

NITROGEN CONCENTRATOR / SAMPLE EVAPORATOR



Nitrogen Concentrator is a Precision Sample Concentrator by Nitrogen Purging. It is newly designed Sample Concentrator for multiple sample pre-concentration of samples in organic media. A tabletop model, the unit can be set to a constant flow and constant temperature to ensure good evaporation.

Technical Specifications

- Space Requirements : Table top or fume hood with minimum dimension L, W & H (cms) 70 x 50 x 65 and table weight capacity 35 kg.
- Work Area : Flat levelled and stable surface
- Power Supply : 230 AC / 5 Amp single phase stable and well grounded.
- Gas Supply : Laboratory grade nitrogen
- Inlet Pressure : 60 PSI minimum, 100 PSI maximum (And ON / OFF control valve)
- Exhaust : Exhaust duct outlet or fume hood - the exhaust duct must go outside the lab.
- Water Bath Capacity : 6.5 Ltr. distilled water (6.5 Ltr. do not over flow)

Note : Do not operate the instrument without the exhaust duct.

Product Specifications for Model : EV-PLUS-100

- Time Range : 15 sec to 10 hours
- Time Set Arrow Keys (UP / DOWN) : 15 sec increments
- Temperature Range : Ambient to 90°C (with thermal cut off for safety reasons)
- Start / Stop Green LED : Indication when process is ON
- Sample Capacity : 100 Nos.
- LCD Display : Digital
- Gas Consumption : 30 LPM
- Pressure Regulator Range : 0-100 PSI
- Pressure Gauge Range : 0-100 PSI
- Controller : Fully Microprocessor based
- Water Tank Capacity : 6.5 Ltrs.
- Gas Lines : 10 Nos. (1-10 samples per line, nozzle caps provided)
- Dimensions (HxWxL) : 540 x 380 x 590 mm
- Weight : 35 kgs. (Empty tank)
- Exhaust : Built-in exhaust, no fume hood required
- Error Indication : Buzzer Sound
- 230 V AC / 6 Amp

Product Specifications for Model : EV-PLUS-50

- Time Range : 15 sec to 10 hours
- Time Set Up / Down arrow keys (15 sec increments)
- Temperature Range : Ambient to 90°C (thermal cutout for safety)
- Temperature Set Up / Down arrow keys (1°C increment)
- Start / Stop : Green LED indication when process is On
- Display : LCD (Digital)
- Gas Stations : 5 Nos. with LED indication
- Pressure Regulator Range : 0 to 100 PSI (approximate)
- Pressure Gauge Range : 0 to 100 PSI
- Controlled : Fully Microprocessor Based
- Sample Capacity : 50 Nos.
- Gas Line : 5 Nos. (1-10 samples per line, nozzle caps provided)
- Water Tank Capacity : 6.5 Ltr. (Not over flow)
- Dimensions : 600 (L) x 520 (H) x 400 (W) mm
- Weight : 25 kgs. (Empty tank)
- Exhaust : Built-in exhaust, no fume hood required
- Power Supply : 230 V AC / 6 Amp
- Error Indication : LED indication with Buzzer

Low Volume Concentrator 100 Samples (Max 4 ml capacity tubes)



Rack Specifications for Model EV-Plus-50

Rack Type	Working Volumes
12 mm x 75 mm	4 ml
12 mm x 100 mm	5 ml
16 mm x 100 mm (Standard)	10 ml
15 mm x 125 mm	11 ml
15 mm x 150 mm	12 ml
17 mm x 125 mm	15 ml
18 mm x 150 mm	20 ml
20 mm x 150 mm	30 ml

100 Samples Concentrator

- Work Area : Flat levelled and stable surface
- Gas Supply : Laboratory Grade Nitrogen
- Inlet Pressure : minimum 60 - maximum 100 PSI (And ON / OFF control valve)
- Exhaust : Built-in exhaust, no fume hood required
- Water Bath Capacity : 11 Ltr. distilled water
- Sample Tube : 12mm x 75 mm (4 ml) RIA Tubes