

## USER GUIDE

### N2 Bench Top Desiccator

Clean & Inert storage



**Catalog # UCD604040**

External dimensions L 612 x W 409 x H 403 mm

## Contact Information

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### Palbam Class

Palbam Metal Industries

En Harod Ihud, 18960, Israel

Tel: ++972-4-6530783

Fax: ++972-4-6530736

Email: [info@palbamclass.com](mailto:info@palbamclass.com)

Web: [www.palbamclass.com](http://www.palbamclass.com)

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## Specifications

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### **Desiccator Fabrication materials:**

Stainless steel 304L with electro polished finish

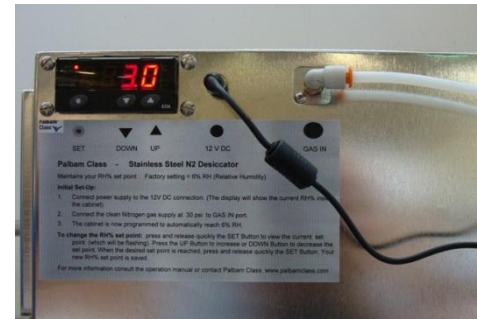
Window fabricated from static dissipative PVC

### **Purpose of Desiccator**

The Desiccator is designed for storing parts / products in an inert N2 purged, clean environment. The easy to use control panel allows the user to define RH% setting. The Desiccator has a built in RH% sensor & display panel – allowing user to monitor realtime relative humidity levels within. The Desiccator then regulates N2 input to ensure the desired RH% levels are maintained economically.

**Reduces N2 input by 80% compared to non controlled Desiccator cabinets.**

Factory settings allows RH% level to be set as low as 5%. This should be sufficient for most applications. However if customer requires RH% lower than 5%, the control panel can be easily modified – contact Palbam Class for details.



## Control Panel



SET



DOWN



UP



12 V DC



GAS IN

### Palbam Class - Stainless Steel N2 Desiccator

Maintains your RH% set point : Factory setting = 10% RH (Relative Humidity).

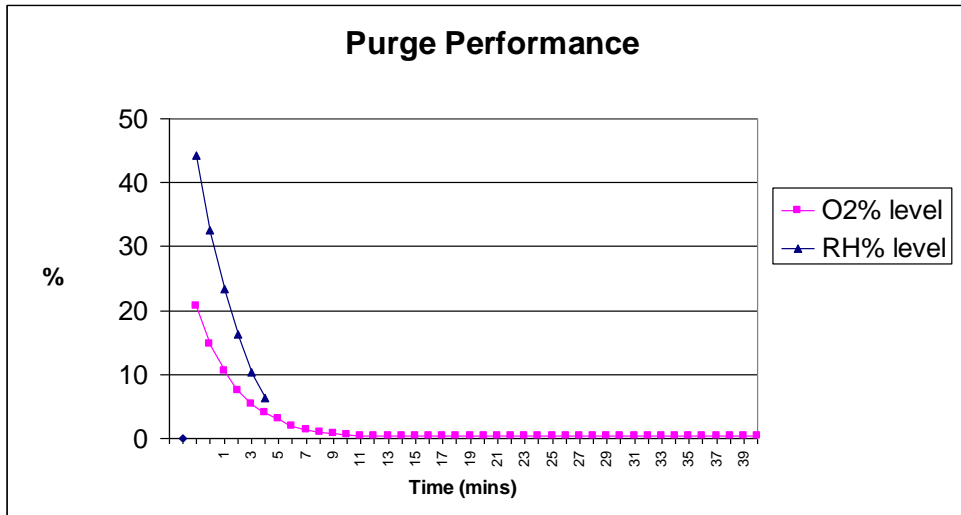
#### Initial Set-Up:

1. Connect power supply to the 12V DC connection. (The display will show the current RH% inside the cabinet).
2. Connect the clean Nitrogen gas supply at 30-45 psi to GAS IN port.
3. The cabinet is now programmed to automatically reach 10% RH.

**To change the RH% set point:** press and release quickly the SET Button to view the current set point (which will be flashing). Press the UP Button to increase or DOWN Button to decrease the set point. When the desired set point is reached, press and release quickly the SET Button. Your new RH% set point is saved. (Minimum possible setting is 5% RH).

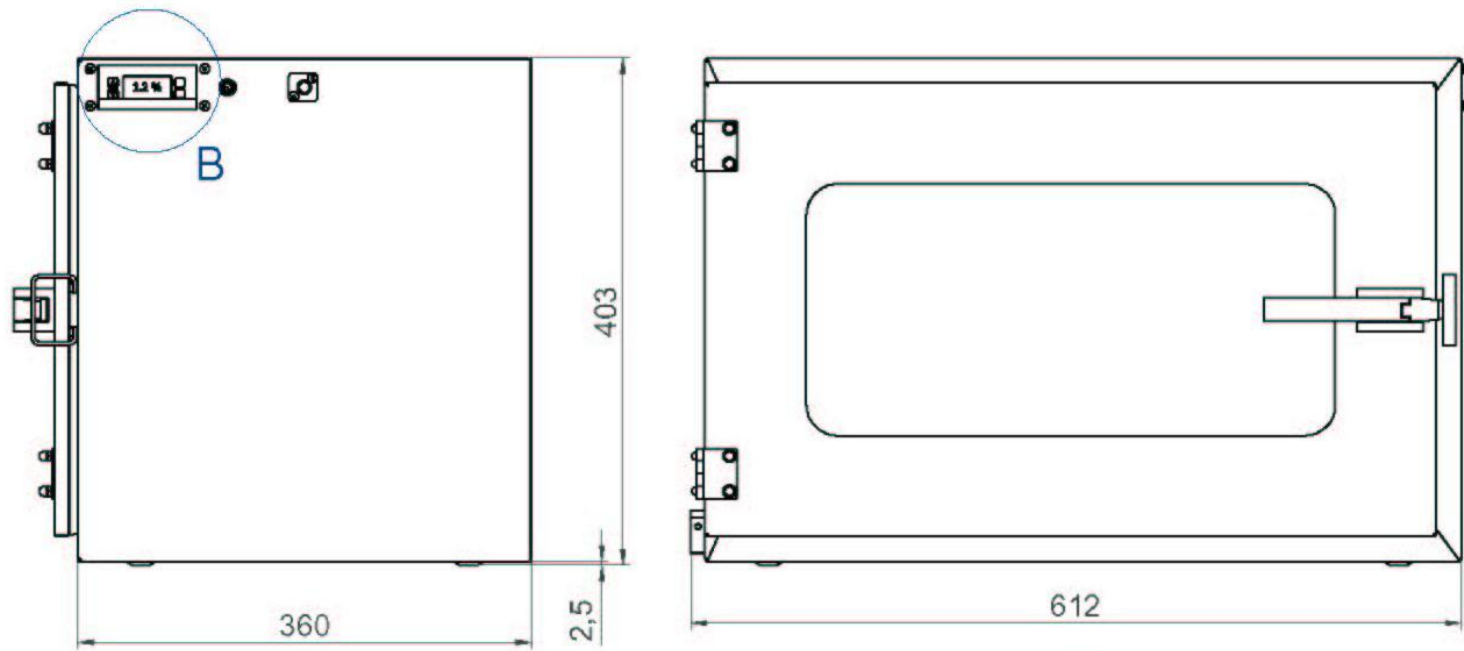
For more information consult the operation manual or contact Palbam Class [www.palbamclass.com](http://www.palbamclass.com)

## Purge Performance Graph

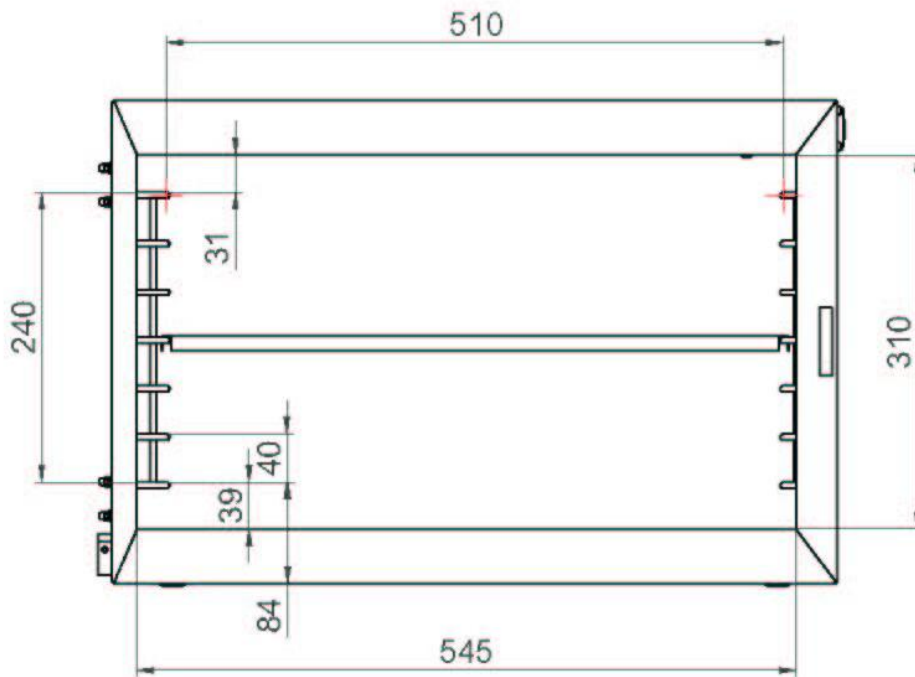


Graph shown as guide only. Performance depends on ambient RH% & temperature and moisture content of products placed inside.

## External Dimensions



## Internal Dimensions





## Cabinet Cleaning

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**Do not wet the cabinet as electrical components are inside**

Wipedown with soft cleanroom wipe – moistened with either DI water or IPA

## Part Numbers

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Standard Dimensions include:

<b>Product</b>	<b>LxWxH (mm)</b>	<b>Catalog #</b>
Bench Top Desiccator	600x400x400	UCD-604040
Bench Top Desiccator	600X400X600	UCD-604060
Bench Top Desiccator	800x500x500	UCD-805050
Bench Top Desiccator	800x500x800	UCD-805080

Solid Shelves can be purchased for the cabinet:

<b>Product</b>	<b>LxWxH (mm)</b>	<b>Catalog #</b>
Solid Shelf	600x400	DS-6040
Solid Shelf	800x500	DS-8050

## Important Notice

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**N2 Supply must be connected to unit at all times the control unit is switched on.  
Failure to connect N2 supply may result in valve overheating.**