

# PreeKem - N1

Automated Evaporation System

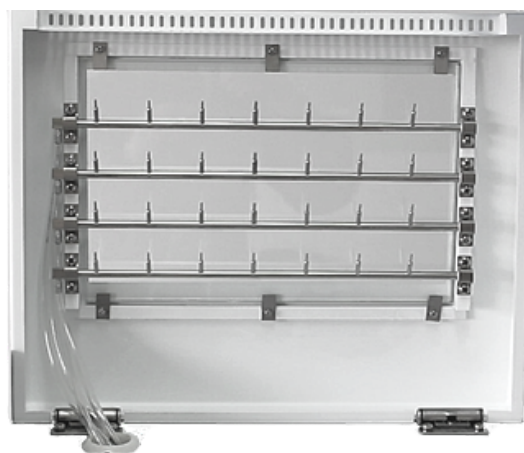


## Introduction

The Preekem N1 is an automated nitrogen evaporation device capable of handling up to 50 samples simultaneously. The instrument also comes with intuitive software and safety features providing smooth unattended operation.

## Features

- Detachable 7" LCD touch screen for easy operation and pressure monitoring
- The evaporation process is made quicker by using a vortex blow technique
- Gas is introduced simultaneously from each spout improving concentration parallelism
- The instrument has a tilting cover and a specialised gas connection which helps avoid vapours from gathering inside.



## Performance

- PID temperature control with  $\pm 1^{\circ}\text{C}$  accuracy
- A total of 10 reference methods can be stored at once
- 28 unit tray and 50 unit tray as options available
- The instrument is made from stainless steel, which is both acid and solvent resistant



## Safety Features

### Cover Open Sensor

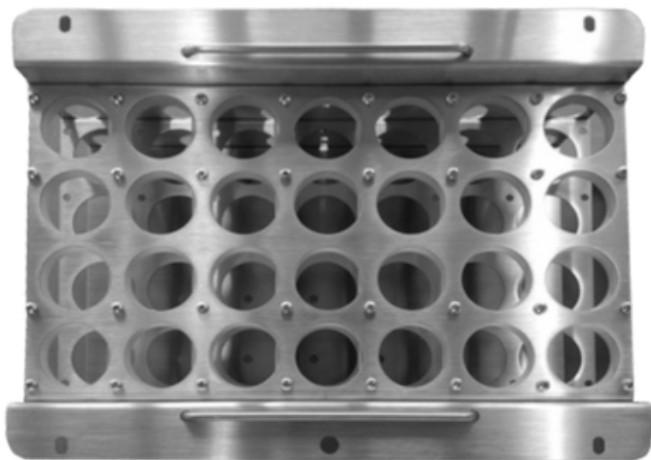
During evaporation, the gas flow will automatically stop once the cover is opened

### Temperature Alarm

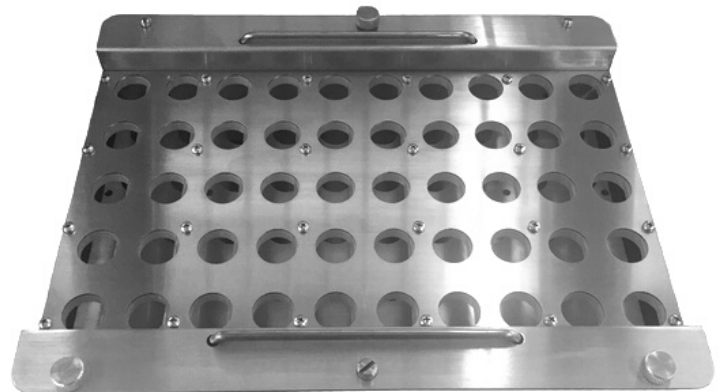
The system will sound an alarm if the instrument exceeds pre-programmed limits

### Pressure Alarm

The system will sound an alarm if the pressure exceeds or drops lower than set values



**N1-28**



**N1-50**





## Specifications

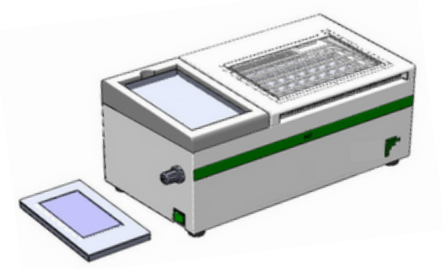
Type	N1-28	N1-50
Power	220V±10%, 50Hz	220V±10%, 50Hz
Wattage	900W	900W
Mode of heating	Water Bath	Water Bath
Pneumatic Control	4 Independent Channels	5 Independent Channels
Sample Rack	28 tube positions	50 tube positions
Sample tube	15mL or 50mL centrifuge tube	15mL centrifuge tube
Standard Vessel Size	Φ29-30mm	Φ16-17mm
Temperature	r.t.-99.9°C	r.t.-99.9°C
Temperature Accuracy	±1°C	±1°C
Time control	0-999min	0-999min
Method Library	10	10
Operating Temperature	5-40°C	5-40°C
Operating Humidity	20%-80%RH	20%-80%RH
Size	280mm(H)*545mm(W)*325mm(D)	280mm(H)*545mm(W)*325mm(D)
Weight	21kg	21kg

## Intuitive and Easy to Use Software

Monitor Temperature, Pressure and Time as well as being able to create up to 10 sequential methods for the instrument to run.

Based on the model chosen, you can set between 1 and 5 channels to operate at one time.

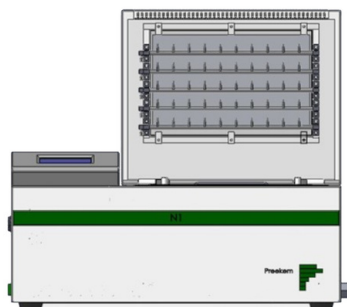
Set Temperature range for the sequence to operate between and the N1 will notify you if any sequence runs outside this range.



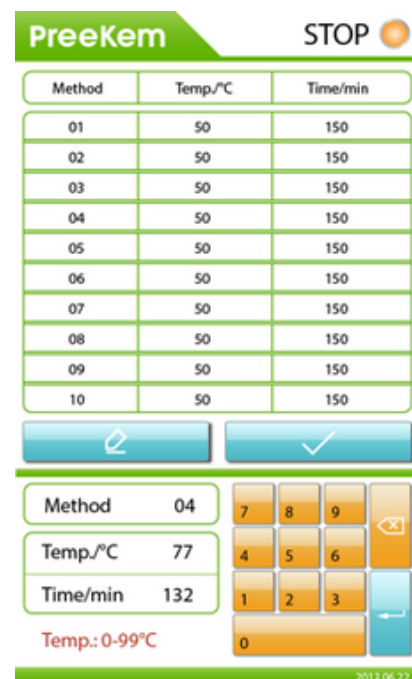
7" Touch screen is detachable for wireless operation and monitoring



Vortex Gas Flow



Simple opening and closing mechanism allows for easy loading of sample trays



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