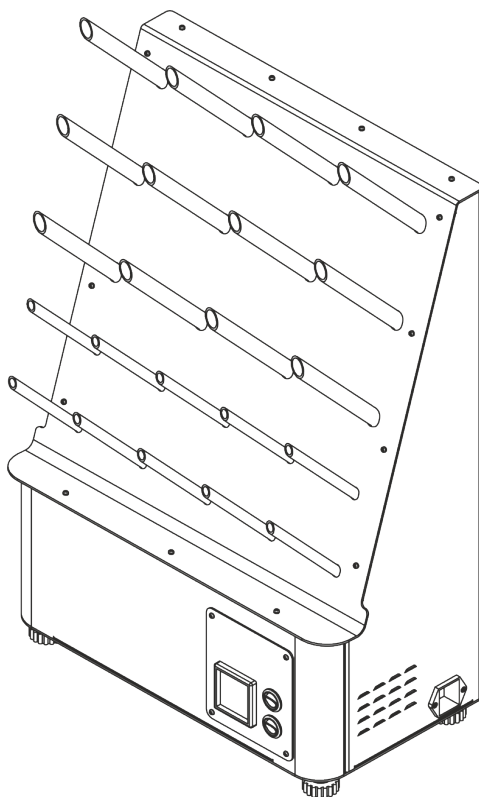


**LABQUEST**  
BY **BOROSIL®**

# GLASSWARE DRYER

## OPERATING MANUAL GDS010



**DEALER :**



## THANK YOU NOTE

*We Borosil, one of India's most customer oriented brands truly appreciate your business and express our gratitude for the trust you have placed on us.*

*We hope your choice serves you well in your scientific endeavors and aspire to have the pleasure of doing business with you for years to come.*



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**PACKING LIST**

<b>Sr. No</b>	<b>Description</b>	<b>Quantity</b>
1	Glass Dryer Unit	01 No.
2	Leveling Shoes	04 Nos.
3	Mounting Stand RHS	01 No.
4	Mounting Stand LHS	01 No.
5	Wall Mounting Plate	01 No.
6	M8 Screws	04 Nos.
7	Wall Mounting Screws	04 Nos.
8	Wall Plug	04 Nos..
9	Power Cable	01 No.
10	Air Filter	02 Nos.
11	Operating Manual	01 No.

## SAFETY AND WARNING



### Important operating and maintenance instructions

Read the accompanying text carefully.



### POTENTIAL ELECTRICAL HAZARDS

Only qualified persons should perform procedures associated with this symbol.



### LIFTING HAZARD WARNING

The glassware dryer weighs more than 18 kg.

Take adequate safety measures while moving this unit.

**Equipment being maintained or serviced must be turned off and locked off to prevent possible injury.**



### CAUTION:

- On long hours of usages the glassware rack and body panels will get hot.
- The hot surfaces may cause burns to unprotected skin, or to materials which may be damaged by elevated temperatures.
- Always use proper protective equipments. (Clothing, gloves, goggles, etc.)
- Always follow good hygiene practices.
- Each individual is responsible for his / her own safety.

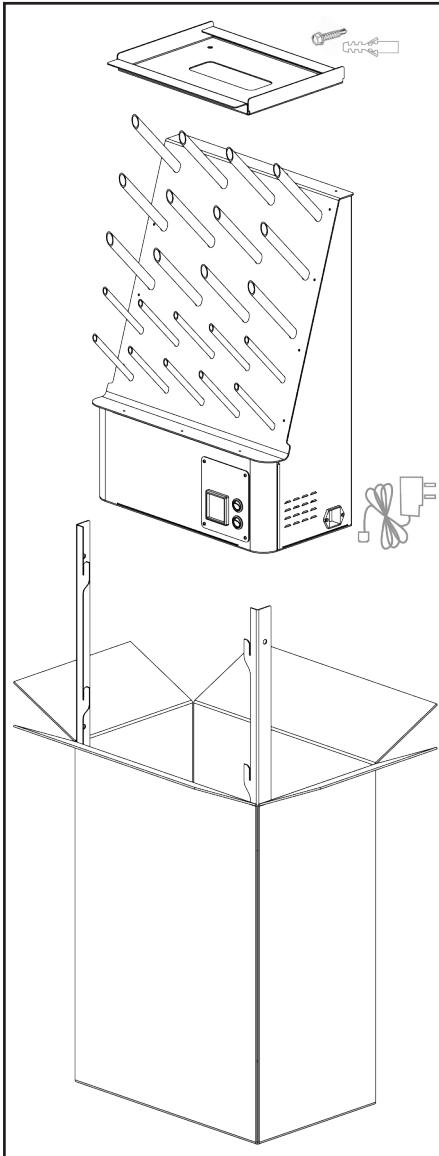
## SAFETY INSTRUCTIONS

- Avoid mounting on old or dilapidated walls with poor strength.
- Ensure the wall mounting is done by anchor plugs and screws of right strength.
- Do not hang on or pull the unit when wall mounted.
- Do not keep the unit on wet bench top.
- Do not wash the unit with water.
- Wipe the unit with dry cloth after usage.
- Always ensure water is not dripping on the power socket of the unit.
- Place glasswares only after complete draining of the water.
- Ensure no water is poured into the pegs.
- Do not change the air filter while fan is in running condition.
- The unit should be plugged to standard 230V 50Hz, 3 pin power socket.
- The unit should be plugged into power socket having proper earthing.

### **WARNING:**

In adequate earthing at the installation facility can lead to hazardous electrical shocks. The manufacturer is not liable for any injury or death resulting from electrical hazards due to faulty earthing in the lab.

## UNBOXING OF THE PRODUCT



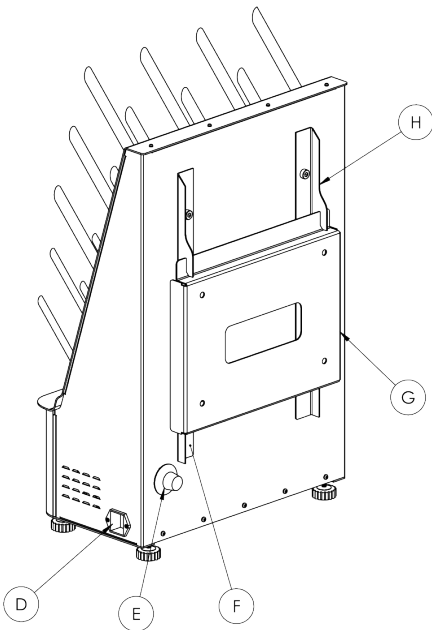
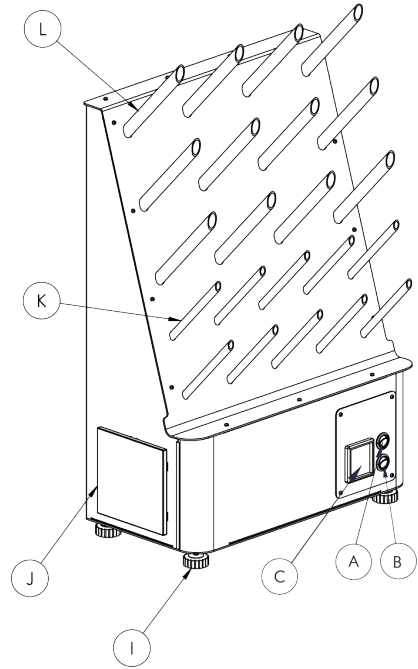
### UNPACKAGING INSTRUCTION:

1. Remove power cable, leveling shoes and M8 screws.
2. Remove the wall mounting stand.
3. Remove two units of air filter and preserve one for future use.
4. Remove the glass dryer unit safely.
5. Remove the two mounting stands LHS / RHS which are placed in the corner of the carton.
6. Post unpacking the unit if any damage is found please report to the dealer / delivery agent.

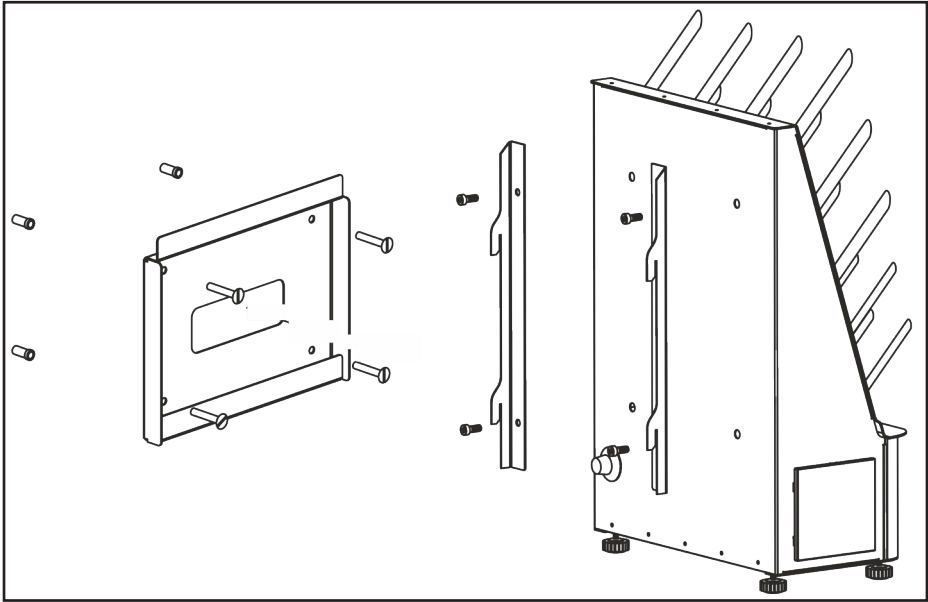
**(Read manual before installation on the wall.)**

## PRODUCT IDENTIFICATION

- A. POWER SWITCH (FAN ON)
- B. HEATER SWITCH
- C. TIMER
- D. POWER SOCKET
- E. ENERGY REGULATOR
- F. MOUNTING STAND RHS
- G. WALL MOUNTING PLATE
- H. MOUNTING STAND LHS
- I. LEVELING SHOES
- J. AIR FILTER
- K. DIA 10 PEGS
- L. DIA 16 PEGS

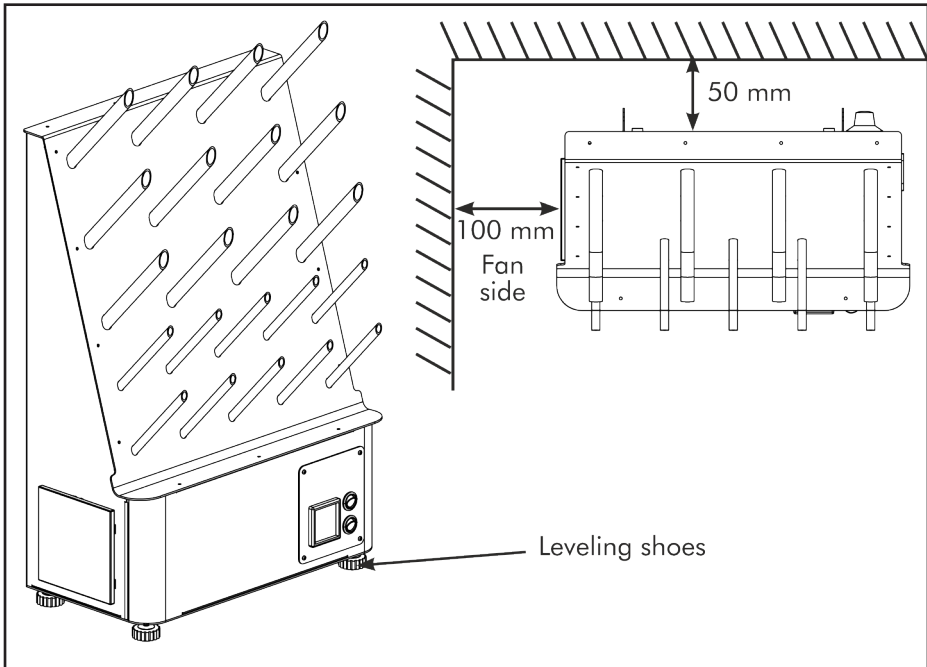


## INSTALLATION ON WALL



1. Place the wall mounting stand in position and drill.
2. Fix the wall plug on wall.
3. Place the wall mounting stand in position, insert the screw and tighten it.
4. Insert the leveling shoes at the base and tighten it.
5. Fix the mounting stand LHS / RHS as shown on glass dryer unit in their respective position and tighten it with M8 Screws.
6. Connect the power cable in power socket on the machine.
7. Safely lift and fix the glass dryer on the hook given in mounting stand. The unit weight 18 kg. and may require 2 people for the installation.
8. Ensure that the power switch and start switch are in off position.
9. Connect the male in power cable to the wall socket (230V - 50Hz, 5A).
10. Please ensure there are two 5A fuse in the integrated socket with fuse box.
11. Please ensure the energy regulator at the rear of the unit is always maintained at 75% setting.
12. Place only one air filter in the filter holder. The unit is ready to operate.

## INSTALLATION ON LAB BENCH



### Instruction for using desktop variant:

1. Insert the leveling shoes at the base and tighten it.
2. Connect the power cable in power socket on the machine.
3. Make sure minimum 100 mm gap is maintained between fan position and the wall and minimum 50 mm gap between back side of dryer and wall.
4. Ensure that the power switch and start switch are in off position.
5. Connect the male power cable to the wall socket.
6. Please ensure there are two 5A fuse in the integrated socket with fuse box.
7. Please ensure the energy regulator at the rear of the unit is always maintained at 75% setting.
8. Place only one air filter in the filter holder. The unit is ready to operate.

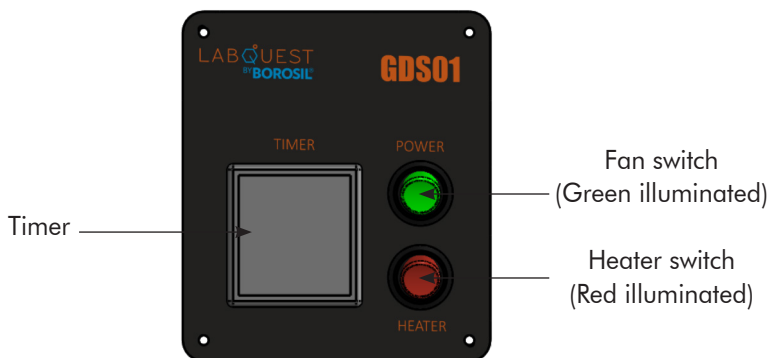
## OPERATING THE UNIT

1. Switch on the wall power switch.
2. Switch on the green illuminated power switch and the fan will start.
3. Check whether the current is flowing in the body by using tester.

### WARNING!



If the tester lights, switch off the unit, remove power cable from the wall and check earthing. If the problem persists, do not operate the unit and please contact Borosil Service Center.














4. Wash and drain excess water from lab-ware. To avoid dissolved salt staining, it is advisable to rinse the glassware with distilled water.
5. Always ensure there is no excess water to enter the pegs when inserting the glassware on the pegs.
6. For plastic lab-ware the unit can be run without starting on the heater.
7. For glass lab-ware, switch on the heater by pressing the red illuminated switch.
8. The timer will be activated with the factory preset time value of 15 minutes. It is considered suitable for most glassware except for monsoon season.
10. The heater will switch off after the set time is reached.
11. The fan will continue to run till the green illuminated switch is off.
12. Please ensure the fan is running for 5 to 10 minutes after the set time is reached.



## SETTING THE TIMER

The timer is factory set with 15 minutes as the default time value. However the user can change this value as per the local humidity and the temperature conditions. We recommend the maximum time is never set above 30 minutes for one cycle. The time can be set as per the below instruction.

**Note:** Press  key to change the set value. The corresponding digit will increment from **0** to **9** and then will roll over back to **0**. Press  key to store set value

Key	Display	Description
Only if mode selected is on delay / Interval		
  		To set 1 <sup>st</sup> digit
  		To set 2 <sup>nd</sup> digit
  		To set 3 <sup>rd</sup> digit
<b>Note:</b> Press  key to store set value		
<b>Note:</b> If the set value is 000 then timer must hold (not work). All indications will be OFF.		

Once the time is set, instrument will continue to work with the old value. Please restart the instrument by switching off and on the green illuminated switch. Now the device will start with new set time.

## TROUBLESHOOTING

1. The unit is not turning ON.
  - ☞ Check the power supply in main.
  - ☞ Make sure power cable is inserted to the socket properly.
  - ☞ Check whether the main switch is ON or not.
  - ☞ If illuminated switch is not ON, please check the fuse.
  
2. If the fuse is blown.
  - ☞ Remove the power cable from unit.
  - ☞ You can see a small tray below the socket. Pull the tray out.
  - ☞ Ensure the fuse farther inside the box is not damaged.  
If damaged, please remove the fuse.
  - ☞ The nearest fuse in the tray is spare.
  - ☞ Replace the damaged fuse with spare fuse.
  - ☞ It is advised to maintain one spare fuse in the fuse tray.
  
3. No or low air blowing from pegs.
  - ☞ Make visual inspection of the pegs for any block in the pegs.
  - ☞ Check the filter for any block or dust.
  - ☞ If the filter is clogged please replace the filter with a new one.

☞ Make sure Green illuminated switch is ON.

  - ☞ Check if you hear the fan sound.
  - ☞ Remove the air filter and visually check the fan is running.
  - ☞ If the fan is not running, contact the service agent.

## TROUBLESHOOTING

4. Hot air is not blowing.
  - ☞ Check if the red illuminated switch is ON or not.
  - ☞ If the switch is OFF please switch it ON.
  - ☞ If the switch is working the red light will illuminate.
  - ☞ Check if the timer is turning ON. The minimum set time should be about 5 minutes.
  - ☞ If the timer is not turning ON, please contact Borosil service center.
  - ☞ Make sure the energy regulator is set at 75%. If not, set it to 75%.
  - ☞ If hot air is still not blowing, please contact Borosil Service Center.
  
5. Unbalance in shoes.
  - ☞ Adjust the shoes by rotating them and set them to required level.
  
6. The unit is working but there is unexpected sound from the fan.
  - ☞ Please switch off the device and disconnect it from A/C mains.
  - ☞ Ensure the air filter is not protruding inside the fan grill.
  - ☞ If any visual protrusion is found, please remove the air filter.
  - ☞ Visually inspect if any other object is obstructing the fan blade.
  - ☞ If any obstructions are found and is removable from the fan grill side, please do so.
  - ☞ Replace the air filter and switch ON the unit.
  - ☞ If the sound persists, please contact Borosil Service Center.



## WARRANTY REGISTRATION

Please handover this registration form to the distributor from where you have purchased this product. The warranty is valid only when this warranty registration form is received by us within 30 days from the date of purchase.

Product : GLASSWARE DRYER

Product Sr. No.: \_\_\_\_\_

Date of Invoice : \_\_\_\_\_

Invoice No.: \_\_\_\_\_

### Customer name & address

Name : \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Telephone: \_\_\_\_\_

E-mail: \_\_\_\_\_

### Customer sign & seal

### Dealer name & address

Name : \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Telephone: \_\_\_\_\_

E-mail: \_\_\_\_\_

### Dealer sign & seal



# BOROSIL® Scientific

STATEMENT OF WARRANTY

Borosil confirms that this product has been manufactured in accordance with our technical specifications and quality requirements.

- Borosil warrants the product from manufacturing and workmanship defects for a period of 12 months from the date of invoice.
- Warranty void if apparatus is not operated as prescribed in GDS010 operating manual.
- To be covered under warranty.
  - Units have to be connected to standard 230V, 50Hz, 5A wall sockets with proper earthing.
  - The units should never be run with heater on continuously for more than one hour.
  - Warranty does not cover rust and physical damage to metal parts due to corrosive environment in the lab.
- Terms:
  - In the event of malfunction due to defect, the buyer will have to follow the Borosil's service process.
  - Certain units can not be serviced / rectified at the buyer's place and the units may have to be brought to Borosil's service center as advised by Borosil's representatives.
  - In no event shall Borosil be liable for consequential or incidental damages.

<b>INVOICE DATE</b>	<b>BUYER</b>	<b>AFFIX SERIAL NUMBER</b>
<b>INVOICE#</b>		
<b>Dealer name &amp; address</b>		<b>Dealer sign &amp; seal</b>

**BOROSIL SCIENTIFIC LIMITED**

Corporate Office : 1101, Crescenzo G-Block, Opp. MCA Club, Bandra Kurla Complex, Bandra (E), Mumbai-400051, India.



**: MANUFACTURED BY :**

**Borosil Scientific Limited**

Plot No.7, Sr. No. 234, 235 & 245,  
Indialand Global Industrial Park,  
Hinjewadi Phase 1, Pune - 411057

*Write to us on above address.*

**: MARKETED BY :**

**Borosil Scientific Limited**

1101, G-Block, Parinee Crescenzo,  
BKC, Bandra East, Mumbai - 51

Maharashtra, India

**: CUSTOMER CARE CONTACT :**

**Phone : 1800 22 4551 | Email : [lab.support@borosil.com](mailto:lab.support@borosil.com)**

**Website : [www.borosilscientific.com](http://www.borosilscientific.com)**