

INCREASE YOUR LAB EFFICIENCY

MiniVac
Speed Vacuum Concentration

Scandinavian by Design



LABOCENE



SIMPLE, STRAIGHT-FORWARD,
TROUBLE-FREE SPEED VACUUM
CONCENTRATION AT YOUR
FINGERTIPS



MINIVAC

The MiniVac systems are compact, environment friendly centrifugal evaporators, designed for rapid and efficient concentration or drying of small samples in tubes. A high sample throughput and recovery, especially on RNA/DNA samples is achieved with ease and reproducibility whilst maintaining complete sample integrity.

The MiniVac systems are easy to use in either manual or automatic modes of operation and offer the following functions:

- Timer with Start/Stop
- Adjustable chamber heating temperature, from ambient up to 80°C
- Digital display of vacuum
- Programming of time and temperature
- Storage of evaporation protocols for repetitive cycles & reproducible results

AVAILABLE IN TWO VERSIONS

▶ **MiniVac Alpha**

▶ **MiniVac Beta**

The MiniVac is available in two versions offering the same technical specifications but with different vacuum pumps.

MINIVAC'S

FEATURES & BENEFITS

MINIVAC ALPHA

Supplied complete with a maintenance-free, VacSafe 15 self-contained, Venturi water-jet pump that collects expelled vapours and condensates.

Includes the following accessories: DC drip catcher, ice cube container, connectors, hoses, clips and multipurpose rotor for 48 x 1.5-2.0 mL and 76 x 0.5 mL Eppendorf tubes.

The only operational requirement is to empty the drip catcher of any liquid and to change the water in the VacSafe 15 pump on a regular/weekly basis, depending on usage.



MINIVAC BETA

Supplied complete with a Vacuubrand MP2.2 Teflon membrane pump to 7 mbar including DC drip catcher, ice cube container and all accessories.

Also included are all connectors, hoses, clips and also a multipurpose rotor for 48 x 1.5-2.0 mL and 76 x 0.5 mL Eppendorf tubes.

The only operational requirement is to empty the drip catcher of any carried over liquid.

GENERAL FOR BOTH MODELS

The MiniVac Alpha and Beta systems are compatible with all constituent equipment to provide integrated systems, e.g. cold traps and vacuum pumps.

Excellent results can be achieved from both units with good recovery results and wide versatility of applications.

FEATURES FOR BOTH MODELS

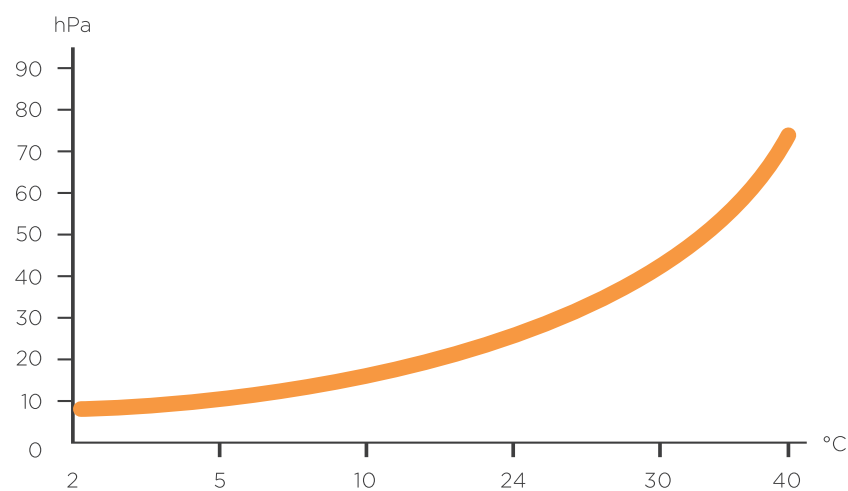
Easy to use manual and programmable system:

- Includes timer, start/stop functions, vacuum pump, set point of the heating temperature of the ScanSpeed 32 centrifuge between 5°C and 80°C. Please note that there is no cooling element in the centrifuge. So, you may ask, why set the set point below ambient? The reason is that we want to avoid that the heating element activates, e.g. when adding a pre-cooled rotor or samples inside the chamber of the centrifuge.
- Digital display of the vacuum down to 1 mBar, full programming of time and temperature.
- The performance can be enhanced by addition of ice cubes around the drip catcher to increase the rate of evaporation.
- Acrylic lid allows full visibility of the ScanSpeed 32 centrifuge chamber to monitor the progress.
- No cross contamination or sample loss, the exhaust vent for the vacuum being totally isolated.

TEMPERATURE & PRESSURE

The ultimate vacuum is determined by the temperature of the water for MiniVac Alpha.

The figure clearly shows the advantage of using cold water. Remarkably lower pressure can be obtained when using colder water with e.g. ice cubes.





MEETING YOUR **SPECIFIC NEEDS**

MINIVAC RANGE OF OPTIONS

We offer a range of options to tailor the MiniVac to your specific needs.

- A wide range of rotors to accommodate the majority of sample requirements.
- Different membrane pump. If the MP2.2 is not the optimal pump for your application, then we can offer alternatives with higher specifications
- Adapters for use with Heto and Savant rotors

- Options available for the VacSafe 15 are foot switch, vacuum regulator, Y piece connectors & tubing (offering a two to one connection)

Contact the LaboGene distributor in your respective country for further information about your options and about Minivac system customisation.

Our vacuum specialists work hard to bring you the best and most efficient solution.



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YEARS OF EXPERIENCE

LaboGene are experts in the fields of Clean Air & Laminar Flow, Centrifugation, Vacuum & Cooling. We provide both standard and perfectly customized solutions. Designing, developing, manufacturing and marketing laboratory and industrial equipment is our speciality.

Leading supplier in:

Microbiological safety cabinets
Freeze dryers
Freezers
Centrifuges

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