

# ADVANCED CONCENTRATION SOLUTIONS

**LabTech**



Method:   
Sample:   
Solvent:  Diameter:    
Tube Size:    
Temperature:     
Pressure:     
Interval:   
Timer:   
Channel:

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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  $100^{\circ}\text{C}$
- 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 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 90°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 IV-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!*



## MAIN APPLICATIONS

- Chemistry
- Environmental organic analysis
- Food
- Forensic medicine
- Geochemistry
- Organic analysis
- Organic analytical chemistry
- Petroleum analysis

MultiVap 10  
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