

# Sample Concentrator (Nitrogen Evaporator)

## Nitrogen Evaporator EV-HMI-50

### Description :

- Aone Scientific is a nitrogen blow-down Semi automated evaporation system that provides automated evaporation of up to 144 samples in parallel with endpoint detection.
- This modern design features many new enhancements including a top glass in tank for much greater visibility removable/replaceable nozzles on the lid, on- the- fly nozzle adjustment, easily exchangeable manifolds to extend functionality, programmable evaporation flow gradients, easy access drain port and user friendly touch screen interface.
- This automated nitrogen evaporation system uses vortex airflow generated from stable angled nitrogen blow, to constantly disturb the sample surface and lower its vapor pressure in order to gain gently rapid evaporation under water bath heating.

Each sample position is equipped with optical align to precisely determine endpoint of concentration. User can have real-time monitoring to whole process through built-in touch screen, make it easier to access and observe.

- Aone EV-HMI50 Automated evaporation system is designed for large-volume concentration for sample batches, typically used to evaporate extracts of soil and water samples from environment, azo dye from textiles, fat and acid value from fried foods, as well as residues of pesticides and veterinary drugs



### Applications:

- Forensic Toxicology
- Lcms & Analytical research
- Lather Testing
- Fisheries Industries

### Safety compliance:

- CE certification
- ISO 9000 & ISO 8199

### Features :

- Feather Touch Display
- Advanced Micro Controller based
- 480x272 pixels color TFT Display and LCD at each and every operation or any faults messages on the display
- Adjustable blow down angle: optimize the shear vortex action by adjust the angle of the needles pointing, to ensure efficient evaporation
- 100 % Made In India

### Vortex shearing technology



Ordering Information		
Description	QTY	Part No.
Nitrogen Evaporator		
15 Sample System	1	1120-1415
30 Sample System	1	1120-1430
50 Sample System	1	1120-1450
100 Sample System	1	1120-1100
144 Sample System	1	1120-1144

Rack Specifications (SS 316L)	
Rack type (mm)	Working Volume
12 mm x 75	4 ml
12 mm x 100	5 ml
16 mm x 100 (Standard)	10 ml
15 mm x 125	11 ml
15 mm x 150	13 ml
17 mm x 125	15 ml
18 mm x 150	20 ml
20 mm x 150	30 ml

# Sample Concentrator (Nitrogen Evaporator)

## Nitrogen Evaporator N2 EV -50

### Features:

Nitrogen evaporators are used to prepare samples for analysis. Used in many industries, such as food, biotechnology, analytical chemistry, petroleum, and environmental sciences, nitrogen evaporators dry and concentrate samples so that tests like mass spectrometry, gas chromatography, and high performance liquid chromatography (HPLC) can be performed on them. Samples are loaded into the nitrogen evaporator and then nitrogen blowdown is used, sometimes in conjunction with heat, to rid the sample of moisture. There are variations among nitrogen evaporators, including how many sample positions it contains, whether it uses wet or dry baths, if it needs hood space or not, and whether it provides heat as well as nitrogen blowdown to evaporate the samples.



### Applications:

- Forensic Toxicology
- Lcms & Analytical research
- Lather Testing
- Fisheries Industries
- Food, water, soil and environmental solvent extraction
- Environmental samples
- Agrochemical samples
- Forensic and crime samples
- Drugs of abuse samples
- Food and beverage analysis
- Pharmaceutical biotech compounds
- Clinical samples



### Safety compliance:

- CE certification
- ISO 9000 & ISO 8199

### Documentation:

- Operational Manual IQ/OQ/PQ & CE Certificate will be provided

### Note :

before Placing Order Follow FAQ

- 1) Once Confirm Sample Capacity
- 2) Connection Size

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### Parts List

Sr. No	Description	QTY
1	Nitrogen Evaporator	1
2	Rack (as per test table size)	1
3	8mm PU tubing	1
4	Exhaust hose (2mtr)	1
5	Nozzle Caps	1
6	Male Connector	1
7	Water Remover	1
8	Power Cord	1

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