



# MFV Series

## Smart Nitrogen Concentrator

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# MFV Series Smart Nitrogen Concentrator

Detelogy hot sale products, the MFV series smart nitrogen concentrator, which adopts PID heating technology in water bath, and blows nitrogen into the heated sample surface continuously, thus achieving the rapid anaerobic concentration of sample. The classic disc structure, simple operation, strong compatibility, various models, which can meet the demands of different laboratories, making the tedious concentration process more efficient!

## Fields of application

### Food Safety

Additive content, organic high-risk substances, etc.



### Agricultural product testing

Pesticide residues, veterinary drug residues



### Drug Analysis

Pesticide residues in Chinese herbs, biochemical analysis

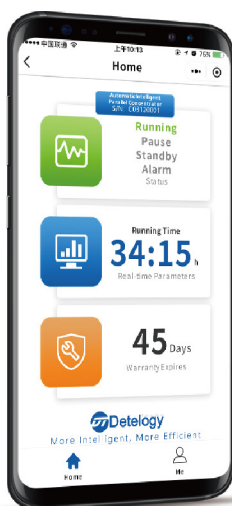


### Environmental Monitoring

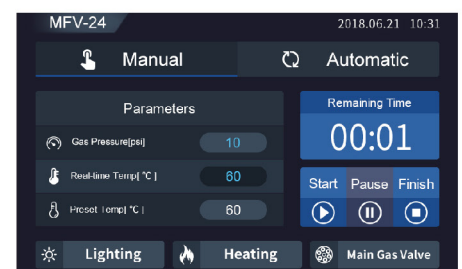
Soil, water quality, Sediment



## Intelligent control terminals



- Dual control mode: manual mode and automatic mode combined makes concentration process more intelligent and flexible.
- Accessible real-time information: control terminal has real-time display of nitrogen pressure, water bath temp. and concentration time. Parameters are adjustable during concentration process.
- Small details make convenience: preheating of water bath in preparation for the concentration process; automatic alarms after the process is completed; quick switch between Chinese and English interfaces.



★ More Intelligent: remote monitoring of concentration process is available in a mini program on WeChat. Notification messages will be received as soon as the process finishes.

## Performance advantage

The sample support is made of 316 stainless steel (the surface is treated with Teflon coating for anticorrosion), which can rotate freely in 360 degrees. There is a large round knob on the tray, which can adjust the height of the tray, and supports customized hybrid support.

Can hold a various concentration tubes: test tubes, centrifuge tubes, beakers, round-bottom flasks, conical flasks, etc. The concentration tubes' sizes: Ø10-35mm, H32-200mm; Volume: 1-150ml.

It equips 5-inch high-definition color touch screen, which can display various parameters (such as: water bath temperature, nitrogen blowing pressure and concentration time, etc.) simultaneously.

Each channel is controlled in groups, each group is provided with an on-off valve, and each nitrogen blowing channel is provided with a digital valve to ensure parallelism and save nitrogen.

The nitrogen blowing needle can be lifted up and down with one key, we can change needle quickly, and a dual-purpose nitrogen blowing needle disposable pipette tips can be selected.

The surface of the water bath pot is treated with special anti-corrosion coating, and the front is equipped with window and lighting function. The side is equipped with intelligent quick-inserting drain port as standard, and it is heated by PID temperature control technology.

Model	Specification
MFV-12	12-positions pipe rack, can hold Ø10-35mm sample tube
MFV-12Plus	6-positions macroporous pipe rack, which can hold Ø10-52mm sample tubes and accommodate beakers.
MFV-24	24-positions pipe rack, can hold Ø10-35mm sample tube
MFV-24Plus	Plus 12-positions macroporous pipe rack, can hold Ø10-52mm sample tube, can hold beaker.
MFV-36	36-positions pipe rack, can hold Ø10-35mm sample rack pipe
MFV-16	16-positions pipe rack for 16-positions pear-shaped bottle, heart-shaped bottle and round-bottom flask

## Intelligent Sample Preparation Solution

Too many samples, if you don't want to adjust manually?

FV64 automatic nitrogen concentrator can easily achieve it for you.



### FV64 automatic nitrogen concentrator

★ Standard 64 positions, each nitrogen blowing channel, can be independently controlled and flexibly combined.

★ Nitrogen blowing needle automatically follows the drop of liquid level, adding automatic time-delay and time-delay pressurization function, and easily deal with nearly dry up concentration.

The nozzle-following mode and the vortex shearing mode to achieve the operating habits of different researchers!

### FV64UP automatic intelligent dual-mode nitrogen concentrator

★ can hold nozzle-following mode and the vortex shearing mode, three-sided transparent water tank design, high-throughput. Users can monitor remotely via WeChat applet DTLabs.



“For the detection of semi-volatile organic compounds in soil, Detelogy could be your good assistant.”

iQSE-06 quick solvent extraction system + FlexiVap automatic intelligent parallel concentrator



### iQSE-06 quick solvent extraction system

★ It can process six samples at the same time, which can greatly reduce the extraction time and solvent consumption. It can hold multi-specification collection bottles, connect with automatic intelligent concentration equipment. It is unnecessary to move samples, realizing efficient sample preparation and connection.

### FlexiVap automatic intelligent parallel concentrator

★ The processing capacity is upgraded, and it can process 12/24 samples at the same time. It can adjust the nitrogen blowing angle automatically. Each sample can be controlled independently, and it is equipped with independent infrared optical fiber liquid level sensor for precise quantitative concentration.

