key Features:

Precise Temperature Control: Ambient temperature plus 5 °C up to 250 °C, with a temperature sensitivity of ± 1 °C and uniformity of ± 2 °C between 100 °C and 160 °C.

Programmable PID Microprocessor: Allows for accurate setting and maintenance of temperature, ensuring consistent sterilization conditions.

User-Friendly Digital Control Panel: Simplifies operation with clear displays and intuitive controls.

Power Outage Memory Retention: Retains user settings during power interruptions, ensuring processes can continue seamlessly.

Stainless Steel Interior and Shelves: Resistant to chemicals and easy to clean, promoting a hygienic environment.

Adjustable Shelving: Standard two shelves with the option to expand up to six, accommodating various items.

Safety Thermostat: Gas amplitude thermostat ranging from 50 °C to 300 °C for over-temperature protection.

Durable Exterior Construction: Electrostatic powder-painted steel outer body that's easy to clean and maintain.

Timer Functionality: Programmable from 1 minute up to 99.9 hours, including indefinite operation for flexible scheduling.

Multiple Sizes Available: Models with capacities of 30 L, 55 L, and 120 L, with custom sizes available upon request.

Energy Efficient: Designed for optimal performance with installed power ranging from 1,500 W to 1,750 W, depending on the model.

Power Supply Compatibility: Operates on standard 230 V, 50 Hz electrical supply.

TECHNICAL SPECIFICATION

Model	VTR 13-012-30	VTR 13-012-55	VTR 13-012-120
Temperature Working Range	Ambient Temperature +5 °C / +250 °C		
Control System	Programmable PID Microprocessor Control System		
Temperature Change (100°C - 160°C)	± 2 °C		
Temperature Sensitivity	± 1 °C		
Scheduler	1 Minute - 99.9 Hours + Indefinite Operation		
Available Volume	30	55	120
Number of Shelves (Standard/Maximum)	2 - 4	2 - 6	2 - 6
Installed Power (W)	1500	1500	1750
Security Thermostat	Gas Amplitude Thermostat (50 °C / 300 °C)		
Power Values	230 V 50 Hz		
Internal Surface Structure	Stainless Steel		
Outer Surface Structure	Electrostatic Powder Painted Steel		
Internal Dimensions	32 x 32 x 32	38 x 38 x 38	50 x 48 x 50
External Dimensions (E x D x Y) cm	47 x 47 x 60	55 x 61 x 71	65 x 70 x 82