AUTOMATED CONCENTRATION SOLUTIONS
LabTech evaporation solutions introduce a new concept in routine distillation/evaporation processes: safety, efficiency and durability to support lab user work! With an innovative and ergonomic design, EV series rotary evaporators include color digital display to monitor and control rotation speed and temperature, motorized vertical lift, evaporation flasks, on line sample adding through PTFE valve and can be completed with LabTech vacuum and cooling accessories to reach top efficiency of process. Stand alone heating bath guarantees maximum safety in operations and easy maintenance.

» Total solution
» Programmable operations
» Anticorrosion sealing system
» Integrated vacuum control
» Maximum safety
» Quite operation
» High quality/price ratio

ROTARY EVAPORATOR APPLICATIONS

- Solvent recycling
- Solvent distillation
- Powder drying
- Chemical synthesis
- Extraction
- Research
- Active agent concentration
- Vacuum distillation of sensitive substances
- Liquid mixture separation
TECHNICAL FEATURES

- Possibility to run up to 6 samples
- Parallel concentration model
- Possibility to simultaneously or separately work with six channels
- Nitrogen blow in combination of heating concentration mode
- Dry block heating mode to avoid potential water vapor interference
- P.I.D. temperature control with digital display
- Possibility to choose the best position of nitrogen needle to ensure the most efficient evaporation
- Dedicated nitrogen flow regulator control for each sample channel
- Compatibility with collection vials of Sepaths UP
- Unique “open view” to control sample volume level during the evaporation process
The new LabTech MultiVap8 automatic parallel system increases the capacity and sample throughput in laboratories and maintains quality and lower costs. With this system users can evaporate to solid state or concentrate into a fixed end-point volume. A compact solution compared to conventional rotary evaporators, with the possibility to be used outside fume hood thanks to the integrated vapor exhausting system.

TECHNICAL FEATURES

- Vortex nitrogen purge to get the highest concentration efficiency. The location and direction of nitrogen purge can be adjusted according to the concentration cup size and sample volume
- Operations visible through the backlit front window. Sample cups do not need to be handled to check the residual volume
- Sealed concentration chamber including a high efficient vapour exhausting system
- Built-in digital nitrogen gas regulator to control the nitrogen flow and the evaporation speed
- Automatically detecting the liquid endpoint
- 8 positions supporting 50 & 200ml concentration cups simultaneously
- 8 infrared sensors for single cup volume control
- Possibility to place concentration cups in the liquid handler of GPC/SPE directly
- Liquid bath with temperature control range from ambient to 99.9°C
- Low liquid level and pressure alarms to ensure safe operations
- Touch screen control interface

<table>
<thead>
<tr>
<th>Solvents</th>
<th>Original volume</th>
<th>Time to 1ml</th>
<th>Evaporation speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dichloromethane</td>
<td>180 ml</td>
<td>20 min</td>
<td>9.0 mL/min</td>
</tr>
<tr>
<td>Hexane</td>
<td>180 ml</td>
<td>18 min</td>
<td>10.0 mL/min</td>
</tr>
<tr>
<td>Methanol</td>
<td>180 ml</td>
<td>50 min</td>
<td>3.6 mL/min</td>
</tr>
<tr>
<td>Acetone</td>
<td>180 ml</td>
<td>23 min</td>
<td>8.0 mL/min</td>
</tr>
<tr>
<td><strong>Water bath temperature 60 °C</strong></td>
<td></td>
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</tbody>
</table>
MV5 is the latest multi-channel and multifunctional parallel instrument designed by LabTech, including all accessories and functions to grant highest standard of efficiency, speed, reliability, throughput and safety of any concentration process. Nitrogen sweeping, needle level adjustment and visible concentration process are only few of the advantages offered by MV5.

TECHNICAL FEATURES

- 54 sample positions able to work either individually or simultaneously
- Automatic adjustment of nitrogen needle according to the sample volume reduction
- Visible concentration process thanks to the front window and internal lights
- Auto-locked cover during operations
- Easy replacement of nitrogen needles
- 7” touch-screen color control panel
- Low-level liquid alarm
- Intuitive software interface

HEATING MODULE

- Liquid bath heating mode
- Temperature reading error: < 0.5%
- Temperature control: P.I.D.
- Temperature accuracy: ±0.1°C
- Temperature range: ambient to 100°C
The solution to your laboratory needs. LabTech is a young manufacturing company with skill and passion, devoted to provide advanced laboratory solutions to the analytical community. We are located in Sorisole, northern of Italy with facilities in USA and China. Incorporated with global branches, LabTech is organized with R&D, production, marketing & sales and customer support. Major LabTech products include organic/inorganic sample preparation systems, laboratory cooling/heating/temperature control equipments, analytical instruments, laboratory information management system and laboratory design and engineering. With knowledgeable scientists and experienced engineers, our R&D team has developed and released a series of new lab equipments and instruments. With all these accomplishments and our never stopping efforts on research and development, we are proud of being one of few providers able to produce the most advanced sample preparation products.