



# Labstore Instruments LLC

Hot Plates, Baths, Furnaces,  
Soxhlet Extraction Heaters & Vacuum Pumps



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### Labstore Instruments LLC

*"Your one stop for high quality and affordable instruments. We supply instruments tailor-made for your testing and measuring needs, and guarantee your satisfaction."*

Labstore Instruments is a manufacturer and distributor of petroleum testing instruments. The company was founded back in 1978; our trading partners are the major refineries all over the world, Testing Laboratories, Analysts, Oil Refineries, Universities, and R&D Laboratories. Labstore helps incorporate high quality and affordable instruments in today's leading petroleum testing industry.

#### **VISION**

Our vision is to meet and satisfy our customers' needs through our environmental friendly, high quality affordable instruments provide and exceed international standards through value added specialized services.

#### **OUR VALUES**

**RESPECT** - In all our business activities, we accord respects to our customers, our staff, our suppliers and our peers.

**INNOVATION** - We strive to develop products and services that meet's our customer expectations and the industry requirements.

**SUSTAINABILITY** - We make business decisions that respect safety and the environment.

**RESULTS** - We do not accept complacency, we take responsibility for our own performance and use teamwork for the best outcomes.

**COMMITMENT** - We respond to the needs of our customers and go the extra mile to deliver great service.

**RELIABILITY** - We are there when you need us!

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## Hot Plates

### RECTANGULAR HOT PLATES

#### LS-24A-04

We offer quick Heating Hot Plates for various applications at Laboratories, Heating of samples during blending operations. The heating surface is made of Casting & fitted with electric based heating system. The remaining part of the body is made of thick Mild Steel finished with powder coating epoxy paint, maximum surface temperature 370°C

**Control:**

Three Heat Control Switch with Thermostat control to control the heat at high - low & medium.



RECTANGULAR SURFACE
---------------------

Order Code	Surface size in cm.	Rating KW.
LS-24-01	20 x 20 cms	0.75
LS-24-02	25 x 40 cms	1.2
LS-24-03	30 x 45 cms	2.0
LS-24-04	45 x 60 cms	2.0

Hot Plates of sizes, capacities and features other than mentioned above are available against specific requirement

In order to improve or rationalise the working of the equipment its specifications and design may be modified without notice.

## Vacuum Pumps LS-88-01/SP

Light weight, Vertical Model, Compact, Low noise vacuum pump for evacuation of vessels, leak detection & other laboratory applications. Specially designed for use in laboratories, dental labs, & research centres. Vertical, Single Stage Air-cooled unit, Vacuum oil sealed, Air cooled Motor, V- belt driven & mounted on base plate legs. Having simple & Trouble Free operation and fit for continuous operations. Smooth in running and economical in use.

Technical Specifications

Motor : ½ H.P.

Free Air Displacement : 150 Litres / min.

Air Cooled Cylinder with Deep Fins.



Cat No.	Free Air Displacement	Motor
LS-88-01/SP	150 Litres / min	½ H.P

Vacuum Pumps of sizes, capacities and features other than mentioned above are available against specific requirements

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## FURNACES MUFFLE FURNACES

For the first time a major breakthrough in furnace technology. Efficient, compact attractive & user friendly furnaces ideal for performing composite research, precious & exotic metals treatments & high temp. Ceramic research for research & laboratory purposes. Heating element is super high grade with advanced fibrous insulation. Exterior case & door

### SPECIFICATION

#### Construction :

Horizontal Rectangular Fabrication of Mild Steel Sheet. The inner chambers is made of insulating bricks covered with high grade Refractory cement. The Furnace comprising of Cromel / Alumel thermocouple, compensating cable, Digital temperature controller for temp, Control, indicating neon lamp and wire cord with plug.



DATA	MUFFLE FURNACES
Temp.Range	Upto 1200 °C
Heating Elements	Made of High Grade Durable wire
Fuse	Silver Fuse
Supply : 220/230V Volts 50 Hz AC single phase	
Special Features : Light weight for easy mobility	

## OPTIONAL ACCESSORIES

### BLIND TEMPERATURE CONTROLLER

The Blind Temperature is an automatic electronic device which controls the temperature with continuous on and off at preset temperature within accuracy of 2% FSD.

### SOLID STATE FUSE

Solid state electronic Fuse to prevent the melting of silver fuse exceeding 930°C temp. It permits the furnace to raise temp upto 1200°C and get cut off automatically.

### MICROPROCESSOR BASED P.I.D. PROGRAMMABLE CONTROLLER WITH 18 STEPS PROGRAM

ACCURACY + / - 2 DEGREE °C.

### FURNACE TONG : LS-SP-05

Furnace Tong is made of stainless steel 500 mm long with protection shield in front operated by trigger

#### SELECTION CHART MUFFLE FURNACES

Order Code	Size	Rating
LS 25 A 01	23 x 10 x 10 cm	1.6 KW
LS 25 A 02	25 x 13 x 13 cm	2.6 KW
LS 25 A 03	30 x 15 x 15 cm	3.3 KW
LS 25 A 04	45 x 23 x 23 cm	5.0 KW

Furnaces of sizes & capacities other than mentioned above upto temp. 1600 C can also be offered against specific requirements.

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## SOXHLET EXTRACTION HEATERS



SOXHLET EXTRACTION MANTLE TYPE LS 19

The Unit Consist of a compact rectangular box section of light metal alloy housing, the heating elements and built in controls. The Flexible & Elastic glass Fibre heating elements ensure close contact with the flask surface and even distribution of heat. In case of spillage the solvents will either evaporate or escape through the drain holes provided under each recess. High thermal insulation of Glass Wool packing around the heating element reduces the heat losses. Every flask recess is provided with a pilot lamp and a toggle switch option is offered to select a number of temperature controls. Operates on 220/230 V. A.C. Single Phase.

Order Code	Flask Cap in ml.	Nos. of Flask Receiver	Nos. of Regulator	Nos. of Switch	Total Watts
LS-19-02	100-350	3	1	3	375
LS-19-03	100-500	3	1	3	600
LS-19-06	100-350	3	3	-	375
LS-19-07	100-500	3	3	-	600
LS-19-10	100-350	6	1	6	750
LS-19-11	100-500	6	1	6	1200
LS-19-14	100-350	6	6	-	750
LS-19-15	100-500	6	6	-	1200
LS-19-18	100-350	4	1	4	500
LS-19-19	100-500	4	1	4	800
LS-19-22	100-350	4	4	-	500
LS-19-23	100-500	4	4	-	800

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## SOXHLET EXTRACTION HEATERS



### SOXHLET EXTRACTION (HOT PLATE TYPE) LS 20

This heater is to heat Soxhlet extraction Flasks. It consists of a mild steel housing painted with grey hammertone. Six Hot Plates of 4 ½ " Dia are mounted on top of the housing and can be operated by the individual (a) On - OFF Switch (b) Rotary Switch © Energy Regulators as per requirement. Mild steel housing has two aluminium rods, with two adjustable cross rods on which the glass apparatus can be clamped. Electrically operated on 220/230V AC. Maximum Power total rating 1500 Watts. The apparatus is supplied without Glass parts. This apparatus is available with mild steel plates.

Order Code	Flask Cap in ml.	Nos. of Flask Receiver	Nos. of Regulator	Nos. of Switch	Total Watts
LS-20-01	upto 500 ml	6	1	6	1500
LS-20-03	upto 500 ml	6	6	-	1500
LS-20A-01	upto 500 ml	4	1	4	1000
LS-20A-03	upto 500 ml	4	4	-	1000

#### ORDER CODE

LS-20-01 Soxhlet Extraction Heater with individual ON - OFF Switch

LS-20-02 Soxhlet Extraction Heater with individual Rotary Switch

LS-20-03 Soxhlet Extraction Heater with individual Energy Regulator

Also available Water Bath Types LS 20B

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## WATER BATHS



Constant Temperature Water Baths - Such as Precision. Water Baths, Viscometer Water baths, Shaker water Baths, etc. Are compact and efficient laboratory equipments for accurate and reliable close temp control in wide temp range. All these baths incorporate, Digital Display : Electronic Temp. Indicator-cum controller, with PT 100 sensor and 0.1°C resolution Double Wall construction, exterior of CRCA Steel sheets finished in powder coating epoxy paint. Chamber, Lid & Immersion heater all made in Stainless Steel.

LS-30E : Precision Constant Temperature Water Baths :

- \* The Motorised Stirrer ensures uniform temperature throughout the bath.
- \* S.S. Circulating Pump recirculates water at constant temperature through External close loop system.
- \* Baths are available with or without one glass window for interior viewing.
- \* Digital Display of Temp. Range: Ambient to 95°C,  
Control Accuracy : + 0.1°C.

Cat no.	Dimension : L x B x D	Rating
LS-30E-01	30 x 22.5 x 17.5 CM	1000 WATTS
LS-30E-02	33 x 25 x 20 CM	1500 WATTS
LS-30E-03	38 x 30 x 25 CM	2000 WATTS

OPTIONAL : Fuzzy Auto Tuned PID Programmable Controller with single set pair

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## WATER BATHS

LS-33AE : Precision Constant Temperature Water Baths with Pumps :

- \* The Motorised Stirrer ensures uniform temperature throughout the bath.
- \* S.S. Circulating Pump recirculates water at constant temperature through External close loop system.
- \* Baths are available with or without one glass window for interior viewing.
- \* Circulating Pump recirculates water at constant temperature
- \* Digital Display of Temp. Range: Ambient to 95°C,



Cat no.	Dimension : L x B x D	Rating
LS-33AE-01	33 x 25 x 20 CM	1500 WATTS
LS-33AE-02	38 x 30 x 25 CM	2000 WATTS
LS-33AE-03	45 x 35 x 30 CM	2500 WATTS

LS-495: Shaker Water Baths ( Metabolic Shaker),

- \* Drives is by geared motor having variable speed control upto 150 stroke/min. Temp. Range: Amb. + 5 to 95°C + 0.5°C. S.S. Chamber with Gabled Lid.

Optional Accessories:-

- \* Tray fully made of stainless steel with lotus clamps for different capacity of flask to load 25 ml. 50 ml. Or any other smaller size flask.



Cat no.	Tray Capacity	Bath Dimensions
LS-49S-01	9 Flask of 100 ml	28 x 30 x 16 cm
LS-49S-02	12 Flask of 100 ml	38 x 30 x 16 cm
LS-49S-03	15 Flask of 100 ml	48 x 30 x 16 cm

OPTIONAL : Fuzzy Auto Tuned PID Programmable Controller with single set pair

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## WATER BATHS

LS-26: Cylinder Water Bath  
 Single walled, made of S.S. seamless cylinder.  
 Mechanism consist of concentric rings.



Cat no.	Diameter x Height	Rating
LS-26-01	320 cm x 15 cm	1000 WATTS
LS-26-02	25 cm x 15 cm	1000 WATTS
LS-26-03	32.5 cm x 15 cm	1500 WATTS

LS-26A:  
 Cylinder Water Bath for R.B. Flasks.  
 Single walled, made of S.S. seamless cylinder.  
 Suitable for round bottom flasks.  
 To accomodate 2,5,10 & 20 Ltr Flask Capacity



Non - Thermostatic	Thermostatic	Flask Capacity	Rating
LS - 26A - 01	LS - 26B - 01	2 Litres.	1000 watts
LS - 26A - 02	LS - 26B - 02	5 Litres.	1500 watts
LS - 26A - 03	LS - 26B - 03	10 Litres.	2000 watts
LS - 26A - 04	LS - 26B - 04	20 Litres.	2000 watts

LS-26B:CylinderThermostatic Water Bath For R.B. Flasks  
 Double walled, inner made of S.S. seamless cylinder. Suitable  
 for R.B. Flask with water level arrangement, and thermostatic control.  
 Temperature Range: 5°C above ambient to 95°C, Accuracy: +2°C.

OPTIONAL : Fuzzy Auto Tuned PID Programmable Controller with single set pair

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## WATER BATHS



LS-27: Rectangular Water Bath  
 Single walled, made of S.S.  
 Mechanism consist of concentric rings. Available in 6 & 12 Holes.- 7.5 cm



LS-29: Rectangular Thermostatic Water Bath  
 Double walled, inner chambers of S.S. with concentric and thermostatic control. Available in 6 & 12 Holes, - 7.5 cm.  
 Temperature Range: 5°C above ambient to 95°C, Accuracy: + 2°C

Non - Thermostatic	Thermostatic	Inner size	No. of Holes	Rating
LS - 27 - 01	LS - 29 - 01	35 x 25 x 10 cm.	6	1000 watts
LS - 27 - 02	LS - 29 - 02	40 x 30 x 10 cm	12	1000 watts

LS-30A: Universal water bath  
 Double walled, inner chamber of S.S. With perforated false bottom and thermostatic control.  
 Temperature Range: 5°C above ambient to 85°C Accuracy: + 1°C.

Optional Accessoris:  
 Digital Temp controller

\*Pyramid lid.

\*Drop on lid.

a) With 4 Nos. 7.5cm. And 1 No. 12.5 cm.

Dia. Holes

b) With 8 Nos. 7.5 cm. And 2 Nos. 12.5cm. Dia. Holes

\*Kahn Rack for 48 tubes.



Cat no.	Inner Dimensions	Rating
LS-30A-01	30 x 22.5 x 17.5 cm	1000 watts
LS-30A-02	45 x 30 x 17.5 cm	1500 watts

LS-31: Serological water bath  
 Double walled, inner chamber of S.S. With perforated false bottom and thermostatic control. Or Electronic Controller..  
 Temperature Range: 5°C above ambient to 60°C Accuracy: + 0.5°C.

Optional Accessoreis:  
 Digital Temp controller

\*Pyramid lid.

\*Kahn Rack for 48 tubes.

Cat no.	Inner Dimensions	Rating
LS-31-01	25 x 15 x 12.5 cm	2 Kahn Rack
LS-31-02	35 x 20 x 12.5 cm	4 Kahn Rack
LS-31-03	45 x 20 x 12.5 cm	6 Kahn Rack

**OPTIONAL** : Fuzzy Auto Tuned PID Programmable Controller with single set pair

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## Special Purpose BATHS

### LS-52A: Cylinder Oil Baths

Double walled, inner made of S.S. Seamless cylinder, and with Energy Regulator.

Temperature Range: 50°C above ambient to 300°C, Accuracy: + 2°C

Available in 1,2,3,5& 10 Ltr. Flask Capacities.



Order Code	Flask Capacity	Rating
LS-52A-01	1 Litre.	600 watts
LS-52A-02	2 Litres.	800 watts
LS-52A-03	2 Litres.	1000 watts
LS-52A-04	2 Litres.	1500 watts
LS-52A-05	2 Litres.	1750 watts

### LS-68E: Precision Oil Bath:

\*The Motorised Stirrer Ensures uniform temperature throughout the bath.

\*S.S. Circulating Pump recirculates oil at constant: temperature through External close loop system. Inner Chamber & lid made of S.S.

\*Digital Display Temp Controller.

\*Baths are available with or without one glass window for interior viewing.

Control Accuracy : + 2°C Temperature Range : 50°C to 200°C,.



Cat no.	Rating	Bath Dimensions
LS-68E -01	1.5KW	30 x 22.5 x 17.5 cm.
LS-68E -02	2.0KW	33 x 25 x 20 cm.
LS-68E -03	2.5KW	38 x 30 x 25 cm.

**OPTIONAL** : Fuzzy Auto Tuned PID Programmable Controller with single set pair

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## Special Purpose BATHS

### LS-33: Paraffin Embedding Bath

Made of hard rolled S.S. Sheet polished smooth. Side drying chamber is provided at the bottom of the app. & cups supplied are copper or nickel plated polished, complete with lid & handle. Temperature is controlled is by thermostat, from room temperature to 65°C. Accuracy: + 1°C. The bath is of B.T.L. Type,



Cat no.	Capacity
LS-33-01	5 Cups with one large cup & tubes
LS-33-02	6 cups & tubes
LS-33-03	12 cups & 12 tubes

### LS-10: Tissue Floation Bath

Used for paraffin curing embedding for biological & Bacteriological work. An indispensable aid in every History laboratory. Inner chamber 20cm. Dia. & 9cm. Depth made of black anodised Aluminium & outside made of thick mild steel painted with glasswool insulation in between. Black anodized for protection against dust. Temperature Regulator between ambient + 5°C to 90°C by Thermocouple or Regulator with maximum input with 450 watts. Suitable for 230V AC.



Cat no.	Internal Dimension
LS-10-01	20 cm Dia x 9 cm Depth

### LS-12: Folin Wu Bath:

Fuly made of S.S. With removable rack for 12 Folin Wu tubes. Suitable for 230V AC.

Cat no.	Unit
LS-21-01	Electricity Heated
LS-21-02	Non - Electrical

**OPTIONAL** : Fuzzy Auto Tuned PID Programmable Controller with single set point

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## Special Purpose BATHS

### LS-32: Water Bath (For Dye Pots)

This water Bath is very suitable for heating Dye Pots by means of Electric Heating. It is rectangular in shape & supplied with capillary type thermostat. This bath is most suitable for Textile Mills, Dyeing Mills & for Research. Made of stainless steel, with 6/12 holes. Available with thermostatic control. Supplied without Dye Pots.



Cat no.	Capacity of Dye Pots	No. of Dye Pots
LS-32-01	250 ML	6
LS-32-02	250 ML	12
LS-32-03	500 ML	6
LS-32-04	500 ML	12



### SOXHLET WATER BATH TYPE Ls20

The Unit consist of a compact rectangular shape in double wall construction, inner chamber made of S.S. Outer box of CRCA Sheet housing the heating elements and built in controls. The heating portion consist of S.S tubular element. Control panel consist of thermostat, pilot lamp & Heating lamp, Operates on 220/230V.A.C. Single Phase.

LS-20B-02 With 4 holes of 4" dia with concentric rings

LS-20B-03 With 6 holes of 4" dia With concentric rings

**OPTIONAL** : Fuzzy Auto Tuned PID Programmable Controller with single set pair

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## Special Purpose BATHS

LS-Viscometer Bath,

Labstore Viscometric Baths are ideal for broad range viscosity tests suitable for ubbelohde, Cannon-Fenske or other suspended level type Viscometer tubes.

\*The Viewing Windows of special grade glass for interior viewing.

\*Heavy Duty Stirrer for uniform bath temperature.

\*Digital Display of temperature with control accuracy + 0.1°C.

Temp Range : Amb +5°C to 100°C & 50°C to 200°C

LS.04: Model with built-in refrigeration system.



Catno	Temp Range	Working Chamber	Rating	Viscometer
LS - SP/1	Amb+5 to 100° C	35 x 20 x 30	1 KW	4
LS - SP/2	Amb+5 to 100° C	35 x 20 x 30	1.5 KW	6
LS - SP/3	50 to 200°C	35 x 20 x 30	1.5 KW	4
LS - SP/4	50 to 200°C	35 x 20 x 30	2 KW	6
LS - 04	0 to 80 °C	35 x 20 x 30	1 KW	4

LS-12A: Laboratory Sand Bath

This is very compact unit for laboratory heating. Double walled construction inside made of S.S., Outside asbestos cement sheet fixed on mild steel angels. This unit is heated by oven heater arranged at the bottom of the S.S. Tray, which is controlled by energy regulations. Suitable operates on 220/230 V AC single Phase 50 c/s.



Cat no.	Internal Dim	Rating
LS-12A-01	30 x 20 x 8.75 cm.	1000 Watts
LS-12A-02	45 x 30 x 8.75 cm.	1750 Watts

**OPTIONAL** : Fuzzy Auto Tuned PID Programmable Controller with single set point

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