

# TECHINCAL DETAILS OF *LabSTILL I<sup>™</sup>* (Laboratory Water Distillation Plant)

## 1. INTRODUCTION

All the tests in a textile Laboratory must be performed with distilled water as it can effect result drastically. Hence labSTILL I<sup>™</sup> is required to make any type of tap water into its purest form, by boiling & condensating it, for lab use. Paramount labSTILL<sup>™</sup> produces purest distilled water to serve textile laboratories.

## 2. EQUIPMENT

PARAMOUNT Lab-STILL<sup>™</sup> (Water Distillation Plant) has been designed to produce the distilled water. The main body of the equipment is completely made of stainless steel, which has two 1.5KW heaters for boiling the water to convert into steam. The steam travels through a tunnel circulated by cold water, which converts the steam into water again thus giving the purest distillate. Inlet & out let valve for water is provided for continuous flow of water in heating bath. This technically designed model removes all types of Impurities (Organic, Inorganic, gaseous, bacterial and phylogenic) to give 100% distill water for testing.

## 3. SALIENT FEATURES

- Specially designed equipment to produce distill water.
- Smooth precision engineered components for excellent performance & modern look.
- Stainless steel body gives gorgeous look & long life.
- Double heater (1.5KW each) for instant heating.
- Wall hanging provision to fix it in side the lab.
- Capacity 3-4 liters/hour.
- P value of the water lies between 5.5 to 6.5.
- Complete with all accessories.
- Supplied with calibration & inspection certificates.



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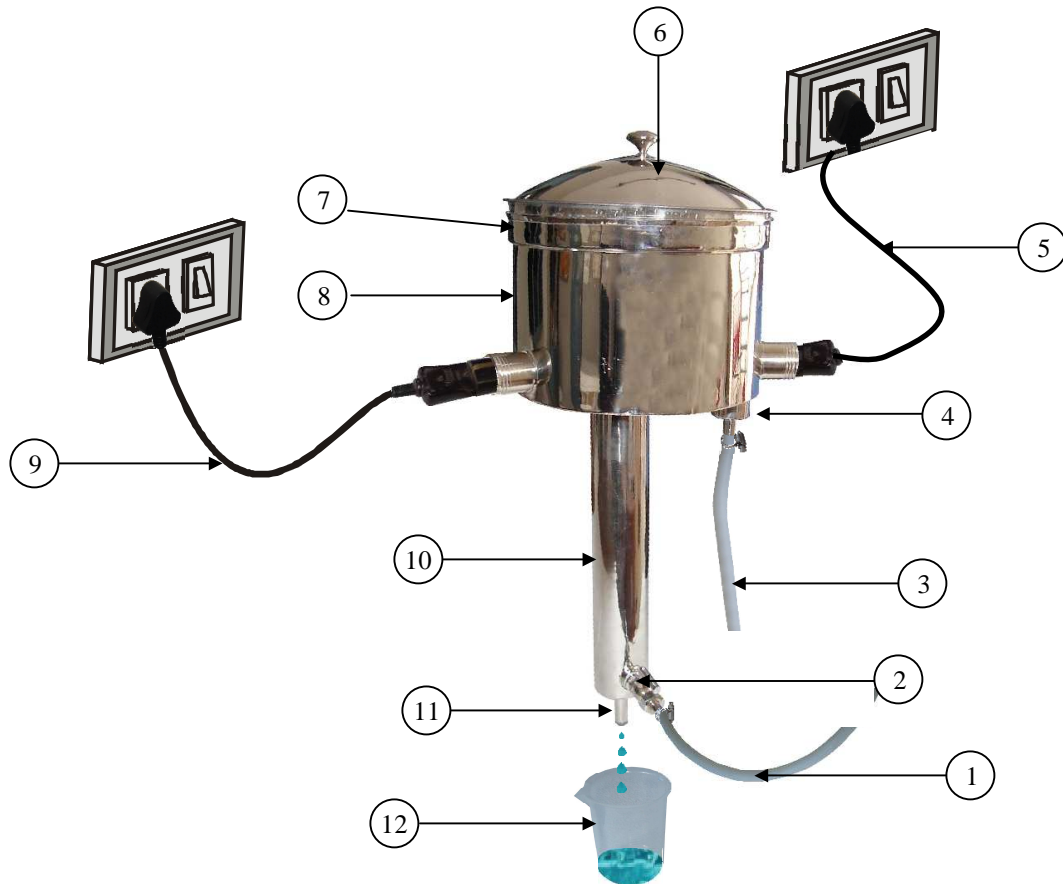


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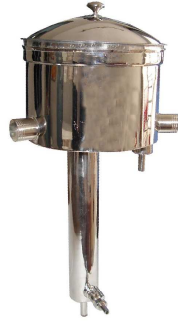
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#### 4. Details of the Main Unit of *labSTILL™*



1. Pipe to be connected to Tap with Continuous Flow of Water.
2. Water Inlet Control Knob.
3. Over Flow Pipe for Extra Water in the Main Chamber.
4. Water Overflow Unit.
5. Mains Lead of Right Side Heater.
6. Top Cover of the Unit.
7. Top Lid Resting Slot (Small Quality of water needs to be put in to this to enable sealing of the unit During Operation).
8. Mains Chamber of *labSTILL*.
9. Mains Lead of Left Side Heater.
10. Condenser Unit.
11. Distilled Water Outlet.
12. Beaker / Container to Collect Distilled Water.

## 5. Details of the Accessories Supplied with *labSTILL™*



Main Unit



Mains Lead (Right & Left Side)  
01 + 01 No. For Heaters



Wall Bracket with Screws  
(For Fixing the Unit to Wall)



S.Steel Clamps - 02 Nos.  
(For Fixing the Tubing to the Unit)



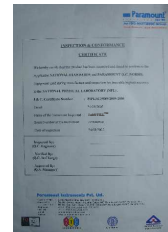
Plastic Tubing (Long)



Plastic Tubing (Small)



This User's Manual



Calibration & Inspection  
Conformance Certificate

Unpack your *labSTILL™* and ensure that you have the following units:

Main Unit (All S.Steel)	: 01 No.
Plastic Tubing (Long)	: 01 No.
Plastic Tubing (Small)	: 02 No.
Mains Leads (Right & Left Side) For Heaters	: 02 Nos.
Wall Bracket with Screws (For fixing the unit to wall)	: 01 No.
S.Steel Clamps (For fixing the tubing to the unit)	: 02 Nos.
Detailed User's Manual	: 01 No.
Calibration Certificate (Traceable to NPL)	: 01 No.
Inspection & Conformance Certificate	: 01 No.



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## 6. TECHNICAL DETAILS

Capacity	:	3 to 4 liters /hour
PH value of water	:	5.5 to 6.5
Hardness	:	0 (approx)
Power supply	:	230V A.C, 50Hz
Power Consumption	:	3Kw( Two heaters of 1.5Kw each)
Dimensions	:	1041(L)x305(D) mm 41(L) x 12(D) inch
Weight	:	6.5Kgs (14.3lbs)

**NOTE : With our constant endeavour to improve & excel, we reserve the right to alter the specification or modify the appearance without notice.**



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