





2024



2025

About Us

2024



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Some say that tough competition means no more place in the market. We say that tough competition is excellent for the very bests. That's why we love it.

CLS started out as a small manufacturer in 1983 and made it's main purpose to improve and renew itself ever since. With 35 years of experience in trade and 45 years in the industryi CLS contiues to manufacture, deliver and attend lab products.

CLS, initially founded for manufacturing of lab products, today imports lab devices, provides sales and tech support in addition. It is the only agent in Turkey for brands of many years of experience.

CLS still growing today with it's perception of quality, tech support, young & dynamic staff and ever growing product portfolio, will contine to provide efficient solutions for your laboratory.

VACUUM OVEN

CLVO-27T / CLVO-64T / CLVO-165T

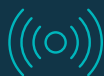
A vacuum drying with the possibility of chamber air extrusion by inert gas is offered by the line CLVO that can be used not only for heat labile and oxidation sensitive substances (powder, granulates, ...) but also for pieces with hardly accessible openings and threads. These units are ideal for drying of samples up to a constant mass. They are to be used especially in the sphere of plastic processing in pharmaceutical, chemical, electrical and other industries.





BIG VOLUME FOR MORE DRYING

30.7 & 64 Lt volume option



DIGITAL VACUUM CONTROL

Control system for automatic activation of the vacuum pump. Automatically controls the system at the set vacuum value.



UNIVERSAL KF16 VACUUM PORT

Universal connections are preferred, offering high level vacuum performance over conventional hose connections. This results in optimum drying performance.



INERT GAS PURGE SYSTEM

Automatic inert gas can be applied to the system to create oxygen-free environments. Purge number can be controlled by user



TOUCH SCREEN DISPLAY

A high-resolution touch screen display where all parameters can be easily set and monitored.



UNIQ HEATING STYLE

Shelf system, each of which can make heating. In case of removing the shelves, the unit undertakes the function of the base heat.



VACUUM PUMP CABINET

It aims to provide a quiet working environment with polyurethane insulation which minimizes the working noise of the vacuum pump.



SAFETY SECURITY

With the original leakage current relay, high level safety is provided of the user. 12 mm thickness windscreen ensures high vacuum durability.

GENERAL DATA

Device	CLVO
Device type	Vacuum Oven
Warranty	2 Year
Identification	CE, EU Standards
Quality management	DIN EN ISO 9001:2008

GENERAL TECHNICAL DATA

Capacity	30,7 & 64 & 165 Lt.
Temperature	Amb. +5°C to 200°C / PT100
Accurate	± 0.5°C at 100°C
Uniformity	±2.0°C at 100°C
Timer / Alarm	99hr59min / Error&Timer end
Vacuum Range	10 ~ 750 mmHg /1100 ~ 1 mbar
Heat-up Time	35 min.to100°C, 75 min.to190°C
Display	5" Full Touch Screen TFT LCD
Resolution	Control : ±1.0°C, Display : ±0.1°C
Shelves	27T & 64T : 2 Shelves 165T : 5 Shelves
Controller	Full Auto PID for Temp & Vacuum
Vacuum Inlet	KF16

MATERIAL-SPECIFIC DATA

Material of work area	1.5 mm ss, 1.4301
Shelf material	6000 series aluminium
Housing material	Powder-coated 1.2 mm thick Zincor steel plate, material no.: 1.0330

ELECTRICAL DATA 27T 64T 165T

Nominal voltage	220V AC	220V AC	220V AC
Nominal frequency	50 Hz	50 Hz	50 Hz
Power consumption	1.950W	2.550W	4.500W

DIMENSIONS 27T 64T 165T

Interior (WxDxH, mm)	320x320x300	400x400x400	580x580x500
Exterior (WxDxH, mm)	665x470x535	765x575x635	780x780x700
Packing (WxDxH, mm)	710x762x970	780x826x1,030	880x880x800
Gross Weight	76 kg	114 kg	150 kg

OPTIONS

Vacuum pump, Vacuum pump box, Vacuum component, Shelves, Cold trap, Glass trap, Vacuum hose

HI TEMP OVEN 350 °C

CLOF-150H

High-Temp. Forced Convection Ovens provides higher temperature up to 350°C than conventional ovens for special application for material research or testing laboratory. Motorized fan to force air circulation across heating elements and circulates into the chamber. The fan allows more consistent distribution of air and optional inert gas (Nitrogen Gas) purge system allows control oxidation of samples at high temperature treatment





BIG VOLUME FOR MORE DRYING

150 Lt.



LARGE LCD DISPLAY

Sophisticated digital controllers, multi segment programmers.



PERFECT AIR CIRCULATION

2 X 750 rpm circulation fans



PROGRAMMABLE CONTROLLER

5 program 5 step



EFFICIENT

Energy efficient low thermal mass insulation



SAFETY

With the original leakage current relay, door switch

GENERAL DATA

Device	CLOF-150H
Device type	High Temperature Oven
Warranty	2 Year
Identification	CE, EU Standarts
Quality management	DIN EN ISO 9001:2008

GENERAL TECHNICAL DATA

Capacity	150 Lt.
Temperature	Amb. +5°C to 350°C / PT100
Accurate	± 0.5°C at 100°C
Uniformity	±2.0°C at 100°C
Timer / Alarm	99hr59min / Error&Timer end
Heat-up Time	35 min.to100°C, 75 min.to190°C
Display	Graphic LCD
Resolution	Control : ±1.0°C, Display : ±1°C
Shelves	Included 2 ea SS Shelves
Controller	Full Automatic PID for Temp
Air Circulation	2 EA High Performance Fan

MATERIAL-SPECIFIC DATA

Material of work area	1.5 mm ss, 1.4301
Shelf material	1.5 mm ss, 1.4301
Housing material	Powder-coated 1.2 mm thick Zincor steel plate, material no.: 1.0330

ELECTRICAL DATA 150T

Nominal voltage	220V AC
Nominal frequency	50 Hz
Power consumption	3.000W

DIMENSIONS 150T

Interior (WxDxH, mm)	500 x 500 x 600
Exterior (WxDxH, mm)	945 x 660 x 880
Packing (WxDxH, mm)	1045 x 760 x 980
Gross Weight	80 kg

OPTIONS

Stainless Steel Shelves

IMMERSION BATH

CLIB-24T

Affordable cooling thermostats for maintaining temperatures from amb +5 to 100 °C in the lab Our CLIB series reliable technology and modern design for temperature ranges from amb +5 to 100 °C This line of devices is suitable for internal and external temperature control thermostating with non-flammable liquids (water and water/glycol). The thermostats are the perfect solution for most basic temperature control applications in the lab. Reduced down to the most essential functions, this affordable product will win you over with its reliability and user-friendly.





INTERNAL & EXTERNAL CIRCULATION

15 L/min



POWERFULL CIRCULATION MOTOR

0.25 bar pressure



PERFECT TEMP CONTROL

Microprocessor PID control 0.1°C temperature stability



LCD DISPLAY

User friendly 2x16 LCD Display Bright LCD display with quick adjustable button. Simple and quick control panel.



SAFETY

Complete safety protection system with warning alarms. Low fluid level dry running, over temperature, over current.

GENERAL DATA

Device	CLIB-24T
Device type	Immersion Bath
Warranty	2 Year
Identification	CE, EU Standarts
Quality management	DIN EN ISO 9001:2008

GENERAL TECHNICAL DATA

Capacity	24 Lt.
Sensor	PT 100
Working Temp	Amb +5 ~ 100 C
Heating Capacity	1.500 W
Connection	Standart 8 mm
Controller	Full Automatic PID control software
Timer	99.59 min or Continious
Resolution	0.1 C for Control and Display
Drain	Uniq manual drain valve
Bath Cover	Including

MATERIAL-SPECIFIC DATA

Material of work area	1.2 mm ss 304, 1.4301
Housing material	Powder-coated 1.2 mm thick Zincor steel plate

ELECTRICAL DATA

Nominal voltage	220V AC
Nominal frequency	50 Hz
Power consumption	1.650 W

DIMENSIONS

Interior (WxDxH, mm)	400 x 300 x 200
Exterior (WxDxH, mm)	470 x 410 x 380
Packing (WxDxH, mm)	570 x 510 x 480
Gross Weight	15 kg

OPTIONS

Heating Liquid
Thermo hose with isolation

REFRIGERATED CIRCULATOR

CLRC-04C

Affordable cooling thermostats for maintaining temperatures from -10 to 60 °C in the lab. Our CLRC series reliable technology and modern design for temperature ranges from -10 to 60 °C. This line of devices is suitable for external temperature control thermostating with non-flammable liquids (water and water/glycol). The thermostats are the perfect solution for most basic temperature control applications in the lab. Reduced down to the most essential functions, this affordable product line will win you over with its reliability and user friendliness.





INTERNAL & EXTERNAL CIRCULATION

15 L/min



POWERFULL CIRCULATION MOTOR

0.25 bar pressure



PERFECT TEMP CONTROL

Microprocessor PID control 0.1°C temperature stability



LCD DISPLAY

User friendly 2x16 LCD Display Bright LCD display with quick adjustable button. Simple and quick control panel.



SAFETY

Complete safety protection system with warning alarms. Low fluid level dry running, over temperature, over current.



CFC FREE COOLANT

CFC Free
R449 Coolant

GENERAL DATA

Device	CLRC-04C
Device type	Refrigerated Circulation Bath
Warranty	2 Year
Identification	CE, EU Standarts
Quality management	DIN EN ISO 9001:2008

GENERAL TECHNICAL DATA

Capacity	4 Lt.
Sensor	PT 100
Working Temp	- 10 ~ 60 C
Heating Capacity	1.000 W
Cooling Capacity at 0 °C	150 W
Connection	Standart 8 mm
Controller	Full Automatic PID control software
Timer	99.59 min or Continious
Resolution	0.1 C for Control and Display
Drain	Uniq manual drain valve

MATERIAL-SPECIFIC DATA

Material of work area	1.2 mm ss 304, 1.4301
Housing material	Powder-coated 1.2 mm thick Zincor steel plate

ELECTRICAL DATA

Nominal voltage	220V AC
Nominal frequency	50 Hz
Power consumption	1.500 W

DIMENSIONS

Overall (WxDxH, mm)	270 x 540 x 380
Packing (WxDxH, mm)	400 x 650 x 500
Gross Weight	20 kg

OPTIONS

Heating & Cooling Liquid
Thermo hose with isolation

REFRIGERATED CIRCULATOR

CLRC-05C / 05CL

Affordable cooling thermostats for maintaining temperatures from -20 to 100 °C (-40 to 100°C) in the lab. Our CLRC series reliable technology and modern design for temperature ranges from -20 to 100 °C (-40 to 100°C). This line of devices is suitable for external temperature control thermostating with non-flammable liquids (water and water/glycol). The thermostats are the perfect solution for most basic temperature control applications in the lab. Reduced down to the most essential functions, this affordable product line will win you over with its reliability and user friendliness.





INTERNAL & EXTERNAL CIRCULATION

15 L/min



POWERFULL CIRCULATION MOTOR

0.25 bar pressure



PERFECT TEMP CONTROL

Microprocessor PID control 0.1°C temperature stability



LCD DISPLAY

User friendly 2x16 LCD Display Bright LCD display with quick adjustable button. Simple and quick control panel.



SAFETY

Complete safety protection system with warning alarms. Low fluid level dry running, over temperature, over current.



CFC FREE COOLANT

CFC Free
R449 Coolant

GENERAL DATA

Device	CLRC-05C / 05CL
Device type	Refrigerated Circulation Bath
Warranty	2 Year
Identification	CE, EU Standarts
Quality management	DIN EN ISO 9001:2008

GENERAL TECHNICAL DATA

Capacity	7 Lt.
Sensor	PT 100
Working Temp	05C: -20 to 100°C, 05CL: -40 to 100°C
Heating Capacity	1.500 W
Cooling Capacity at 0 °C	35 min.to100°C, 75 min.to190°C
Connection	Standart 8 mm
Controller	Full Automatic PID control software
Timer	99.99 min or Continious
Resolution	0.1 C for Control and Display
Drain	Uniq manual drain valve

MATERIAL-SPECIFIC DATA

Material of work area	1.2 mm ss 304, 1.4301
Housing material	Powder-coated 1.2 mm thick Zincor steel plate

ELECTRICAL DATA

Nominal voltage	220V AC
Nominal frequency	50 Hz
Power consumption	1.950 W

DIMENSIONS

Overall (WxDxH, mm)	310 x 470 x 580
Packing (WxDxH, mm)	500 x 600 x 650
Gross Weight	35 kg

OPTIONS

Heating & Cooling Liquid
Thermo hose with isolation

REFRIGERATED CIRCULATOR

CLRC-08C / 08CL

Affordable cooling thermostats for maintaining temperatures from -20 to 100 °C (-40 to 100°C) in the lab. Our CLRC series reliable technology and modern design for temperature ranges from -20 to 100 °C (-40 to 100°C). This line of devices is suitable for external temperature control thermostating with non-flammable liquids (water and water/glycol). The thermostats are the perfect solution for most basic temperature control applications in the lab. Reduced down to the most essential functions, this affordable product line will win you over with its reliability and user friendliness.





INTERNAL & EXTERNAL CIRCULATION

15 L/min



POWERFULL CIRCULATION MOTOR

0.25 bar pressure



PERFECT TEMP CONTROL

Microprocessor PID control 0.1°C temperature stability



LCD DISPLAY

User friendly 2x16 LCD Display Bright LCD display with quick adjustable button. Simple and quick control panel.



SAFETY

Complete safety protection system with warning alarms. Low fluid level dry running, over temperature, over current.



CFC FREE COOLANT

CFC Free
R449 Coolant

GENERAL DATA

Device	CLRC-05C / 05CL
Device type	Refrigerated Circulation Bath
Warranty	2 Year
Identification	CE, EU Standarts
Quality management	DIN EN ISO 9001:2008

GENERAL TECHNICAL DATA

Capacity	7.5 Lt.
Sensor	PT 100
Working Temp	08C: -20 to 100°C, 08CL: -40 to 100°C
Heating Capacity	1.500 W
Cooling Capacity at 0 °C	35 min.to100°C, 75 min.to190°C
Connection	Standart 8 mm
Controller	Full Automatic PID control software
Timer	99.59 min or Continious
Resolution	0.1 C for Control and Display
Drain	Uniq manual drain valve

MATERIAL-SPECIFIC DATA

Material of work area	1.2 mm ss 304, 1.4301
Housing material	Powder-coated 1.2 mm thick Zincor steel plate

ELECTRICAL DATA

Nominal voltage	220V AC
Nominal frequency	50 Hz
Power consumption	1.950 W

DIMENSIONS

Bath (WxDxH, mm)	165 x 190 x 160
Overal (WxDxH, mm)	235 x 500 x 605
Packing (WxDxH, mm)	350 x 700 x 720
Gross Weight	25 kg

OPTIONS

Heating & Cooling Liquid
Thermo hose with isolation

REFRIGERATED CIRCULATOR

CLRC-17C / 17CL

Affordable cooling thermostats for maintaining temperatures from -20 to 100 °C (-40 to 100°C) in the lab. Our CLRC series reliable technology and modern design for temperature ranges from -20 to 100 °C (-40 to 100°C). This line of devices is suitable for external temperature control thermostating with non-flammable liquids (water and water/glycol). The thermostats are the perfect solution for most basic temperature control applications in the lab. Reduced down to the most essential functions, this affordable product line will win you over with its reliability and user friendliness.





INTERNAL & EXTERNAL CIRCULATION

17 L/min



POWERFULL CIRCULATION MOTOR

0.50 bar pressure



TOUCH SCREEN DISPLAY

A high-resolution touchscreen display, where all parameters can be easily set and monitored.



INTELLIGENT PROGRAM CONTROL

7 programs available for temperature ramp up and dwell control. 7 steps per a program and 99 hours 59 minutes per.



PERFECT TEMP CONTROL

Microprocessor PID control 0.1°C temperature stability



CFC FREE COOLANT

CFC Free
R507 coolant



CONVENIENCE

Quick-release front grill for easy cleaning of the condenser, Side handles enables convenience handling and transport.



SAFETY SECURITY

Complete safety protection system with warning alarms. Low fluid level and dry running, over temperature, over current.

GENERAL DATA

Device	CLRC-17C / 17CL
Device type	Refrigerated Circulation Bath
Warranty	2 Year
Identification	CE, EU Standarts
Quality management	DIN EN ISO 9001:2008

GENERAL TECHNICAL DATA

Capacity	17 Lt.
Sensor	PT 100
Working Temp	17C: -20 to 100°C, 17CL: -40 to 100°C
Heating Capacity	1.500 W
Cooling Capacity at 0 °C	620 W
Connection	Standart 10 mm
Controller	Full Automatic PID control software
Timer	99.59 min or Continious
Resolution	0.1 C for Control and Display
Drain	Uniq manual drain valve
Bath Cover	Including

MATERIAL-SPECIFIC DATA

Material of work area	1.2 mm ss 304, 1.4301
Housing material	Powder-coated 1.2 mm thick Zincor steel plate

ELECTRICAL DATA

Nominal voltage	220V AC
Nominal frequency	50 Hz
Power consumption	2.200 W

DIMENSIONS

Bath (WxDxH, mm)	175 x 230 x 150
Overall (WxDxH, mm)	330 x 474 x 752
Packing (WxDxH, mm)	430 x 574 x 852
Gross Weight	50 kg

OPTIONS

Heating & Cooling Liquid
Thermo hose with isolation

REFRIGERATED CIRCULATOR

CLRC-30C / 30CL

Affordable cooling thermostats for maintaining temperatures from -20 to 100 °C (-40 to 100°C) in the lab. Our CLRC series reliable technology and modern design for temperature ranges from -20 to 100 °C (-40 to 100°C). This line of devices is suitable for external temperature control thermostating with non-flammable liquids (water and water/glycol). The thermostats are the perfect solution for most basic temperature control applications in the lab. Reduced down to the most essential functions, this affordable product line will win you over with its reliability and user friendliness.





INTERNAL & EXTERNAL CIRCULATION

17 L/min



PERFECT TEMP CONTROL

Microprocessor PID control 0.1°C temperature stability



POWERFULL CIRCULATION MOTOR

0.50 bar pressure



CFC FREE COOLANT

CFC Free
R507 coolant



TOUCH SCREEN DISPLAY

A high-resolution touchscreen display, where all parameters can be easily set and monitored.



CONVENIENCE

Quick-release front grill for easy cleaning of the condenser, Side handles enables convenience handling and transport.



INTELLIGENT PROGRAM CONTROL

7 programs available for temperature ramp up and dwell control. 7 steps per a program and 99 hours 59 minutes per.



SAFETY SECURITY

Complete safety protection system with warning alarms. Low fluid level and dry running, over temperature, over current.

GENERAL DATA

Device	CLRC-30C / 30CL
Device type	Refrigerated Circulation Bath
Warranty	2 Year
Identification	CE, EU Standarts
Quality management	DIN EN ISO 9001:2008

GENERAL TECHNICAL DATA

Capacity	30 Lt.
Sensor	PT 100
Working Temp	30C: -20 to 100°C, 30CL: -40 to 100°C
Heating Capacity	2.200 W
Cooling Capacity at 0 °C	870 W
Connection	Standart 10 mm
Controller	Full Automatic PID control software
Timer	99.59 min or Continious
Resolution	0.1 C for Control and Display
Drain	Uniq manual drain valve
Bath Cover	Including

MATERIAL-SPECIFIC DATA

Material of work area	1.2 mm ss 304, 1.4301
Housing material	Powder-coated 1.2 mm thick Zincor steel plate

ELECTRICAL DATA

Nominal voltage	220V AC
Nominal frequency	50 Hz
Power consumption	3.000 W

DIMENSIONS

Bath (WxDxH, mm)	230 x 350 x 150
Overall (WxDxH, mm)	400 x 523 x 807
Packing (WxDxH, mm)	500 x 623 x 907
Gross Weight	50 kg

OPTIONS

Heating & Cooling Liquid
Thermo hose with isolation

CHILLER

CLCH-2525

Affordable cooling thermostats for maintaining temperatures from -10 to 60 °C in the lab. Our CLRC series reliable technology and modern design for temperature ranges from -10 to 600 °C. This line of devices is suitable for external temperature control, thermostating with non-flammable liquids (water and water/glycol). The thermostats are the perfect solution for most basic temperature control applications in the lab. Reduced down to the most essential functions, this affordable product line will win you over with its reliability and user-friendliness.





INTERNAL & EXTERNAL CIRCULATION

35 L/min



POWERFULL CIRCULATION MOTOR

3 bar pressure



TOUCH SCREEN DISPLAY

A high-resolution touchscreen display, where all parameters can be easily set and monitored.



EXTERNAL TEMPERATURE SENSOR (PT 100)

External temperature sensor for precise temperature control



PERFECT TEMP CONTROL

Microprocessor PID control 0.1°C temperature stability



CFC FREE COOLANT

CFC Free
R449 coolant



CONVENIENCE

Quick-release front grill for easy cleaning of the condenser, Side handles enables convenience handling and transport.



SAFETY SECURITY

Complete safety protection system with warning alarms. Low fluid level and dry running, over temperature, over current.

GENERAL DATA

Device	CLCH-2525
Device type	Chiller
Warranty	2 Year
Identification	CE, EU Standarts
Quality management	DIN EN ISO 9001:2008

GENERAL TECHNICAL DATA

Capacity	30 Lt.
Sensor	PT 100
Circulation Pressure	3 Bar
Circulation Flow	30 L/min
Working Temp	- 20 ~ 60 °C
Heating Power	1,500 W
Cooling Capacity at 20°C	3,500 W
Cooling Capacity at 0°C	2,525 W
Connection	10 mm
Timer	99.59 min or Continuous
Controller	Full Automatic PID control software

MATERIAL-SPECIFIC DATA

Material of work area	1.2 mm ss 304, 1.4301
Housing material	Powder-coated 1.2 mm thick Zincor steel plate

ELECTRICAL DATA

Nominal voltage	220V AC
Nominal frequency	50 Hz
Power consumption	5.000 W

DIMENSIONS

Overall (WxDxH, mm)	1050 x 630 x 800
Packing (WxDxH, mm)	1250 x 730 x 900
Gross Weight	60 kg

OPTIONS

Heating & Cooling Liquid
Thermo hose with isolation

COLD TRAP

CLCT-40C

In vacuum applications, CLCT-Series tabletop Cold Trap baths provides freezing temperature -40°C condensates and removes vapor or moisture being evacuated in the vacuum line to protect the vacuum pump from corrosion. The traps may also be used in other laboratory applications such as reactor, vacuum evaporator or vacuum centrifuge.





SUPERIOR PERFORMANCE

Temperature control from ambient
temperature to -40°C



PERFECT TEMP CONTROL

Microprocessor PID control 0.1°C
temperature stability



POWERFULL COOLING SYSTEM

1/2 HP, R-507A (LBP)



CFC FREE COOLANT

CFC Free R449 coolant



SCREEN DISPLAY

Easy to read LED
temperature display.



SAFETY SECURITY

Complete safety protection system with warning
alarms. Low fluid level and dry running, over
temperature, over current.

GENERAL DATA

Device	CLCT-40C
Device type	Cold Trap
Warranty	2 Year
Identification	CE, EU Standarts
Quality management	DIN EN ISO 9001:2008

GENERAL TECHNICAL DATA

Capacity	4.5 Lt.
Sensor	PT 100
Working Temp	Amb. ~ -40 °C
Cooling Capacity at 20°C	650 W
Controller	Full automatic On-Off control
Timer	99.99 min or Continuous
Resolution	0.1 C for Control and Display
Drain	Uniq manual drain valve
Bath Cover	Including

MATERIAL-SPECIFIC DATA

Material of work area	1.2 mm ss 304, 1.4301
Housing material	Powder-coated 1.2 mm thick Zincor steel plate

ELECTRICAL DATA

Nominal voltage	220V AC
Nominal frequency	50 Hz
Power consumption	850 W

DIMENSIONS

Overall (WxDxH, mm)	370 x 460 x 640
Packing (WxDxH, mm)	500 x 600 x 800
Gross Weight	30 kg

OPTIONS

Cooling liquid
Glass or metal trap

COLD TRAP

CLCT-045

The CLCT-045 cold trap means that evaporation tasks in the laboratory are now easier and less expensive. It has been specifically developed to offer highly efficient solvent recovery under laboratory conditions. The CLCT-045 cold trap can be connected to rotary evaporators or other applications requiring temperatures down to -40°C and low operating costs. Its compact design takes up minimal space on the laboratory bench. Thanks to the natural coolant, the cold trap operates in an environmentally friendly manner. It is also robust and durable due to the high-quality materials used in its production. The evaporator is made of stainless steel.





GLASS BODY EVAPORATOR

Glass body for easy
traceability



PERFECT TEMP CONTROL

Microprocessor On-Off control 1°C
temperature stability



POWERFULL COOLING SYSTEM

1/2 HP (LBP)



CFC FREE COOLANT

CFC Free R449 coolant



SCREEN DISPLAY

Easy to read LED
temperature display.



SAFETY SECURITY

Complete safety protection system with warning
alarms. Low fluid level and dry running, over
temperature, over current.

GENERAL DATA

Device	CLCT-045
Device type	Cold Trap
Warranty	2 Year
Identification	CE, EU Standarts
Quality management	DIN EN ISO 9001:2008

GENERAL TECHNICAL DATA

Capacity	4.5 Lt.
Sensor	PT 100
Working Temp	Amb. ~ -40 °C
Cooling Capacity at 20°C	650 W
Controller	Full automatic On-Off control
Timer	99.99 min or Continuous
Resolution	0.1 C for Control and Display
Drain	Uniq manual drain valve
Bath Cover	Including

MATERIAL-SPECIFIC DATA

Material of work area	1.2 mm ss 304, 1.4301
Housing material	Powder-coated 1.2 mm thick Zincor steel plate

ELECTRICAL DATA

Nominal voltage	220V AC
Nominal frequency	50 Hz
Power consumption	850 W

DIMENSIONS

Overall (WxDxH, mm)	370 x 460 x 640
Packing (WxDxH, mm)	500 x 600 x 800
Gross Weight	30 kg

OPTIONS

Cooling liquid
Glass or metal trap

WATER DISTILLER

CLWD SERIES

CLS Water Stills are used in research and development, e.g for preparing bacteriological and medical samples, for cell and tissue cultures as well as for the production of reagents and unguents. Moreover, distillate is used for cleaning and sterilisation processes, for buffered solutions as well as microbiological and analytical applications.





EASY CLEANNING

Evaporator easily accessible for cleaning purposes.



EASY OPERATION

Water Still for single distillation (fully automatic) with storage tank, suitable for both bench and wall mounting.



BIG STORAGE TANK

The distillate storage tank accepts twice the hourly capacity of the still.



ECONOMICAL OPERATION COST

Economical energy consumption by distillation of the heated cooling water.



LONG LIFE

Heating element, evaporator, storage tank and condenser made of stainless steel.



SAFETY SECURITY

Thermostatic low water cut-off.

GENERAL DATA

Device	CLWD
Device type	Water Stills
Warranty	2 Year
Identification	CE, EU Standarts
Quality management	DIN EN ISO 9001:2008

GENERAL TECH. DATA	04	08
Capacity	4 Lt./h	8 Lt./h
Storage Tank	12 Lt.	16 Lt.
Heating Power	3 kW	6 kW
Cooling Water Using	48L/h	72L/h
Distillation Type	Single Type	
Controller	Full automatic On-Off control	
Drain	Manual drain valve	

MATERIAL-SPECIFIC DATA

Material of work area	1.2 mm ss 304, 1.4301
Housing material	1.2 mm ss 304, 1.4301

ELECTRICAL DATA	04	08
Nominal voltage	220V AC	220V AC
Nominal frequency	50 Hz	50 Hz
Power consumption	3000 W	6000 W

DIMENSIONS	04	08
Overall (WxDxH, mm)	350x650x510	350x650x610
Packing (WxDxH, mm)	450x750x610	450x750x710
Gross Weight	15 kg	25 kg

OPTIONS
Inlet water filter

** These devices can be developed and customized according to your needs.*

MUFFLE FURNACE

CLMF SERIES

The CLMF range of general purpose laboratory chamber furnaces is bench mounted. Models are available in five size with maximum operating temperature up to 1.400°C. Ideal for experiments and process needs high temperature up to 1.400°C such as chemical analysis, annealing loss determination, materials testing and ashing processes.





BIG VOLUME FOR MORE DRYING

5-10-15 Lt. option



VERTICAL LIFT DOOR

Vertical lift door keeps heated surface away from the use



ENERGY EFFICIENT

Energy efficient low thermal mass insulation



LARGE LCD DISPLAY

Sophisticated digital controllers, multi segment programmers.



PROGRAMMABLE CONTROLLER

10 program
10 step



SAFETY SECURITY

With the original leakage current relay, door switch

GENERAL DATA

Device	CLMF
Device type	Muffle Furnace
Warranty	2 Year
Identification	CE, EU Standarts
Quality management	DIN EN ISO 9001:2008

GENERAL TECH. DATA

Capacity	5 - 10 - 15 Lt.
Temperature	1.100 - 1.200 - 1.400
Thermocouple	K type
Display	128x64 Graphic LCD
Controller	Full automatic temp. programmer

HEAT-UP TIME	5 LT.	10 LT.	15 LT.
0 to 1.100°C	47 min	75 min	90 min
0 to 1.200°C	52 min	80 min	95 min
0 to 1.400°C	62 min	90 min	105 min

** These devices can be developed and customized according to your needs.*

MATERIAL-SPECIFIC DATA

Material of work area	Low thermal mass insulation and free radiating wire elements
Housing material	Powder-coated 1.2 mm thick Zincor steel plate, material no.: 1.0330

ELECTRICAL DATA	5 LT.	10 LT.	15 LT.
Nominal voltage	220V AC	220V AC	220V AC
Nominal frequency	50 Hz	50 Hz	50 Hz
Power consumption	2.000 W	3.500 W	4.750 W

DIMENSIONS	5 LT.	10 LT.	15 LT.
Interior (WxDxH, mm)	152x152x220	186x346x157	220x380x185
Exterior (WxDxH, mm)	370x520x550	410x660x550	530x700x470
Packing (WxDxH, mm)	500x650x700	550x800x700	650x850x600
Gross Weight	25 kg	30 kg	35 kg

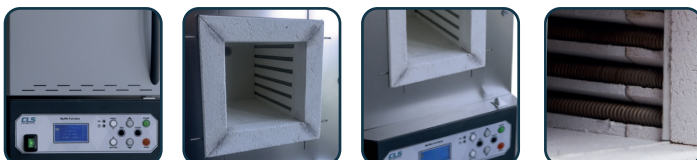
OPTIONS

Over-temperature protection

MUFFLE FURNACE

CLMF ECO SERIES

The CLMF Eco Series muffle furnace is an energy-efficient and economical model. Unlike standard models, it features a side-opening door, which enhances ease of use. This design not only promotes energy savings but also provides a user-friendly experience. The Eco Series is an ideal choice for laboratories and industrial applications seeking environmentally friendly and cost-effective solutions.





BIG VOLUME FOR MORE DRYING

5-10-15 Lt. option



HORIZONTAL OPEN DOOR

Horizontal open door keeps heated surface away from the use



ENERGY EFFICIENT

Energy efficient low thermal mass insulation



LARGE LCD DISPLAY

Sophisticated digital controllers, multi segment programmers.



PROGRAMMABLE CONTROLLER

5 program
5 step



SAFETY SECURITY

With the original leakage current relay, door switch

GENERAL DATA

Device	CLMF ECO
Device type	Muffle Furnace
Warranty	2 Year
Identification	CE, EU Standarts
Quality management	DIN EN ISO 9001:2008

GENERAL TECH. DATA

Capacity	5 - 10 - 15 Lt.
Temperature	1.200
Thermocouple	K type
Display	128x64 Graphic LCD
Controller	Full automatic temp. programmer

HEAT-UP TIME	5 LT.	10 LT.	15 LT.
0 to 1.200°C	47 min	75 min	90 min

** These devices can be developed and customized according to your needs.*

MATERIAL-SPECIFIC DATA

Material of work area	Low thermal mass insulation and free radiating wire elements
Housing material	Powder-coated 1.2 mm thick Zincor steel plate, material no.: 1.0330

ELECTRICAL DATA	5 LT.	10 LT.	15 LT.
Nominal voltage	220V AC	220V AC	220V AC
Nominal frequency	50 Hz	50 Hz	50 Hz
Power consumption	2.000 W	3.500 W	4.750 W

DIMENSIONS	5 LT.	10 LT.	15 LT.
Interior (WxDxH, mm)	152x152x220	186x346x157	220x380x185
Exterior (WxDxH, mm)	370x520x550	410x660x550	530x700x470
Packing (WxDxH, mm)	500x650x700	550x800x700	650x850x600
Gross Weight	25 kg	30 kg	35 kg

OPTIONS

Over-temperature protection

TUBE MUFFLE FURNACE

CLTF SERIES

CLTF tube muffle furnaces are commonly used in applications where precise temperature control and uniform heating are essential, such as in materials science, chemistry, metallurgy, and ceramics manufacturing. They are available in various sizes and configurations to accommodate different sample sizes and heating requirements. Additionally, modern tube muffle furnaces may include features such as programmable temperature control, digital displays, and safety interlocks to ensure reliable operation and user safety.





LARGE DIAMETER HEATING ZONE

20cm/30cm/40cm/50cm



LARGE LCD DISPLAY

Sophisticated digital controllers, multi segment programmers.



HORIZONTAL OPEN DOOR

Horizontal open door keeps heated surface away from the use



ENERGY EFFICIENT

Energy efficient low thermal mass insulation



PROGRAMMABLE CONTROLLER

5 program
5 step



SAFETY SECURITY

With the original leakage current relay, door switch

GENERAL DATA

Device	CLMF ECO
Device type	Muffle Furnace
Warranty	2 Year
Identification	CE, EU Standarts
Quality management	DIN EN ISO 9001:2008

GENERAL TECH. DATA

Quartz tube dia (mm)	50Ø / 70Ø / 80Ø
Temperature	1.200
Thermocouple	K type
Display	128x64 Graphic LCD
Controller	Full automatic temp. programmer

HEAT-UP TIME	50Ø	70Ø	80Ø
0 to 1.200°C	30 min	30 min	30 min

** These devices can be developed and customized according to your needs.*

MATERIAL-SPECIFIC DATA

Material of work area	Low thermal mass insulation and free radiating wire elements
Housing material	Powder-coated 1.2 mm thick Zincor steel plate, material no.: 1.0330

ELECTRICAL DATA	50Ø	70Ø	80Ø
Nominal voltage	220V AC	220V AC	220V AC
Nominal frequency	50 Hz	50 Hz	50 Hz
Power consumption	2.000 W	3.500 W	4.750 W

DIMENSIONS	50Ø	70Ø	80Ø
Heating Zone(WxD,mm)	50x30	70x40	80x50
Exterior (WxDxH, mm)	560 x 350 x 450(+260 Open Cover)		
Packing (WxDxH, mm)	700 x 500 x 600		
Gross Weight	20 kg	30 kg	35 kg

OPTIONS

Over-temperature protection

MILK CENTRIFUGE

CLMC-1508

Bench centrifuge with angular rotor for butyrometric fat determination according to CLMC Milk Centrifuge, as well as for the determinaiton of the solubility of milk powder with special solubility index tubes.





DIGITAL VACUUM CONTROL

Automatic brake (braking time < 8s)



LARGE LCD DISPLAY

Sophisticated digital controllers, multi segment programmers.



HEATING SYSTEM

Temperature adjustable in 1°C steps from room temperature up to 65 °C (can be switched off)



DIGITAL TIMER

Digital centrifugation timer

GENERAL DATA

Device	CLMC-1508
Device type	Milk Centrifuge
Warranty	2 Year
Identification	CE, EU Standarts
Quality management	DIN EN ISO 9001:2008

GENERAL TECH. DATA

Capacity	8 butyrometers
Temperature	AMB up to 65 °C
RPM-RCF	1.350 rpm - 350 g
Display	2x16 LCD
Controller	Full Automatic PID for Temp & Motor Speed

OPTIONS

Butyrometers

MATERIAL-SPECIFIC DATA

Material of work area	Powder-coated 1.2 mm thick Zincor steel plate, aluminium
Housing material	Powder-coated 1.2 mm thick Zincor steel plate, material no.: 1.0330

ELECTRICAL DATA

Nominal voltage	220V AC
Nominal frequency	50 Hz
Power consumption	750 W

DIMENSIONS

Exterior (WxDxH, mm)	470 x 380 x 250
Packing (WxDxH, mm)	570 x 480 x 350
Gross Weight	15 kg

PEDDLE MIXER-STOMACHER

CLPM-400

Avoiding all risks of cross-contamination, Peddle Mixer 400 W is an easy-to-use and powerful lab blender. Adapted to all kinds of applications and with a guarantee of optimal bacterial extraction, it is a great tool for lab analyses!





EASY TO USE

Fully opening door (270°)



LARGE LCD DISPLAY

Sophisticated digital controllers, multi segment programmers.



FAST OPERATION

Only 60 seconds to homogenize a sample



VIEWABLE GLASS WINDOW

Viewable glass window



ADJUSTABLE

Adjustable blending time (30 -210 secs. or open-running)



SAFETY SECURITY

Door open switch

GENERAL DATA

Device	CLPM-400
Device type	Peddle mixer-Stomacher
Warranty	2 Year
Identification	CE, EU Standarts
Quality management	DIN EN ISO 9001:2008

GENERAL TECH. DATA

Capacity	400 ml
Blending time	from 99s to 59 min
Blending speed	12 strokes/s
Display	128 x 64 Graphic LCD
Controller	Full Automatic PID for Temp & Motor Speed

OPTIONS

Plastic Bag
Stainless Steel Drip Tray

MATERIAL-SPECIFIC DATA

Material of work area	Powder-coated 1.5 mm thick Zincor steel plate, 1.4301
Housing material	Powder-coated 1.2 mm thick Zincor steel plate, material no.: 1.0330

ELECTRICAL DATA

Nominal voltage	220V AC
Nominal frequency	50 Hz
Power consumption	400 W

DIMENSIONS

Exterior (WxDxH, mm)	290 x 450 x 370
Packing (WxDxH, mm)	390 x 550 x 470
Gross Weight	26 kg

SOXHLET EXTRACTION DEVICE

CLHP SERIES

The standard extraction method is the Soxhlet method. CLHP series extraction devices are the cost-effective and user-friendly solution for classic Soxhlet and fat extractions.





USER FRIENDLY

Easy operation for end user



VARIUS GLASSWARE OPTION

Soxhlet, Clevenger



ECONOMIC

Traditional soxhlet system is cheap than new generation device.



MATERIAL FRIENDLY

Safe for all glass parts.



FLEXIBLE

Can be work 250 - 500 - 1000 ml flask

GENERAL DATA

Device	CLHP Series
Device type	Soxhlet Extraction Device
Warranty	2 Year
Identification	CE, EU Standarts
Quality management	DIN EN ISO 9001:2008

GENERAL TECH. DATA

Capacity	1 - 3 - 6 position
Temperature	Ambient +5°C to 300°C
Sensor	K Type
Control	Analog Potentiometer
Heating plate	85 mm Diameter 450 W EACH

OPTIONS

Flask Adapter
Soxhlet Aparatus
Soxhlet Thimles
Silicon Hose
Refrigirated Circulator

MATERIAL-SPECIFIC DATA

Material of work area	1.2 mm thick stainless steel, material no.: 1.4301
Housing material	Powder-coated 1.2 mm thick Zincor steel plate, material no.: 1.0330

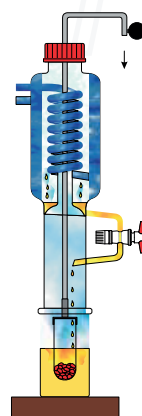
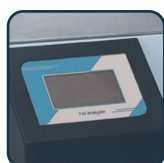
ELECTRICAL DATA	0185	0385	0685
Nominal voltage	220V AC	220V AC	220V AC
Nominal frequency	50 Hz	50 Hz	50 Hz
Power consumption	450 W	1.350 W	2.700 W

DIMENSIONS	0185	0385	0685
Exterior (WxDxH, mm)	295x205x815	685x205x815	1175x205x815
Packing (WxDxH, mm)	395x205x815	785x205x815	1275x205x815
Gross Weight	10 kg	20 kg	30 kg

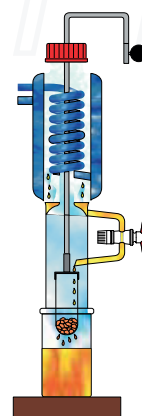
FAT ANALYZER

CLFA-60H

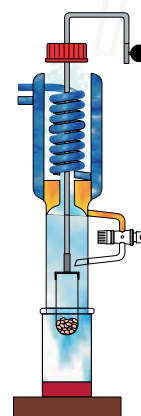
Manual apparatus for hot extraction according to Randall method. Several times faster than a customary Soxhlet extraction. Incl. 1 set of extraction thimbles, 100 ml.



Immerse



Wash



Dry



FAST OPERATION

Several times faster than
traditional Soxhlet method



TOUCH SCREEN DISPLAY

Several times faster than
traditional Soxhlet method



USER FRIENDLY

Easy using for end user



MONOBLOCK HEATING PLATE

All sample feet the same temperature



SOLVENT RECOVERY

%70 solvent recovery performance



CHEMICAL REZISTANCE

Ptfe Stopcock for best performance

GENERAL DATA

Device	CLFA-60H
Device type	Fat Analyzer
Warranty	2 Year
Identification	CE, EU Standarts
Quality management	DIN EN ISO 9001:2008

GENERAL TECH. DATA

Capacity	6 sample
Temperature	Room temperature +5°C~300°C
Measuring range	0.1~100%
Temperature accuracy	±1°C
Display	5" Full Touch Screen TFT LCD
Sample weight	0.5~15g
Capacity per batch	6pcs/batch
Solvent cup volume	80mL

MATERIAL-SPECIFIC DATA

Material of work area	Aluminium
Housing material	Powder-coated 1.2 mm thick Zincor steel plate, material no.: 1.0330

ELECTRICAL DATA

Nominal voltage	220V AC
Nominal frequency	50 Hz
Power consumption	1.500 W

DIMENSIONS

Exterior (WxDxH, mm)	650 x 320 x 715
Packing (WxDxH, mm)	750 x 420 x 815
Gross Weight	35 kg

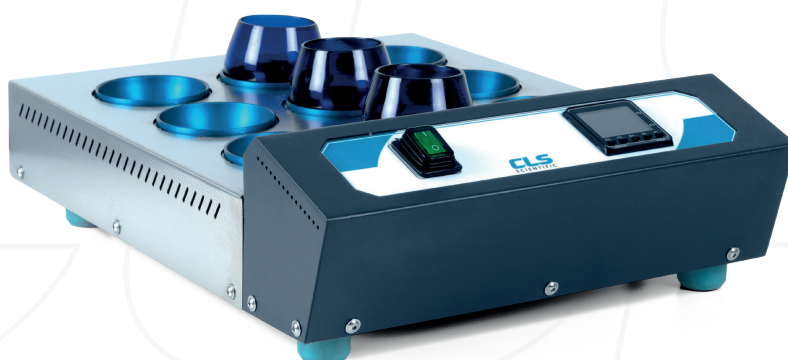
OPTIONS

Soxhlet Thimles
Silicon Hose
Refrigerated Circulator

OLIVE OIL SAMPLE HEATER

CLOO-09P

Device for heating oil samples according to COI – International Olive Council's standard. The samples shall be organoleptically examined at a set temperature which, in the case of edible oils, shall be $28 \pm 2^{\circ}\text{C}$. For this purpose, a heating device shall be installed in each booth within the taster's reach.





USER FRIENDLY

User-friendly microprocessor technique



UNIVERSAL CONTROLLER

Easy to use universal controller



PERFECT TEMP TRANSFER

Precise temperature transfer with aluminum block design



SAFETY SECURITY

Over load relay

GENERAL DATA

Device	CLOO-09P
Device type	Olive Oil Sample Heater
Warranty	2 Year
Identification	CE, EU Standarts
Quality management	DIN EN ISO 9001:2008

GENERAL TECH. DATA

Capacity	9 sample
Temperature range	+5 ~ 50°C
Accuracy	1°C
Control	Full Automatic PID for Temp

OPTIONS

Glass Cup
Glass Cover
External Temp Sensor

MATERIAL-SPECIFIC DATA

Material of work area	Powder-coated 1.2 mm thick Zincor steel plate, material no.: 1.0330
Housing material	600 series aluminium

ELECTRICAL DATA

Nominal voltage	220V AC
Nominal frequency	50 Hz
Power consumption	150 W

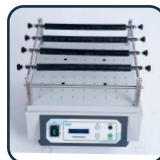
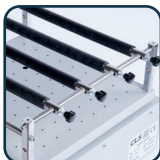
DIMENSIONS

Exterior (WxDxH, mm)	250 x 450 x 120
Packing (WxDxH, mm)	400 x 600 x 250
Gross Weight	5 kg

ORBITAL SHAKER

CLOS SERIES

What counts when growing micro-organisms, cell and tissue cultures is a “reliable colleague” - an indispensable ingredient for successful work in biochemistry, microbiology, biotechnology, bacteriology and virology. Thus, this unit is particularly well-suited for use in laboratories, incubation and moderating rooms in ambient temperatures between +50 °C.





USER FRIENDLY

User-friendly microprocessor technique



TOUCH SCREEN DISPLAY

2 x 16 LCD display



LOW NOISE LEVEL

Silently operating and universally applicable Orbital Shaker, long-lasting.



DUAL SHAKING TYPE

Orbital Shaker
Reciprocating Shaker



EXTRA LARGE PLATFORM

50 cm x 50 cm
Constant speed, independent of load.



SAFETY SECURITY

Over Load Relay

GENERAL DATA

Device	CLOS Series
Device type	Orbital Shaker
Warranty	2 Year
Identification	CE, EU Standarts
Quality management	DIN EN ISO 9001:2008

GENERAL TECHNICAL DATA

Capacity	20-35-75 kg
Shaking Motion	CLOS-300 Orbital
Shaking Motion	CLOS-500,CLOS-700 Orbital&Reciprocating
Speed Range	20 ~ 350 rpm (orbital)
Accuracy	± 1 rpm
Control	Microprocessor Feedback Control
Safety	Over-Speed Cut-Off

MATERIAL-SPECIFIC DATA

Material of work area	Powder-coated 1.2 mm thick Zincor steel plate 1.0330
Housing material	Powder-coated 1.2 mm thick Zincor steel plate 1.0330

ELECTRICAL DATA

Nominal voltage	220V AC
Nominal frequency	50 Hz
Power consumption	350 W

OPTIONS

Flask Adapter
Spring Rack
Seperatory Funnel Adapter

DIMENSIONS

	CLOS-300	CLOS-500	CLOS-700
Plate (WxDxH, mm)	330 x 330 x 19,5	445 x 495 x 19,5	735 x 745 x 19,5
Exterior (WxDxH, mm)	545 x 595 x 130	545 x 595 x 130	545 x 595 x 130
Packing Size	645 x 695 x 230	645 x 695 x 230	645 x 695 x 230
Gross Weight	20 kg	30 kg	45 kg

VACUUM PUMP

DrVAC-300

DrVAC are piston driven oil-free vacuum pumps. With their innovative electronic and mechanical design, CLS laboratory vacuum pumps are quiet, reduce vibration, compact in size and maintenance-free.

Applications: Filtration for microbiology testing, Air sampling, Suspended solids testing and vacuum filtration.





USER FRIENDLY

Easy to use for the end user



QUIET OPERATION

Low noise level for quiet operation



MAINTENANCE FREE

Easy to use, maintenance-free



WEATHER FILTER

Humidifier with filter cartridge



IP 30 PROTECTION



EASY TO READ VACUUM GAUGE AND REGULATOR



SAFETY SECURITY

Over Load Relay

GENERAL DATA

Device	DrVAC-300
Device type	Vacuum Pump
Warranty	2 Year
Identification	CE, EU Standarts
Quality management	DIN EN ISO 9001:2008

GENERAL TECHNICAL DATA

Max Vacuum	99 mBar
Max Suction	23 lt / min
Engine Speed	1750 rpm / min
Motor power	1/8 hp
Net weight	4 kg
Dimensions	26,8 x 13,5 x 20,4 cm

MATERIAL-SPECIFIC DATA

Material of work area	Aluminium
-----------------------	-----------

ELECTRICAL DATA

Nominal voltage	220V AC
Nominal frequency	50 Hz
Power consumption	65 W

OPTIONS

Silicon hose
Vacuum gauge
Exhaust filter

VACUUM PUMP

DrVAC-400

DrVAC are piston driven oil-free vacuum pumps. With their innovative electronic and mechanical design, CLS laboratory vacuum pumps are quiet, reduce vibration, compact in size and maintenance-free.

Applications: Filtration for microbiology testing, Air sampling, Suspended solids testing and vacuum filtration.





USER FRIENDLY

Easy to use for the end user



QUIET OPERATION

Low noise level for quiet operation



MAINTENANCE FREE

Easy to use, maintenance-free



WEATHER FILTER

Humidifier with filter cartridge



IP 30 PROTECTION



EASY TO READ VACUUM GAUGE AND REGULATOR



SAFETY SECURITY

Over Load Relay

GENERAL DATA

Device	DrVAC-400
Device type	Vacuum Pump
Warranty	2 Year
Identification	CE, EU Standarts
Quality management	DIN EN ISO 9001:2008

GENERAL TECHNICAL DATA

Max Vacuum	99 mBar
Max Suction	37 lt / min
Engine Speed	1750 rpm / min
Motor power	1/6 hp
Net weight	5,2 kg
Dimensions	31 x 13,5 x 20,4 cm

MATERIAL-SPECIFIC DATA

Material of work area	Aluminium
-----------------------	-----------

ELECTRICAL DATA

Nominal voltage	220V AC
Nominal frequency	50 Hz
Power consumption	100 W

OPTIONS

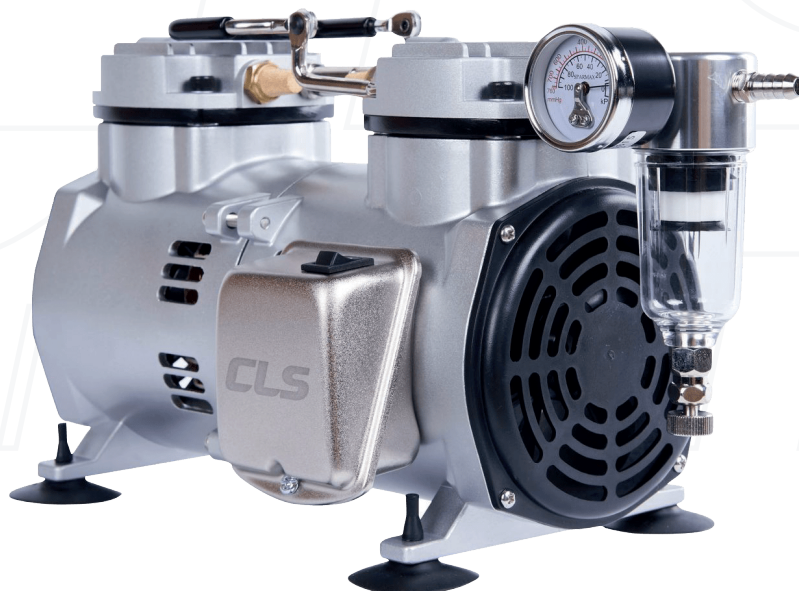
Silicon hose
Vacuum gauge
Exhaust filter

VACUUM PUMP

DrVAC-600

DrVAC are piston driven oil-free vacuum pumps. With their innovative electronic and mechanical design, CLS laboratory vacuum pumps are quiet, reduce vibration, compact in size and maintenance-free.

Applications: Filtration for microbiology testing, Air sampling, Suspended solids testing and vacuum filtration.





USER FRIENDLY

Easy to use for the end user



QUIET OPERATION

Low noise level for quiet operation



MAINTENANCE FREE

Easy to use, maintenance-free



WEATHER FILTER

Humidifier with filter cartridge



IP 30 PROTECTION



EASY TO READ VACUUM GAUGE AND REGULATOR



SAFETY SECURITY

Over Load Relay

GENERAL DATA

Device	DrVAC-600
Device type	Vacuum Pump
Warranty	2 Year
Identification	CE, EU Standarts
Quality management	DIN EN ISO 9001:2008

GENERAL TECHNICAL DATA

Max Vacuum	99 mBar
Max Suction	62 lt / min
Engine Speed	1450 rpm / min
Motor power	1/4 hp
Net weight	7,6 kg
Dimensions	34,1 x 17,6 x 19,4 cm

MATERIAL-SPECIFIC DATA

Material of work area	Aluminium
-----------------------	-----------

ELECTRICAL DATA

Nominal voltage	220V AC
Nominal frequency	50 Hz
Power consumption	180 W

OPTIONS

Silicon hose
Vacuum gauge
Exhaust filter

VACUUM PUMP

DrVAC-100CR

DrVAC-100CR Diaphragm vacuum pumps with top specifications designed specifically for various laboratory applications. All wetted parts are made of PTFE coating. Top mounted one-touch on/off switch Collapsible handles enable users to carry and transport the pumps with ease Extra quiet, low vibration.





OIL-FREE VACUUM PUMP



QUIET AND LOW VIBRATION



ALUMINUM ALLOY MATERIAL



USER FRIENDLY



CHEMICALLY RESISTANT



CLEAN AND AESTHETIC DESIGN

GENERAL DATA

Device	DrVAC-100CR
Device type	Diaphragm Vacuum Pump Chemical
Warranty	2 Year
Identification	CE, EU Standarts
Quality management	DIN EN ISO 9001:2008

GENERAL TECHNICAL DATA

Max Vacuum	100 mBar
Max Suction	23 lt / min
Engine Speed	1400 rpm / min
Motor power	0.06 kW
Net weight	5,5 kg
Dimensions	28,9 x 15 x 22,4 cm

MATERIAL-SPECIFIC DATA

Material of work area	Aluminium
-----------------------	-----------

ELECTRICAL DATA

Nominal voltage	220V AC
Nominal frequency	50 Hz
Noise Level	48 dBa

OPTIONS

Silicon hose
Vacuum gauge
Exhaust filter

VACUUM PUMP

DrVAC-27CR

DrVAC-27CR Diaphragm vacuum pumps with top specifications designed specifically for various laboratory applications. All wetted parts are made of PTFE coating. Top mounted one-touch on/off switch Collapsible handles enable users to carry and transport the pumps with ease Extra quiet, low vibration.





OIL-FREE VACUUM PUMP



QUIET AND LOW VIBRATION



ALUMINUM ALLOY MATERIAL



USER FRIENDLY



CHEMICALLY RESISTANT



CLEAN AND AESTHETIC DESIGN

GENERAL DATA

Device	DrVAC-100CR
Device type	Diaphragm Vacuum Pump Chemical
Warranty	2 Year
Identification	CE, EU Standarts
Quality management	DIN EN ISO 9001:2008

GENERAL TECHNICAL DATA

Max Vacuum	26,7 mBar
Max Suction	23 lt / min
Engine Speed	1400 rpm / min
Motor power	0,1 kW
Net weight	7,4 kg
Dimensions	34,9 x 15 x 22,4 cm

MATERIAL-SPECIFIC DATA

Material of work area	Aluminium
-----------------------	-----------

ELECTRICAL DATA

Nominal voltage	220V AC
Nominal frequency	50 Hz
Noise Level	52 dBa

OPTIONS

Silicon hose
Vacuum gauge
Exhaust filter

HEATING CIRCULATOR

CLHC-2525

CLS CLHC Heating Circulator CLHC-2525 Circulating Heaters are circulating heaters for maintaining ambient temperatures between +10 and 250°C in the laboratory. The CLHC series provides 2500W heating power with our reliable technology and modern design. CLHC 2525 is a circulating oil type heater designed for use in laboratory environments. This device enables temperature control in various experiments and applications by providing precise heating between +10 and 250 °C. The circulation system ensures homogeneous distribution of the heat transfer oil; this minimizes temperature fluctuations and creates a stable heating environment during the process.





LARGE BATH VOLUME FOR HIGH CIRCULATION

5 Lt.



PERFECT TEMP CONTROL

Microprocessor PID control
0,1°C temperature stability



POWERFULL CIRCULATION

1.5 Bar pressure



CFC FREE COOLANT

CFC FREE
R449 coolant



LCD DISPLAY

A high-resolution touchscreen display,
where all parameters can be easily set and
monitored.



SAFETY SECURITY

Complete safety protection system with warning
alarms. Low fluid level and dry running, over
temperature, over current.



EXTERNAL TEMPERATURE SENSOR (PT100)

External temperature sensor for precise
temperature control.



CONVENIENCE

Quick release front grill for easy cleaning of the
condenser, side handles enables convenience
handling and transport

GENERAL DATA

Device	CLHC-2525
Device type	Heating Circulator
Warranty	2 Year
Identification	CE, EU Standarts
Quality management	DIN EN ISO 9001:2008

GENERAL TECHNICAL DATA

Working Temperature	Amb. +10 ~ 250°C
Sensor	PT 100
Circulation Pressure	1,5 Bar
Heating Power	2500 W
Temp. Sensivity	±0.5°C
Connection	M16
Screen	LCD Display
Safety	Low liquid level, high voltage,

MATERIAL-SPECIFIC DATA

Material of work area	1.2 mm thihcknes SS 304 Material No : 1.4301
Housing material	Powder Coated 1.2 mm thickness Zincor Steel Plate

ELECTRICAL DATA

Nominal voltage	220V AC
Nominal frequency	50 Hz
Power consumption	2600 W

DIMENSION

Exterior (mm)	480 × 540 × 800
Packing Size	600 × 650 × 1000
Gross Weight	40 kg

HEATING CIRCULATOR

CLHC-5025

CLS CLHC Heating Circulator CLHC-5025 Circulating Heaters are circulating heaters for maintaining ambient temperatures between +10 and 250°C in the laboratory. The CLHC series provides 5000W heating power with our reliable technology and modern design. CLHC 5025 is a circulating oil type heater designed for use in laboratory environments. This device enables temperature control in various experiments and applications by providing precise heating between +10 and 250 °C. The circulation system ensures homogeneous distribution of the heat transfer oil; this minimizes temperature fluctuations and creates a stable heating environment during the process.





LARGE BATH VOLUME FOR HIGH CIRCULATION

10 Lt.



PERFECT TEMP CONTROL

Microprocessor PID control
0,1°C temperature stability



POWERFULL CIRCULATION

1.5 Bar pressure



CFC FREE COOLANT

CFC FREE
R449 coolant



LCD DISPLAY

A high-resolution touchscreen display,
where all parameters can be easily set and
monitored.



SAFETY SECURITY

Complete safety protection system with warning
alarms. Low fluid level and dry running, over
temperature, over current.



EXTERNAL TEMPERATURE SENSOR (PT100)

External temperature sensor for precise
temperature control.



CONVENIENCE

Quick release front grill for easy cleaning of the
condenser, side handles enables convenience
handling and transport

GENERAL DATA

Device	CLHC-5025
Device type	Heating Circulator
Warranty	2 Year
Identification	CE, EU Standarts
Quality management	DIN EN ISO 9001:2008

GENERAL TECHNICAL DATA

Working Temperature	Amb. +10 ~ 250°C
Sensor	PT 100
Circulation Pressure	1,5 Bar
Heating Power	5000 W
Temp. Sensivity	±0.5°C
Connection	M16
Screen	LCD Display
Safety	Low liquid level, high voltage,

MATERIAL-SPECIFIC DATA

Material of work area	1.2 mm thikcknes SS 304 Material No : 1.4301
Housing material	Powder Coated 1.2 mm thickness Zincor Steel Plate

ELECTRICAL DATA

Nominal voltage	220V AC
Nominal frequency	50 Hz
Power consumption	5100 W

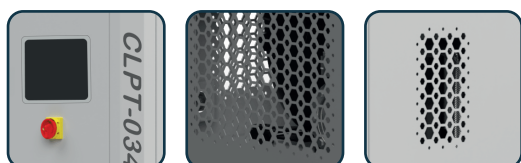
DIMENSION

Exterior (mm)	480 × 540 × 800
Packing Size	600 × 650 × 1000
Gross Weight	45 kg

PROCESS THERMOSTATS

CLPT-0340

CLS CLPT Proseses Termostat CLPT-0340 Process Thermostats are process thermostats for keeping temperatures between -40 and 200°C in the laboratory. CLPT series provides 1400W cooling power and 3000W heating power with our reliable technology and modern design. CLPT series is a thermostatic circulation pump using closed pipeline cooling for technological processes. In the heating and expansion system, the heat transfer oil operates at high temperatures while the inside of the expansion tank remains at normal temperature.





LARGE BATH VOLUME FOR HIGH CIRCULATION

5 Lt.



PERFECT TEMP CONTROL

Microprocessor PID control
0,1°C temperature stability



POWERFULL CIRCULATION

1.5 Bar pressure



CFC FREE COOLANT

CFC FREE
R449 coolant



LCD DISPLAY

A high-resolution touchscreen display,
where all parameters can be easily set and
monitored.



SAFETY SECURITY

Complete safety protection system with warning
alarms. Low fluid level and dry running, over
temperature, over current.



EXTERNAL TEMPERATURE SENSOR (PT100)

External temperature sensor for precise
temperature control.



CONVENIENCE

Quick release front grill for easy cleaning of the
condenser, side handles enables convenience
handling and transport

GENERAL DATA

Device	CLPT-0340
Device type	Process Thermostat
Warranty	2 Year
Identification	CE, EU Standarts
Quality management	DIN EN ISO 9001:2008

GENERAL TECHNICAL DATA

Working Temperature	-40°C ~ 200°C
Sensor	PT 100
Circulation Pressure	1,5 Bar
Heating Power at 20°C	3000 W
Cooling Power at 20°C	1400 W
Connection	M16
Screen	LCD Display
Pump Speed	30 L/min

MATERIAL-SPECIFIC DATA

Material of work area	1.2 mm thickness SS 304 Material No : 1.4301
Housing material	Powder Coated 1.2 mm thickness Zincor Steel Plate

ELECTRICAL DATA

Nominal voltage	220V AC
Nominal frequency	50 Hz
Power consumption	3500 W

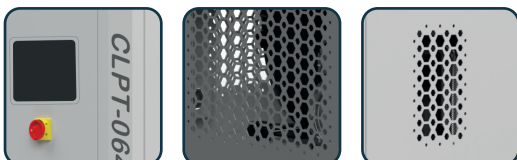
DIMENSION

Exterior (mm)	450 × 570 × 800
Packing Size	600 × 670 × 1000
Gross Weight	55 kg

PROCESS THERMOSTATS

CLPT-0640

CLS CLPT Proses Termostat CLPT-0640 Process Thermostats are process thermostats for keeping temperatures between -40 and 200°C in the laboratory. CLPT series provides 3500W cooling power and 6000W heating power with our reliable technology and modern design. CLPT series is a thermostatic circulation pump using closed pipeline cooling for technological processes. In the heating and expansion system, the heat transfer oil operates at high temperatures while the inside of the expansion tank remains at normal temperature.





LARGE BATH VOLUME FOR HIGH CIRCULATION

10 Lt.



PERFECT TEMP CONTROL

Microprocessor PID control
0.1°C temperature stability



POWERFULL CIRCULATION

3.8 Bar pressure



CFC FREE COOLANT

CFC FREE
R449 coolant



LCD DISPLAY

A high-resolution touchscreen display,
where all parameters can be easily set and
monitored.



SAFETY SECURITY

Complete safety protection system with warning
alarms. Low fluid level and dry running, over
temperature, over current.



EXTERNAL TEMPERATURE SENSOR (PT100)

External temperature sensor for precise
temperature control.



CONVENIENCE

Quick release front grill for easy cleaning of the
condenser, side handles enables convenience
handling and transport

GENERAL DATA

Device	CLPT-0640
Device type	Process Thermostat
Warranty	2 Year
Identification	CE, EU Standarts
Quality management	DIN EN ISO 9001:2008

GENERAL TECHNICAL DATA

Working Temperature	-40°C ~ 200°C
Sensor	PT 100
Circulation Pressure	3,8 Bar
Heating Power at 20°C	6000 W
Cooling Power at 20°C	3500 W
Connection	M16
Screen	LCD Display
Pump Speed	56 L/min

MATERIAL-SPECIFIC DATA

Material of work area	1.2 mm thihcknes SS 304 Material No : 1.4301
Housing material	Powder Coated 1.2 mm thickness Zincor Steel Plate

ELECTRICAL DATA

Nominal voltage	220V AC
Nominal frequency	50 Hz
Power consumption	6200 W

DIMENSION

Exterior (mm)	450 × 570 × 800
Packing Size	600 × 670 × 1000
Gross Weight	65 kg



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