

UNIVAPO

Vacuum Concentrator Centrifuge

Vacuum and centrifugal force combine to provide a gentle and highly efficient method of evaporation, drying and concentrating biological liquids.

Model ECH



Programmable: Ramping parameters of time and heat can be easily set with the touch of a few buttons on the control panel.
With vacuum control gauge.
With teflon coated chamber.
Supplied with two pieces of 2-way teflon fitted vacuum valves.
Including RS232 for GMP control.
Optional software available.

Features of the new control:

- 2 Modes: Normal operation and programmable operation
- 5 Steps programmable for time & temperature
- 128x24 Dot Matrix Large Screen
- Soft-Start timer

Dimensions and specifications are subject to change without notice for further improvements on design.
 Dimensions may vary dependent on different accessories be used.

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Vacuum Concentrator Centrifuge

UNI-EQUIP

Application: For preparative protocols of DNA, RNA, proteins, peptides, amino-acids, hormones, enzymes, with max. recovery. For all possible analytical protocols ...

Model H

Heating: we supply two different versions of heating, fixed temperature 39°C or variable over the same capillary thermostat placed in front panel working from ambient to +80°C.

Classic on/off power and heater function.

Centrifuge drive starts automatically after closing the perspex lid.

With vacuum control gauge.

With teflon coated chamber.

Supplied with two pieces of 2-way teflon fitted vacuum valves.

ON REQUEST WE CAN SUPPLY AUTOMATIC BLEEDER VALVE FOR UNIVAPO.

DISC ROTORS FOR UNIVAPO

UNIVAPO 100

72-11 for 72 tubes 1,5/2,0ml
40-13 for 40 tubes 12/13mm
24-18 for 24 tubes 18mm
10-24 for 10 tubes 24mm
Rotor for 6x15ml Falcon tubes
Special rotors on request

UNIVAPO 150

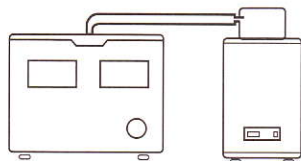
144-11 for 144 tubes 1,5/2,0ml
76-13 for 76 tubes 12/13mm
46-18 for 46 tubes 18mm
30-24 for 30 tubes 24mm
Swing-out-rotor for 4 microtiterplates
Swing-out-rotor for 2 Deepwellplates
Special rotors on request

We supply Trolley for UNIVAPO SYSTEMS.

UNIVAPO SYSTEMS for optimal operation:

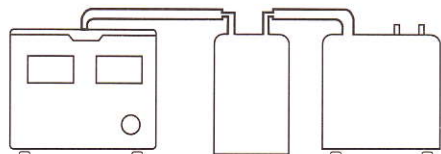
UNIVAPO SYSTEM with Aspirator Vacuum Pump:

UNIVAPO+UNIJET I, UNIJET II or UNIJET IV;



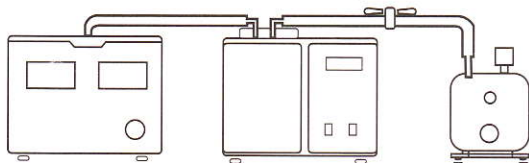
UNIVAPO SYSTEM with Diaphragm Vacuum Pump:

UNIVAPO+VACUCENTER/8, VACUCENTER/2+Washing bottle 1000ml PP



UNIVAPO SYSTEM with Rotary Vane Vacuum Pump:

UNIVAPO+UNICRYO 2L -60°C, UNICRYO 2x2L+ UNIVAC D04, UNIVAC D08;



UNIVAPO+UNIJET II
ON TROLLEY

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Dimensions may vary dependent on different accessories be used.

UNI-EQUIP

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Features of the new control:

- **2 Modes: Normal operation and Programmable operation**
- **5 Steps programmable for temperature, time and speed**
- **128x24 Dot Matrix Large Screen**
- **Soft-Start timer**
- **Speed settable in rpm**

Specifications:

External dimensions (wxdxh):	350x430x415mm
Max. temperature :	max. 80°C
Heating power :	1100W
Chamber diameter:	295mm, Teflon coated chamber
Weight:	23kg
Max. capacity:	6 x 300ml tubes (optional adapter for 6 x 600ml)
Speed up to:	1200rpm (in reference of rotor)
Orbit:	6mm

The Benefits of Vortex Motion

The vortex motion of the GYRATOR Vortexing Evaporation System optimizes evaporation and recovery of analytes. Each tube moves in a gentle orbital motion. A microprocessor controls the speed of motion desired. This agitation causes the liquid sample in the tube to form a vortex-like configuration which greatly increases the sample's surface area and ability to evaporate.

Vortex motion also helps to mix the components in the liquid sample so the end point sample better represents the pre-processed mixture. The vortexing feature allows solvent exchange and/or resuspension procedures to be performed while samples remain in the rotor-block, thus saving time and additional glass-ware handling steps.

Finally, as the liquid forms the vortex shape, a centrifugal force is established which forces the liquid outwards against the tube walls. This force helps prevent bumping and potential loss of sample so recovery is enhanced.

Optionally available:

- **Glass lid with safety grid**
- **Automatic bleeder valve**
- **Adapter for a higher rotor chamber (for max. 6 x 600ml tubes)**
- **Temperature in-sample probe**

FOR UNIVAPO GYRATOR SYSTEM WE ADVISE TO USE UNIVAC ROTARY VANE VACUUM PUMP COMBINED WITH UNICRYO COLD TRAP.

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