

ADVANCED CONCENTRATION SOLUTIONS

LabTech



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MULTIVAP 54 AUTOMATED CONCENTRATION SOLUTION

The MultiVap 54 (also called “THE GAME CHANGER”) is the latest multi-channel and multifunctional parallel instrument designed by LabTech, including all accessories and functions to ensure the 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 the MultiVap 54.



► TECHNICAL FEATURES

- 6 channels of 9 needles each (for a total of 54 samples of 10 mL) 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
- Liquid bath heating mode
- Temperature reading error: < 0.5%
- Temperature control: P.I.D.
- Temperature accuracy: $\pm 0.1^{\circ}\text{C}$
- Temperature range: ambient to 100°C
- Nitrogen requirement: from 2 to 6.8 bar (30 to 100 psi)
- Weight: 30 Kg
- Dimensions: (LxWxH cm)
50x50x69 (open)
50x50x45 (closed)
- Power supply voltage: 230V 50Hz



Included

- N° 54 + 10 Needles for nitrogen channels
- N° 6 Needle O-ring seals
- N° 1 Spare fuse set
- N° 1 Exhaust fume tube 3 m
- N° 1 Water bath drain tube
- N° 1 Electric power cable
- N° 1 - 54 position vial rack (10 mL volume)
- N° 54 - 10 mL glass vials
- N° 54 - 10 mL PP vials
- N° 54 plugs to close nitrogen channels

Ordering information US-MP5000

► ACCESSORIES

| P / N | DESCRIPTION | P / N | DESCRIPTION |
|-----------|---|-----------|---|
| MV5-SP002 | Rack for 2 mL vials 12x32 mm - 54 positions | MV5-SP015 | Rack for 40 mL vials 27,5x95 mm - 24 positions |
| MV5-SP010 | Rack for 10 mL vials 15,5x100 mm - 54 positions | MV5-SP016 | Rack for 60 mL vials 27,5x140 mm - 24 positions |
| MV5-SP014 | Rack for 20 mL vials 18x135 mm - 54 positions | - | Rack for customized vials |

Specially designed tube racks available

MULTIVAP 8 AUTOMATED CONCENTRATION SOLUTION

The LabTech MultiVap 8 automatic parallel system increases the capacity and sample throughput in laboratories and maintains quality and low cost. With this system it is possible to 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 the fume hood thanks to the integrated vapor evacuation 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 are visible through the backlit front window. Sample cups do not need to be handled to check the residual volume
- Concentration chamber including a highly efficient vapour evacuation system
- Built-in digital nitrogen gas regulator to control the nitrogen flow and the evaporation speed
- Automatic detection of the liquid endpoint
- 8 positions supporting 50 & 200 mL concentration cups
- 8 infrared sensors for single cup volume control
- Possibility to place the concentration cups in the liquid handler of GPC/SPE directly
- Liquid bath with temperature control range from ambient to 100°C
- Low liquid level and pressure alarms to ensure safe operations
- Touch screen control interface
- Nitrogen requirement: from 2 to 6.8 bar (30 to 100 psi)
- Weight: 38 Kg
- Dimensions: (LxWxH cm)
44x68x64 (open)
44x68x33 (closed)
- Power supply voltage: 230V 50/60Hz

Included

- N° 8 - 200 mL concentration vials - 1 mL end point
- N° 8 - 50 mL concentration vials - 1 mL end point
- N° 1 - 50 mL rack - 8 positions
- N° 1 - 200 mL rack - 8 positions
- N° 1 Exhaust fume tube 3 m
- N° 1 Electric power cable
- N° 8 Plastic vapor stoppers for 50 mL holes
- N° 8 Plastic vapor stoppers for 200 mL holes

Ordering information LV-MT8200

► ACCESSORIES

| P / N | DESCRIPTION | P / N | DESCRIPTION |
|-----------|--|----------|---|
| MT-C20010 | 200 mL concentration vial - 1 mL end point | MT-C5010 | 50 mL concentration vial - 1 mL end point |
| MT-C20005 | 200 mL concentration vial - 0.5 mL end point | MT-C5005 | 50 mL concentration vial - 0.5 mL end point |
| MT-C20000 | 200 mL concentration vial - dry end point | MT-BC50 | Rack for 50 mL vials (8 positions) |
| MT-BC200 | Rack for 200 mL vials (8 positions) | | |

MULTIVAP 10 AUTOMATED CONCENTRATION SOLUTION

The NEW LabTech MultiVap 10 automatic parallel system increases the capacity by 25% in comparison to the MultiVap 8 boosting the lab throughput. The price / performance ratio has further increased. With this system it is possible to 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 the fume hood thanks to the integrated vapor evacuation 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 are visible through the backlit front window. Sample cups do not need to be handled to check the residual volume
- Concentration chamber including a highly efficient vapour exhausting system
- Built-in digital nitrogen gas regulator to control the nitrogen flow and the evaporation speed
- Automatic detection of the liquid endpoint
- 10 positions supporting 50 & 200 mL concentration cups simultaneously
- 10 infrared sensors for single cup volume control
- Possibility to place the concentration cups in the liquid handler of GPC/SPE directly
- Liquid bath with temperature control range from ambient to 100°C
- Low liquid level and pressure alarms to ensure safe operations
- Touch screen control interface
- Nitrogen requirement: from 2 to 6.8 bar (30 to 100 psi)
- Weight: 25 Kg
- Dimensions: (LxWxH cm)
44x68x64 (open)
44x68x33 (closed)
- Power supply voltage: 230V 50/60Hz

Included

- N° 10 - 200 mL concentration vials - 1 mL end point
- N° 10 - 50 mL concentration vials - 1 mL end point
- N° 1 - 50 mL rack - 10 positions
- N° 1 - 200 mL rack - 10 positions
- N° 1 Exhaust fume tube 3 m
- N° 1 Electric power cable
- N° 10 Plastic vapor stoppers for 50 mL holes
- N° 10 Plastic vapor stoppers for 200 mL holes

Ordering information LV-MT10200

► ACCESSORIES

| P / N | DESCRIPTION | P / N | DESCRIPTION |
|-------------|--|------------|---|
| MT-C20010 | 200 mL concentration vial - 1 mL end point | MT-C5010 | 50 mL concentration vial - 1 mL end point |
| MT-C20005 | 200 mL concentration vial - 0.5 mL end point | MT-C5005 | 50 mL concentration vial - 0.5 mL end point |
| MT-C20000 | 200 mL concentration vial - dry end point | MT-BC50-10 | Rack for 50 mL vials (10 positions) |
| MT-BC200-10 | Rack for 200 mL vials (10 positions) | | |

MULTIVAP 6 CONCENTRATOR BASIC SOLUTION

The MultiVap 6 is a basic, cost effective sample preparation instrument featuring 6 independent channels. Without transferring, samples are directly concentrated in the vial thereby reducing the risk of transfer loss, improving recovery and saving precious time. The nitrogen flow rate of each channel can be adjusted independently as well as the needles that can be adjusted up and down. The aluminum alloy heating block guarantees temperature uniformity for all samples.



► TECHNICAL FEATURES

- Possibility to run up to 6 samples of 40 mL
- Parallel concentration model
- Possibility to simultaneously or separately work with six channels
- Nitrogen blow in combination with heating concentration mode
- Dry block heating technology to avoid potential water vapor interference
- P.I.D. temperature control with digital display
- Possibility to choose the best position of nitrogen needles to ensure the most efficient evaporation
- Dedicated nitrogen flow regulator for each sample channel
- Compatibility with collection vials of Sepaths UP
- Unique “open view” to control the sample volume level during the evaporation process
- Temperature range: ambient to 120°C
- Weight: 8 Kg
- Dimensions: (LxWxH cm) 13x35x20
- Power supply voltage: 230V 50/60Hz

■ *Specially designed adapters available*

Ordering information U-SP9005-C01

■ *LabTech strongly recommends its own nitrogen generators. See the web or the dedicated brochure!*

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LabTech, your reliable laboratory solution provider.

LabTech is a leading manufacturing company with skill and passion devoted to provide advanced laboratory solutions to the analytical community. We are located in Sorisole, northern Italy, with facilities in USA and China. Incorporated with global branches, LabTech is organized into 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, gas generators and laboratory centrifuges. With knowledgeable scientists and experienced engineers, our R&D team has developed and released a series of new lab equipments and instruments dedicated to the modern analytical laboratories. With all of these accomplishments and our endless research and development efforts, we are proud to be your professional partner.



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