

Digital Rotary Evaporator

(Rotary Vacuum Evaporator)

TOPLAB INDIA represents the new state-of-the-art safety rotary evaporator. It has been designed keeping in mind the dual purpose of obtaining a completely safe instrument as well as performance optimization. The transparent protective shield provides both the user and working environment with maximum protection from moving and heated parts during all operating stages. No maintenance needed in the mechanical sealing system, which guarantees constantly vacuum tight seal. The microprocessor equipped with an LCD interface and touch screen can be multi-programmed so that the user can always control and modify all the parameters needed. TOP-300RE is provided with GLP system (Good Laboratory Practice). An automatic mechanical device lifts the glassware-motor group and a vacuum controller and/or the temperature probe can be connected to the instrument.



Key Features:

- Removable safety shield
- Glassware lifting made possible with or without protective shield
- Maintenance-free PTFE and carbon graphite seals
- Powered glassware lifting equipment with safety release (in case of power failure)
- 3.5" monochromatic LCD touch screen
- Quick Start/Stop control and parameter selector
- Rodavis evaporation -ask connection system
- Removable thermostatic bath, PTFE coated
- Models available with vertical or slanting, standard or plastic-coated glassware
- GLP-compliant instrument (with USB interface)
- Optional fume temperature probe
- Optional vacuum controller

Rotary Vacuum Evaporator

Display & Controller:

- 3.5" LCD graphic display touch screen (320 x 240 pixel)
- START/STOP control and quick basic parameter selection
- Real-time display of all basic operating parameters (bath temperature, rotation speed), vacuum level and fume temperature (if optional probe and vacuum controller are present)
- Real-time display of working method
- Method saving and retrieving (up to 10 methods)
- Timer, 1- 999min adjustable
- Possibility to operate according to fume temperature (if optional probe is present)
- Possibility to create manual and automatic ramps according to time, by differentiating all working parameters (if vacuum controller is present)
- Possibility to download working method to PC through USB port and retrieve it at any time
- USB updatable multi-language software

Technical Specification:

Model	TOP-300RE
Motor Type :	Brushless DC motor
Speed Range [rpm]:	20 ~ 280rpm (150W induction motor)
Speed Display:	3.5" Large LCD
Temperature & Time Display :	3.5" Large LCD
Height adjustment :	155 mm
Clockwise and Anti-clockwise :	Yes
Heating Temperature Range :	RT to 210°C
Control Accuracy :	±1°C
Heating Power :	1200W
Stroke Displacement :	automatic 150mm
Timer :	Yes
Time Setting Range :	1- 999min
Dimension[D×W×H] :	465×457×583mm
Weight :	15kg
Permissible Ambient Temperature :	5~40°C
Permissible Relative Humidity :	80%RH
Evaporating Flask Capacity :	1000 ml (Optional 50 to 3000ml/5000ml)
Receiving Flask Capacity :	1000 ml (Optional 250 to 2000ml)
Heating Bath Capacity :	Accommodates 50ml to 5 Litre Flasks
Bath Material :	PTFE Coated
Bath Weight :	2.8kg
Protection class :	IP20 ,IP21
USB Interface :	Yes
Overall Weight:	Approx. 26 Kg
Voltage/Frequency :	AC 230V , 50 Hz
Power :	1400 W

Rotary Vacuum Evaporator

Recommend for building up:



TOP-300RE
ROTARY EVAPORATOR

TL-5/10
RE-CIRCULATING COOLER

Select any one option from below for use in combination with Rotary Evaporator and Chiller

Option 1



TL-410C/TL-510C
Vacuum Pump



ST300/DVR480
Vacuum Controller

Option 2



TL-410CSH/TL-510CSH
Solvent Recovery System Vacuum Pump



ST300/DVR48
Vacuum Controller

Option 3



TL-410CSC/TL-510SCS
Solvent Recovery System

Rotary Evaporator

Chemical Resistant Diaphragm Vacuum Pumps:

Chemical resistant diaphragm vacuum pumps which can be widely used to hard acidic, basic and solvent vapours by utilizing corrosion proof PTFE on all the wetted surfaces. Through innovative mechanical technology and human considerations, it is quiet, safe, maintenance-free and cost effective vacuum pumps.

Model Number	TL-410C	TL-510C
Max. Vacuum (mbar)	13 mbar	8 mbar
Max. Flow Rate(L/min)	25 L/min	34 L/min
Outlet (mm)	10 mm	10 mm
Motor Speed (rpm)	1450 rpm	1450 rpm
Max. Power (W)	95 W	245 W
Max. Current (A)	0.5 A	1.1 A
Number of Stages	Double Stage	Double Stage
Weight (kg)	8.5 kg	13.2 kg
Noise Level (dB)	50 dB	60 dB
Input Power	220V / 50Hz	220V / 50Hz
Size WxDxH (mm)	294*156*195	380*156*226



Vacuum controller:

DVR480 High-precision vacuum controller:

- Large measurement and control range
- Supports the programming of up to 5-step control
- All parts that come into contact with gases are made of PTFE or highly durable ceramic to ensure high chemical resistance
- RS-232 and analog connection available
- Direct electric control of the vacuum pump
- Suitable for continuous operation

ST300 vacuum controller

- ST300 vacuum controller can be attached on the side of rotary evaporator
- Complete with valve (directly interfaced and controlled by TOP-300RE).
- The vacuum tube is not included.



Solvent Recovery System:

TL-CSH System:

The inlet of Solvent Recovery System is connected to a segregation bottle, whereas the outlet is connected to a condenser, which is used to condensate and recovers the solvent.

Model	TL-410CSH	TL-510CSH
Build in Pump Type	TL-410C	TL-510C
Power (W)	95 W	245 W
Ultimate Vacuum (mbar)	13 mbar	8 mbar
Max. Flow Rate (L/min)	25 L/min	34 L/min
Outlet Size (outer diameter in mm)	10 mm	10 mm

TL-CSH system contains

Chemical resistant diaphragm pump, Separator, Condenser, Set of tubing, Casing

TL-CSC System:

The inlet of the TL-CSC System is connected to a segregation bottle, whereas the outlet is connected to condensers, which is used to condensate and recover the solvent. In addition, the system contains a vacuum controller to set, display, and control the vacuum.

Model	TL-410 CSC	TL-510 CSC
Build in Pump Type	TL-410C	TL-510C
Power (W)	150 W	150 W
Ultimate Vacuum (mbar)	13 mbar	8 mbar
Max. Flow Rate (L/min)	25 L/min	40 L/min
Outlet Size (outer diameter in mm)	10 mm	10 mm

CSC system contains

Chemical resistant diaphragm pump, Vacuum controller, Separator, Condenser, Set of tubing, Casing

