



# *Price List*

W. E. F. JUNE

# 2024

**Laboratory Metalware, Glassware  
& Research Instruments**



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**SAI SCIENTIFIC INSTRUMENTS**

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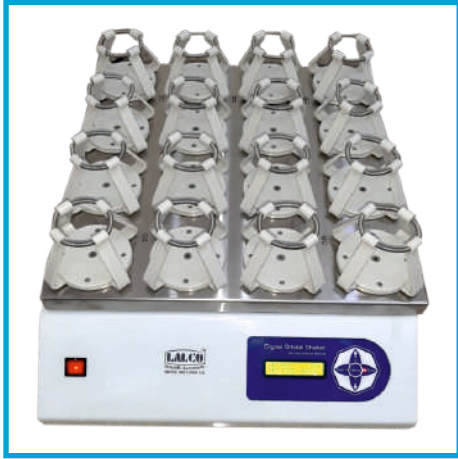
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## 101 RETORT STANDS 'LALCO'

**Retort Stands :** the base is made of cast iron adjusted for standing evenly on plain surface. The rods made tested for mounting perpendicularly to bases.



101

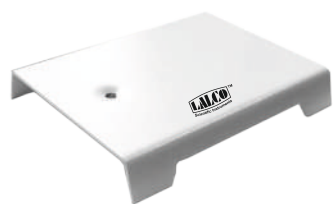
Cat. No.	Base Size	Rod P.C.	Powder Coating Rs. P.	Heavy Rs. P.
101/01	6"x4"	18x3/8"	370.00	
101/02	7"x5"	24x3/8"	460.00	
101/03	8"x5"	24x3/8"	490.00	638.00
101/04	8"x5"	24x12mm	530.00	660.00
101/05	9"x6"	30x12mm	880.00	
101/06	12"x7"	36x12mm	1480.00	



101/01/A

### 101/01/A RETORT STANDS MILD STEEL WITH LEVELING SCREW WITH NYLON UNBREAKABLE FEET, POWDER COATED 'LALCO' 3mm base thickness

Cat. No.	Base Size, Rod Size & Dia	Rod P.C.
101/01A	6"x4"x18"x3/8"	270.00
101/02A	7"x5"x24"x3/8"	320.00
101/03A	7"x5"x24"x12mm	345.00
101/04A	8"x5"x24"x3/8"	320.00
101/05A	8"x5"x24"x12mm	370.00
101/06A	9"x6"x30"x12mm	570.00



101/01/B

### 101/01/B BEND TYPE, MILD STEEL, POWDER COATED 'LALCO'

Cat. No.	Base Size, Rod Size & Dia	Rod P.C.
101/13B	6"x4"x18"x3/8"	248.00
101/07B	7"x5"x24"x3/8"	345.00
101/08B	8"x5"x24"x3/8"	384.00
101/09B	8"x5"x24"x12mm	400.00
101/10B	9"x6"x30"x12mm	600.00
101/11B	10"x6"x30"x12mm	710.00
101/12B	12"x7"x36"x12mm	840.00



102

## 102 RETORT RINGS 'LALCO'

<b>Powder Coated (Size)</b>	2"	2 1/2"	3"	4"
Price (ROUTINE)	110.00	114.00	124.00	136.00
<b>Powder Coated (Size)</b>	5"	6"	8"	
Price (ROUTINE)	174.00	198.00	248.00	

# LABORATORY METALWARE



## 103 LABORATORY CLAMPS 'LALCO'

Cat. No.	Product Name	M.S. P.C.	ALU P.C.	BRASS C.P.
103/01	Universal	97.00		
103/02	Burette		200.00	550.00
103/03	Burette Clamp Fisher Type Single	94.00		
103/04	Burette Clamp Fisher Type Double	200.00		
103/05	Cross Pattern		200.00	550.00
103/06	Three Prong		200.00	550.00
103/07	Universal		200.00	550.00
103/08	Condenser		200.00	550.00
103/09	Jumbo Three Prong (Heavy)		580.00	1980.00
103/10	Jumbo Four Prong (Heavy)		580.00	1980.00
103/13	Jumbo Condenser Clamp (Special)			1980.00
103/14	Co-Axial Clamp		580.00	1980.00
103/15	Double Key Clamp		580.00	1980.00

Rods are 9"7mm. If required 9"9mm add **Rs. 10.00** If 12"9mm add **Rs. 20.00** If Required Key Type Chutki Add **Rs. 30.00** (NET)



103/03-04



103/05



103/06



103/07



103/08



103/10



104/1-4



104/05



104/06



104/07



104/A

## 104 BOSS HEAD 'LALCO'

Cat. No.	Product Name	Price/Pcs.
104/01	<b>Boss Head</b> cast iron for use with retort clamp and black painted with strong screw to hold upto 25mm heavy (Jumbo)	410.00
104/02	<b>Boss Head</b> cast iron for use with retort clamp and black painted with strong screw to hold upto 20mm heavy	210.00
104/03	<b>Boss Head</b> cast iron for use with retort clamp and black painted with strong screw to hold upto 16mm heavy	185.00
104/04	<b>Boss Head</b> cast iron for use with retort clamp and black painted with strong screw to hold upto 12mm heavy	104.00
104/05	<b>Boss Head</b> made of brass molded chrome plated 12mm	285.00
104/05/1	<b>Boss Head</b> brass chrome plated 16mm	370.00
104/06	<b>Boss Head</b> aluminum, powder coated	70.00
104/07	<b>Boss Head</b> aluminum, p.c. square type	270.00

\*If you required Thumb Screw (M.S.) Add **Rs. 8.00** or (Brass C.P.) Add **Rs. 30.00** In (12mm, 16mm, aluminum boss heads) NET

## 104/A FILTER PUMP EDWARDS TYPE BRASS C.P. 'LALCO' 1200.00

## 105 TRIPOD STAND CAST IRON BASE POWDER COATED 'LALCO'



Cat. No.	Dia	Height	Price (C.I. Base) (Tringular, P.C.)	Price (C.I. Base) (Round, P.C.)
105/01	4"	6"	100.00	110.00
105/02	4"	7"	105.00	118.00
105/03	4"	8"	110.00	124.00
105/04	5"	6"	110.00	136.00
105/05	5"	7"	116.00	148.00
105/06	5"	8"	124.00	158.00

\*Other size on request

## 106 BUNSEN BURNER 'LALCO'



Cat. No.	Product Name	Price/Pcs.
106/01	Bunsen Burner without stop cock	260.00
106/02	Bunsen Burner with stop cock L.P.G.	348.00
106/03	Meaker Burner without stop cock 25mm	990.00
106/04	Meaker Burner with stop cock L.P.G. 25mm	1240.00
105/05	Meaker Burner small 18mm with stop cock	990.00
106/06	Meaker Burner small 18mm without stop cock	860.00
106/10	Bunsen Burner Electric	8180.00
106/12	Bunsen Burner Meaker type with heavy stop cock	990.00
106/13	Bunsen Burner Meaker type without stop cock	740.00
106/14	Bunsen Burner Meaker type with screw type stop cock	860.00
106/15	Bunsen Burner Meaker type without stop cock (all brass)	990.00

## 109 ANALYTICAL WEIGHT BOXES 'LALCO'

**Analytical Weight Boxes :** in polished wooden box with fractional weight and forceps and works certificate.



109



M-1



F-1

Cat. No.	Material	Capacity	Class	Price/Pcs.
109/06	Brass C.P.	1mg to 100gm	A	1980.00
109/07	Brass C.P.	1mg to 200gm	A	2600.00
109/09	Brass C.P.	1mg to 100gm	B	1700.00
109/10	Brass C.P.	1mg to 200gm	B	2280.00
109/12	Brass C.P.	1mg to 200gm	"A" with NABL Certified	9200.00
109/13	S.S.	1mg to 200gm	M-1	9000.00
109/14	S.S.	1mg to 200gm	M-1 NABL Certified	13000.00
109/15	S.S.	1mg to 200gm	F-1 NABL Certified	32000.00

**Note :** NABL certified from govt. undertaking NABL accredited lab. and class A is certified in our lab as per tolerance prescribed by NPL, delhi.



# LABORATORY METALWARE



## 110 PHYSICAL WEIGHT BOX 'LALCO'

**Physical Weight Boxes :** made of electroplated brass with forceps in polished wooden case.

<b>Cap. :</b>	1mg to 100gm	1mg to 200gm	
<b>Price :</b>	990.00	1300.00	
<b>Cap. :</b>	1mg to 500gm	1mg to 1000gm	1mg to 2000gm
<b>Price :</b>	5200.00	8600.00	14500.00



110

## 111 GAS TAP 'LALCO'

**GAS TAP :** brass chrome plated L.P.G. with routine nosel

<b>One Way</b>	<b>Two Way</b>	<b>Three Way</b>	<b>Four Way</b>
550.00	650.00	750.00	960.00



111

**Note :** if require 3" nosel cost extra of **Rs. 40.00** net & 4" **Rs. 50.00** net

## 112 CRUCIBLE TONG 'LALCO'

**Stainless :** steel fine polish

<b>Size :</b>	6"	8"	10"	12"	15"	18"	24"	30"	36"
<b>Price :</b>	86.00	96.00	185.00	228.00	300.00	445.00	800.00	850.00	1100.00



112

## 113 BEAKER / FLASK TONG 'LALCO'

<b>Size</b>	<b>Material</b>	<b>Price/Pcs.</b>
12"	Stainless Steel"	280.00



113

## 114 SPATULA SPOON TYPE 'LALCO'

**Spatula :** made of stainless steel sheet heavy one end spoon end one end flat.

<b>Size :</b>	4"	5"	6"	8"	10"	12"
<b>Price :</b>	22.00	23.00	30.00	40.00	76.00	86.00



114

## 115 SPATULA WIRE TYPE 'LALCO'

**Spatula wire type :** stainless steel heavy, one end spoon

<b>Size :</b>	6"	8"	10"	12"
<b>Price :</b>	38.00	42.00	66.00	82.00



115

## 116 FLEXIBLE SPATULA WITH POINT 'LALCO'

<b>Size :</b>	6"	8"	10"	12"
<b>Price :</b>	74.00	84.00	92.00	112.00



116



116/01

## 116/01 OINTMENT SPATULA S.S. WITH WOODEN HANDLE 'LALCO'

<b>Size:</b>	4"	6"	8"	10"	12"
<b>Price:</b>	94.00	106.00	126.00	166.00	190.00



116/03

## 116/03 CHATWAY SPATULA WITH CURVED ENDS S. STEEL 'LALCO'

<b>Size:</b>	6"	8"	10"	12"
<b>Price:</b>	52.00	64.00	74.00	90.00



118

## 118 SPIRIT LAMP 'LALCO'

Cat. No.	Material	Price/Pcs.
118/01	S. Steel	105.00
118/02	Brass	216.00
118/03	Aluminium	90.00



121/01 - 02

## 121 CORK BORERS 'LALCO'

Cat. No.	Product Name	Price/Pcs.
121/01	Cork Borer made from brass sheet set of 6	310.00
121/02	Cork Borer made from brass sheet set of 12	960.00
121/03	Cork Borer made from thick brass pipe with strong handle, German (Routine) pattern and packed in cardboard box. set of 6	900.00
121/03/H	Cork Borer made from thick brass pipe with strong handle, German (Routine) pattern and packed in cardboard box. set of 12	1440.00
121/04	Cork Borer made from thick brass pipe with strong handle, German (Hexagonal) pattern and packed in cardboard box. set of 6	1900.00
121/04/H	Cork Borer made from thick brass pipe with strong handle, German (Hexagonal) pattern and packed in cardboard box. set of 12	3800.00



LALCO



LALCO



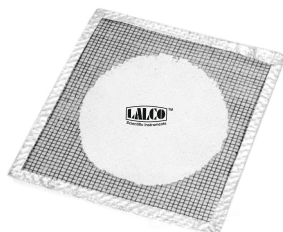
121/03 - 04



130

## 130 FORCEPS MADE OF STAINLESS STEEL (BLUNT/POINTED) 'LALCO'

<b>Size:</b>	4"	5"	6"	8"	10"	12"
<b>Price:</b>	32.00	40.00	56.00	76.00	96.00	130.00



134

## 134 WIRE GAUGE 'LALCO'

<b>Size:</b>	6"x6" without frame	6"x6" with frame
<b>Price:</b>	18.00	24.00



136

## 136 HOFFMAN SCREW CLIP BRASS C.P. 'LALCO'

<b>Size:</b>	12mm	18mm	25mm
<b>Price:</b>	136.00	140.00	160.00

# LABORATORY METALWARE



**175**

THREE PRONG CLAMP MADE OF ZINC DIE CASTED DOUBLE ADJUST ABLE WITH HEAVY THUMB SCREW 'LALCO'

**680.00**

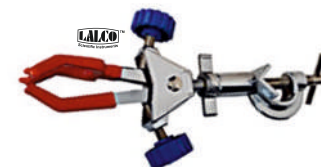


175

**178**

THREE PRONG DOUBLE ADJUSTABLE WITH ATTACHED BOSS HEAD ZINC DAI CASTING WITH STRONG THUMB SCREWS, NICKEL PLATING 'LALCO'

**760.00**



178

**180**

**NEW IMPROVED BURETTE CLAMP 'LALCO'**

With all aluminum casted mounts on rod of 1/4" to 1/2" in diameter, clamp has a smooth enamel finish with rubber finger grippers with mild steel screw chome plated.

Cat. No.	Type	Price
180/01	Double	700.00



180

**181**

**BURETTE CLAMPS 'LALCO'**

with all aluminum casted mounts on rod of 1/4" to 1/2" in diameter, clamp has a smooth enamel finish with rubber finger grippers

Cat. No.	Type	Price
180/01	Double	320.00



185

**185**

UNIVERSAL CLAMP DAI CASTING WITH BOSS HEAD 'LALCO'

**300.00**



187

**187**

PENDULUM CLAMP WITH BOSS HEAD 'LALCO'

**280.00**



190

**190**

THERMOMETER CLAMP WITH BOSS HEAD DAI CASTING 'LALCO'

**260.00**



192

**192**

BOSS HEAD IS MADE OF ZINC PRESSURE DAI CASTING 'LALCO'

Cat. No.	Coating	Price/Pcs.
192/01	Powder	130.00



193

**193**

BOSS HEAD ZINC DAI CASTING WITH 360 DEGREE ROTATABLE WITH STRONG SCREWS, BOSS HEAD POWDER COSTED 'LALCO'

**260.00**

**195**

RETORT STAND MILD STEEL SHEET, DAI MADE THICKNESS 5MM WITH CHOME PLATE ROD, BASE BLUE POWDER COATING 'LALCO'

Cat. No.	Base Size	Rod Size	Price/Pcs.
195/01	6x4"	20"x12mm	720.00
195/02	8x5"	24"x12mm	960.00
195/03	10x6"	30"x12mm	1400.00



195

**196**

BUNSEN BURNER ZINC DIE CASTING WITH BRASS PIPE, W/O STOPCOCK 'LALCO'

**660.00**



196



221 - 222

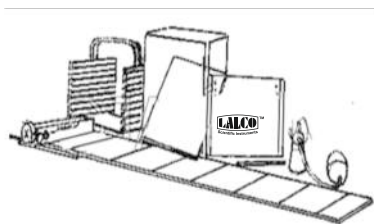
## LABORATORY INSTRUMENTS

**220** U.V. CABINET FITTED WITH LONG WARE UV LIGHT 365NM VISIBLE LIGHT TUBE 15X12X10" 'LALCO' **8600.00**

**221** U.V. CABINET FITTED WITH LONG WARE UV LIGHT 254NM VISIBLE LIGHT TUBE 15X12X10" 'LALCO' **8600.00**

**222** U.V. CABINET FITTED WITH LONG WARE UV LIGHT 365NM SHORT WAVE UV LIGHT 254NM & VISIBLE LIGHT TUBE 15X12X10" 'LALCO' **9200.00**

**OPTIONAL : \*SPARE U.V. TUBE : SHORT/LONG/VISIBLE (SET) 'LALCO' 3600.00**



225 - 226

**225** THIN LAYER CHROMATOGRAPHY KIT : 'LALCO' **15500.00**

1.) Spreader (applicator) made of electroplated brass. 2.) Perspex base of 114x23cm to support glass plates. 3.) Plate rack made of aluminium, anodized for 20x20cm plates. 4.) Spotting template made of perspex. 5.) TLC plates 6.) Glass sprayer with rubber bellow. 7.) Micropipette. 8.) Scriber for marking lines made of stainless steel. 9.) Instruction manual **(without jar)**



228

**226** THIN LAYER CHROMATOGRAPHY KIT : 'LALCO' **14200.00**

1.) Spreader (applicator) made of Alluminium. 2.) Perspex base of 114x23cm to support glass plates. 3.) Plate rack made of aluminium, anodized for 20x20cm plates. 4.) Spotting template made of perspex. 5.) TLC plates 6.) Glass sprayer with rubber bellow. 7.) Micropipette. 8.) Scriber for marking lines made of stainless steel. 9.) Instruction manual **(without jar)**



229

**228** CENTRIFUGE MACHINE 'LALCO'

Cat. No.	Type	Tubes	Price/Pcs.
228/01	Doctor Model	6/8 tubes	<b>4200.00</b>

**229** CENTRIFUGE MACHINE 4 TUBES HAND DRIVEN 'LALCO' **2200.00**

**230** CENTRIFUGE MACHINE HANDI TYPE 'LALCO'

Cat. No.	Type	Tubes	Price/Pcs.
230/01	Handi Type	4 tubes	<b>4900.00</b>
230/02	Handi Type	6 tubes	<b>5200.00</b>
230/03	Handi Type	8 tubes	<b>5400.00</b>



230

**231** CENTRIFUGE MACHINE SQUARE (RESERCH MODEL) 'LALCO'

Cat. No.	Type	Tubes	Price/Pcs.
231/01	Square	4 tubes	<b>14000.00</b>
231/02	Square	8 tubes	<b>17800.00</b>
231/03	Square	12 tubes	<b>18700.00</b>



231



# LABORATORY INSTRUMENTS



## 232 CENTRIFUGE MACHINE DIGITAL (RESERCH MODEL) 'LALCO'

Square model (research model) with **DIGITAL RPM & TIMER** of 1 to 99 min. with steepless speed control, illuminated switch, the motor shut off when the cover is opened with instant break switch. the centrifuge is supplied with swing out tubes.

Cat. No.	Type	Tubes	Price/Pcs.
232/01	Digital Square	8x15ml Tubes	<b>36000.00</b>
232/02	Digital Square	12x15ml Tubes	<b>36000.00</b>
232/03	Digital Square	4x50ml Tubes	<b>38400.00</b>



232

## 1031 LABORATORY CENTRIFUGE BRUSHLESS PREMIUM MODEL, MAX. SPEED 6000 R.P.M. 'LALCO' **148000.00**

High capacity with brushless induction motor. Square M S body duly powder coated. Hydraulic lid. Microprocessor based 1-99 minutes countdown timer, digital rpm meter and preset programmable speed regulator. Also featured with dynamic brake, lid lock, imbalance detector 10 programmer memory.

**But Price without rotor head. Rotor can be selected at extra cost as under**

Cat. No.	Description	Price/Pc
1031/A	Swing Rotor 32x15ml. Max. Speed on this head 5000 rpm	<b>18800.00</b>
1031/B	Angle Rotor 36x15ml. Max. Speed on this head 6000 rpm	<b>18800.00</b>
1031/C	Swing Rotor 48x7ml. Max. Speed on this head 5000 rpm	<b>18800.00</b>
1031/D	Swing Rotor, 32 vacutainers Max. Spe ed on this head 6000 rpm	<b>18800.00</b>

## 1032 MICRO CENTRIFUGE BRUSHLESS (WITHOUT CARBONS) 20000 R.P.M. 'LALCO' **102000.00**

Microprocessor Based with maintenance free brushless induction motor. Modular design as per International standards, stainless steel protection bowl. Fitted with Microprocessor based LCD panel for 1-99 minutes countdown timer, digital rpm-rcf meter and programmable speed controller from 2000-20000 rpm. with interval of 100rpm. Also featured with dynamic brake, Electronic lid lock, imbalance detector, 10 program memory, 3 accelerations and 3 decelerations.

**Prices are without Rotor Head. Rotor Head can be selected from below mentioned types as per customers requirement at extra cost.**

Cat. No.	Description	Price/Pc
1032/A	Angle Rotor 12 x 1.5/2ml. with adopters for 0.5/0.2ml. (Max. Speed 20000 rpm)	<b>12900.00</b>
1032/B	Angle Rotor 24 x 1.5/2ml. with adopters for 0.5/0.2ml. (Max Speed 16000 rpm)	<b>16500.00</b>
1032/C	Angle Rotor 8 x 5ml. (Max. Speed 16000 rpm)	<b>12900.00</b>
1032/D	Angle Rotor suitable for PCR strip tubes - capacity 4 strips of 8 x 0.2ml Max. Speed 13000rpm.	<b>16500.00</b>

## 1033 REFRIGERATED MICRO CENTRIFUGE MACHINE 16000 R.P.M. 'LALCO' **234000.00**

Bench top fitted with universal motor with carbon brushes. Digital, microprocessor based. Maximum speed 16000 rpm. when we fix 12 x 2ml Angle Rotor Head. It is fitted with microprocessor based 2 lines 16 characters LCD pannel for 1 minute to 99 minutes countdown timer, digital rpm-rcf meter and programmable speed controller Stand by temperature from -20°C to +40°C. Temperature is controlled by microprocessor based digital temperature controller cum indicator. **Capacity 12 micro tubes of 2ml/1.5ml also supplied with adopters for 0.2/0.5ml micro tubes. Prices are complete with Rotor Head.**

## 1034 REFRIGERATED UNIVERSAL CENTRIFUGE BRUSHLESS, 20000 R.P.M. 'LALCO' 366000.00

Bench top fitted with maintenance free brushless motor without carbon brushes. Digital, premium brushless model microprocessor based. Max. Speed 20000 rpm. when we fix 12 x 2ml angle rotor head. Further speed depends upon rotor being used. Fitted with microprocessor based 4 lines 20 characters each LCD Panel for 1 minute to 99 minutes countdown timer, digital rpm-rcf meter and programmable speed controller. Stand by temperature from -20°C to +40°C is controlled by microprocessor based digital temperature controller cum indicator.

**Prices are without Rotor Head. Rotor head can be selected from below mentioned types as per customers requirement at extra cost.**

Cat. No.	Description	Price/Pc
1034/A	Angle Rotor 12x1.5/2.2ml. with adapters 0.5/0.2ml. Max. speed 20000 r.p.m.	12900.00
1034/B	Angle Rotor 24x1.5/2.2ml, Max. Speed 16000 r.p.m.	16500.00
1034/C	Angle Rotor 8x15ml, Max. Speed 13000 r.p.m.	21000.00
1034/D	Angle Rotor 6x50ml, Max. Speed 13000 r.p.m.	21000.00
1034/E	Angle Rotor 4x100ml, Max. Speed 13000 r.p.m.	21000.00
1034/F	Angle Rotor Suitable for PCR strip tubes - Capacity 4 Strips of 8 x 0.2ml. Max. Speed 13000 r.p.m.	16500.00

## 233 VACUUM PUMP OIL FREE 'LALCO'

Portable Diaphragm type cum air compressor



233

Cat. No.	Max/flow Ltr./Min.	Max Vacuum (in Hg.)	Max. Press (PSIG)	Motor	Price/Pcs. H.P.
233/01	15	22"	25	1/16	12800.00
233/02	25	27"	25	1/8	17700.00
233/03	45	22"	35	1/6	22000.00
233/04	75	27"	55	1/4	26400.00



234

## 234 VACUUM PUMP OIL SEALED PORTABLE 'LALCO'

42 Ltrs/Min Max Vacuum 5 Pa. 1/5 H.P. Ultimate Vacuum : 150micron 12600.00

## 235 VACUUM PUMP OIL SEALED SINGLE STAGE HEAVY 'LALCO'



235

Cat. No.	Max/flow Ltr./Min.	Motor H.P.	Price/Pc. Rs./Pc.
235/01	32	¼	31000.00
235/02	50	¼	33400.00
235/03	75	¼	40900.00
235/04	100	½	49500.00

# LABORATORY INSTRUMENTS



## 236 VACUUM PUMP OIL SEALED DOUBLE STAGE HEAVY 'LALCO'

Cat. No.	Max/flow Ltr/Min.	Motor H.P.	Price/Pc. Rs./Pc.
236/01	32	¼	40900.00
236/02	50	¼	44600.00
236/03	75	½	53000.00
236/04	100	½	58900.00
<b>Optional :</b> 1. Vacuum Gauge With Regulator			3100.00
2. Vacuum Gauge with regulator and non-return valve combined			6800.00
3. Moisture trap with non-return valve and vacuum gauge with regulator combined			8600.00



236

## L1092 DIGITAL OVER HEAD STIRRER (CAPACITY 20 LITRES) 'LALCO' 60000.00

**Digital Over Head Stirrer (CAPACITY 20 LITRES)** DC permanent magnet motor, low noise, maintenance-free, stable operation, Display – LCD, Speed Range- 100-2000 RPM, Speed Control Accuracy - ±5% RPM, Max Stirring Volume – 20 Liters, Timing range - 1-99h 59 min, Stirring Max Viscosity mPas – 10000, Motor type- DC Permanent Magnet Motor, Voltage- AC100-240, Power – 72W.



L1092

## L1093 DIGITAL OVER HEAD STIRRER (CAPACITY 40 LITRES) 'LALCO' 75000.00

**Digital Over Head Stirrer (CAPACITY 40 LITRES)** DC permanent magnet motor, low noise, maintenance-free, stable operation, Display – LCD, Speed Range- 100-2000 RPM, Speed Control Accuracy - ±5% RPM, Max Stirring Volume – 40 Liters, Timing range - 1-99h 59 min, Stirring Max Viscosity mPas – 20000, Motor type- DC Permanent Magnet Motor, Voltage- AC100-240, Power – 120W.



L1093

## L1094 DIGITAL OVER HEAD STIRRER (CAPACITY 60 LITRES) 'LALCO' 90000.00

**Digital Over Head Stirrer (CAPACITY 60 LITRES)** DC permanent magnet motor, low noise, maintenance-free, stable operation, Display – LCD, Speed Range- 100-2000 RPM, Speed Control Accuracy - ±5% RPM, Max Stirring Volume – 60 Liters, Timing range - 1-99h 59 min, Stirring Max Viscosity mPas – 30000, Motor type- DC Permanent Magnet Motor, Voltage- AC100-240, Power – 200W.



L1094



239

## 239 LABORATORY STIRRER 'LALCO' 10900.00

With noise less universal motor, maximum speed 4000rpm with electronic variable speed regular 200 to 400 rpm. the stirrer shaft is of stainless steel with 3 bladed propeller having 37mm. sweep, shaft & stirrer coupled by means of simple bus coupling with grub screw. stirrer is mounted on adjustable heavy stand, with **D.C. Motor**



240

## 239/A LABORATORY STIRRER (SAME AS CAT. NO. 239) BUT WITH DIGITAL CONTROLLER 'LALCO' 19300.00

## 240 MAGNETIC STIRRER WITH VARIABLE SPEED CONTROLLER 'LALCO'

Cat. No.	Cap.	Heater	Price/Pcs.
240/01	2Ltrs.	With Hot Plate	4800.00
240/02	5Ltrs.	With Hot Plate	8400.00
240/03	2Ltrs.	Without Hot Plate	4300.00
240/04	5Ltrs.	Without Hot Plate	7800.00



L1083

## L1083 MAGNETIC STIRRER - MOTERLESS 1-POSITION 'LALCO' 22500.00

**Magnetic Stirrer - Motorless** The most advance magnetic coil technology , Max stirring quantity(H O) of 800 ml, Stirring Position-1, Speed range of 15 to 1500 rpm, Slim design with unique flat surface, Water spill resistant design – IP 65, Display Digital LED, Working Plate Material SS Plate, Pulse Mode 30 second auto reverse direction, Timer : 99 Minuets' and Infinite Mode 99 Minuets and Infinite Mode, Last run Memory Save facility, Voltage 100-240 VAC.



L1084

## L1084 MAGNETIC STIRRER - MOTERLESS 2-POSITION 'LALCO' 28500.00

**Magnetic Stirrer - Motorless** The most advance magnetic coil technology , Max stirring quantity(H O) of 800 ml, Stirring Position-2, Speed range of 15 to 1500 rpm, Slim design with unique flat surface, Water spill resistant design – IP 65, Display Digital LED, Working Plate Material SS Plate, Pulse Mode 30 second auto reverse direction, Timer : 99 Minuets' and Infinite Mode 99 Minuets and Infinite Mode, Last run Memory Save facility, Voltage 100-240 VAC.



L1085

## L1085 MAGNETIC STIRRER BACKLIT LCD 'LALCO' 18000.00

**Magnetic Stirrer Backlit LCD** display set and current values, clear and intuitive, DC brushless motor, stepless speed adjustable encoder, low noise, maintenance-free, smooth operation, Working Plate Material - Tempered Glass, Max Stirring Volume - 3 Liters, Speed Range - 200-1600 rpm



# LABORATORY INSTRUMENTS



## L1086 DIGITAL MAGNETIC STIRRER BACKLIT LCD WITH TIMER 'LALCO' 24000.00

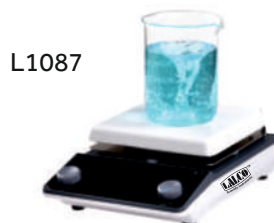
**Multi Position Magnetic Stirrer (3 STIRRING POINTS)** High synchronization rate, speed error of each point<10rpm, LCD display, Motor Type- DC Brushless Motor, Power 45W, Timing Range -1-999min, Maximum Stirring Volume -1000ml, Speed Range- 100-1500 RPM, Speed Control Accuracy -  $\pm 10$ , Working Plate Size - 190x390mm.



L1086

## L1087 MAGNETIC STIRRER WITH HOT PLATE 'LALCO' 42000.00

**Magnetic Stirrer With Hot Plate** DC brushless motor, stepless speed adjustable encoder, low noise, maintenancefree, smooth operation, Working Plate Material - aluminum + Ceramic spraying, Max Stirring Volume -3 Liters, Ceramic Top Plate Temperature Control Range up to 300°C, Speed Range - 200-1600rpm, Power -450W.



L1087

## L1088 DIGITAL MAGNETIC STIRRER WITH HOT PLATE 'LALCO' 60000.00

**Digital Magnetic Stirrer With Hot Plate** Backlit LCD display set and current values, clear and intuitive, DC brushless motor, stepless speed adjustable encoder, low noise, maintenance-free, smooth operation, Working Plate Material - aluminum + Ceramic spraying, Max Stirring Volume -3 Liters, Temperature Control Range RT-300°C, Speed Range - 200-1600rpm, Timer -1-99h59min, Power -450W.



L1088

## L1089 MULTI POSITION MAGNETIC STIRRER (3 STIRRING POINTS) 'LALCO' 42000.00

**Multi Position Magnetic Stirrer (3 STIRRING POINTS)** High synchronization rate, speed error of each point<10rpm, LCD display, Motor Type- DC Brushless Motor, Power 45W, Timing Range -1-999min, Maximum Stirring Volume -1000ml, Speed Range- 100-1500 RPM, Speed Control Accuracy -  $\pm 10$ , Working Plate Size - 190x390mm.



L1089

## L1090 MULTI POSITION MAGNETIC STIRRER (6 STIRRING POINTS) 'LALCO' 57000.00

**Multi Position Magnetic Stirrer (6 STIRRING POINTS)** High synchronization rate, speed error of each point<10rpm, LCD display, Motor Type- DC Brushless Motor, Power 90W, Timing Range -1-999min, Maximum Stirring Volume -1000ml, Speed Range- 100-1500 RPM, Speed Control Accuracy -  $\pm 10$ , Working Plate Size - 260x390mm.



L1090

## L1091 MULTI POSITION MAGNETIC STIRRER (9 STIRRING POINTS) 'LALCO' 72000.00

**Multi Position Magnetic Stirrer (9 STIRRING POINTS)** High synchronization rate, speed error of each point<10rpm, LCD display, Motor Type- DC Brushless Motor, Power 90W, Timing Range -1-999min, Maximum Stirring Volume -1000ml, Speed Range- 100-1500 RPM, Speed Control Accuracy -  $\pm 10$ , Working Plate Size - 260x390mm.



L1091



242

## 242 MELTING POINT APPARATUS 'LALCO' 4800.00

**Melting Point Apparatus** : with temperature control. this unit is very useful in the determination of the melting point of any substance in small quantity upto 300d c. the apparatus is suitable for 230v ac mains.



243

## 243 DIGITAL MELTING POINT APPARATUS 'LALCO' 48000.00

**Digital Melting Point Apparatus** : is a compact instrument for accurate determination of melting points of solid samples. the unit consist of a builtin magnetic stirrer, an electronic control for adjusting the rate of heating of silicon bath, an on/off switch, a pilot lamp, magnifier, glass free illuminated background, a high/low range selector switch a digital temperature indicator with pt-100 sensor. the silicon oil bath consists of plain cylindrical container of corning glass heaving cap. about 200ml. the range of the app. is from 2d c above room temp, upto 300d c with readability 1d c. the app. is supplied with 175ml. silicon oil for use upto 300d c and a box of capillaries. it can also be used for determination of boiling points, flow points & molecular weight by rast's method with special tubes, not supplied with the inst.

## \*SPARE : GLASS VASSAL FOR ABOVE 'LALCO' 3000.00

## \*SPARE : MELTING POINT TUBE 'LALCO' 160.00



244

## 244 VACUUM FILTER HOLDER S.S. 47MM 'LALCO' 9000.00

**Stainless Steel Vacuum Filter Holder 47mm** : stainless steel lid, funnel base, clamp and teflon coated filter support screen, silicon, teflon sealing ting in lid. filter diameter 47mm. filtration area 12.4cm, funnel cap 250ml. max operating pressure for vacuum only. sterilization autoclaving at upto 130d c or dry heat at 180d c, without mounted membrane filter but with filter flask

## 246 FILTER FUNNEL (STERILITY TEST OF 3/6) 'LALCO'

**Filter Funnel** : manifold for sterility test: this mechanism is to accept up to three 47mm, dia filter funnels. this mechanism can be connected in series to the same vacuum source to expand capacity if required. large support base provides excellent stability each of the three vacuum outlets has leak-proof, two-way stopcock & a vent to accepts filter funnel through silicon rubber cork



246

Cat. No.	Size	Material	Price/Pcs.
246/01	Set of 3	S.S. 316	50000.00
246/02	Set of 6	S.S. 316	75000.00

# LABORATORY INSTRUMENTS



## 250 LABORATORY JACK 'LALCO'

**Laboratory Jack** : suitable for supporting glassware or bath. the height of top jack support accurately adjustable by easy rotation of the knob. jacks are powder coated with an epoxy/polyster hybrid color.

Cat. No.	Size	Material	Price/Pcs.
250/01	15x15cm	Mild Steel	2520.00
250/02	15x15cm	Stainless Steel	5300.00
250/03	20x20cm	Mild Steel	2880.00
250/04	20x20cm	Stainless Steel	7900.00
250/05	25x25cm	Mild Steel	5280.00
250/06	30x30cm	Mild Steel	7900.00
250/07	25x25cm	Stainless Steel	13900.00
250/08	30x30cm	Stainless Steel	16500.00



250 M.S.



250 S.S.

## 253 WATER BATH PRECISION (CONSTANT TEMP. WATER BATH) 'LALCO'

**Water bath precision (Constant temp, water bath)** : water bath provides consistent temp, controller over the range ambient to 110°C. the outer chamber made of m.s. powder coated and inner chamber stainless steel provided **with glass window** for an easy inside view and a powerfull stirring system for good temp, uniformity on the bath. the ISI mark heaters are controlled the temp, work on 220/230 volt A.C.

Cat. No.	Size	Price/Pcs.
253/01	17"x10"x9"	30000.00
253/02	18"x15"x15"	37000.00
253/03	24"x18"x18"	50400.00
<b>Optional</b> : PID temp. controller		8200.00



253

## 254 OIL BATH HIGH TEMP. 'LALCO'

**High Temp, Oil Bath :** temp, range from 50°C to 300°C and it is thermostatically control with an accuracy of  $\pm 2^\circ\text{C}$ . double walled with cover, Inner & Outer Complete Stainless Steel to work on 220/230 volt A.C.



254

Size	1 / 2 Ltrs.	3 Ltrs.	5 Ltrs.	10 Ltrs.	20 Ltrs.
<b>Complete S.S.</b>	<b>19800.00</b>	<b>22600.00</b>	<b>27700.00</b>	<b>35600.00</b>	<b>40000.00</b>
<b>Optional :-</b> Digital temp. indicator cum controller					<b>8200.00</b>



255

## 255 WATER BATH DOUBLE WALL ELECTRICALLY 'LALCO'

**Water Bath Electrically :** heated thermostatically controlled with regulator to facilitate temperature control within  $\pm 2^\circ\text{C}$ . it is double walled, outside mild steel powder coated fitted with 2" glass wool insulation. the stainless steel cover has holes of 3" diameter with concentric rings and is fitted with immersion heater (ISI marked) of rating 1000watts. works on 220/230v AC

Cat. No.	Size	Inside Chamber	No. of Holes	Price/Pcs. Outer M.S.	Price/Pcs. Complete S.S.
255/01	12"x10"x4"	Stainless Steel	6 Holes 75mm	<b>7900.00</b>	<b>10300.00</b>
255/02	14"x16"x4"	Stainless Steel	12 Holes 75mm	<b>10200.00</b>	<b>12100.00</b>
<b>Optional :</b> Digital temp. indicator cum controller					<b>8200.00</b>
Spare thermostat					<b>2000.00</b>
Heater ISI marked					<b>1600.00</b>



256

## 256 SHAKING WATER BATH 'LALCO'

**Shaking Water Bath :** the inner chamber made of stainless steel and outer made of m.s. powder coated. the isi mark heaters are controlled from ambient to 100°C capillary type thermostat. this bath has a shaking trolley, which can be controlled to 40 to 140 strocks/min. the shaking tray either hold test tubes or flasks of 250ml. or 50ml. or 100ml. capacity as required.

Cat. No.	Size	Price/Pcs.
256/01	275x275x75mm	<b>69000.00</b>
256/02	275x275x150mm	<b>75900.00</b>
<b>Shaking tray size according to require (Tray Price are Extra)</b>		
256/03	16 nos.x25ml.	<b>4200.00</b>
256/04	12 nos.x50ml.	<b>4200.00</b>
256/05	9 nos.x100ml.	<b>4200.00</b>
256/06	5 nos.x250ml.	<b>4200.00</b>
256/07	4 nos.x500ml.	<b>4200.00</b>
256/08	2 nos.x1000ml.	<b>4200.00</b>
256/09	25 nos.x25mm Test Tube	<b>4200.00</b>
<b>Optional :</b> 1. Digital PID controller		<b>8200.00</b>
2. Digital RPM meter		<b>8200.00</b>



# LABORATORY INSTRUMENTS



## 258 WATER BATH ROUND 'LALCO'

**Water Bath Round :** thermostatic with indicator and inside S.S.

Size	1 / 2 Ltrs.	3 Ltrs.	5 Ltrs.	10 Ltrs.
<b>Outer M.S. Inner S.S.</b>	<b>18200.00</b>	<b>21600.00</b>	<b>25600.00</b>	<b>34000.00</b>
<b>Complete S.S.</b>	<b>18900.00</b>	<b>22600.00</b>	<b>26600.00</b>	<b>35600.00</b>
<b>Optional :-</b> Digital temp. indicator cum controller				<b>8200.00</b>



258

## 259 SEROLOGICAL WATER BATH ELECTRICALLY 'LALCO'

**Serological Water Bath Electrically :** heated double walled, inside made of brass or stainless steel outside mild steel with insulation glass wool between two walls. finisher in attractive powder coating. temperature 37d c to 60d c with an accuracy of  $\pm 2d$  c. temperature controlled by capillary type thermostat supplied with false perforated platform to protect thermostat and heater. working on 230volts A.C. single phase 50 cycle mains.

Cat. No.	Approx Cap.	Racks	Size	Outer M.S. Inner S.S.	Price/Pcs. Complete S.S.
259/01	14 Ltrs.	2 Racks	12"x10"x7"	<b>12200.00</b>	<b>16500.00</b>
259/02	18 Ltrs.	4 Racks	14"x12"x7"	<b>15500.00</b>	<b>20900.00</b>
259/03	25 Ltrs.	6 Racks	18"x12"x7"	<b>17900.00</b>	<b>24300.00</b>
259/05	32 Ltrs.	8 Racks	24"x12"x7"	<b>22500.00</b>	<b>32500.00</b>
<b>Optional :</b> Digital temp. indicator cum controller				<b>8200.00</b>	



259

## 260 ULTRA SONIC CLEANER (SONICATOR) 'LALCO'

**Ultra Sonic Cleaner (Sonicator) :** sound which human being cannot hear ultra sound utilizes frequencies from and above 40khz for effective cleaning with low noise. stainless steel outer & inner tank, digital timer & heater, deep drawn tank, basket & lid, drain valve upto 6 ltrs.

### Technical Parameter

1. Voltage : AC 200V, 50Hz/60Hz
2. Ultrasonic Frequency : 40Khz
3. Working Hours : 8

Cat. No.	Tank Dimension L x W x H (mm)	Size	Watt.	Price/Pcs.
260/01	150 x 137 x 110	1.8 Ltrs.	50 W	<b>24000.00</b>
260/02	235 x 135 x 150	4 Ltrs.	100 W	<b>38500.00</b>
260/03	300 x 240 x 100	6 Ltrs.	150 W	<b>54000.00</b>
260/04	300 x 240 x 150	9 Ltrs.	200 W	<b>66000.00</b>
260/05	325 x 300 x 150	12 Ltrs.	200 W	<b>78500.00</b>
260/06	325 x 300 x 200	16 Ltrs.	300 W	<b>90700.00</b>
260/07	500 x 300 x 150	20 Ltrs.	300 W	<b>112000.00</b>
260/08	500 x 300 x 200	25 Ltrs.	600 W	<b>130000.00</b>



260

## 262 HEATING MANTLES 'LALCO'

**Heating Mantles :** housing made of aluminum/M.S. powder coated. mantle knitted form fiber glass yarn with glass wool insulation to prevent heat loss. with temperature control arrangement by energy regulator.



262

Cat. No.	Capacity	Watts	Circuits	Price/Pcs.
262/02	100 ml.	100	1	1900.00
262/03	250 ml.	150	1	1990.00
262/04	500 ml.	200	1	2100.00
262/05	1000 ml.	300	1	2480.00
262/06	2000 ml.	450	1	3160.00
262/07	3000 ml.	450	1	3420.00
262/08	5000 ml.	600	1	4050.00
262/09	10000 ml.	2 x 600	2	6200.00
262/10	20000 ml.	3 x 600	3	13600.00
<b>Spares :</b> Energy regulator				430.00
Indicator light				60.00
Three core wire with plug				280.00
Digital PID Controller				8200.00



263

## 263 SPARE MANTLE 'LALCO'

**Spare Mantle :** with coil knitted from fiber glass yarn and easy to fit & replace in heating mantles.



265

Cat. No.	Capacity	Watts	Price/Pcs.
263/02	100 ml.	100	570.00
263/03	250 ml.	150	600.00
263/04	500 ml.	200	660.00
263/05	1000 ml.	300	720.00
263/06	2000 ml.	450	790.00
263/07	3000 ml.	450	925.00
263/08	5000 ml.	600	1128.00
263/09	10000 ml.	2 x 600	2300.00
263/10	20000 ml.	3 x 600	4380.00



## 265 SOXHLET EXTRACTION HEATING (WITHOUT GLASS PARTS) 'LALCO'

Cat. No.	Type	Capacity ml.	Price/Pcs. Set of 3	Price/Pcs. Set of 6
265/01	Mantle	250	7900.00	11900.00
265/02	Mantle	500	8900.00	13000.00
265/03	Mantle	1000	11000.00	16800.00

**Glassware :** Please refer glassware catalogue no. GW235

# LABORATORY INSTRUMENTS



## 266 KJELDAHL DIGESTION UNIT 'LALCO'

**Kjeldahl Digestion Unit** : supplied complet with heating shelf & fume duct. the heaters have individual switches with an energy regulator to control the heaters & each draws approx 500 watts. it can accomodate flask of capacity 500 & 800 ml. holes are provided of 4" dia, fume duct is 6" apart to accomodate necks of flask and it is provided with tube at one end to drain condenser acid. a pair of hanger and supports are supplied with each duct but without glass parts.

Cat. No.	Unit of	Regulator	Price/Pcs.
266/02	3 Test	3	13600.00
266/04	6 Test	6	21800.00

**Glassware** : Please refer glassware catalogue no. GW83 or GW84



266

## 267 KJELDAHL DISTILLATION UNIT 'LALCO'

**Kjeldahl Distillation Unit** : electrically operated distillation stand made of m.s. powder coated and 3 or 6 kjeldhal test heaters & condensers manifold fitted on stand but without glass part.

Cat. No.	Unit of	Regulator	Price/Pcs.
267/02	3 Test	3	16700.00
267/04	6 Test	6	24000.00

**Glassware** : Please refer glassware catalogue no. GW147



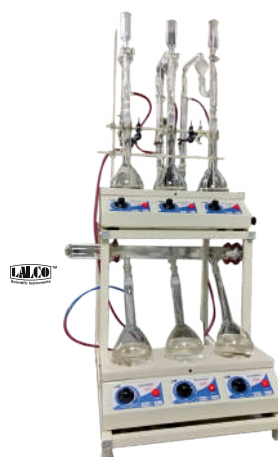
267

## 268 KJELDAHL DIGESTION & DISTILLATION UNIT COMBINED 'LALCO'

**Kjeldahl Digestion & Distillation Unit Combined** : one single mild steel tubular stand is provided with heating shelves one above the other on lower portion. a fume duct and heater box are supplied for digestion part. the heaters are individual on/off switches in the upper portion. another heater box with condenser rack rod and tubes are given for distillation part. the whole unit is electrically operated on 220/230 volt A.C., without glass part.

Cat. No.	Unit of	Regulator	Price/Pcs.
268/02	3 Test	3	30000.00
268/04	6 Test	6	46500.00

**Glassware** : Please refer glassware catalogue no. GW83 or GW84 & GW147



268

## 269 HOT PLATE ELECTRIC C.I. TOP 8" (ROUND) 'LALCO' 4000.00

**Hot Plate Electric (Round)** : with three heat control switch round shape. Made of Cast Iron, body is of thick mild steel powder coated, Rating 1Kw. 230Volts AC/DC. Plate in mild steel 8" dia with energy regulator



269

## 269/A HOT PLATE ELECTRIC S.S. 8" (ROUND) 'LALCO'

**Hot Plate Electric (Round)** : with energy regulator S. S.

<b>Top S.S.</b>	8900.00
<b>Complete S.S.</b>	10500.00
<b>Optional</b> : Digital PID temperature controller	8200.00



269/A

## 270 HOT PLATE ELECTRIC (RECTANGULAR) 'LALCO'



270 C.I.



270 S.S.



272



273

**Hot plate Electric (Rectangular) :** with temperature controller having temperature range upto 350d c. made of cast iron plate fixed in thick mild steel body powder coated.

Cat. No.	Plate Size	Rating	M.S. Body. C.I. Top	M.S. Body. S.S. Top	S.S. Body. S.S. Top
270/01	10x12"	1Kw	5950.00	9900.00	18600.00
270/02	10x16"	1Kw	8060.00	10900.00	20500.00
270/03	12x18"	2Kw	11400.00	12100.00	23300.00
270/04	18x24"	3Kw	18600.00	22400.00	40000.00
<b>Optional :</b> Digital temp. indicator cum controller					8200.00

## 272 HOT AIR OVEN (MEMERT TYPE) 'LALCO'

**Hot Air Oven (Memert Type) :** this is made of thick mild steel sheet, double walled construction. there is a gap of about 2 ½" between the walls for insulation, filled with best quality glasswool. outside finished in textured siemens grey powder coating. the door is fitted with chromium plated lock hinges. heating elements are connected from three sides of the inner chamber. the temperature is controlled by precision thermostat from room temperature to 250d c. accuracy is about +- 1d c. this is suitable for 230volts ac single phase.

Cat. No.	Inner Chamber	Size	No. of Shelves	Watts	Cap. (Apx.) Liters	Price/Pcs.
272/01	Alluminium	12x12x12"	2	750	28	13600.00
272/02	Stainless Steel	12x12x12"	2	750	28	15800.00
272/03	Alluminium	14x14x14"	2	800	45	17600.00
272/04	Stainless Steel	14x14x14"	2	800	45	19900.00
272/08	Stainless Steel	18x18x18"	2	1500	95	27500.00
272/09	Stainless Steel	18x18x24"	2	2000	125	40000.00
272/10	Stainless Steel	24x24x24"	2	2500	224	55000.00
272/11	Stainless Steel	24x24x36"	2	3000	336	84000.00
<b>Note :</b> A. Extra Digital PID Controller						8200.00
B. Fan System						6200.00
C. PLC Controller with 21CFR Software and Data Recorder						50000.00

## 273 HOT AIR OVEN (MEMERT TYPE) G.M.P. MODEL 'LALCO'

**Hot Air Oven (Memert Type) G.M.P. Model :** provided with 304 grade stainless steel outer body with S.S. inner chamber with digital PID controller and Fan system.

Cat. No.	Inner Chamber	Size	No. of Shelves	Watts	Cap. (Apx.) Liters	Price/Pcs.
273/01	Stainless Steel	12x12x12"	2	750	28	52000.00
273/02	Stainless Steel	14x14x14"	2	800	45	59500.00
273/03	Stainless Steel	16x16x16"	2	1000	65	68500.00
273/04	Stainless Steel	18x18x18"	2	1500	95	84600.00
273/05	Stainless Steel	24x24x24"	2	2500	224	150000.00
273/06	Stainless Steel	18x18x24"	2	2000	125	109000.00
273/07	Stainless Steel	24x24x36"	2	3000	336	176000.00



# LABORATORY INSTRUMENTS



## 275 B.O.D. INCUBATORS 'LALCO'

**B.O.D. Incubators :** this is made of thick mild steel sheet, double walled filled with best quality glass wool. out side finished in textured siemens grey, powder coating. double door provided with lock system. the inner chamber is made of stainless steel/alluminium. equipment is fitted with digital pid controller. (stabilizer recommended)

Cat. No.	Size	Price/Pcs. Stainless Steel
275/01	4 Cu. ft. (110 Ltr.)	90000.00
275/02	3 Cu. ft. (90 Ltr.)	88000.00
275/03	6 Cu. ft. (165 Ltr.)	109000.00
275/05	8 Cu. ft. (220 Ltr.)	115000.00
275/07	10 Cu. ft. (280 Ltr.)	145000.00
275/09	12 Cu. ft. (340 Ltr.)	156000.00
275/11	15 Cu. ft. (430 Ltr.)	180000.00
<b>Optional :</b> 1. Timer 0-24 hours day night		3600.00
2. Internal illumination with 3 flurocent tube		6400.00
3. Automatic voltage stabilizer 3 KVA		16700.00
4. Automatic voltage stabilizer 5 KVA		24000.00
5. PLC Controller with 21CFR Software and Data Recorder		50000.00



275

## 276 B.O.D. INCUBATORS G.M.P. MODEL 'LALCO'

**B.O.D. Incubators G.M.P. Model :** provided with 304 grade stainless steel outer body with S.S. inner chamber with digital PID contorller and fan system. (stabilizer recommended)

Cat. No.	Size	Cat. No.
276/01	4 Cu. ft. (110 Ltr.)	138000.00
276/02	6 Cu. ft. (165 Ltr.)	165000.00
276/03	8 Cu. ft. (220 Ltr.)	180000.00
276/04	10 Cu. ft. (280 Ltr.)	198000.00
276/05	12 Cu. ft. (340 Ltr.)	240000.00
276/06	15 Cu. ft. (430 Ltr.)	270000.00



276

## 277 DRY BATH INCUBATOR 'LALCO' 19800.00

**Dry Bath Incubator :** 24 holes for 12 mm tube,  $\pm 5^{\circ}\text{C}$  above ambient to  $70^{\circ}\text{C}$ , temp, sensor PT-100, max. heating power 125w, temp, controller pid, timer 1min. to 99minutes, LCD display for time & temp., anodized aluminium block, 220V AC, available with buzzer alarm and over heat protection



277

## 278 INCUBATOR BACTERIOLOGICAL (MEMERT TYPE) 'LALCO'

**Incubator Bacteriological (Memert Type) :** this is made of thick mild steel sheet, double walled construction. there is gap of about 2" between the walls for insulation, filled with best quality glasswool. outside finished in textured siemens grey finish point. outside finished in textured siemens grey finish powder coated. the door is fitted with chromium plated lock hinges. an inner glass panelled door is also provided. heating elements are connected from three sides of the inner chamber. the temperature is controlled by thermostat from room temperature to about 80°C. accuracy is about  $\pm 1^\circ\text{C}$ . this is suitable for 230volts AC, single phase. an angular thermometer is fitted above the door on the body of the oven. two pilot lamps and a three heat control switch are provided.



278

Cat. No.	Inner Chamber	Size	No. of Shelves	Watts	Cap. (Apx.) Liters	Price/Pcs.
278/01	Alluminium	12x12x12"	2	250	28	13600.00
278/02	Stainless Steel	12x12x12"	2	250	28	15800.00
278/03	Alluminium	14x14x14"	2	300	45	17600.00
278/04	Stainless Steel	14x14x14"	2	300	45	19900.00
278/08	Stainless Steel	18x18x18"	2	500	95	27500.00
278/10	Stainless Steel	24x24x24"	2	900	224	55000.00
<b>Note :</b> A. Extra digital PID controller						8200.00
B. Fan system						6200.00

## 279 INCUBATOR BACTERIOLOGICAL (MEMERT TYPE) G.M.P. MODEL 'LALCO'

**Incubator Bacteriological (Memert Type) :** G.M.P. model, provided with 304 grade stainless steel outer body with S.S. inner chamber with digital PID controller and fan system.



280

Cat. No.	Inner Chamber	Size	No. of Shelves	Watts	No. of Shelves	Price/Pcs.
279/01	Stainless Steel	12x12x12"	2	250	28	52000.00
279/02	Stainless Steel	14x14x14"	2	300	45	59500.00
279/03	Stainless Steel	16x16x16"	2	400	65	68500.00
279/04	Stainless Steel	18x18x18"	2	500	95	84600.00
279/05	Stainless Steel	24x24x24"	2	900	224	150000.00

## 280 VACUUM OVEN DIGITAL PID CONTROLLER 'LALCO'

**Vacuum Oven Digital PID Controller :** for determination of dehydration and moisture at reduced pressure and temperature and for evacuation of fumes. the chamber is made of thick stainless steel sheet. outer body is finished with powder coating. the clamped door makes the oven useful at a low pressure not exceeding 5 lbs per sq. inch. sealing of door is easy. switched and indicating lights are provided at the front of the oven. combined vacuum and pressure gauge is mounted at the top of the oven together with valve. temperature and vacuum is uniform in the chamber. the oven is 12" deep with 12" dia. with an inspection window.

Temp. Range	Cap. Liters	No. of Tray	Size	Price/Pcs.
50-150°C	24	1	12" x 12" Dia	65000.00
50-150°C	24	1	G.M.P Model	105000.00

# LABORATORY INSTRUMENTS



## 282 RECTANGULAR MUFFLE FURNACE DIGITAL 'LALCO'

**Rectangular Muffle Furnace Digital** : the casing made of thick mild steel reinforced with iron angles riveting screw joints and welding wherever necessary and powder coated. heating chamber consisting of rectangular horizontal shape totally enclosed muffle baked at 1500°C. heating elements made of high temperature kanthal wire surrounded into the heating chamber, heat and protects heating elements against damage and chemical deterioration. highly efficient, light weight, insulation is cast permanently into the furnace body. all furnaces are equipped with a dependable indication pyrometer having 3.5" scale calibrated in 20°C increments to 1200°C with mounting bracket attached to the furnace pyrometer equipped with chrome alumel thermocouple. temperature of the furnace with two indicating lights which glow while the furnace is 'ON', work on 220/230 volts AC.

Cat. No.	Muffle Size	Rating	Price/Pcs.(900°C)	Price/Pcs.(1150°C)
282/01	100x100x225mm	1.6 Kw	33500.00	44000.00
282/02	125x125x250mm	2.0 Kw	37000.00	50000.00
282/03	150x150x300mm	3.0 Kw	52000.00	60000.00

**Optional** : Furnace Tong S.S. refer catalogue no. 112



282

## 283 ORBITAL SHAKER INCUBATOR 'LALCO'

**Orbital Shaker Incubator** : the unit is made of m.s. powder coated and inner made of stainless steel. the door provided with glass window, temp, range 5°C above ambient to 60°C in **Heating Model & In Cooling Model** temp, range 10°C to 60°C, cooling by cfc free hermetically sealed compressor, heating by kanthal wire element, illumination light is also provided, flask holder spring type clamp arrangement made of stainless steel, pid controller & digital RPM controller are fitted on the instrument.

Cat. No.	No. Of Flask Size in ml	Heating Price/Pcs.	Cooling Price/Pcs.
283/01	9x250ml	99000.00	131000.00
283/02	16x250ml	106000.00	163600.00
283/03	25x250ml	130000.00	198000.00
283/04	9x500ml	103000.00	139000.00
283/05	16x500ml	121500.00	164000.00
283/06	25x5000ml	158000.00	236000.00



283

## 1035 INCUBATOR SHAKER (INDUSTRIAL) 'LALCO' P.O.R.

Temperature 5°C to 50°C. Cooling arrangement through hermetically sealed compressor. Fitted With microprocessor based PID electronic digital temp, controller cum indicator an accuracy of ± 1°C. Double walled, outside made of mild steel sheet duly powder coated inner stainless steel with two air circulating fans. Door made of inbuilt glass for viewing of sample. Built in Microprocessor based digital PID Temp, rotary shaker with DC drive for speed control and timer. RPM range -20 -500. Inbuilt data logger with RS232 interface to work on 220/230 volts A.C. Also fitted with shaking tray which can be select from below mentioned types. Adjustable flask fitting allows to set flask of any size from 100 ml to 2 000 ml.

Capacity inner Chamber 4cft  
Capacity inner chamber 6cft

Capacity inner chamber 10cft  
Capacity inner Chamber 12cft



1035

## 284 ROTARY FLASK SHAKER DIGITAL WITH RPM MICRO PROCESSOR CONTROLLER 'LALCO'



284

**Rotary Flask Shaker** : body made of m.s. powder coated heavy duty for shaking of erlynmyer flask from 50 ml. to 1000 ml capacity, platform is provided with stainless steel clamps to hold flask. D.C. motor drive with continuously variable speed regulator to work on 220/230 volts A.C.

Cat. No.	Holding Capacity	Flask Capacity	Price/Pcs.
284/01	25 Flask	100ml.	52000.00
284/02	16 Flask	250ml.	54000.00
284/03	9 Flask	500ml.	50000.00
284/04	36 Flask	100ml.	62000.00
284/05	25 Flask	250ml.	66000.00
284/06	16 Flask	500ml.	66000.00
284/07	36 Flask	250ml.	80000.00
284/08	25 Flask	500ml.	86000.00
284/09	81 Flask	250ml.	130000.00
284/10	64 Flask	500ml.	145000.00
284/11	49 Flask	1000ml.	150000.00



285

## 285 SIEVE SHAKER (TABLE TOP) WITH MANUAL TIMER 'LALCO'

**Sieve Shaker (Table Top)** : Fitted with a FHP motor, it can accommodate six sieves of 8" dia, speed can be regulated through continuously variable speed regulator fitted to the unit to work on 220/230 volt A.C. (without sieves).

Cat. No.	Sieves Dia	Price/Pcs.
285/01	8"	42000.00
<b>Optional</b> : Automatic digital 999 minutes timer		8200.00



286

## 286 VORTEX SHAKER 'LALCO' 5600.00

**Vortex Shaker (Test Tube Shaker)** : vibration type, variable speed, vortex genie short rapid eccentric stroke and motor driven. neoprene cap imparts vigorous agitation to tube or small flask, shaking start when vessel is pressed against, with ON/OFF switch. vacuum rubber fitted at the bottom to prevent movement.



L1080

## L1080 VORTEX MIXER (FIXED SPEED) 'LALCO' 13500.00

**Vortex Mixer (FIXED SPEED)** is a mini touch fairy Vortex, suitable for shaking and mixing of various reagents, Up to 50ml centrifugal tube. Rotating Speed 4200 rpm FIX, Operation Mode Touch, Orbital Diameter 4.5mm, max.load capacity 500g, Protection Class IP21, Rated Voltage 12v 1.5amp, Rated Power 15w, Frequency 50/60Hz



# LABORATORY INSTRUMENTS



## L1081 VORTEX MIXER (VARIABLE SPEED) 'LALCO' 18000.00

**Vortex Mixer (VARIABLE SPEED)** is a mini touch fairy Vortex, suitable for shaking and mixing of various reagents, Up to 50ml centrifugal tube. Rotating Speed 500 to 3500 rpm (variable), Operation Mode Touch, Orbital Diameter 4.5mm, max. load capacity 500g, Protection Class IP21, Rated Voltage 12v 1.5amp, Rated Power 15w, Frequency 50/60Hz



L1081

## L1082 DIGITAL VORTEX MIXER (WITH TIMER) 'LALCO' 30000.00

**Digital Vortex Mixer (with Timer)** It is widely used In life science. physical and chemical analysis fields, for 20,000 vigorous re-suspension of cells or chemical pellets. It is suitable for 0.2ml to 50ml micro tubes, Adjustable speed Range from 300 to 4200 RPM(Variable), Brushless DC motor, Digital Dual display for Speed and time, Time setting From 1 to 999 minutes for continuous operation, Protection Class IP21, Rated Power 20W



L1082

## 287 FLASK SHAKER WRIST ACTION TYPE 'LALCO'

**Flask Shaker Wrist Action Type** : the machine is made of heavy duty iron & finished with powder coated. efficiently shaking of flask from 100 to 1000ml. conical or R.B. Speed 80-1440 RPM Oscillations per minutes. Suitable for dissolving, dispresing, extracting and emulsifying. supplied complete with side arms, clamps & key fitted FHP motor to work on 220/230 volt A.C. with Digital Timer Controller



287

Cat. No.	Flask Clamps	Price/Pcs.
287/01	Side arm fitted with 2 clamps on each arm to accommodate 4 flask	36000.00
287/02	Side arm fitted with 4 clamps on each arm to accommodate 8 flask	38000.00

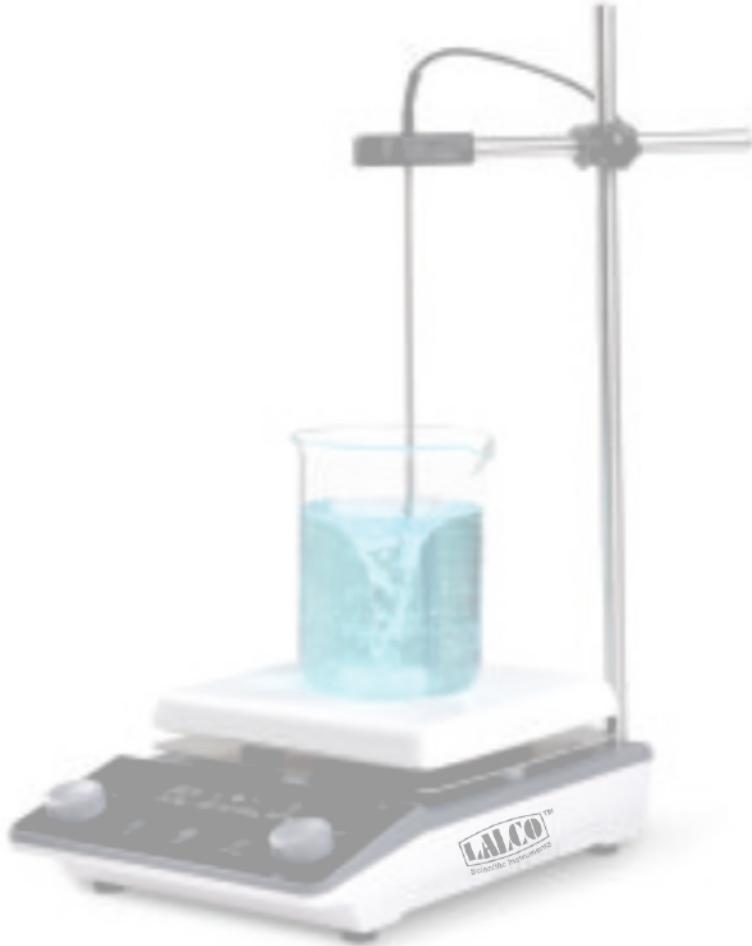
## 1048 DEEP FREEZER ( -20°C) 'LALCO'

The unit made of Double walled outer made of M S sheet duly powder coated/stainless steel and inner wall And Tray made of S.S. Sheet, unit Available in Vertical /Horizontal Model, The gap between outer and inner Wall is filled high grade PUF insulated to minimize thermal loss. Inner door made of transparent acrylic door for inner view. Unit fitted with mechanical voltage indicator. Provide with Refrigeration System to control Temp, range Ambient to -20°C By Microprocessor PID based Digital Temperature Indicator cum Controller with Accuracy ±0.5°C. To work on 220/230 Volt AC, 50Hz Supply.



1048

Cat. No.	Capacity. Cu. ft. / Litrs.	Inner Size WxDxH	Vertical Price/Pcs.	Vertical Price/Pcs.
1048/01	4 Cu.ft. 112 litrs.	375x500x605 mm	157000.00	145000.00
1048/02	6 Cu.ft. 171 litrs	505x410x830 mm	200000.00	180000.00
1048/03	10 Cu.ft. 280 litrs	570x550x875 mm	295000.00	270000.00
1048/04	12 Cu.ft. 340 litrs	650x580x900 mm	315000.00	293000.00
<b>Optional</b> : 1. Chart Recorder for Blood Bank Refrigerated.				90000.00
2. HMI (Touch Screen) Controller with Data recorder and Software				150000.00
3. Automatic Voltage stabilizer				16700.00



# LABORATORY INSTRUMENTS



**289**

**V.D.R.L. SHAKE 'LALCO'**

**9900.00**

**V.D.R.L. Shake** : bench top orbital shaker incorporating 30cm x 30cm for flask, beakers, bottles or containers. A timer is fitted to cut OFF automatically. works on 220/230 volts A.C.



289

**290**

**ROTARY MICROTOME 'LALCO'**

**52000.00**

It incorporates a ball and flange type object holder for specimen centering. Knife holder with lateral movement permits use of complete knife edge and has feed range of 1 -25 micron each. Supplied complete with one knife 120mm long with stone, one bottle of lubrication oil and dust cover.

Accessories Included

Razor 120 mm with backand handle in box 1 no.

Honing stone in box 1 no.

Object holder (set of three) set & Dust cover



290

**291**

**ROTARY MICROTOME SENIOR PRECISION (SPENCER TYPE) 'LALCO'**

**75000.00**

Designed for very precise sectioning of tissue upto 1 micron thickness. The feed indicator, located in front of microtome is operated by the latest 'CAM DRIVE SYSTEM' for accurate feed setting from 1-50 microns in steps of one micron. The salient features include independent feed mechanism with automatic safety device, universal knife holder with lateral movements permitting use of the entire knife edge, universal vice type object holder for accurate centering of the specimen. Section thickness setting 1 -50 microns in step of 1 micron



291

Knife Length 120mm.	Block Holder Set of three
Moulds 50x25x20mm	Trimming Section Upto 10-20 micron
Vertical Specimen Stroke 55mm	Max. Speciman Size 32mm
Soeci man Orientation 360°	Thickness Control Manual with microtome
Object Feed With wheel	Honing Steel Provided



292/01

## 290/01 AUTOMATIC KNIFE SHARPENER 'LALCO' 55000.00

A stream c microtome knife sharpener with electric timer coupled with simple razors. Working mechanism encased in an aluminum cover and front portion covered with a clear acrylic canopy to observe safe and dust free honing. Supplied complete with glass honing plate, coarse & fine abrasives and dust cover.



292

## 292 WATER STILL S.S. 'LALCO'

**Water Still :** automatic complete **Stainless Steel** body, electrically operated, fitted with easily replaceable heaters which cuts of automatically if the water is less

Cap./Hr.	Rating K.w	Price/Pcs.
2.0 Ltrs.	1.5 Kw	10800.00
4.0 Ltrs.	4.0 Kw	13800.00
6.0 Ltrs.	4.5 Kw	20100.00
8.0 Ltrs.	6.0 Kw	26800.00
10.0 Ltrs.	6.0 Kw	30000.00



295

## 295 AUTOCLAVE PORTABLE 'LALCO'

**Autoclave Portable :** this is suitable for general laboratory & field sterilization of instruments & dressing etc. lid is provided with dial pressure gauge. spring loaded safety valve, dead weight type safety valve & steam release valve. a jointless neoprene gasket is also provided for leak proof sterilization

Size (mm)	Cap. (Ltrs.)	Material	Price/Pcs.
300x300	25	S. Steel	16500.00
300x375	32	S. Steel	20000.00
<b>Optional :</b> 1. Spare Heater			1600.00
2. Spare Gasket for 25 Ltrs.			1700.00
3. Spare Gasket for 32 Ltrs.			2600.00
4. Spare Gauge			1600.00
5. Spare Knob			350.00





## 296 AUTOCLAVE VERTICAL 'LALCO'



296

**Autoclave Vertical :** Electrically heated vertical autoclave is used for sterilization of surgical instruments, dressing material, linen, rubber plastic material by means of saturated steam under pressure of 15 to 20 PSI., Double walled construction which inner chamber is made of Stainless Steel sheet and outer shell is also made of Stainless Steel highly polished, the boiler & other shell is provided with air insulation. Lid is made of brass with stainless steel coating inside & is tightened all around by wing nuts & joint less neoprene gasket Autoclave is fitted with water level arrangement, dial pressure gauge, steam release valve, spring loaded safety valve; which can be set at any selected point from 10 to 20psi  $\pm$  3psi.

Size (mm)	Cap. (Ltrs.)	Wing Nut Price	With Redial Locking Price
250x450 (10x18)	22	54000.00	99000.00
300x500 (12x20)	40	64500.00	108000.00
350x550 (14x22)	52	82500.00	118000.00
400x600 (16x24)	80	102000.00	135000.00
450x600 (18x24)	98	115000.00	150000.00
450x750 (18x30)	120	165000.00	200000.00
550x750 (22x30)	152	182000.00	220000.00
550x900 (22x36)	200	215000.00	250000.00
<b>Optional :</b> 1. Automatic pressure controll switch			13000.00
2. PID temp. controller with timer upto 60 min.			10000.00
3. Automatic low water level cut off			10000.00
4. Automatic Purging System			25000.00



297

## 297 C.O.D. DIGESTION APPARATUS 'LALCO'

**C.O.D. Digestion Apparatus :** complete with temperature controller arrangement with glass parts.

Cat. No.	No. of Tubes	Price/Pcs.
297/01	6	40000.00
297/02	12	48000.00
297/03	15	57600.00
<b>Note :</b> Extra Glass Tube Set		800.00



297/A

## 297/A C.O.D. BOTTLE STAND & CONDENSER STAND S.S. 'LALCO'

Stand made of S.S. Double Tier

Cat. No.	No. of Tubes	Bottle Stand S.S.	Condenser Stand S.S.
297/A/01	6	920.00	1150.00
297/A/02	12	1050.00	1700.00
297/A/03	15	1180.00	2240.00

# LABORATORY INSTRUMENTS



## 298 ANAEROBIC CULTURE JAR S.S. 'LALCO' 19000.00

**Anaerobic Culture Jar S.S. :** B.T.L. type - is made of high s.s. with a top flange recessed for a to redial rubber sealing ring a cover held in place by a strong bridge clamp. the jar is supplied w/o semi solid lucas indicator but with pressure cum vacuum gauge

<b>Note :</b> 1. Catalyst in monel sachet	<b>2200.00</b>
2. Rubber sealing ring	<b>185.00</b>
3. Gas packs	<b>370.00</b>



298

## 300 ABBE REFRACTOMETER 'LALCO' 21500.00

**Abbe Refractometer :** for accurate measurement of index of refraction of transparent liquids, solids and solutions. for use in sugar, ghee and oil mills pharmaceuticals and chemical laboratories, jam factories and distilleries etc. measuring range 1.3000 to 1.7000. measurement of sugar 0% to 95% complete. designed for the accurate & quick examination of the refractive indices & mean dispersion of liquids, solids & oil

<b>ND Range :</b>	N.D. 1.300 to N.D. 1.7000 in steps of 0.001
<b>Accuracy :</b>	0.0002
<b>Sugar Percentage :</b>	0 to 95% in steps of 1 division
<b>Accuracy</b>	± 0.5%
<b>Temperature</b>	0-50°C



300

## 300/01 DIGITAL ABBE REFRACTROMETER 'LALCO' 270000.00

**Digital Abbe Refractometer** Measurement of refractive index nD of transparent or translucent liquid and solid substances. Measurement of the Brix of sugar solution. Visual aim and LCD display. Automatic correction of the effect of temperature on the Brix. Prism made of hard glass. RS 232 interface available. Measuring modes. Refractive Index, Brix of sugar solution, Brix TC of sugar solution & Automatic detect Temp. shown in display. Measurement range- nD 1.30000- 1.70000 & Brix: 0-100%



300/01

## 301 WATER BATH WITH PUMP 'LALCO'

Suitable for Abbe & Bytro Refractometer

Cat. No.	Size inner Chamber (MM)	Capacity Liters	Price/Pcs.
301/01	300x250x175	14	<b>13800.00</b>
301/02	300x175x175	8	<b>12800.00</b>
<b>Optional :</b> Microprocessor PID Digital Temp. Controller with timer/Alarm			<b>8200.00</b>



301

## 302 HAND REFRACTOMETER 'LALCO'



302

**Hand Refractometer** : which are manufacturing soft drinks, juices, souces, jams, honey, and so many other products? these refractometer equipped with short wave filter which differentiate demarcation line for accurate reading, instrument workable on day light.

Cat. No.	Range	Price/Pcs.
302/01	0-32%	4300.00
302/02	28-62%	4400.00
302/03	58-92%	4950.00



305

## 305 STUDENT POLARIMETER 'LALCO' 9000.00

**Student Polarimeter** : ( Half Shade ) analyser brass scale graduated from 0-360 deg. or 0-180 deg. with vernier reading 6" and accomodates a 200 mm glass tube. it is packed in a card board box.

## 307 STUDENT POLARIMETER (BI-QUARTZ) 'LALCO' 14800.00



310 - 311

## 310 RESEARCH POLARIMETER (220 MM) 'LALCO' 57000.00

**Research Polarimeter** : (220 mm) used in medical, pharmaceutical and chemical research laboratories. consist of a imported half shade nicol polariser, analyser, 100mm. diameter circular scale divided in degrees 0-360 deg. x 1 deg. and a sugar scale divided -30 deg. to +130 deg. x 1 deg. iss, a divided micrometer drum is given to read 0.05 deg. (3 minutes) and 0.1deg. iss, the scale is properly illuminated for taking readings, the body is very sturdy and separate sodium lamp is stand is provided. complete with polarimeter tube, bubble traps at the center, 200mm. sodium lamp with stand and transformer

## 311 RESEARCH POLARIMETER (400 MM) 'LALCO' 81000.00

Same as model no. 310, but tube length 400mm



311/740

## 311/740 AUTOMATIC DIGITAL POLARIMETER 'LALCO' 142500.00

**Digital Automatic Polarimeter** Domestic advanced digital circuit and microcomputer control. graphical LCD display. Storage of three times results for Re-M (repetition measurement) and calculation of average value. Measurement of dark-colored sample. USB interface. Measurement range -70° to +70°(optical rotation) and -200° to +200° Z (sugar scale). Most Suitable for sugar content measurements.



311/750

## 311/750 AUTOMATIC MICRO COMPUTER POLARIMETER 'LALCO' 390000.00

**Digital Automatic Polarimeter** advanced digital circuit and microcomputer control based, large display storage of 3 times result for Re-M (repetition measurement) and calculation of averages value Measurement of colored samples. RS232 interface. Measurement range-45° to +45°, -120° to +120°Z.







312

## 312 BYTRO REFRACTOMETER 'LALCO' 20000.00

**Bytro Refractometer** : it can be used for measurement of fats in ghee and other such product giving a reading directly in terms of oil scale also known as bytro scale. the instrument is provided with test liquid for checking and resetting the scale if necessary and is encased in a portable wooden box. refraction range of 1.42 to 1.49 with an accuracy of 0.0002 as tables are supplied with sugar and oil scale, sugar scale 50-80% and oil scale 0-100%. the instrument to be used with white light.



313

## 313 INFRARED MOISTURE BALANCE (I.R.) 'LALCO'

**Infrared Moisture Balance** : is used for moisture content of material that do not change their chemical structure while losing water under exposure to infrared radiation. the balance scale is divided directly in moisture percentage from 0-100% in 0.2% division. a thermometer is provided for estimating the temperature of the drying chamber.

<b>Capacity</b>	5gm	10gm
<b>Price/Pcs.</b>	40000.00	45000.00



313/76

## 313/76 MOISTURE BALANCE DIGITAL 'LALCO' 117000.00

**Digital Moisture Balance** with Weighing Range 50gm, Readability 1mg, Repeatability (3g samples) 0.20%, Minimum Sample Amount 0.5g, Advised Sample Amount 3-10g, Heat up time-99 minutes, 1 minute Interval, Temperature Program Standard Terminal Control Timing, Automatic, Heating Temperature Range 50-180°C, Showing Content Moisture %, Solid %, Weight, Time, Data etc Heating Source Halogen Lamp Pan Size 100mm. High precision heat insulation. Halogen drying method. Highly accurate & stable.



314 - 315

## 314 FLOCCULATOR ALUM JAR TEST APP SET OF 6 'LALCO' 37000.00

**Floculator Alum Jar Test App** : designed for floculator formation tests in water treatment plant with variable speed from 10-100 rpm with fhp geared motor. special light arrangement at bottom, cap. 6 stirrer of 1 ltrs. non digital

314/01	Jar Test Apparatus Set of 4	29500.00
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## 315 FLOCCULATOR ALUM JAR TEST APP SET OF 6 (DIGITAL) 'LALCO' 54000.00

315/01	Jar Test Apparatus Set of 4 Digital	43000.00
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316

## 316 DIGITAL DISSOLUTION RATE TEST APPARATUS 'LALCO'

**Digital Dissolution Rate Test Apparatus** : (as per ip/bp/usp standards) the apparatus is suitable for testing dissolution rate of tablets & capsules. it consists of male transparent acrylic tank, immersion type heater, drain cock & transparent hemispherical unbreakable vessel. the base unit is made of M.S. powder coated with digital RPM indicator, motorized lifting facility of the stirrer. the digital temp. controller is normally set 37°C with digital display & it can be adjusted for other setting with an accuracy of ±0.5°C, speed range 20 to 160 RPM, display 3 digits, accuracy ±0.5 RPM, timer 1 to 999 minutes.

Cat. No.	Unit	Price/Pcs.
316/01	Double Test	88000.00
316/03	Six Test	300000.00
<b>Optional</b> : Spare vessel unbreakable		4400.00

# LABORATORY INSTRUMENTS



## 316/7210 TABLET DISSOLUTION APPARATUS TOUCH SCREEN MICRO PROCESSOR (EIGHT BASKET) 'LALCO' 390000.00

**Touch Screen Microprocessor Dissolution Test Apparatus (Eight Basket)** Range 25-200 RPM, resolution 1 RPM and accuracy  $\pm 1$  RPM, Snap-fit Paddle Attachment, Marble Finish Top Plate, Circulating Pump, 40 Setup Storage facility, 400 test samples storage and with printer attachment facility. Password protected data login facility. USB interface for computer connection available.



316/7210

## 316/721 TABLET DISSOLUTION APPARATUS MICRO PROCESSOR (EIGHT BASKET) 'LALCO' 360000.00

**Microprocessor Dissolution Test Apparatus (Eight Basket)** with 20 x 4 character Graphical LCD Display, Range 25-200 RPM, resolution 1 RPM and accuracy  $\pm 1$  RPM, Snap-fit Paddle Attachment, Marble Finish Top Plate, Circulating Pump, 20 Setup Storage facility, 400 test samples storage and with printer attachment facility. USB interface for computer connection available.



316/721

## 317 TABLET FRIABILITY TEST APPARATUS 'LALCO'

**Tablet Friability Test Apparatus :** the apparatus is designed to determind the abrasion rate & impact hardness of tablets. one/two acrylic drums rotated by constant speed motor, mounted on M.S. powder coated cabinet.

Cat. No.	Test	Type	Price/Pcs.
317/01	Single	Non Digital	19800.00
317/02	Double	Non Digital	24000.00
317/03	Single	Digital RPM & Timer	27200.00
317/04	Double	Digital RPM & Timer	34000.00



317

## 317/710 MICROPROCESSOR FRIABILITY APPARATUS (DOUBLE DRUM) 'LALCO' 85500.00

**Microprocessor Friability Apparatus (Double Drum)** measures the tendency of a tablet to chip or breakdown to pieces when held under mechanical stresses. It uses the latest microcontroller, 20 x 4 line alphanumeric LCD display with backlit, soft touch membrane type keys, Rotational speed of drums can be set at different speeds (20-60 rpm), the samples can be loaded and unloaded conveniently without removing the drums, USB interface for computer connection available.

<b>Optional :</b> Spare drum wheel	30000.00
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317/710





# LABORATORY INSTRUMENTS



## 318 LEAK TEST APPARATUS WITH MANUAL TIMER 'LALCO' 39600.00

**Leak Test Apparatus :** the unit is suitable for leakage test in medicine strips in sachet of tablets, capsules or powders, the unit is made of 304 grade stainless steel with vacuum dessicator oil free vacuum pump, vacuum guage with stopcock & timer switch.

**Optional :** Digital Timer **8000.00**



318

## 319 ANTIBIOTIC ZONE READER 'LALCO' 52800.00

**Antibiotic Zone Reader :** the unit is measuring the dia meter of finished zone in a petri dish, for determining the streangth of antibiotic material. this unit measures the dia meters of the inhibited zone within range of 0-35mm with an accuracy of 0.2mm. the light from the inside source of the base passes up through the transparent & semitransparent of the agar then to a glass prism mounted at the magnified image of zone of inhibitions is clearly visible on the prism.



319

## 321 ORGAN BATH (SINGLE) 'LALCO' 6900.00

Cat. No.	Test	Price/Pcs.
321/01	Organ Bath Double	13000.00
321/02	Organ Bath Four	16700.00



321

## 322 PRESLEY SMITH PERIMETER 'LALCO' 22300.00



322

323

## 323 SPIROMETER 'LALCO' 17100.00

## 324 HISTAMINE CHAMBER 'LALCO' 10000.00

**Histamine Chamber :** aerosole made of acrylic sheet, with glass nebulizer, dial type sphygmometer, rubber bellow for constant pressure with y tube & rubber tube



324

## 325 ACTIVITY CAGE ACTOPHOTOMETER 'LALCO' 21700.00

**Activity Cage Actophotometer :** the chamber for the animal is made out of clear perspex sheet fitted with girll of nickle plated rods placed 3/16" apart. a variable shock of strength 100v, 50ma is provided. which is built in the instruments. also a four digital counter is provided which counts the movement of the animal, inside the perspex chamber. the counter is provided with a reset switch.



325



355

## 355 HUMIDITY CABINET (HUMIDITY CONTROL OVEN) DIGITAL 'LALCO'

**Humidity Cabinet (Humidity Control Oven) :** temp. range ambient temp, to 60°C temp, controlled by a thermostat with an accuracy of  $\pm 1^\circ\text{C}$  with built in horizontal 'I' shape thermometer. the humidity is controlled by humidistat from atmospheric humidity to 95% with a sensitivity of  $\pm 3\%$ . double walled outer made of M.S. powder coated & inner made of satinless steel. the door has glass window, works on 220/230 volts A.C. inside water tank is made of stainless steel.

Cat. No.	Size in mm (w x d x h)	Cap.	Price/Pcs.
355/01	455x455x455	95 Ltrs.	98500.00
355/02	455x455x710	147 Ltrs.	130000.00
355/03	605x605x605	225 Ltrs.	150000.00
355/04	605x605x910	335 Ltrs.	159000.00
<b>Optional :</b> 1. Automatic voltage stabilizer 3 kva (recomanded)			16700.00



356

## 356 STABILITY / HUMIDITY ENVIRONMENTAL CHAMBER FULLY DIGITAL 'LALCO'

**Environmental Chamber Humidity Cabinet :** (stability chamber) low temp, control & humidity. the inner working chamber is made of stainless steel and outer made of m.s. powder coated. the temp, can be controlled from 10°C to 60°C  $\pm 2^\circ\text{C}$  & humidity from 55% to 90%  $\pm 3\%$  rh temp, below ambient is controlled by hermetically sealed compressure complete with accessories provided below the unit. two stainless- steel water reservoirs heated by immersion heaters are provided to creat humidity. complete with controlled switches & indicators.

Cat. No.	Size in mm (w x d x h)	Cap.	Price/Pcs.
356/01	455x455x455	95 Ltrs.	180000.00
356/02	455x455x710	147 Ltrs.	195000.00
356/03	605x605x605	225 Ltrs.	220000.00
356/04	605x605x910	335 Ltrs.	245000.00
<b>Optional :</b> 1. 21 CFR BASED			50000.00
2. Automatic voltage stabilizer 3 kva (recomanded)			16700.00

## DIGITAL pH METERS

### 501 AUTO DELUXE pH METER 'LALCO' 13800.00

**Auto Deluxe pH Meter :** with automatic temperature compensation, combination ph electrode and RTD probe. 3½ digit LED display. useful for ph and redox potential measurement. Range 0.00 to 14.00. Touch Button Calibrations. (table model).



501 - 502

### 502 AUTO DIGITAL pH METER 'LALCO' 11800.00

**Digital pH Meter :** with manual temperature compensation and combination ph electrode, 3½ digit LED display. useful for ph and redox potential measurement, Range 0.00 to 14.00. Touch Button Calibrations. (table model).

Accessories for digital pH meter	Price
(a) pH combination electrode (0-14 pH)	2200.00
(b) Electrode stand	2200.00
(c) Temperature probe	2000.00

# ANALYTICAL INSTRUMENTS



**503**

**MICROPROCESSOR BASED  
pH / TEMPERATURE / MV METER 'LALCO'**

**25500.00**

**Microprocessor Based pH/Temperature/mv Meter** : with 16x2 alpha numeric LCD display having auto temperature compensation, auto buffer recognition alongwith accessories. it's features include 5 point calibration. data storage facility up to 1000 samples, complete with pH electrode, temperature probe, electrode stand, dust cover & instruction manual.



503

**504**

**AUTO DIGITAL pH METER (WITH STIRRER) 'LALCO'**

**13500.00**

**AUTO pH METER (WITH STIRRER)** Auto Digital pH Meter with Manual Temperature Compensation. combination pH electrode. 3½ digit LED display. Useful for pH and Redox Potential measurements. Range 0.00 - 14.00, Touch Button Calibration (Table Model)



504

## PHOTO COLORIMETERS

**507**

**DELUXE PHOTO COLORIMETER 'LALCO'**

**13800.00**

**Deluxe Photo Colorimeter** : 8 filters mains cum battery operated with inbuilt rechargeable battery. optical density in 2½ digit LED display, 1 ml solution measurement.



507 - 509

**509**

**AUTO PHOTO COLORIMETER 'LALCO'**

**13800.00**

**Auto Photo Colorimeter** : 8 filters with facility for automatic zero setting with finger touch 2½ digit LED display, highly accurate & compact.

Accessories for photo colorimeters	Price
(a) Standard glass filter (each colour)	1500.00
(b) Selenium photo cell	5200.00
(c) Test tube (set of 5)	1500.00

**510**

**DIGITAL FULLY AUTOMATIC COLORIMETER 'LALCO'**

**15500.00**

**Fully Automatic** with 9 digital filters with facility for automatic zero setting with finger touch, digital wavelength selection. inbuilt 6V Ni-Cd Re-Chargeable Battery. 1ml. solution measurement, Range 400 to 700nm, highly accurate & compact model.



510

**511**

**MICROPROCESSOR PHOTO COLORIMETER 'LALCO'**

**19000.00**

**Microprocessor** 8 fitters with facility for direct measurement of results in conc. %T & O.D. memory for storage of 3 standards to to avoid frequent use of standards. automatic zero setting facility. 1ml. solution measurement.



511

## TDS / CONDUCTIVITY METERS



514

### 514 AUTO DIGITAL CONDUCTIVITY METER 'LALCO' 13800.00

**Auto Digital Conductivity Meter:** 3½ digit LED display with facility for temperature compensation & digital cell constant adjustment along with conductivity cell & other accessories (table model).

Accessories for conductivity meters	Price
(a) Conductivity cell (cell constant 1.0)	5000.00
(b) Conductivity cell (cell constant 0.5)	7000.00



514/161

### 514/26 DELUXE CONDUCTIVITY METER 'LALCO' 15800.00

**Deluxe Conductivity Meter** 3½ digit LED display with facility for automatic temperature. Compensation & digital cell constant adjustment along with cond. cell & temperature probe (Table Model).

### 514/161 AUTO CONDUCTIVITY METER (WITH INBUILT STIRRER) 'LALCO' 15500.00

**Auto Conductivity Meter (with inbuilt Stirrer)** 3½ digit LED display with facility for temperature compensation and digital cell constant adjustment along with conductivity cell & other accessories, Auto range selection & variable stirrer speed (Table Model)



515 - 516

### 515 DIGITAL TDS / CONDUCTIVITY METER 'LALCO' 15500.00

**TDS/Conductivity Meter** 3½ digit LED display with facility for temperature compensation & digital cell constant adjustment along with conductivity cell.

### 516 AUTO DIGITAL TDS METER 'LALCO' 14500.00

**Auto Digital TDS Meter :** 3½ digit LED display with facility for temperature compensation and digital cell constant adjustment along with tds cell & other accessories (table model).



516/151

### 516/151 AUTO TDS METER (WITH INBUILT STIRRER) 'LALCO' 15500.00

**Auto TDS Meter (with inbuilt Stirrer)** 3½ digit LED Display facility temperature compensation and digital cell constant adjustment along with TDS cell & other accessories, Auto range selection & variable stirrer speed (Table Model)



517

### 517 MICROPROCESSOR CONDUCTIVITY / TDS 'LALCO' 32500.00

**Microprocessor Based Conductivity/TDS/Salinity/Temp. Meter :** with 16x2 alpha numeric LCD display showing conductivity TDS & temperature. features include auto ranging, selectable reference temp. data storage facility upto 1000 samples.



# ANALYTICAL INSTRUMENTS



## DISSOLVED OXYGEN METERS

**518** DIGITAL DISSOLVED OXYGEN METER 'LALCO' **15500.00**

Digital Dissolved Oxygen Meter : 3½ digit LED display with gold / silver probe. (table model)



518 - 520

**519** DIGITAL DISSOLVED OXYGEN METER (PORTABLE) 'LALCO' **9500.00**

Digital Dissolved Oxygen Meter : 3½ digit LCD display PORTABLE MODEL Battery Operated, ABS Plastic Body.



519

**520** DIGITAL DISSOLVED OXYGEN METER 'LALCO' **22000.00**

Digital Dissolved Oxygen Meter Cum Temperature Meter : along with gold/ silver D.O. probe and RTD temp, probe (table model)



521

Accessories for dissolved oxygen meters	Price
(a) Dissolved oxygen probe	6800.00
(b) A set of 10 DO membranes	1800.00

**521** MICROPROCESSOR D.O. METER 'LALCO' **29500.00**

Microprocessor D.O. Meter : with 16x2 alpha numeric LCD display, simultaneous display of D.O. & temperature. data storage facility upto 700 samples.



521/181

**521/181** DISSOLVED OXYGEN METER (WITH INBUILT STIRRER) 'LALCO' **16800.00**

Dissolved Oxygen Meter (With inbuilt Stirrer) 3½ Digit LED display with Gold/Silver D.O Probe, Range 0.0 to ppm. (Table Model)



522 - 523

## WATER / SOIL TESTING KITS

**522** DELUXE WATER & SOIL ANALYSIS KIT 'LALCO' **40000.00**

Digital Water & Soil Analysis Kit : 3½ digit LCD display covering 7 parameters : pH, conductivity, TDS, turbidity, D.O, salinity and temperature. rechargeable battery complete with accessories, fitted in briefcase.



524

**523** DIGITAL WATER & SOIL ANALYSIS KIT 'LALCO' **32000.00**

Water & Soil Analysis Kit : (without D.O.) 3½ digit LCD display covering 6 parameters : pH, conductivity, TDS, ORP, D.O. temperature, battery cum operated, complete with accessories, fitted in briefcase.

**524** MICROPROCESSOR WATER & SOIL ANALYSIS KIT 'LALCO' **60000.00**

Microprocessor Water & Soil Analysis Kit (7 parameters) for measurement pH. Conductivity, mv, TDS Salinity. D.O. & temperature, 16x2 Alphanumeric LCD Display, Battery cum mains operated with all accessories fitted in an briefcase. Data storage facility up to 1000 samples and external printer attachment facility available Computer interface through USB.

## SPECTROPHOTO METERS



525

### 525 SINGLE BEAM UV-VIS SPECTROPHOTOMETER 'LALCO' 230000.00

**Single Beam UV-VIS Spectrophotometer** : range 195 to 1000nm with facility for automatic concentration, % transmission and absorbance and k factor measurements. manual wavelength calibration and selection. sample holder with 4 position selector control for 10mm path length cuvettes. interface (rs 232). set of 2 quartz and 4 glass cuvettes is provided, software included.



526

### 526 DOUBLE BEAM UV-VIS SPECTROPHOTOMETER 'LALCO' 380000.00

**Double Beam UV-VIS SPECTROPHOTOMETER** : range 190 to 1100nm, fully automatic operations, automatic wavelength calibration and wavelength scan, automatic peak picking and spectrum display. large screen with graphic display. spectrum data sent to computer via USB port, software included.



527

### 527 DIGITAL SPECTROPHOTOMETER 'LALCO' 52000.00

**Digital Spectrophotometer** : range 340-960 nm with facility for automatic concentration, % transmission and absorbance measurements. wavelength resolution 1nm, 3½ digit LED display with a set of 2 cuvettes.

Accessories for spectrophotometer	Price
(a) Set of 2 cuvettes 10mm glass	2000.00
(b) Set of 2 cuvettes 10mm QUARTZ	5500.00
(c) Spare lamp 6v, 10w Halogen (Vis.)	10000.00



534

## SALINITY METERS

### 534 DIGITAL SALINITY METER 'LALCO' 13800.00

**Digital Salinity Meter** : 3½ digital LED display with salinity cell & other accessories. (table model)

Accessories for TDS / salinity meters	Price
(a) TDS cell (cell constant 1.0)	4400.00
(b) TDS cell (cell constant 0.5)	6000.00



537

## COLONY COUNTERS

### 537 DIGITAL COLONY COUNTERS 'LALCO' 10500.00

**Digital Colony Counter** : 4 digit LED display range 0-9999, with 150 memory hold & count correction facility, data, restored even after power failure

Accessories for colony counters	Price
(a) Spare pen for colony counter	1800.00
(b) Lens stand	2600.00

### 537/376 MICROPROCESSOR COLONY COUNTER 6 DIGIT LED 'LALCO' 17200.00

**Microprocessor Colony Counter 6 digit LED** display Range 0-999999. With hold and count correction facility. Data restored even after power failure.



537/376

# ANALYTICAL INSTRUMENTS



## TITRIMETERS

### 538 AUTO KARL FISHERS TITRIMETER 'LALCO' 38500.00

**Auto Karl Fisher Titrimeter** having array of LED's provided with inbuilt stirrer, auto zero burette, adjustable timer, dual platinum electrode & othe accessories.

Accessories for titrimeter	Price
(a) Dual platinum electrode	10000.00
(b) Burette clear glass (10ml.)	6000.00



538

### 539 MICROPROCESSOR K.F. TITRATOR (GRAPHICAL DISPLAY) 'LALCO' 125000.00

**Microprocessor K.F. Titrator** : with built-in magnetic stirrer, Auto computation of moisture in ppm, % age and mg H<sub>2</sub>O., Simultaneous display of results in all three units, 1000 sample storage facility with batch no., Final result are flashed on 128\*64 premium graphical LCD. Icon based Menu for easy navigation. K.F. reagent dispensing by motor.



539

## POTENTIOMETERS

### 540 DIGITAL POTENTIOMETER 'LALCO' 13200.00

**Digital Potentiometer** : for redox potential measurement display 3½ digit LED, range 0 to ± 1999 mv, resolution 1 mv, accuracy ± 0.1%, power supply 230 v ± 10% AC supplied with O.R.P electrode stand & dust cover

Accessories for potentiometers	Price
(a) pH combination electrode	2200.00
(b) Platinum electrode	3400.00
(c) Silver electrode	3400.00
(d) Reference electrode	2500.00



540

### 540/22 DIGITAL POTENTIOMETER (WITH INBUILT STIRRER) 'LALCO' 15500.00

**Digital Potentiometer (with inbuilt stirrer)** for Redox Potential Measurement, 3½ digit LED Display, Range 0 to ± 1999mv. Resolutions 1 mv Accuracy ±1%, Power supply 230V ±10%AC, Supplied with ORP Electrodes, Electrode Stand & Dust Cover.



540/22

## FLAME PHOTOMETERS

### 541 DIGITAL FLAME PHOTOMETER SINGLE CHENNEL 'LALCO' 52000.00

**Digital Flame Photometer Single Channel** : with filter (Na & K) 3vi digit LED display (PPM) along with compressor and other accessories. auto ignition, Ca & Li filter can be provided on request at extra cost.

### 542 DIGITAL CLINICAL FLAME PHOTOMETER 'LALCO' 60000.00

**Digital Clinical Flame Photometer** : dual-channel single Aspiration, with filter (Na & K) for medical use. Final Result in ppm/L 2½ digit dual LED display for simultaneous Results alongwith compres sor & accessories, auto ignition. Ca & Li filter can be provided on request at extra cost.



541 - 542

## TURBIDITY METER / NEPHELOMETER



543 - 544

**543** → **DIGITAL TURBIDITY METER 'LALCO'** **16500.00**

**Digital Turbidity Meter** : 3½ digit LED display. range up to 1000 NTU/JTU in 2 ranges

**543/340** → **PORTABLE HIGH-PRECISION TURBIDITY METER 'LALCO'** **124500.00**

**Portable High-Precision Turbidity Meter**, Minimum readout 0.001, Measuring range 0-4000 NTU in 4 ranges, Useful for Drinking Water, Surface water, circulating water and Sewage, Power - Lithium Battery, Output Micro USB, 4.3 inch colored TFT screen.



543/340

**544** → **DIGITAL NEPHELOMETER 'LALCO'** **15500.00**

**Digital Nephelometer** : 3½ digit LED display. range up to 200 NTU

## PHOTO FLUOROMETER



545

**545** → **DIGITAL PHOTO FLUOROMETER 'LALCO'** **90000.00**

**Flourometer** : measures fluorophors like vitamins, quinine & metals. supplied with 2 primary and 3 secondary filters mounted on holders. results are displayed on 3 digits 7 segment LED. sensitivity in 4 ranges.



550

**550** → **DIGITAL VISCOMETER 'LALCO'** **200000.00**

**Digital Viscometer** : it is used of measurement of viscosity of various kinds of fluids such as grease, paints, food, medicine, adhesive and cosmetic etc. it can also be used for liquids. LCD display measurement range is 20 to 2,000,000m.pas with 4 spindles. rotor speed RPM-0.3, 0.6, 1.5, 3, 6, 12, 30, 60. no. of standard spindles #1, #2, #3, #4 is standard configuration, (#0 is for option), measurement accuracy ±1.0% of range, repeatability ±0.5% with temperature RTD monitoring sensor probe, output RS 232 interface, power supply ac 220v/50hz

**555** → **FUMIGATOR / HUMIDIFIER (S.S. BODY 5 LTRS.) 'LALCO'** **30000.00**

**Aerosol disinfectant (S.S. Body)** : it instantly converts liquid formalin/disinfecting liquid, into the true aerosol particles. due to high aerodynamic stability the formalin droplets remain suspended for longer duration & thus ensure 100% sterile germ free & zero bacteria environment. a single unit can sterilize 250cu. meters. (9000 cu.ft) in just 30-60minuts. to work on 220/230 volts A.C.

**Optional** : Automatic timer 0-120 minuts

**7000.00**



555



# LABORATORY INSTRUMENTS



**558**

## DE-HUMIDIFIER 'LALCO'

**170000.00**

**De-Humidifier :** these are water condensing type based on "refrigeration cycle" to avoid use of expensive chemicals required for desiccant type models. the unit is self standing and is mounte on a sturdy angle iron frame. fitted with castor wheels. it remove excess moisture from the atmosphere & is fitted with hermetically sealed comprssor. heat exchanger and water condensing coils are made of copper. water collection tank is provided below the unit to collect condensate water. humidity is controlled by humidity controllor incorporated in the unit, upto 30% ± 3% rh, depending upon the ambient conditions. to achieve very low humidity. the room should have a independent window type air conditioner to much with the de-humidifier heat load in the room. works on 220/230 volt A.C. capacity 1.5 tons.



558

Cat. No.	Specification	Price
558/1	<b>De-humidifier :</b> specification as per cat. no. 558 but fitted with digital humidity indicator cum controllor in lieu of analog controllor	<b>198000.00</b>
558/2	<b>De-humidifier :</b> specification as per cat. no. 558 but outer & inner made of stainless steel (gmp model) fitted with digital humidity indicator cum controllor in lieu of analog controllor	<b>350000.00</b>
<b>Optional :</b> Automatic voltage stabilizer (recomended)		<b>16700.00</b>

**565**

## AIR CURTAINS 'LALCO'

Cat. No.	Door Width	Price/Pcs.
565/01	3 Foot	<b>35000.00</b>
565/02	4 Foot	<b>37000.00</b>
565/03	5 Foot	<b>54000.00</b>



565

## SILICON & RUBBERWARE



595

**595** SILICON FLASK STAND 'LALCO' **3600.00**

**596** SILICON POLICEMAN 'LALCO' **130.00**

**597** SILICON SPREADER 'LALCO' **130.00**

**598** SILICON WASHER FOR BURETTE 'LALCO' **10.00**

## 600 SILICON RUBBER TUBING 'LALCO'



600

Cat. No.	Inner Dia ± 0.5 mm	Wall ± 0.5 mm	Outer Dia ± 0.5 mm	Price Per Mtr. in Rs.
600/01	1	1	3	86.00
600/02	2	1	4	110.00
600/03	3	1	5	115.00
600/04	3	1.5	6	185.00
600/05	4	1	6	185.00
600/06	4	1.5	7	215.00
600/07	4	2	8	310.00
600/08	5	1	7	215.00
600/09	5	1.5	8	282.00
600/10	6	1	8	282.00
600/11	6	1.5	9	340.00
600/12	6	2	10	430.00
600/13	6	3	12	675.00
600/14	7	1.5	10	385.00
600/15	7	2	11	460.00
600/16	7	3.5	14	770.00
600/17	8	1.5	11	416.00
600/18	8	2	12	490.00
600/19	8	3	14	726.00
600/20	9	2	13	600.00
600/21	10	2	14	675.00
600/22	10	3	16	1026.00
600/23	12	2	16	726.00
600/24	12	3.5	19	1265.00
600/25	14	3	20	1365.00
600/26	15	4	23	1960.00
600/27	16	3	22	1655.00
600/28	25	3	31	2530.00

\*Available in 10 meter coils.

# LABORATORY RUBBERWARE



## 601 SILICONE PLATINUM CURED TUBING 'LALCO'

Cat. No.	Inner Dia ± 0.5 mm	Wall ± 0.5 mm	Outer Dia ± 0.5 mm	Price/Per Meter
601/01	3	1.5	6	240.00
601/02	4	1.5	7	300.00
601/03	5	1.5	8	375.00
601/04	6	1.5	9	475.00
601/05	6	2	10	525.00
601/06	7	1.5	10	500.00
601/07	7	2	11	625.00
601/08	8	1.5	11	550.00
601/09	8	2	12	625.00
601/10	9	2	13	775.00
601/11	10	2	14	880.00
601/12	12	2	16	1000.00

\*Available in 10 meter coils.



601

## 602 PRESSURE TUBING GREEN 'LALCO'

Cat. No.	Inner Dia ± 0.5 mm	Wall ± 0.5 mm	Outer Dia ± 0.5 mm	Price Per Mtr. in Rs.
602/01	6.4	3.2	12.8	196.00



602

## 603 SILICON RUBBER CORKS 'LALCO'

Cat. No.	No.	Bottom ± 0.5 mm	Top ± 0.5 mm	Height ± 0.5 mm	Price/Pcs.
603/01	5	5	7	16	25.00
603/02	6	6	8	16	26.00
603/03	8	8	10.5	20	27.00
603/04	9	9	11.5	20	28.00
603/05	11	11	14	24	43.00
603/06	13	13	16	24	55.00
603/07	15	15	28	24	70.00
603/08	17	17	20	26	85.00
603/09	18	18	21	26	97.00
603/10	19	19	22.5	28	112.00
603/11	21	21	24.5	28	140.00
603/12	23	23	25.5	28	168.00
603/13	25	25	28.5	28	198.00
603/14	27	27	31	32	230.00
603/15	29	29	33	32	297.00
603/16	31	31	36	35	384.00
603/17	33	33	38.5	38.5	489.00
603/18	35	35	40.5	38.5	564.00
603/19	37	37	42.5	38.5	645.00
603/20	39	39	44.5	38.5	700.00
603/21	41	41	47	42	750.00
603/22	43	43	49	42	760.00
603/23	45	45	51	42	840.00
603/24	49	49	55	52	1065.00



603



604

## 604 LABORATORY RUBBER TUBING 'LALCO'

Cat. No.	Bore $\pm$ 0.5 mm	Wall $\pm$ 0.5 mm	Extrasoft Per 10 Mtr. In Rs.
604/01	4	1	344.00
604/02	5	1.5	430.00
604/03	6	1.5	540.00
604/04	7	1.5	632.00
604/05	8	1.5	720.00
604/06	9	2	870.00
604/07	10	2	1060.00
604/08	12	2	1200.00



605

## 605 RUBBER SEPTA WITH TURN OVER FLANGE (PLAIN/SERRATED) 'LALCO'

Cat. No.	Size	Price/Pcs. (Natural Rubber)	Price/Pcs. (Silicon Rubber)
605/01	12mm	29.00	62.00
605/02	15mm	35.00	83.00
605/03	18mm	47.00	113.00
605/04	25mm	57.00	143.00
605/05	B14	48.00	113.00
605/06	B19	62.00	168.00
605/07	B24	76.00	195.00
605/08	B29	95.00	293.00



606

## 606 ORDINARY PRESSURE RUBBER TUBING 'LALCO'

Cat. No.	Bore $\pm$ 0.5 mm	Wall $\pm$ 0.5 mm	Price/Pcs. 10 Mtr. in Rs.
606/01	3	3	620.00
606/02	5	3	740.00
606/03	6	3	920.00
606/04	8	3	1100.00
606/05	9	3	1230.00
606/06	10	4	1750.00
606/07	12	4	2600.00



607

## 607 LABORATORY HIGH PRESSURE RUBBER TUBING 'LALCO'

Cat. No.	Bore $\pm$ 0.5 mm	Wall $\pm$ 0.5 mm	Price/Pcs. 10 Mtr. in Rs.
607/01	3	5	980.00
607/02	5	5	1150.00
607/03	6	5	1340.00
607/04	8	5	1650.00
607/05	9	5	1824.00
607/06	10	6	2880.00
607/07	12	6	3020.00



# LABORATORY RUBBERWARE



## 608 LABORATORY RUBBER CORKS 'LALCO'

Cat. No.	No.	Bottom ± 0.5 mm	Top ± 0.5 mm	Height ± 0.5 mm	Price Per 100 Pcs.
608/01	000	6	9	16	310.00
608/02	00	8	10.5	20	320.00
608/03	0	9	13	15.5	340.00
608/04	1	11	14	18.5	422.00
608/05	2	13	16	20	500.00
608/06	3	14	19	21	618.00
608/07	4	15	21	22	690.00
608/08	5	17.5	22.5	23	770.00
608/09	6	20	24.5	24	1080.00
608/10	7	20	26	27.5	1220.00
608/11	8	21	26.5	27.5	1400.00
608/12	9	21.5	28	31	1780.00
608/13	10	26	30	33	2180.00
608/14	11	29	33	32	2500.00
608/15	12	30	34.5	34.5	2770.00
608/16	13	31	38.5	37	3850.00
608/17	14	32	41.5	42.5	4290.00
608/18	15	38	42	40.5	5690.00
608/19	16	35	45	36.5	5790.00
608/20	17	40	49.5	40.5	6790.00
608/21	18	48	43.5	33.5	8190.00
608/22	19	44	58	45	9600.00
608/23	20	51	60	56.5	13650.00
608/24	21	47	62	40	18200.00
608/25	22	51	65	40	19950.00
608/26	23	68	74	42	22000.00

One Hole Rs. 1.00 & Two Hole Rs. 2.00 Extra Charges (non Discount)



608

## 609 BLOOD PRESSURE TUBE GREEN SUPERIOR 'LALCO'

Cat. No.	Inner Dia ± 0.5 mm	Wall ± 0.5 mm	Outer Dia ± 0.5 mm	Price/Pcs.
609/01	3	2.5	8	130.00



610

## 610 RUBBER CONE FOR FILTRATION FLASK 'LALCO'

Cat. No.	Size	Price/Pcs. (Natural Rubber)	Price/Pcs. (Silicon Rubber)
610/01	250 / 500 ml	118.00	580.00
610/02	1000 / 2000 ml	200.00	1050.00
610/03	5 Ltr.	246.00	1310.00
610/04	10 Ltr.	470.00	1760.00



611

## 611 RUBBER CONE (GUKO) (SET OF 7PC) 'LALCO'

Cat. No.	Rubber Type	Price/Pcs.
611/01	Natural Rubber	422.00
611/02	Silicon Rubber	1680.00



612



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618

## 612 RUBBER BULBS 'LALCO'

Cat. No.	Size (Approx Capacity)	Price/Pcs. (Natural Rubber)	Price/Pcs. (Silicon Rubber)
612/01	Small (5ml)	30.00	90.00
612/02	Medium (10)	32.00	120.00
612/03	Large (15ml)	40.00	146.00
612/04	Extra Large (20ml)	44.00	170.00
612/05	Oval (25ml)	72.00	312.00
612/06	Super Large (50ml)	120.00	615.00
612/07	Extra Super Large (100ml)	212.00	790.00

Rubber Bellow with Cotton Net Rs. **250.00** Per Pc in Rs.

## 613 RUBBER TEATS 'LALCO'

Cat. No.	Size (Approx Capacity)	Rubber Type	Price Per 100 Pcs.
613/01	1ml (Conical)	Natural Rubber	730.00
613/02	2ml (Conical)	Natural Rubber	2070.00
613/03	1ml (Conical)	Silicon Rubber	3170.00
613/04	2ml (Conical)	Silicon Rubber	4170.00
613/05	Small	Latex Rubber	1170.00
613/06	Big	Latex Rubber	1840.00

## 614 ATOMIZER BULB 'LALCO'

Cat. No.	Size	Price/Pcs.
614/01	Small	126.00
614/02	Big	180.00

## 615 PIPETTE FILLER 'LALCO'

Cat. No.	Rubber Type	Price/Pcs.
615/01	Natural Rubber	160.00
615/02	Silicon Rubber	440.00

## 616 SILICONE CORK FOR FILTRATION APPARATUS 'LALCO'

Cat. No.	Size	Price/Pcs.
616/01	Small	235.00
616/02	Big	340.00

## 617 VACUUM TUBE 'LALCO'

Cat. No.	Size	Price/Pcs.
617/01	6mm	1260.00
617/02	8mm	1440.00

## 618 LAB RUBBER SHEET 'LALCO'

Cat. No.	Rubber Type	Price/Pcs.
618/01	Natural Rubber 9.5"x9.5"x2.7mm	234.00
618/02	Silicon Rubber 9.5"x9.5"x2.7mm	1900.00

# LABORATORY RUBBERWARE



## 619 LAB RUBBER MAT 'LALCO'

Cat. No.	Rubber Type	Price/Pcs.
619/01	Natural Rubber 12"x12"	3000.00
619/02	Silicon Rubber 12"x12"	7125.00



619

## 621 CRUCIBLE CONES 'LALCO'

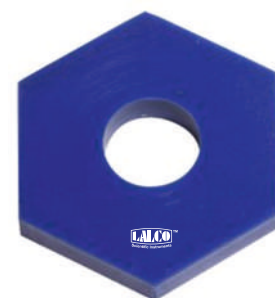
Cat. No.	Size	Price/Pcs.
621/01	30ml	37.00
621/02	50ml	54.00



621

## 622 SILICONE RIDER FOR VOLUMETRIC FLASK 'LALCO'

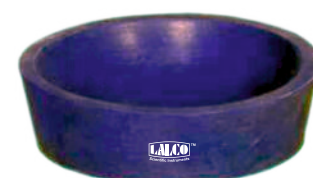
Cat. No.	Size	Capacity	Price/Pcs.
622/01	1	5ml to 25ml	55.00
622/02	2	50ml	70.00
622/03	3	100ml to 250ml	126.00
622/04	4	500ml	310.00
622/05	5	1 Ltr.	495.00



622

## 623 RUBBER BASE FOR RBF FLASK 'LALCO'

Cat. No.	Capacity	Price/Pcs. (Natural Rubber)	Price/Pcs. (Silicon Rubber)
623/01	25ml	68.00	240.00
623/02	50ml	88.00	270.00
623/03	100ml	128.00	375.00
623/04	250ml	184.00	570.00
623/05	500ml	360.00	1050.00
623/06	1 Ltr.	750.00	2200.00
623/07	2 Ltr.	1300.00	4650.00



623

## 624 SILICONE WEIGHT RINGS 'LALCO'

Cat. No.	Size	Price/Pcs.
624/01	Small	1050.00
624/02	Big	1375.00



624

## 625 LATEX BLADDER FOR GAS SAMPLING 'LALCO'

Cat. No.	Size	Price/Pcs.
625/02	No. 5	270.00
625/04	Double Nozzle	310.00



625

## 650

## MICROSCOPES 'LALCO'



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Cat. No.	Specification	Price						
650	<b>Student Microscope</b> : with two eye piece 10x,15x, & two objectives 10x, 45x with fixed condenser	<b>5000.00</b>						
651	<b>Juiner Medical Microscope</b> : with moveable condenser with two eye piece 10x,15x, & two objectives 10x, 45x	<b>5500.00</b>						
652	<b>Medical Microscope</b> : with two eye piece 10x, 15x & three objective 10x, 45x, 100x Oil immersion with mechanical stage	<b>9500.00</b>						
653	<b>Binocular Microscope</b> : with two paired eye piece with four objective 4x, 10x, 45x, 100x Oil immersion with mechanical stage with halogen lamp	<b>17500.00</b>						
654	<b>Stereo Microscope</b> : with two objective 2x, 4x with two eye piece 10x, 15x	<b>14500.00</b>						
655	<b>Dissecting Microscope</b>	<b>2100.00</b>						
656	<b>Projection Microscope</b> : with 6" dome in wooden box	<b>15500.00</b>						
657	<b>Microscope Eye Piece</b> : 10x or 15x	<b>330.00</b>						
658	<b>Microscope Objective</b>	<table border="1"> <tr> <td>10x</td> <td>45x</td> <td>100x</td> </tr> <tr> <td><b>550.00</b></td> <td><b>700.00</b></td> <td><b>1500.00</b></td> </tr> </table>	10x	45x	100x	<b>550.00</b>	<b>700.00</b>	<b>1500.00</b>
10x	45x	100x						
<b>550.00</b>	<b>700.00</b>	<b>1500.00</b>						
659	<b>Microscope Reflector</b> : (Mirror) with ARC	<b>140.00</b>						
660	<b>Travelling Microscope</b> : with horizontal scale 17cms & vertical 15cms S.S. scale & vernier reading 0.01mm with objectives & 10x eye piece packed in wooden case	<b>14800.00</b>						



658



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## 670

## DYNAMIC PASS BOX 'LALCO'

**Dynamic Pass Box** equipment are made of high grades stainless steel 304 with international quality standard components including electrically interlocked doors and UV light. These dynamic pass box equipment are equipped with suction filter made of stainless steel with Pre filter (95% down to 5 micron) efficiency and supply filter made of aluminum with 99.999% down to 0.01 %. Two side doors with Glass window, SS handles & SS hinges. An interlock guard system controls the inlet and the outlet of PASS BOX not be opened at the same time, in order to prevent the cross contamination.

Cat. No.	Internal Size HxWxD (mm)	Price
670/01	450x450x450	<b>158000.00</b>
670/02	600x600x600	<b>180000.00</b>



# LABORATORY INSTRUMENTS



## 671 STATIC PASS BOX 'LALCO'

**static pass box** equipment, fabricated with SS 304. Provided with UV light along with hour meter, Fluorescent light buzzer indicator. Two side doors with Glass window, SS handles & SS hinges. These static pass boxes provide excellent working performance in the clean room unit

Cat. No.	Internal Size HxWxD (mm)	Price
671/01	300x300x300	90000.00
671/02	450x450x450	108000.00
671/03	600x600x600	128000.00



671

## 672 REVERSE LEMINAR AIR FLOW (DISPENSING & SAMPLING BOOTH) 'LALCO' 600000.00

Dispensing booth is a kind of laminar flow filtration cabin which is employed in dispensing, sampling and weighing of powders and chemicals in pharma, biotech and chemical industries. Such units work on reverse laminar flow working principle and provide protection to operators, products / samples and surrounding environment. Dispensing booth is usually made of stainless steel and equipped with three stage filtration (10p Pre-filter, 31 Op Intermediate and 0.31 Op HEPA Filter) with the help of motor blower assembly. In order to measure the pressure of HEPA filter, magnehelic gauges are fitted. Pre-filters are washable.

### Technical Specification:

- 1.Type: Re-circulated type or exhaust type.
2. Pressure Drop: Pressure static manometer/magnehelic gauge provided.
3. Controller: Motor ON/OFF indications.
4. Light: Light and additional 15/5 Amp. socket provided in the booth.
5. Body Structure: S.S. Double skin wall and filter in aluminum frame structure.
6. Filtration Assembly: Miniplate HEPA filter in supply and finefilter in return air. Customized SIZES available



672

## LAMINAR AIR FLOW CABINET

### 700 LAMINAR AIR FLOW CABINET 'LALCO'

**Laminar Air Flow Cabinet** : supplied with S.S. table top, hepa filter, pre filter, U.V. light, static pressure manometer acrylic, gas cock or vaccum line, front door, safety grills four hepa filter & pre filter.

Cat. No.	Size	Wooden Horizontal	Wooden Vertical	M.S. P.C. Horizontal	M.S. P.C. Vertical
700/01	2'x2'x2'	60000.00	66000.00	90000.00	106000.00
700/02	3'x2'x2'	70000.00	78000.00	105000.00	137000.00
700/03	4'x2'x2'	90000.00	88000.00	132000.00	160000.00
700/04	6'x2'x2'	105000.00	132000.00	207000.00	215000.00



700 - 701

### 701 LAMINAR AIR FLOW CABINET COMPLETE S.S. (G.M.P.) MODEL 'LALCO'

**Laminar Air Flow Cabinet** : specification same as cat. no. 700 but complete S.S. (G.M.P.)

Cat. No.	Size	S.S. Horizontal	S.S. Vertical
701/01	2'x2'x2'	115000.00	155000.00
701/02	3'x2'x2'	140000.00	175000.00
701/03	4'x2'x2'	160000.00	197000.00
701/04	6'x2'x2'	262000.00	290000.00



# ENVIRONMENTAL



## 702 SPARE HEPA FILTER 'LALCO'

<b>Size</b>	2'x2'x2'	3'x2'x2'	4'x2'x2'
<b>Price/Pcs.</b>	14500.00	21300.00	28000.00

## 703 SPARE PRE FILTER 'LALCO'

<b>Size</b>	60x60x5cm	90x60x5cm
<b>Price/Pcs.</b>	4200.00	6250.00

## 704 EXHAUST SYSTEM FOR LAMINAR AIR FLOW VERTICAL 'LALCO' 23900.00

<b>Spairs :</b> 1. Gas cock	550.00
2. Mgnehelic Manometer	11500.00
3. Static pressure menometer (acrylic, block type)	3000.00

## 706 BIO SAFETY CABINET 'LALCO'

**Bio Safety Cabinet :** supplied with S.S. table top, hepa filter, pre filter, U.V. light, gascock, front acrylic door, (asper class II)

Cat. No.	Size	Wooden	M.S.	S.S.
706/01	3'x2'x2'	105000.00	150000.00	198000.00
706/02	4'x2'x2'	126000.00	185000.00	242000.00
706/03	6'x2'x2'	170000.00	250000.00	300000.00



706

## 707 FUME HOOD (WOODEN) 'LALCO'

Cat. No.	Size	Price/Pcs.
707/01	3'x2'x2'	120000.00
707/02	4'x2'x2'	142000.00
707/03	5'x2½'x2½'	195000.00



707 - 708

## 708 FUME HOOD (MILD STEEL, POWDER COATED) 'LALCO'

Cat. No.	Size	Price/Pcs.
708/01	3'x2'x2'	155000.00
708/02	4'x2'x2'	190000.00
708/03	5'x2½'x2½'	225000.00

## 709 FUME HOOD (STAINLESS STEEL) G.M.P. 'LALCO'

Cat. No.	Size	Price/Pcs.
709/01	3'x2'x2'	195000.00
709/02	4'x2'x2'	232000.00
709/03	5'x2½'x2½'	340000.00
<b>Optional :</b> 1. Exhaust duct (rugged PVC) dia 3"		3500.00 / Running feet
2. Exhaust duct (rugged PVC) dia 4"		4800.00 / Running feet
3. Installation charges upto 200 km		Net 10000.00



709



710

## 710 TISSUE CULTURE RACK 'LALCO'

Cat. No.	Size	Shelves	Price/Pcs.
710/01	125x60x152cm	4	72000.00
710/02	125x60x192cm	5	88000.00
710/03	125x60x232cm	6	107000.00
<b>Optional:</b> Timer			5200.00



L68-DCT

## L68-DCT ROTARY EVAPORATOR 'LALCO' 90000.00

This model of evaporator is supplied complete with geared drive non sparking noiseless motor offering smooth speed control by analog knob upto 200rpm, jack arrangement is fitted on tapered front base for positioning glass assembly, double walled water bath thermostatically controlled temp., glass condenser double coiled with three opening for vacuum and cooling, pear (kjeldhal) shaped evaporating flask capacity 800ml., receiver flask capacity one litre fitted with a ball joint, feeding tube and vapour path tube provided with a seal, clips and spring a complete working unit.

## L69-DCD ROTARY EVAPORATOR 'LALCO' 102000.00

This model of evaporator is supplied complete with geared drive non sparking noiseless motor offering smooth speed control by analog knob upto 200rpm, jack arrangement is fitted on tapered front base for positioning glass assembly, double walled water bath with digital temperature controller., glass condenser double coiled with three opening for vacuum and cooling, pear (kjeldhal) shaped evaporating flask capacity 800ml., receiver flask capacity one litre fitted with a ball joint, feeding tube and vapour path tube provided with a seal, clips and spring a complete working unit.



L69-DCD

## L70 ROTARY EVAPORATOR WITH AUTO LIFT (USB) 'LALCO' 310000.00

Automatic Digital Rotary Evaporator with auto lift, Vertical /Horizontal glass assembly. Capacity -1-2 ltr/hr with Colored TFT 4.3 "Touch Screen control, RPM-20-280, Timer Up to 99:99 hh:mm, Temperature - ambient to 180 C, Brushless DC motor with drive, Water bath with PID Microprocessor temperature controlling, Alarm on any error in system, Data logging, USB interface. (with Free PC software)

## L71 ROTARY EVAPORATOR WITH AUTO LIFT 'LALCO' 180000.00

Automatic Digital Rotary Evaporator with auto lift, Vertical /Horizontal glass assembly. Capacity -1-2 ltr/hr with Graphical LCD display 128x64, RPM-20-280, Timer Up to 99:99 hh:mm, Temperature - ambient to 180 C, Brushless DC motor with drive, Water bath with PID microprocessor temperature controlling, Alarm on any error in system.



L710

## L710 WATER REFRIGERATED CIRCULATOR CHILLER 'LALCO'

**Water Refrigerated Circulator Chiller :** body mounted on a sturdy angle frame with inner chamber S.S. cooling from +0d c to below ambient. tank cap. 12ltr. as per requirement. temp, is controlled by pid controller. the hollow spacebetween the inner chamber and outer wall is field with high grade insulation to prevent loss of temp, instrument consisting of sealed isi marked reputed make compressor for minimum noise level and smooth operation (stabilizer recommended)

Cat. No.	Cap. Ltrs	Price/Pcs.
L710/01	10	102000.00



# PHARMACY INSTRUMENTS



**720 AMPOULE CLARITY TEST EQUIPMENT 'LALCO' 6500.00**



720

**721 AMPOULE FILLING & SEALING DEVICE 'LALCO' 15600.00**

Syringe type motor driven giving ten ampoules per minutes. automatic intake & outflow of fluid. consist of glass fusing burner for lpg with foot below & rubber tubing.



721

**722 AMPOULE WASHING DEVICE 'LALCO' 6500.00**

Six jet nozzles & pan made of s.s. spring loaded ampoule holding arrangement for various size of ampoules & tap to connect water from outside.



722

**723 ANALGESIOMETER 'LALCO'**

Cat. No.	Product Name	Price/Pcs.
723/01	Radiant Heat type or tail Flick type	10500.00
723/02	Eddy's Hot Plate	16800.00

**724 BALL MILL (ELECTRICALLY OPERATED) 'LALCO'**

Having steel balls of different sizes to be put in jar for mixing & grinding powder. (S.S. jar)

Cat. No.	Product Name	Price/Pcs.
724/01	Cap 1 Kg	13000.00
724/02	Cap 2 Kg	14200.00



723

724

**725 BOTTLE SEALING MACHINE (HAND OPERATED) 'LALCO' 35000.00**

**726 BOTTLE WASHING MACHINE 'LALCO'**

Cat. No.	Product Name	Price/Pcs.
726/01	Table Top Model	24000.00
726/02	Floor Standing Model	47000.00



725

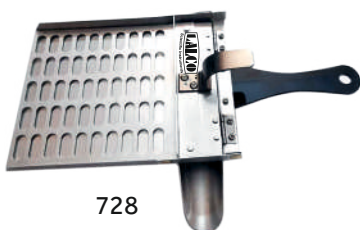
726

**727 BULK DENSITY APPARATUS MOTOR 1/6HP, CYLINDER CAP. 50ML 'LALCO'**

Cat. No.	Product Name	Price/Pcs.
727/01	Analog	15500.00
727/02	With Digital Counter & Timer	32000.00



727



728

**728** CAPSULE COUNTER (ALUMINIUM) 50 PLACES 'LALCO' **1550.00**



729

**729** POLE CLIMBING APPARATUS (COOK'S) 'LALCO' **30000.00**

Outer chamber made of thick plywood with observation window & inner made of acrylic sheet, with brass C.P. bars at bottom. a shock for controlled duration of 200V AC 50Hz single phase 0.2 ma is built in & controlled by solid state timer.



730

731

**730** CAPSULE FILLING MACHINE 'LALCO' **57000.00**

(All contact parts made of SS)  
A versatile lever operated semi automatic machine for various operations.  
(i) Plates for putting of capsules. (ii) removal of caps  
(iii) Filling of powder by dispensing brush, pressing  
(iv) Ejection of 100 capsules of 0,00,1, 2, or 3 any one size on order)

**731** COLLAPSIBLE TUBE FILLING MACHINE (HAND OPERATED) 'LALCO' **15500.00**

Stroke type, barrel and piston arrangement with stroke setting for various capacity of filling tubes detachable nozzles provided for each separate capacity. all contact parts are brass. built on cast iron body. cap. 5gm to 50gm

**732** CONICAL PERCOLATOR (S.S. JAR ON STAND) 'LALCO' **1180.00**

**733** ELECTRO CONVULSIOMETER 'LALCO' **15600.00**

Provides 50Hz stimulus current adjustable from 0.15 to 330mA in discrete steps for producing minimal and super maximal seizures required in study of anticonvulsant and epileptic drugs



732

733

**734** ELECTRONIC STIMULATOR (0- 30V) 'LALCO' **4950.00**

**735** DISINTEGRATION TEST UNIT 'LALCO'



734

735

Cat. No.	Product Name	Price/Pcs.
735/01	Single Basket (Analog)	13000.00
735/02	Double Basket (Analog)	17000.00
735/03	Double Basket (Digital) Timer & Temp.	36000.00
735/04	Single Basket (Digital) Timer & Temp.	31000.00

**735/731** MICROPROCESSOR DISINTEGRATION TEST APPARATUS (2 BASKET) 'LALCO' **85900.00**

**Microprocessor Disintegration Test Apparatus (2 Basket)** with 20 x 4 line alphanumeric LCD Display, 20 Setups storage facility, 1000 samples storage facility, Dual temperature sensor control of Water bath and Beaker and USB interface for computer connection available.

Accessories on Demand	Price/Pcs.
Basket assembly complete with six tubes & discs	17000.00
PT 100 Temp probe for vessel	8500.00
Temperature probe for water tank	8500.00



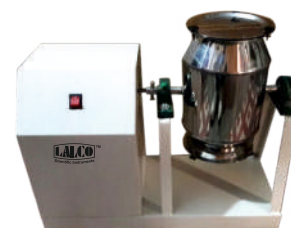
735/731

# PHARMACY INSTRUMENTS



## 736 DOUBLE CONE BLENDER 'LALCO'

Cat. No.	Product Name	Price/Pcs.
736/01	5kg Cap.	42000.00
736/02	10kg Cap.	76000.00



736

## 739 HAND GRINDING MILL 'LALCO' 3200.00

## 740 BLOOD COLLECTION VIALS (VACUTAINER) PLAIN/EDTA 'LALCO'

Cat. No.	Product Name	Price/Pcs.
740/01	Non Vacuum Vials (Pk of 100)	700.00
740/02	Vacuum Vials (Pk of 100)	1440.00

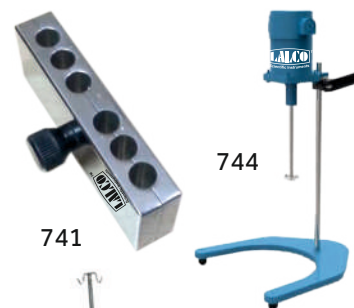


739

740

## 741 LIPSTICK MOULD 'LALCO'

Cat. No.	Product Name	Price/Pcs.
741/01	4 Hole	1450.00
741/02	6 Hole	2200.00
741/03	12 Hole	4800.00



741

744

## 742 LIQUID / BOTTLE FILLING MACHINE 'LALCO' 29000.00

## 743 LUCAS MOIST CHAMBER 'LALCO' 2050.00

## 744 MECHANICAL AGITATOR (PROPELLER TYPE) 'LALCO' 9700.00

## 746 OPERATION TABLE (SMALL) 30X30CMS. S.S. TOP 'LALCO' 9300.00

## 747 PERMEABILITY CUP (S.S 304) 120MM DIA 'LALCO' 2500.00

## 748 PHASE CONTRAST WITH BINOCULAR MICROSCOPE 'LALCO' 149000.00

## 749 PLETHYSMOGRAPH 'LALCO' 2480.00

## 750 POLISHING PAN INNER DIA 12 X8" HIGH WITH OPENING OF 7" DIA NECK. 'LALCO' 5700.00

For use with coating pan. made of m.s. & provided with inner lining of superior canvas cloth.



746



747



748



750



751

## 751 RABBIT CAGE SIZE 18" X 18" X14" 'LALCO' 7500.00

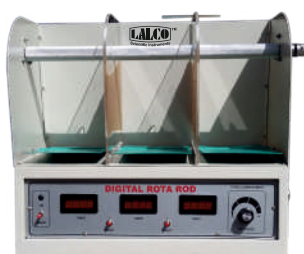
With heavy gauge mesh mounted in a frame of M.S. angle with door in front. 1" deep tray of G.I. sheet is provided which slides in an angle to the sides of the cage and is removable for cleaning.



752

## 752 RABBIT HOLDER (SIZE: 17" X 6" X 6") BOX TYPE 'LALCO' 3700.00

Wooden glass front, top lid opening air window, pushing system & neck holding clamp provided.



753

## 753 ROTA ROD WITH DIGITAL TIMER 'LALCO'

Cat. No.	Product Name	Price/Pcs.
753/01	Four Compartment	26000.00
753/02	Three Compartment	23000.00
753/03	Two Compartment	21000.00
753/04	Optional:- Digital RPM Meter	9000.00



754

## 754 PROBE SONICATOR DIGITAL 'LALCO' 385000.00

**Digital Probe Sonicator** Frequency tracking- automatic tracking, power and amplitude adjust- 0-100%, Sonotrode frequency- 20KHz, Operation panel display- time setting working data, working mode- 1s - 99 hours with pause function continuous working, Generator protection- Built-in circuit; Over loading, over temperature, anti-short-circuit; soft start, Rated power- 250w, Input voltage- 110V/220v-240v, Input frequency- 50Hz-60Hz, Output power- <250w, Max temperature of sonotrode- 100°C, Max pressure- 5Mpa, Treatment capacity of liquid- < 10L/H



755

## 755 SMOKING STAND 'LALCO' 5000.00



756

## 756 SUPPOSITORY MOULD (BRASS) 'LALCO'

Cat. No.	Product Name	Price/Pcs.
756/01	4 Hole, 1gm	720.00
756/02	6 Hole, 1gm	820.00
756/03	4 Hole, 1.5gm	1050.00
756/04	6 Hole, 1.5gm	1450.00
756/05	12 Hole, 1gm	3850.00



757/01

757/02

## 757 TABLET MAKING MACHINE (PUNCHING MACHINE) 'LALCO'

**Single Punch** for making tablets up to 1000 mg as per size of die & punch 6, 9 & 12 mm (any one). automatic compression & ejection device with each revolution of the wheel drive. built on heavy cast iron body with eccentric pressure system. stainless steel hopper provided & connected by a rubber tube. easy setting for thickness & hardness of tablets with lock nuts. die & set of punches are chromium steel.

Cat. No.	Product Name	Price/Pcs.
757/01	Hand Operated	59500.00
757/02	Electrically Operated	110000.00



# PHARMACY INSTRUMENTS



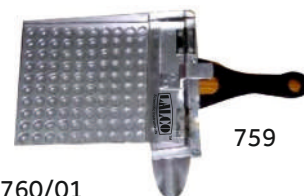
## 758 TABLET COATING PAN 'LALCO' 29700.00

12" dia stainless steel, the machine worked by oil immersed gearbox, with F.H. motor drive. air blower is operated independently & air is thermostatically controlled to give temperature 30 to 110 degrees. switches for motor, blower, heater and thermostat are fixed on a panel with neon indicators. also mains lead with 15 amps plug provided.



758

## 759 TABLET COUNTER SUITABLE FOR 50 TABLET 'LALCO' 1500.00



759

## 761 TABLET HARDNESS TESTER 'LALCO'

Cat. No.	Product Name	Price/Pcs.
761/01	Monsanto type	3200.00
761/02	Pfizer Type	9300.00

760/01



761/02

## 761/780 DIGITAL TABLET HARDNESS TESTER 'LALCO' 135000.00



761/780

## 762 TELE THERMOMETER 'LALCO'

Cat. No.	Product Name	Price/Pcs.
762/01	With Single Probe	10600.00
762/02	With 6 Probe	13000.00



762

## 763 TINCHER PRESS (1 LTR.) CONTACT PARTS MADE OF S.S. 'LALCO' 5950.00



763

## 764 COLLAPSIBLE TUBE (CRIMPING & SEALING MACHINE) 'LALCO' 5950.00

764

## 765 VOLUME RECORDER 'LALCO' 2500.00



766

## 766 X- BLOCK (OPEN) 'LALCO' 430.00

## 767 WATER DEIONIZATION UNIT (DEIONISER) 'LALCO' 44600.00

Capacity 50 ltr/hr, consists of two plastic column charged with high exchange capacity cation & anion resins. conductivity meter provided

## 768 ELECTRICAL KYMOGRAPH RECORDING DRUM (8 SPEED) 'LALCO' 16000.00

Cat. No.	General Accessories For Kymograph	Price/Pcs.
768/01	Adjustable Stand	740.00
768/02	Drum Paper Clip	250.00
768/03	Myograph Lever	640.00
768/04	Frog Board	640.00
768/05	Frog Muscle Chamber	2000.00
768/06	Frog Heart Chamber	2000.00
768/07	Induction coil Dubois Reymond	5700.00



767



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Cat. No.	Product Name	Price/Pcs.
768/08	Dubois key	1550.00
768/09	Muscle Holder or Feemur Clamp	745.00
768/10	Simple Electrode	250.00
768/11	Tuning Fork N-100	500.00
768/12	Glazed Paper Sheet (100 sheets)	645.00
768/13	Starling Heart Lever	570.00
768/14	Brodie Universal Lever	745.00
768/15	Marry Tambour, 28mm	1110.00
768/16	Artery Forceps	645.00
768/17	Frogs Pithing Needle	130.00
768/18	Muscle Electrode	745.00
768/19	Heart Clip, S.S.	250.00
768/20	Aerator	745.00
768/21	Frontal Writing Lever	175.00
768/22	Simple Lever	325.00

**769 METABOLIC CAGE FOR RAT 'LALCO' 14900.00**

**770 STETHOGRAPH 'LALCO' 1980.00**

## PATHOLOGY

**772 BABY SCALE 10KG 'LALCO' 2600.00**

Cat. No.	Product Name	Price/Pcs.
772/01	BABY SCALE (Digital) Superior	7700.00

**773 BLOOD CELL COUNTER (SUPERIOR) 'LALCO'**

Cat. No.	Product Name	Price/Pcs.
773/01	5 Key	2300.00
773/02	8 Key	2600.00

**774 BLOOD LANCET, IMPORTED (PK. OF 100) 'LALCO' 300.00**

**775 CLINICAL THERMOMETER (MERCURIAL) 'LALCO' 150.00**

**776 DIGITAL CLINICAL THERMOMETER (IMPORTED) 'LALCO' 200.00**

# PATHOLOGY INSTRUMENTS



## 778 COUNTING CHAMBER (NEUBAR) 'LALCO'

Cat. No.	Product Name	Price/Pcs.
778/01	Routine Quality	1930.00
778/02	Superior Quality	2730.00



778

## 779 DISPOSABLE LATEX GLOVE (PK OF 100) 'LALCO' 1050.00

## 780 MASK DISPOSABLE (PK OF 100) 'LALCO' 360.00

## 781 E.S.R TUBE INDIAN MAKE (BOROSILICATE GLASS) 'LALCO' 35.00

Cat. No.	Product Name	Price/Pcs.
781/01	E.S.R STAND, 6 Hole	370.00



779

## 782 EYE TRIAL LENS SET 'LALCO' 16000.00

## 783 HAEMOCYTOMETER COMPLETE SET (IN PLASTIC BOX) 'LALCO'

Includes Counting chamber with RBC & WBC Tubes

Cat. No.	Product Name	Price/Pcs.
783/01	Ordinary Quality	1090.00
783/02	German (HBG Make)	2900.00
783/03	Heamocytometer Empty Plastic Box	160.00



780

## 784 HAEMOMETER / HAEMOGLOBINOMETER (H.B. METER) 'LALCO'

Cat. No.	Product Name	Price/Pcs.
784/01	INDIAN (Ordinary)	260.00
784/02	SAHLI'S (Round) Superior	1300.00
784/03	SAHLI'S (Square)	1375.00



781



782

## 785 HEAMOMETER TUBE 'LALCO'

Cat. No.	Product Name	Price/Pcs.
785/01	Round (Indian Quality)	32.00
785/02	Round	135.00
785/03	Square	180.00



783



784

## 786 ESR PIPETTE DISPOSABLE 'LALCO' 20.00

## 787 HAEMOGLOBIN METER (DIGITAL) 'LALCO' 8050.00

## 788 HEAMOMETER PIPETTE (INDIAN) 'LALCO' 32.00



789

790

## 789 HEIGHT MEASURING STAND 'LALCO'

Cat. No.	Product Name	Price/Pcs.
789/01	Without Weighing Machine	4500.00
789/02	With Weighing Machine	6200.00
789/03	Stature Meter	800.00

## 790 INFRARED THERMOMETER (PYROMETER) 'LALCO' 4800.00



791/01

791/02

## 791 NEEDLE SYRINGE DESTROYER 'LALCO'

Cat. No.	Product Name	Price/Pcs.
791/01	Electrical "Heavy Duty"	2250.00
791/02	Manual	700.00



792

## 792 PERSONAL WEIGHING SCALE, 125KG 'LALCO'

Cat. No.	Product Name	Price/Pcs.
792/01	Model Countess, Round shape	2910.00
792/02	Model Duchess, Square shape	1980.00
792/03	Digital Imported (Ordinary)	1300.00
792/04	Digital Chrome 150Kg	2540.00
792/05	Digital Model PLUSH 180Kg	3280.00



793



794

795

## 793 NEBULISER 'IMPORTED' 'LALCO' 3900.00

## 794 PULSE OXIMETER (IMPORTED) 'LALCO' 3700.00

## 795 PEAK FLOW METER 'LALCO' 3100.00

## 796 RIA VIAL (PK OF 500) 'LALCO' 1140.00



796

797

## 797 R.B.C. / W.B.C. TUBE (INDIAN) ANY ONE 'LALCO' 32.00

## 798 SLIDE STAINING TRAY (ALUMINIUM) 'LALCO' 160.00

Cat. No.	Product Name	Price/Pcs.
798/01	Slide Staining Square Bar With Stand (SS Rod) Acrylic Feet	640.00
798/02	Staining Assembly Hanger Type (S.S) 25 Slides	260.00



# PATHOLOGY INSTRUMENTS



## 799 SPHYGMOMANOMETER (BP APPARATUS) 'LALCO'

Cat. No.	Product Name	Price/Pcs.
799/01	Dial Type	740.00
799/02	Mercury Type (I.S.I Marked)	4200.00
799/03	Digital B.P Apparatus (Imported)	3100.00



799/01

799/02

## 800 STETHOSCOPE 'LALCO'

Cat. No.	Product Name	Price/Pcs.
800/01	Routine	400.00
800/02	Superior	1300.00



799/03

## 801 THERMO HYGROMETER (DIGITAL) 'LALCO'

Cat. No.	Product Name	Price/Pcs.
801/01	Simple Wall Type Without Probe	800.00



800

801

## 802 TIMER ELECTRONIC, (IMPORTED) 'LALCO' 800.00

## 803 WINTROBE TUBE (INDIAN) 'LALCO' 32.00

## 804 WINTROBE STAND (6 HOLE) 'LALCO' 200.00

## 805 BLOOD ROLLER MIXER (VARIABLE SPEED) 'LALCO' 15000.00

## 806 TOURNIQUET BELT 'LALCO' 32.00

## 807 ALBUNOMETER 'LALCO' 310.00

## 808 URINOMETER 'LALCO' 75.00

## 809 BLOOD SUGAR, FOLIN - WU TUBES 'LALCO'

(These tubes have two volume marks- at 12.5ml and 25ml)

Cat. No.	Capacity ml	Price/Pcs.
809/01	25	200.00

## 810 WIDAL TUBE CONICAL BOTTOM 'LALCO' 28.00



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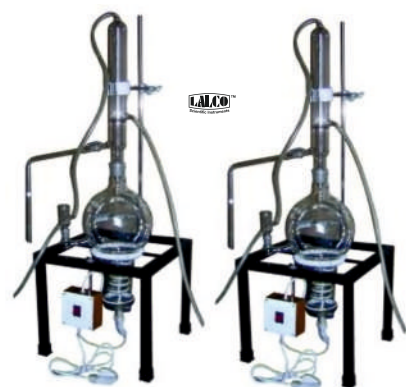
## 815

### TEST SIEVE 8" (20CM) DIA. BRASS FRAME WITHOUT JOINT & S.S WIREMESH 'LALCO'



815

Cat. No.	B.S.S.	A.S.T.M.	I.S.	Microns	Price/Pcs.
815/01	4	5	4.00 mm	4000	2200.00
815/02	5	6	3.35 mm	3353	2200.00
815/03	6	7	2.80 mm	2812	2200.00
815/04	7	8	3.36 mm	2411	2200.00
815/05	8	10	2.00 mm	2057	2200.00
815/06	10	12	1.70 mm	1680	2200.00
815/07	12	14	1.40 mm	1405	2200.00
815/08	14	16	1.18 mm	1204	2200.00
815/09	16	18	1.00 mm	1003	2200.00
815/10	18	20	0.850 mm	850	2200.00
815/11	22	25	0.710 mm	710	2200.00
815/12	25	30	0.600 mm	600	2200.00
815/13	30	35	0.500 mm	500	2200.00
815/14	36	40	0.425 mm	425	2200.00
815/15	44	45	0.355 mm	355	2200.00
815/16	52	50	0.300 mm	300	2200.00
815/17	60	60	0.250 mm	250	2200.00
815/18	72	70	0.212 mm	210	2200.00
815/19	85	80	0.180 mm	180	2200.00
815/20	100	100	0.150 mm	150	2200.00
815/21	120	120	0.125 mm	125	2600.00
815/22	150	140	0.106 mm	106	2600.00
815/23	170	170	0.090 mm	90	2600.00
815/24	200	200	0.075 mm	75	2600.00
815/25	240	230	0.063 mm	63	2600.00
815/26	300	270	0.053 mm	53	2600.00
815/27	350	325	0.045 mm	45	2900.00
815/28	400	400	0.037 mm	37	2900.00
815/29	500	-	0.025 mm	25	4000.00
<b>LID AND RECEIVER</b>					<b>2800.00</b>
<b>*CALIBRATION CHARGES EXTRA</b>					



## 826 DISTILLATION APPARATUS ALL GLASS 'LALCO'

Automatic electrically heated all glass distillation apparatus heater embeded in spiral glass tube complete with metallic stan, plug and board etc.

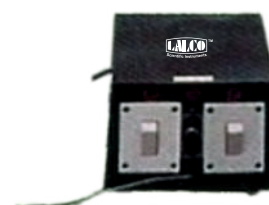
Cat. No.	Flask Cap.	Description (W/O cut off)	Price/Pcs.
826/01	3 Ltrs.	Single Distillation	17500.00
826/02	3 Ltrs.	Double Distillation	30800.00
826/03	3 Ltrs.	Tripple Distillation	48500.00
826/04	5 Ltrs.	Single Distillation	20500.00
826/05	5 Ltrs.	Double Distillation	37900.00
826/06	5 Ltrs.	Tripple Distillation	58000.00
826/07	10 Ltrs.	Single Distillation	29000.00
826/08	10 Ltrs.	Double Distillation	58000.00
826/09	10 Ltrs.	Tripple Distillation	84300.00

## 827 REPLACEMENT PARTS OF WATER DISTILLATION 'LALCO'

Cat. No.	Flask Cap.	Description	Price/Pcs.
827/01	3 Ltrs.	Flask with heater	9800.00
827/02	5 Ltrs.	Flask with heater	12300.00
827/03	10 Ltrs.	Flask with heater	21500.00
827/04	3 Ltrs.	Spare Condenser	4550.00
827/05	5 Ltrs.	Spare Condenser	4550.00
827/06	10 Ltrs.	Spare Condenser	5200.00
827/07	Cup	Constant level cup for distillation	625.00
827/08	Adapter	Receiver adapter for distillation	430.00

## 828 AUTOMATIC CUT OF DEVICE FOR DISTILLATION UNIT 'LALCO'

Cat. No.	Stage	Price/Pcs.
828/01	Single	4700.00
828/02	Double	5460.00
828/03	Triple	8050.00



829

**WATER STILL WITH METAL HEATER 'LALCO'**

**29700.00**

It comprises of horizontal borosilicate glass boiler fitted with a 3 KW chromium plated immersion heater with cutoff, highly efficient coil condenser ensures a reliable output of single distillate.

It is designed for easy usage, safe to operate and low cost.

### Features

- Abundant Output : The still provides 4 ltr/hr of distilled water which is ideal for General Laboratory use and is capable for producing pyrogen free distillate.
- Distillate temperature is approx. between 25° - 40° C which is ensured by highly efficient condenser.



### Distillate Quality

Output	4ltr / hr
Conductivity	3.0-4.0 $\mu$ S/cm
Distillate Quality	Pyrogen Free

### Construction

- The stand is powder coated for long and rust free operation.
- The boiler and condenser are designed for high efficiency.
- Boiler is provided with Teflon Screw Cork for easy draining and cleaning of boiling chamber.
- Screw Threaded Connectors : These are provided for easy plumbing & Installation to avoid any glassware breakage during assembly.
- For use on 220/240 V, 50/60Hz, Single Phase Supply.

### Additional Optional Accessories (At Extra Cost)

- Gate Valve: Conserves cooling water wastage in case of power failure.
- Flow Switch: In-built safety feature for the equipment unit shut off in case of cooling water failure.



## 830 WATER STILL WITH SILICA SHEATHED HEATER (SINGLE STILL) 'LALCO'

Water stills are carefully designed to produce high purity pyrogen free distilled water. The water still made from 3.3 exp. borosilicate glass comprises of horizontal type boiler, condenser, constant level device, silica sheathed (Quartz) heater, along with stand and clamps.

### Features:

- Borosilicate condenser and boiler are fitted with a removable silica sheathed heater and screw threaded connectors for ease of Cleaning.
- Distillate temperature is approx. between 25° to 45°C which is ensured by an efficient condenser.
- The stand is powder coated for rust free operation and lustrous appearance.
- The unit automatically switches off if water level in the boiler falls below heater.
- Cooling water from the condenser is re-circulated into the boiling chamber, hence saving energy.
- Drain nozzle/Teflon Stop Cork is provided for easy cleaning and maintenance.
- Electrical Power: 220/240 V, 50/60Hz, Single Phase Supply.



### Unique Feature:

**This model is equipped with in-built water level sensor to protect the Glass parts in case of water failure or overheating and buzzer is provided when user attention is required**

Single Unit		Technical Specification		
Conductivity		1 to 2.0 $\mu\text{s}/\text{cm}$		
Distillate Quality		Pyrogen Free		
Model No.	Output Cap. (approx)	Cooling Water Consumption	Power Rating	Price
830-20S	2.0 ltr/hr	60 ltr/hr	1.5 Kw	<b>47000.00</b>
830-40S	4.0 ltr/hr	120 ltr/hr	3.0 Kw	<b>65700.00</b>

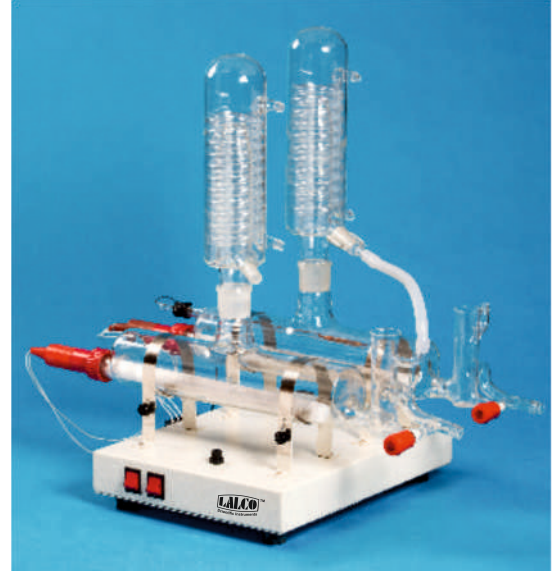
**\*\* Specifications under Standards Test Conditions.**

## 831 WATER STILL WITH SILICA SHEATHED HEATER (DOUBLE STILL) 'LALCO'

Water stills are carefully designed to produce high purity pyrogen free distilled water. The water still made from 3.3 exp. borosilicate glass comprises of horizontal type boiler, condenser, constant level device, silica sheathed (Quartz) heater, along with stand and clamps.

### Features:

- Borosilicate condenser and boiler are fitted with a removable silica sheathed heater and screw threaded connectors for ease of Cleaning.
- Distillate temperature is approx. between 25° to 45°C which is ensured by an efficient condenser.
- The stand is powder coated for rust free operation and lustrous appearance.
- The unit automatically switches off if water level in the boiler falls below heater.
- Cooling water from the condenser is re-circulated into the boiling chamber, hence saving energy.
- Drain nozzle/Te on Stop Cork is provided for easy cleaning and maintenance.
- Electrical Power: 220/240 V, 50/60Hz, Single Phase Supply.



### Unique Feature:

**This model is equipped with in-built water level sensor to protect the Glass parts in case of water failure or overheating and buzzer is provided when user attention is required**

Technical Specification				
Conductivity		1 to 2.0 $\mu\text{s}/\text{cm}$		
Distillate Quality		Pyrogen Free		
Model No.	Output Cap. (approx)	Cooling Water Consumption	Power Rating	Price
831-20D	2.0 ltr/hr	120 ltr/hr	3.0 Kw	<b>84000.00</b>
831-40D	4.0 ltr/hr	150 ltr/hr	6.0 Kw	<b>114000.00</b>

**\*\* Specifications under Standards Test Conditions.**

## 832 AUTOMATIC WATER DISTILLATION EQUIPMENT (CABINET MODEL) 'LALCO'

### Compact & User Friendly

This is a fully automatic water distillation equipment and can be used in research laboratories, hospitals etc. It is manufactured from 3.3 exp borosilicate glass or quartz glass. The distillation has following features:

- Replaceable silica sheathed (Quartz) heater: The horizontal quartz jacket is fitted with removable silica Sheathed heater and screw threaded connectors for ease of cleaning
- Distillate temperature is approx. between 25°C to 45°C which is ensured by an efficient condenser.
- The stand is powder coated for rust free operation and lustrous appearance.
- Cooling water from the condenser is re-circulated into the boiling chamber, hence saving energy.
- Screw Threaded Connectors: These are provided for easy plumbing & Installation to avoid any glassware breakage during assembly.
- Fuse is provided for safety in case of voltage fluctuation or short circuit.
- Boiler is provided with a Replaceable Side Over Flow for easy draining and cleaning of boiling chamber.
- The front cover is easily removable making the access to the glass parts very easy.
- Electrical Power: 220/240 V, 50/60Hz, Single Phase Supply.



### Additional In-built Safety Features:

- Gate Valve: Conserves cooling water wastage in case of power failure.
- Flow Switch: In-built safety feature for the equipment unit shut off in case of cooling water failure.
- Temperature switch: The boiler is equipped with a safety temperature switch which shuts off the unit if water level in the boiler falls below the heater, thus saving the glass parts from any damages.
- Level Sensor: It Shuts off the Distillation equipment if the water level in the boiler falls below the heater.
- Reservoir Level Sensor: This helps in automatic working of the water distillation equipment. Depending on the water level in the reservoir it will automatically switch On/Off the equipment, thus saving energy. (Reservoir can also be provided with a storage capacity of 5 ltr, 10 ltr & 20 ltr made of Borosilicate Glass or polypropylene)

### Borosilicate Glass

	832-20S	832-20D	832-40S	832-40D
<b>Output Capacity (Approx.)</b>	2 Ltr/Hr	2 Ltr/Hr	4 Ltr/Hr	4 Ltr/Hr
<b>Stage</b>	Single Stage	Double Stage	Single Stage	Double Stage
<b>Distillate Quality</b>	Pyrogen Free	Pyrogen Free	Pyrogen Free	Pyrogen Free
<b>Conductivity <math>\mu\text{S/cm}</math></b>	1.0 - 2.0	0.8 - 1.0	1.0 - 2.0	0.8 - 1.0
<b>Cooling Water Requirement (Approx)</b>	1.5 Ltr/min	2 Ltr/min	2-3Ltr/min	2-4 Ltr/min
<b>Power Rating (Total)</b>	1.5 KW	3.0 KW	3.0 KW	6.0 KW
<b>Price/Pc</b>	<b>89500.00</b>	<b>134000.00</b>	<b>122000.00</b>	<b>198000.00</b>

**\*\*All the parameters are under standard test conditions.**

**\*\*Output quality would depend upon the quality of inlet feed water.**

## 833 SINGLE STAGE QUARTZ DISTILLATION (VERTICAL MODEL) 'LALCO'

The apparatus consists of a boiler made from high purity quartz with built in heater and bottom discharge joint for easy cleaning of deposits. A spiral condenser is fitted on the boiler with receiving adapter. The unit comes with Safety Control Unit (Optional) to protect the Glass parts in case of water failure or overheating. Quartz can withstand very high temperature variation, thus it is thermal shock proof.

Conductivity	1.0 -1.5 pS/cm with Borosilicate Condenser
	0.5 - 0.8 pS/cm with Quartz Condenser
Distilled Water Quality	Pyrogen Free
Distillate Temperature	25-45°C

"All the parameters are under Standard Test Conditions"



### Advantages

- Rust proof powder coated sturdy stand as base.
- Replaceable clamps are provided for better adjustment and alignment of the boiler and condenser.

### Advanced Features

- Distillate is pyrogen free; also it is free of heavy metals.
- Switch on time is less than minute providing distilled water instantly.
- Low maintenance is required.

### Borosilicate Condenser (Safety Cut Off Device Charge Extra)

	Output Capacity (Approx.)	Power Rating (Total)	Cooling Water Consumption (App.)	
833-25B	2.5Ltr/Hr	2 KW	40 Ltr/Hr	<b>58800.00</b>
833-50B	5 Ltr/Hr	4.4 KW	65 Ltr/Hr.	<b>97000.00</b>
833-80B	8 Ltr/Hr	6 KW	90 Ltr/Hr	<b>141000.00</b>
833-100B	10 Ltr/Hr	9 KW	120 Ltr/Hr	<b>165000.00</b>

### Quartz Condenser (Safety Cut Off Device Charge Extra)

	Output Capacity (Approx.)	Power Rating (Total)	Cooling Water Consumption (App.)	
833-25Q	2.5Ltr/Hr	2 KW	40 Ltr/Hr	<b>88000.00</b>
833-50Q	5 Ltr/Hr	4.4 KW	65 Ltr/Hr.	<b>160000.00</b>
833-80Q	8 Ltr/Hr	6 KW	90 Ltr/Hr	<b>212000.00</b>
833-100Q	10 Ltr/Hr	9 KW	120 Ltr/Hr	<b>300000.00</b>

■ Indicates 3 Phase

### Safety Cut Off Device (Digital Safety Control Unit with Alarm)

SCU-1	2 Ltr/Hr	<b>32400.00</b>
SCU-2	5,8 &10 Ltr/Hr	<b>36000.00</b>

**\*\* It is recommended to use Water Softener Unit with All types of water distillations for desired output, good quality distillate & long life.**



## 834 SINGLE STAGE QUARTZ DISTILLATION (HORIZONTAL MODEL) 'LALCO'

### Features

- Replaceable Silica Heater : The horizontal quartz jacket is fitted with removable silica heater and screw threaded connectors for ease of cleaning.
- Distillate temperature is approx. between 25° to 45° C which is ensured by an efficient condenser.
- The stand is powder coated for rust free operation and lustrous appearance.
- The unit automatically switches off if water level in the boiler falls below heater.
- Cooling water from the condenser is re-circulated into the boiling chamber, hence saving energy.
- Fuse is provided for safety in case of voltage fluctuation or short circuit.
- Electrical Power: 220/240 V, 50/60Hz, Single Phase Supply.
- Boiler is provided with Replaceable Quartz Constant Level Device for easy draining and cleaning of boiling chamber.



### Unique Feature

**This model is equipped with in-built temperature switch to protect the Glass parts in case of water failure or overheating.**

### Additional Optional Accessories (At Extra Cost)

- **Gate Valve:** Conserves cooling water wastage in case of power failure.
- **Flow Switch :** In-built safety feature for the equipment unit shut off in case of cooling water failure.

### Borosilicate Condenser

	Output Capacity (Approx.)	Power Rating (Total)	Cooling Water Consumption (App.)	
834-20BH	2 Ltr/Hr	1.7 KW	35 Ltr/Hr	<b>79000.00</b>
834-50BH	5 Ltr/Hr	3.4 KW	70 Ltr/Hr.	<b>127000.00</b>

### Quartz Condenser

	Output Capacity (Approx.)	Power Rating (Total)	Cooling Water Consumption (App.)	
834-20QH	2 Ltr/Hr	1.7 KW	35 Ltr/Hr	<b>102000.00</b>
834-50QH	5 Ltr/Hr	3.4 KW	70 Ltr/Hr.	<b>198000.00</b>

## 835 ALL QUARTZ DOUBLE DISTILLATION (VERTICAL MODEL) 'LALCO'

It has been designed keeping in view customer requirements and easy serviceability of the equipment. All Quartz Double Distillation consists of demountable upper and lower boiler. The lower boiler has a built-in heater enclosed in a quartz boiler with a cup on top. The upper boiler has a built-in quartz coil and condensing unit which is mounted on the boiler with the help of ball and socket joint. Double-walled condenser ensures separate condensation of vapors coming from the two boilers using a single cooling circuit. The unit is mounted on a specially designed powder-coated stand and is also provided with Safety Control Unit. This new dual-safety cut-off has been designed for better and accurate control of the distillation unit. It has been incorporated with advanced microprocessor-based electronic circuitry. This has the latest electronic technology that has been introduced by our company which gives an easy user-machine interaction. The alpha-numeric LCD which has been used shows all messages that correspond to the running of the machine. Also, there is an alarm system which beeps as and when user attention is required.



### Special advantages of Demountable Model

- Easy cleaning of the first boiler since it can be dismantled from the assembly.
- Ease of interchangeability as it is provided with Ball & Socket joint.
- Boiler & condenser have larger boiling space resulting in balanced boiling & improved quality of distillate.
- Compact and easy to install.

### Double Distillate Quality

Parameters	Values
Specific Conductivity	0.1-0.5 ps/cm
Biological Activity (distillate quality)	Pyrogen Free
Organic Matter	Nil
Total Solids	0.1 mg/ltr
Silica	<0.01 mg/ltr

\*\*All the parameters are under Standard Test Conditions, Please test the distilled water before use.

\*\*We recommend a Quartz Reservoir for storage of High Purity Water.

### Quartz Condenser

Double (Vertical)	Output Capacity (Approx.)	Power Rating (Total)	Cooling Water Consumption (App.)
835-DD-15AQ	1.5Ltr/Hr	3 KW	50 Ltr/Hr <b>156000.00</b>
835-DD-25AQ	2.5Ltr/Hr	5 KW	70 Ltr/Hr. <b>210000.00</b>
835-DD-35AQ	3.5Ltr/Hr	7 KW	90 Ltr/Hr <b>300000.00</b>
835-DD-40AQ	4.0Ltr/Hr	8 KW	120 Ltr/Hr <b>352000.00</b>
835-DD-50AQ	5.0Ltr/Hr	9 KW	150 Ltr/Hr <b>398000.00</b>

■ Indicates 3 Phase

• The above cost is inclusive of Safety Cut off Device

\*\* It is recommended to use Water Softener Unit with All types of Water distillations for desired output, good quality distillate and long life.

## 836 ALL QUARTZ DOUBLE DISTILLATION (HORIZONTAL MODEL) 'LALCO'

### Features

- Replaceable silica heater: The horizontal quartz jacket is fitted with removable silica heater and screw threaded connectors for ease of cleaning
- Distillate temperature is approx between 25° to 45°C which is ensured by an efficient condenser.
- The stand is powder coated for rust free operation appearance.
- Cooling water from the condenser is re-circulated into the boiling chamber, hence saving energy.
- Fuse is provided for safety in case of voltage fluctuation or short circuit.
- Boiler is provided with a Replaceable Constant Level Device for easy draining and cleaning of boiling chamber.



### Additional In-built Safety Feature

- Gate Valve: Conserves cooling water wastage in case of power failure.
- Flow Switch: In-built safety feature for the equipment unit shut off in case of cooling water failure.
- Temperature switch: The boiler is equipped with a safety temperature switch which shuts off the unit if water level in the boiler falls below the heater, thus saving the glass parts from any damages

### Technical Specifica

Double (Horizontal)	Output Capacity (Approx.)	Power Rating (Total)	Cooling Water Consumption (App.)	
836-DD-15HM	1.5Ltr/Hr	3 KW	50 Ltr/Hr	<b>234000.00</b>
836-DD-20HM	2.0Ltr/Hr	4 KW	65 Ltr/Hr.	<b>270000.00</b>
836-DD-25HM	2.5Ltr/Hr	5 KW	70 Ltr/Hr	<b>280000.00</b>
836-DD-35HM	3.5Ltr/Hr	6 KW	90 Ltr/Hr	<b>330000.00</b>
836-DD-40HM	4.0Ltr/Hr	7 KW	120 Ltr/Hr	<b>370000.00</b>
836-DD-50HM	5.0Ltr/Hr	8 KW	150 Ltr/Hr	<b>460000.00</b>

■ Indicates 3 Phase

\*\* It is recommended to use Water Softener Unit with All types of water distillations for desired output, good quality distillate & long life.

\*\*\*pH electrodes will NOT give accurate pH values in distilled or deionized water. This is because distilled and deionized water do not have enough ions present for the electrode to function properly. The readings will drift and be essentially meaningless. In practice, however, most distilled water will have a pH that is slightly acidic (less than 7.0) due to the presence of carbon dioxide (CO<sub>2</sub>) that is absorbed from the atmosphere.

## SPARE PARTS FOR WATER DISTILLATION UNIT

### 837 ALL QUARTZ DOUBLE DISTILLATION 'LALCO'

Cat. No.	Product Name	Price/Pcs.
837-DD-15AQ-LC	Quartz Lower Cup for 1.5 ltr/hr Distillation	47400.00
837-DD-25AQ-LC	Quartz Lower Cup for 2.5 ltr/hr Distillation	66900.00
837-DD-SOF	All Quartz Double distillation Side Over Flow (Quartz)	27700.00
837-SI-SCU-1	Safety Cut-off Device for 1.5 to 2.5 ltr/hr Dist.	33600.00
837-SI-SCU-2	Safety Cut-off Device for 3.5, 4.0 to 5.0 ltr/hr Dist.	36000.00

### 838 SINGLE STAGE QUARTZ DISTILLATION 'LALCO'

Cat. No.	Product Name	Price/Pcs.
838-SD-20-QBS	Quartz Boiler for 2.5 ltr/hr Dist.	44000.00
838-SD-50-QBS	Quartz Boiler for 5 ltr/hr Dist.	73800.00
838-SD-70-QBS	Quartz Boiler for 7 ltr/hr Dist.	121200.00
838-SD-100-QBS	Quartz Boiler for 10 ltr/hr Dist.	150000.00
838-SD-20-BCC	Borosilicate Coil Condenser for 2.5 ltr/hr Dist.	8500.00
838-SD-50-BCC	Borosilicate Coil Condenser for 5 ltr/hr Dist.	11900.00
838-SD-70-BCC	Borosilicate Coil Condenser for 7 ltr/hr Dist.	18600.00
838-SD-100-BCC	Borosilicate Coil Condenser for 10 ltr/hr Dist.	29500.00
838-SD-20-QCC	Quartz Coil Condenser for 2.5 ltr/hr Dist.	45000.00
838-SD-50-QCC	Quartz Coil Condenser for 5 ltr/hr Dist.	73900.00
838-SD-70-QCC	Quartz Coil Condenser for 7 ltr/hr Dist.	129000.00
838-SD-100-QCC	Quartz Coil Condenser for 10 ltr/hr Dist.	184000.00
838-SI-SCU-1	Safety Cut-off Device	32300.00
838-SI-SCU-2	Safety Cut-off Device	35700.00

### 839 SINGLE STAGE QUARTZ DISTILLATION (HORIZONTAL MODEL) 'LALCO'

Cat. No.	Product Name	Price/Pcs.
839-SD-20-HQB	Horizontal Quartz Boiler for 2 ltr/hr Dist.	47000.00
839-SD-50-HQB	Horizontal Quartz Boiler for 5 ltr/hr Dist.	73000.00
839-SD-20-BCC	Borosilicate Coil Condenser for 2 ltr/hr Dist.	8520.00
839-SD-50-BCC	Borosilicate Coil Condenser for 5 ltr/hr Dist.	11900.00
839-SD-20-QCC	Quartz Coil Condenser for 2 ltr/hr Dist.	45000.00
839-SD-50-QCC	Quartz Coil Condenser for 5 ltr/hr Dist.	73900.00
839-SI-SH-HS	Silica Sheathed (Quartz) Heater with Bakelite Cap	10200.00



## 840 WATER STILL WITH SILICA SHEATHED HEATER 'LALCO'

Cat. No.	Product Name	Price/Pcs.
840-WS-SH-CLS	Constant Level Device	3240.00
840-WS-SH-20BCS	Boiling Chamber for 2 ltr/hr Still	11200.00
840-WS-SH-40BCS	Boiling Chamber for 4 ltr/hr Still	19300.00
840-WS-SH-20BCC	Coil Condenser for 2 ltr/hr Still	8500.00
840-WS-SH-40BCC	Coil Condenser for 4 ltr/hr Still	11900.00
840-SI-SH-HS	Silica Sheathed (Quartz) Heater with Bakelite Cap	10200.00

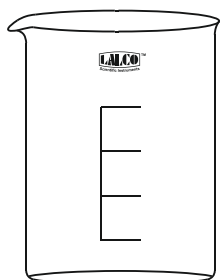
## 841 WATER STILL WITH METAL HEATER 'LALCO'

Cat. No.	Product Name	Price/Pcs.
841-WS-MH-40BCS	Boiler for Water Still with Metal Heater	18000.00
841-WS-MH-40BCC	Coil Condenser for Water Still with Metal Heater	11800.00
841-WS-MH-40HTS	Heater 3Kw fitted with Thermostat	11100.00

## 845 DISTILLATION APPARATUS 'LALCO'

Cat. No.	Product Name	Price/Pcs.
845-WS-MH-40BCS	Boiler for Water Still with Metal Heater	18000.00
845-WS-MH-40BCC	Coil Condenser for Water Still with Metal Heater	11800.00
845-WS-MH-40HTS	Heater 3Kw fitted with Thermostat	11100.00

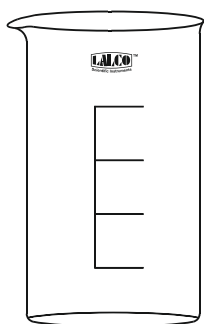
QUARTZ GLASSWARE



850

## 850 BEAKER LOW FORM WITH SPOUT 'LALCO'

Cat. No.	Capacity (ml)	Price/Pcs.
850/01	25	900.00
850/02	50	1300.00
850/03	100	1800.00
850/04	150	2800.00
850/05	250	5200.00
850/06	500	8800.00
850/07	1000	14000.00



851

## 851 BEAKER TALL FORM WITH SPOUT 'LALCO'

Cat. No.	Capacity (ml)	Price/Pcs.
851/01	25	900.00
851/02	50	1250.00
851/03	100	1800.00
851/04	150	2800.00
851/05	250	5100.00
851/06	500	8750.00
851/07	1000	13500.00



852

## 852 FLASK (ROUND BOTTOM/FLAT BOTTOM) 'LALCO'

Cat. No.	Capacity (ml)	Price/Pcs.
852/01	50	4200.00
852/02	100	6400.00
852/03	250	10000.00
852/04	500	12800.00
852/05	1000	28400.00



853

## 853 FLASK (ROUND BOTTOM / FLAT BOTTOM) WITH SOCKET 'LALCO'

Cat. No.	Capacity (ml)	Socket Size	Price/Pcs.
853/01	50	19/26	6000.00
853/02	100	19/26	8400.00
853/03	250	24/29	12400.00
853/04	500	34/35	16000.00
853/05	1000	34/35	32000.00

"Other socket sizes can also be made as per requirement.

" Two, Three & Four Neck Flasks also available on request.

# QUARTZ GLASSWARE



## 854 FLASK CONICAL (ERLENMEYER) 'LALCO'

Cat. No.	Capacity (ml)	Price/Pcs.
854/01	50	6400.00
854/02	100	7800.00
854/03	250	10800.00
854/04	500	19200.00
854/05	1000	32400.00



854

## 855 FLASK CONICAL WITH SOCKET (ERLENMEYER) 'LALCO'

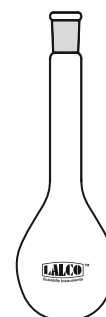
Cat. No.	Capacity (ml)	Socket Size	Price/Pcs.
855/01	50	19/26	8000.00
855/02	100	19/26	10500.00
855/03	250	24/29	12000.00
855/04	500	34/35	24500.00
855/05	1000	34/35	34600.00



855

## 856 FLASKS KJELDHAL, ROUND BOTTOM, LONG NECK 'LALCO'

Cat. No.	Capacity (ml)	Socket Size	Price/Pcs.
856/01	100	19/26	7200.00
856/02	300	24/29	11200.00
856/03	500	24/29	16000.00
856/04	800	24/29	27000.00



856

## 857 REAGENT BOTTLE WITH SILICON STOPPER 'LALCO'

Cat. No.	Capacity (ml)	Socket Size	Price/Pcs.
857/01	50	19/26	13000.00
857/02	100	19/26	15600.00
857/03	250	24/29	19200.00
857/04	500	24/29	22800.00
857/05	1000	40/38	27200.00



857

\*\* Also available with Quartz Stopper

\*\* Reagent Bottle Aspirator Type also available on special request.

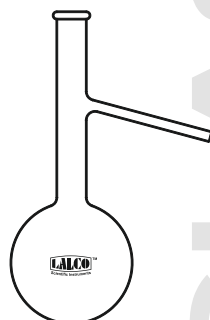
QUARTZ GLASSWARE

## 858 TEST TUBES WITH RIM / WITHOUT RIM 'LALCO'



858

Cat. No.	Capacity ml. (approx)	O.D.x Length mm. (approx)	Price/Pcs.
858/01	3	10x75	300.00
858/02	5	12x75	400.00
858/03	8	12x100	450.00
858/04	10	16x125	560.00
858/05	15	16x150	720.00
858/06	25	18x150	1160.00
858/07	35	25x100	1400.00
858/08	50	25x150	1600.00
858/09	75	25x200	1720.00
858/10	100	32x200	2200.00
858/11	200	40x200	2900.00



859

## 859 DISTILLATION FLASKS 'LALCO'

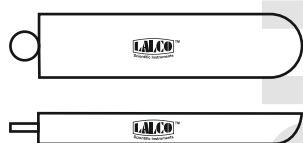
Cat. No.	Capacity (ml)	Price/Pcs.
859/01	50	6000.00
859/02	100	6850.00
859/03	250	11500.00
859/04	500	16000.00
859/05	1000	24600.00



860

## 860 QUARTZ BULB CONDENSER (ALLIHN CONDENSER) 'LALCO'

Cat. No.	Effective Length (mm)	Socket Size	Cone Size	Price/Pcs.
860/01	200	19/26	19/26	22000.00
860/02	300	24/29	24/29	26000.00
860/03	400	24/29	24/29	32000.00



861

## 861 COMBUSTION BOATS WITH HANDLE 'LALCO'

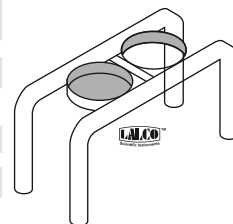
Cat. No.	Capacity (ml)	Price/Pcs.
861/01	16x49	680.00
861/02	12x77	900.00
861/03	18x77	1000.00
861/04	22x77	1280.00
861/05	22x100	1560.00

# QUARTZ GLASSWARE



## 862 MUFFLE TRAY 'LALCO'

Cat. No.	Nominal Length	No. of Holes	Price/Pcs.
862/01	39	2	1350.00
862/02	76	4	2100.00



862

## 863 LID FOR CRUCIBLES 'LALCO'

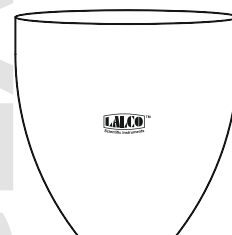
Cat. No.	Capacity (ml)	Price/Pcs.
863/01	15	560.00
863/02	25	880.00
863/03	50	1280.00
863/04	80	1400.00



863

## 864 CRUCIBLE WITHOUT LID 'LALCO'

Cat. No.	Capacity ml.	O.D.x Length mm. (approx)	Price/Pcs.
864/01	15	40x26	560.00
864/02	25	47x30	880.00
864/03	50	57x35	1280.00
864/04	80	69x45	2000.00
864/05	150	80 x 54	3200.00



864

ALL QUARTZ ITEMS ARE WILL BE READY AFTER CONFORMATION OF ORDER WITH MINIU 50% ADVANCE PAYMENT.

QUARTZ ITEMS ARE NOT READY IN STOCK.



## ADAPTER REDUCTION/ EXPANTION



GW03

### GW03 SOCKET, PLAIN DOUBLE 'LALCO'

Cat. No.	Socket	Price/Pcs.
GW03/01	B10	120.00
GW03/02	B14	120.00
GW03/03	B19	130.00
GW03/04	B24	170.00
GW03/05	B29	190.00
GW03/06	B34	230.00
GW03/07	B40	360.00



GW04

### GW04 CONES, PLAIN DOUBLE 'LALCO'

Cat. No.	Socket	Price/Pcs.
GW04/01	B10	120.00
GW04/02	B14	120.00
GW04/03	B19	130.00
GW04/04	B24	170.00
GW04/05	B29	190.00
GW04/06	B34	230.00
GW04/07	B40	360.00



GW05

### GW05 REDUCTION ADAPTERS 'LALCO'

Cat. No.	Socket	Cone	Price/Pcs.
GW05/01	B10	B14	90.00
GW05/02	B14	B19	95.00
GW05/03	B14	B24	100.00
GW05/04	B14	B29	130.00
GW05/05	B19	B24	130.00
GW05/06	B19	B29	130.00
GW05/07	B19	B34	160.00
GW05/11	B24	B29	180.00
GW05/12	B24	B34	195.00
GW05/16	B24	B55	450.00
GW05/17	B29	B34	260.00
GW05/21	B34	B55	490.00
GW05/22	B34	B50	470.00

# LABORATORY GLASSWARE



## GW06 EXPANSION ADAPTERS 'LALCO'

Cat. No.	Socket	Cone	Price/Pcs.
GW06/02	B19	B14	95.00
GW06/03	B24	B14	130.00
GW06/04	B24	B19	130.00
GW06/05	B29	B14	150.00
GW06/07	B29	B24	180.00
GW06/08	B34	B19	195.00
GW06/09	B34	B24	195.00
GW06/10	B34	B29	260.00
GW06/12	B55	B24	450.00



GW06

## GW07 MULTIPLE ADAPTERS 'LALCO'

Two necks parallel

Cat. No.	Socket x 2	Cone	Price/Pcs.
GW07/02	B14	B14	190.00
GW07/03	B19	B19	220.00
GW07/04	B24	B24	330.00
GW07/05	B24	B34	380.00
GW07/06	B34	B34	430.00
GW07/07	B29	B29	360.00

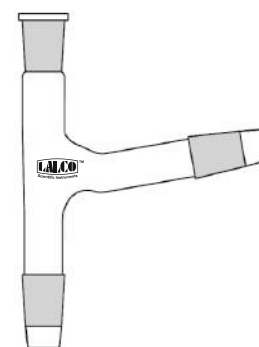


GW07

## GW08 MULTIPLE ADAPTERS 'LALCO'

With two necks , one vertical and one at 45 angle

Cat. No.	Socket	Cone	Price/Pcs.
GW08/01	B19	B19	280.00
GW08/02	B19	B24	330.00
GW08/03	B19	B34	380.00

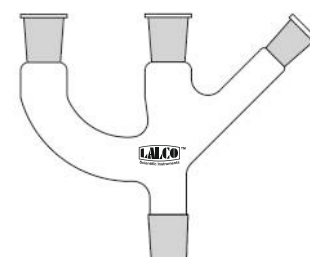


GW08

## GW09 MULTIPLE ADAPTERS 'LALCO'

With three necks, two parallel and one at 45 angle

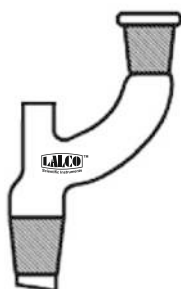
Cat. No.	Socket x 2	Cone	Vertical Socket	Price/Pcs.
GW09/01	B19	B19	B19	350.00
GW09/02	B19	B24	B19	400.00
GW09/04	B19	B29	B19	410.00
GW09/05	B24	B24	B24	520.00
GW09/06	B29	B29	B29	610.00



GW09

## GW10 SWAN NECK ADAPTERS 'LALCO'

For use with air-leak, tube or Thermometer

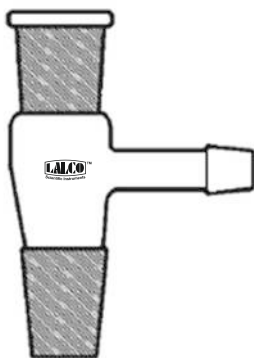


GW10

Cat. No.	Socket	Cone	Price/Pcs.
GW10/02	B19	B19	180.00
GW10/04	B19	B24	190.00
GW10/05	B24	B24	200.00
GW10/06	B29	B29	220.00

## GW11 ADAPTERS SOCKET TO CONE 'LALCO'

With T connection



GW11

Cat. No.	Socket	Cone	Price/Pcs.
GW11/01	B14	B14	150.00
GW11/02	B14	B19	160.00
GW11/03	B14	B24	170.00
GW11/04	B19	B19	180.00
GW11/05	B19	B24	190.00
GW11/07	B24	B24	200.00
GW11/08	B24	B29	210.00
GW11/09	B29	B29	230.00

## GW12 ADAPTERS SOCKET TO RUBBER TUBING 'LALCO'

Straight connection

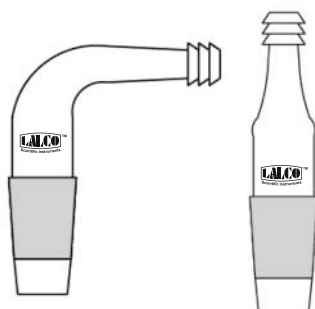


GW12

Cat. No.	Socket	Price/Pcs.
GW12/03	B19	95.00
GW12/04	B24	110.00
GW12/05	B29	150.00

## GW13 ADAPTERS CONE TO RUBBER TUBING 'LALCO'

Right angle connection or straight (Take - off)



GW13

Cat. No.	Socket	Price/Pcs.
GW13/02	B14	90.00
GW13/03	B19	100.00
GW13/04	B24	125.00
GW13/05	B29	150.00
GW13/06	B34	175.00

# LABORATORY GLASSWARE



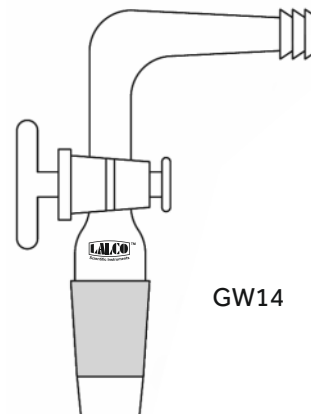
## GW14 ADAPTERS CONE TO RUBBER TUBING 'LALCO'

Straight or right angle connection with glass stop cock

Cat. No.	Socket	Price/Pcs.
GW14/01	B14	270.00
GW14/02	B19	280.00
GW14/03	B24	290.00
GW14/04	B29	330.00
GW14/05	B34	370.00

**Optional:** 1. The above adaptors can also be supplied with PTFE Key stop cock at extra cost  
2. The above adaptors can also be supplied with straight connection.

\*Please ask for prices separately.



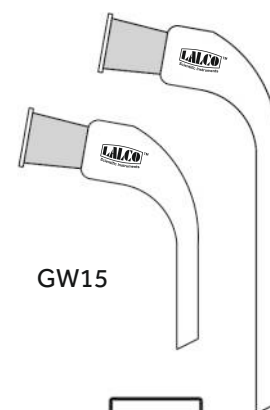
GW14

## RECEIVER ADAPTERS

### GW15 RECEIVER DELIVERY ADAPTER 'LALCO'

Plain bend short / Long bend

Cat. No.	Socket	Short Stem Price/Pcs.	Long Stem Price/Pcs.
GW15/02	B14	160.00	170.00
GW15/03	B19	180.00	190.00
GW15/04	B24	210.00	220.00
GW15/05	B29	270.00	280.00
GW15/06	B34	300.00	310.00



GW15

### GW17 RECEIVER ADAPTER 'LALCO'

Straight delivery

Cat. No.	Socket	Price/Pcs.
GW17/02	B14	95.00
GW17/03	B19	150.00
GW17/04	B24	160.00
GW17/05	B29	190.00
GW17/06	B34	230.00



GW17

### GW735 GLASS DROPPER WITH TEAT 'LALCO'

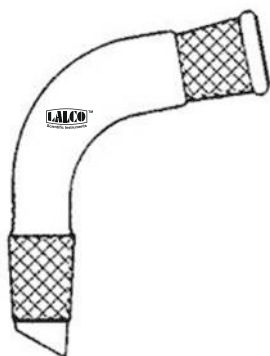
Cat. No.	Size	Price/Pcs.
GW735/01	6"	30.00
GW735/02	8"	45.00



GW735

## GW18 RECEIVER ADAPTER 'LALCO'

Plain bend socket to cone

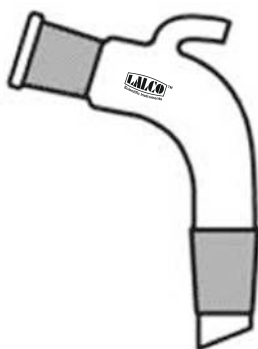


GW18

Cat. No.	Socket	Cone	Price/Pcs.
GW18/02	B14	B14	170.00
GW18/03	B19	B19	190.00
GW18/04	B19	B24	210.00
GW18/05	B24	B24	220.00
GW18/06	B29	B29	330.00
GW18/07	B34	B34	360.00

## GW19 RECEIVER ADAPTER 'LALCO'

Bend with vent

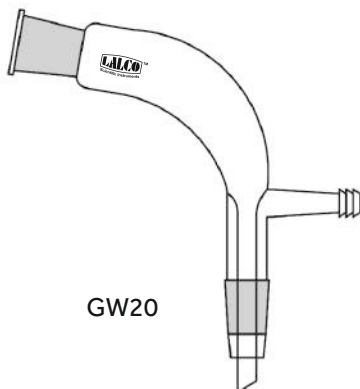


GW19

Cat. No.	Socket	Cone	Price/Pcs.
GW19/02	B14	B14	190.00
GW19/03	B19	B19	210.00
GW19/04	B19	B24	220.00
GW19/05	B24	B24	260.00
GW19/07	B29	B29	300.00
GW19/08	B34	B34	350.00

## GW20 RECEIVER ADAPTER 'LALCO'

Bend with vacuum connection (VACUUM BEND)

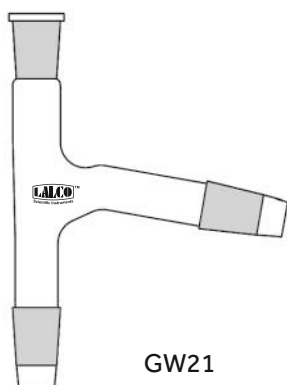


GW20

Cat. No.	Socket	Cone	Price/Pcs.
GW20/01	B14	B14	250.00
GW20/03	B19	B19	280.00
GW20/04	B19	B24	300.00
GW20/05	B24	B24	340.00
GW20/06	B29	B29	380.00
GW20/07	B34	B34	430.00

## STILL HEADS, RECOVERY BEND VERTICAL

### GW21 STILL HEAD, PLAIN WITH THERMOMETER SOCKET, SLOPING 'LALCO'



GW21

Cat. No.	Socket	Cone	Price/Pcs.
GW21/01	B14	B14	270.00
GW21/02	B19	B19	280.00
GW21/03	B24	B19	320.00
GW21/04	B24	B24	330.00
GW21/05	B34	B34	380.00

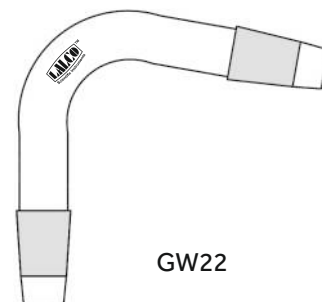


# LABORATORY GLASSWARE



## GW22 RECOVERY BEND SLOPING 'LALCO'

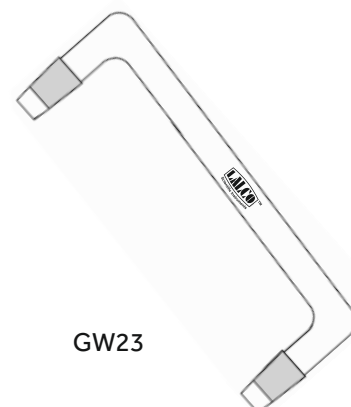
Cat. No.	Flask Cone	Condenser Cone	Price/Pcs.
GW22/01	B14	B14	140.00
GW22/02	B19	B19	160.00
GW22/03	B24	B14	180.00
GW22/04	B24	B19	200.00
GW22/05	B24	B24	220.00
GW22/06	B29	B19	240.00
GW22/07	B29	B24	260.00
GW22/08	B29	B29	280.00
GW22/09	B34	B24	300.00
GW22/10	B34	B34	350.00



GW22

## GW23 RECOVERY BEND VERTICAL 'LALCO'

Cat. No.	Flask Cone	Condenser Cone	Price/Pcs.
GW23/01	B14	B14	190.00
GW23/02	B19	B19	220.00
GW23/03	B24	B14	265.00
GW23/04	B24	B24	310.00
GW23/05	B34	B34	450.00



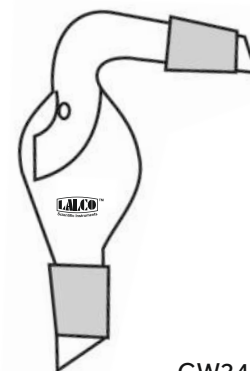
GW23

## SPALASH HEAD ADAPTER

### GW24 SPLASH HEAD 'LALCO'

Pear shape sloping

Cat. No.	Flash Cone	Condenser Cone	Price/Pcs.
GW24/01	B19	B19	330.00
GW24/02	B24	B19	350.00
GW24/03	B24	B24	450.00
GW24/04	B29	B24	490.00
GW24/05	B34	B24	530.00



GW24

### GW25 STEAM DISTILLATION HEAD 'LALCO'

Pear shape sloping

Cat. No.	Flask Cone	Condenser Cone	Price/Pcs.
GW25/02	B24	B19	450.00
GW25/03	B24	B24	470.00
GW25/04	B29	B29	490.00



GW25

## GW26 SPLASH HEAD ADAPTER, PEAR SHAPE STRAIGHT 'LALCO'

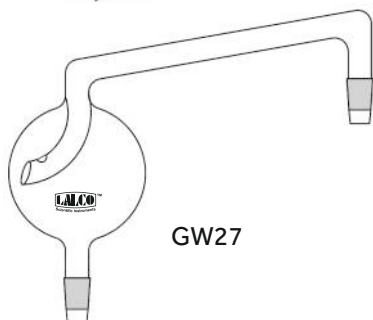
Cat. No.	Flash Cone	Condenser Cone	Price/Pcs.
GW26/01	B24	B24	330.00
GW26/02	B24	B19	350.00



GW26

## GW27 SPLASH HEAD PEAR SHAPE, VERTICAL 'LALCO'

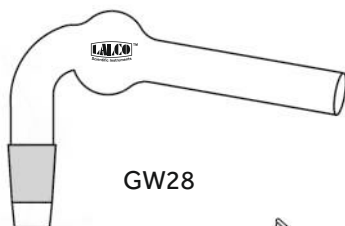
Cat. No.	Flash Cone	Condenser Cone	Price/Pcs.
GW27/01	B19	B19	360.00
GW27/02	B24	B19	390.00
GW27/03	B24	B24	430.00
GW27/04	B29	B24	470.00
GW27/05	B34	B24	520.00



GW27

## GW28 DRYING TUBE / GUARD TUBE WITH (CONE) 'LALCO'

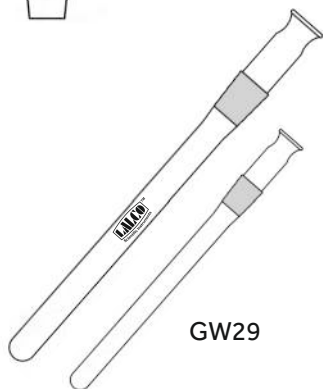
Cat. No.	Cone	Price/Pcs.
GW28/01	B19	150.00
GW28/02	B24	170.00
GW28/03	B24	230.00



GW28

## GW29 THERMOMETER POCKET FOR FLASKS 'LALCO'

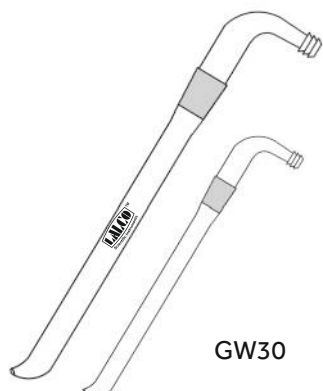
Cat. No.	Joint Size	Flask Cap. (ml)	Price/Pcs.
GW29/01	B14	25/50/100	140.00
GW29/02	B14	250	170.00
GW29/03	B19	100/250	170.00
GW29/04	B19	500/1000	210.00
GW29/05	B19	2000	230.00
GW29/06	B24	250/500/1000/2000	230.00
GW29/07	B24	3000/5000	270.00
GW29/08	B34	10 Ltrs./20 Ltrs.	370.00



GW29

## GW30 GAS PASSING TUBES FOR FLASKS 'LALCO'

Cat. No.	Joint Size	Flask Cap. (ml)	Price/Pcs.
GW30/01	B14	25/50/100/250	200.00
GW30/02	B19	100/250/500	230.00
GW30/03	B19	1000	250.00
GW30/04	B24	250/500	270.00
GW30/05	B24	1000	310.00
GW30/06	B24	2000	340.00
GW30/07	B24	3000/5000	370.00
GW30/08	B34	500/1000/2000/3000/5000	450.00



GW30

## CONDENSERS WITH GROUND JOINTS

### GW40 AIR CONDENSER 'LALCO'

Cat. No.	Cone	Effective Length mm	Price/Pcs.
GW40/02	B19	200	200.00
GW40/03	B24	300	250.00
GW40/04	B19	400	275.00
GW40/05	B24	500	300.00
GW40/06	B34	500	390.00
GW40/07	B24	600	390.00
GW40/08	B24	750	450.00

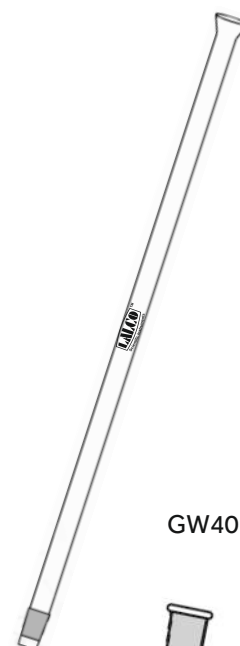
### GW41 LIEBIG CONDENSER 'LALCO'

Cat. No.	Socket	Cone	Effective Length mm	Price/Pcs.
GW41/01	B14	B14	150	250.00
GW41/02	B19	B19	200	320.00
GW41/03	B19	B19	300	350.00
GW41/04	B24	B24	300	400.00
GW41/05	B24	B24	400	500.00
GW41/06	B24	B24	500	550.00
GW41/07	B24	B24	600	650.00
GW41/08	B29	B29	300	550.00
GW41/09	B29	B29	400	650.00
GW41/10	B34	B34	400	900.00
GW41/11	B34	B34	600	1150.00

### GW42 ALLIHN CONDENSER 'LALCO'

(Bulb Condenser) with cone & socket

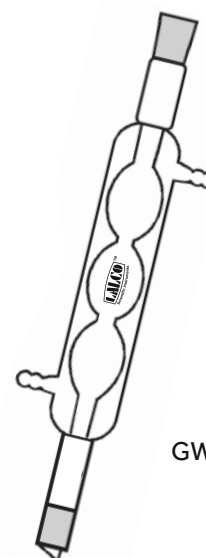
Cat. No.	Socket	Cone	Effective Length mm	Price/Pcs.
GW42/01	B19	B19	200	490.00
GW42/02	B19	B19	300	560.00
GW42/03	B24	B24	200	540.00
GW42/04	B24	B24	300	490.00
GW42/05	B24	B24	400	750.00
GW42/06	B29	B29	300	730.00
GW42/07	B29	B29	400	950.00
GW42/08	B34	B34	400	1100.00
GW42/09	B34	B34	500	1250.00



GW40



GW41

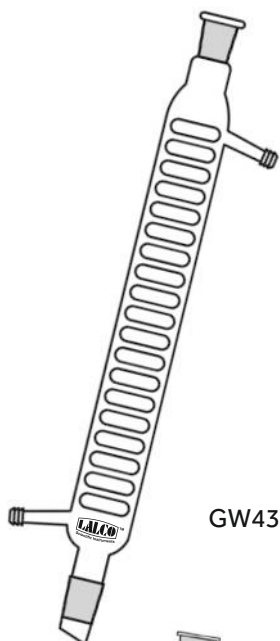


GW42

## GW43 COIL CONDENSER (JACKETED) 'LALCO'

Graham with cone & socket, Jacket distillate type

Cat. No.	Socket	Cone	Effective Length mm	Price/Pcs.
GW43/01	B14	B14	150	550.00
GW43/02	B19	B19	200	590.00
GW43/03	B24	B24	200	620.00
GW43/04	B19	B19	300	650.00
GW43/05	B24	B24	300	750.00
GW43/06	B24	B24	400	850.00
GW43/07	B24	B24	500	900.00
GW43/08	B29	B29	300	1100.00
GW43/09	B29	B29	400	1250.00
GW43/10	B29	B29	500	1850.00
GW43/11	B34	B34	500	2000.00
GW43/12	B34	B34	600	2750.00

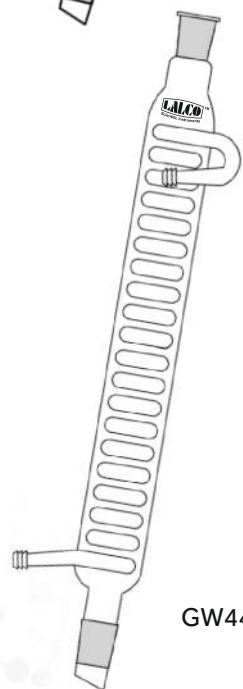


GW43

## GW44 COIL CONDENSER (COIL) 'LALCO'

Graham with cone & socket, Coil distillate type

Cat. No.	Socket	Cone	Effective Length mm	Price/Pcs.
GW44/01	B14	B14	150	550.00
GW44/02	B19	B19	200	590.00
GW44/03	B24	B24	200	620.00
GW44/04	B19	B19	300	650.00
GW44/05	B24	B24	300	750.00
GW44/06	B24	B24	400	850.00
GW44/07	B24	B24	500	900.00
GW44/08	B29	B29	300	1100.00
GW44/09	B29	B29	400	1250.00
GW44/10	B29	B29	500	1850.00
GW44/11	B34	B34	500	2000.00
GW44/12	B34	B34	600	2750.00

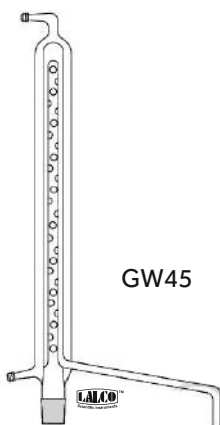


GW44

## GW45 CONDENSER DOUBLE COIL-VERTICAL 'LALCO'

For Water Distillation

Cat. No.	Cone Joint	Jacket Length (mm)	Price/Pcs.
GW45/01	B24	300	3480.00
GW45/02	B24	375	3860.00
GW45/03	B34	450	4375.00
GW45/04	B55	300	5120.00
GW45/05	B55	375	5920.00
GW45/06	B55	450	6865.00



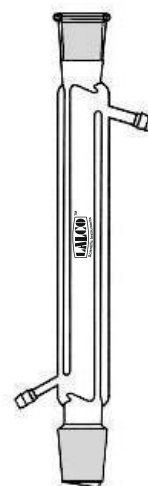
GW45

# LABORATORY GLASSWARE



## GW46 CONDENSERS, DAVIES (DOUBLE SURFACE) 'LALCO'

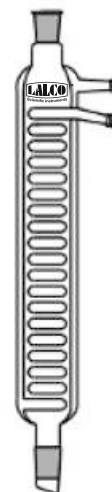
Cat. No.	Socket	Cone	Effective Length mm	Price/Pcs.
GW46/01	B19	B19	150	720.00
GW46/02	B19	B19	200	770.00
GW46/03	B24	B24	300	1030.00
GW46/04	B24	B24	400	1630.00
GW46/05	B24	B24	600	2060.00
GW46/06	B29	B29	300	1240.00
GW46/07	B29	B29	400	1720.00
GW46/08	B29	B29	600	2290.00
GW46/09	B34	B34	500	1930.00
GW46/10	B34	B34	600	2390.00



GW46

## GW47 CONDENSERS, JACKETED COIL (DOUBLE) 'LALCO'

Cat. No.	Socket	Cone	Effective Length mm	Price/Pcs.
GW47/01	B19	B19	150	1050.00
GW47/02	B19	B19	200	1150.00
GW47/03	B24	B24	300	1290.00
GW47/04	B24	B24	400	2440.00
GW47/05	B24	B24	600	3090.00
GW47/06	B29	B29	300	1850.00
GW47/07	B29	B29	400	2490.00
GW47/08	B29	B29	600	3530.00
GW47/09	B34	B34	500	3410.00
GW47/10	B34	B34	600	3590.00



GW47

## FLASKS

### GW75 FLASKS - ROUND BOTTOM / FLAT BOTTOM - PLAIN NECK 'LALCO'

Cat. No.	Capacity (ml)	Price/Pcs.
GW75/01	25	90.00
GW75/02	50	120.00
GW75/03	100	130.00
GW75/04	150	150.00
GW75/05	250	170.00
GW75/06	500	270.00
GW75/07	1000	400.00
GW75/08	2000	1090.00
GW75/09	3000	2650.00
GW75/10	5000	2950.00
GW75/11	10000	6050.00
GW75/12	20000	10500.00



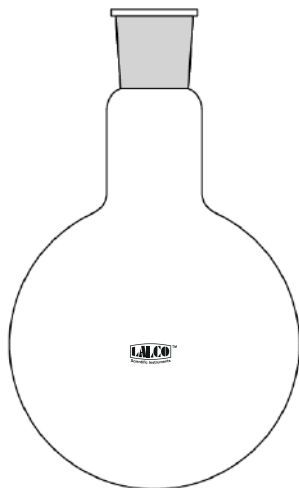
GW75





## GW76 FLASK ROUND BOTTOM OR FLAT BOTTOM 'LALCO'

SINGLE NECK with joint



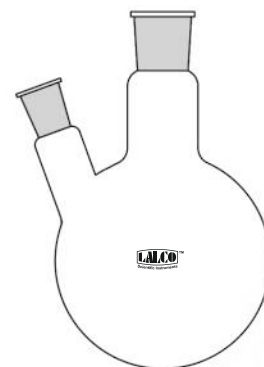
GW76

Cat. No.	Socket	Flask Cap. ml	Price/Pcs.
GW76/04	B14	25	130.00
GW76/05	B14	50	150.00
GW76/06	B14	100	170.00
GW76/07	B19	50	160.00
GW76/08	B24	50	160.00
GW76/09	B19	100	170.00
GW76/10	B19	150	190.00
GW76/11	B19	250	225.00
GW76/12	B24	100	170.00
GW76/13	B24	150	190.00
GW76/14	B24	250	225.00
GW76/15	B29	250	225.00
GW76/16	B34	250	225.00
GW76/17	B24	500	300.00
GW76/18	B29	500	330.00
GW76/18A	B34	500	345.00
GW76/19	B24	1000	440.00
GW76/20	B24	2000	1150.00
GW76/21	B24	3000	2150.00
GW76/22	B29	1000	440.00
GW76/23	B34	1000	460.00
GW76/24	B34	2000	1150.00
GW76/25	B29	3000	2250.00
GW76/26	B34	3000	2250.00
GW76/27	B24	5000	3350.00
GW76/28	B34	5000	3350.00
GW76/29	B40	5000	3350.00
GW76/30	B55	5000	3350.00
GW76/31	B34	10000	6700.00
GW76/32	B40	10000	6700.00
GW76/33	B50	10000	6700.00
GW76/34	B55	10000	6700.00
GW76/35	B34	20000	11500.00
GW76/36	B40	20000	11500.00
GW76/37	B50	20000	11500.00
GW76/38	B55	20000	11500.00
GW76/39	B55	50000	37500.00

## GW77 FLASK ROUND BOTTOM 'LALCO'

**TWO NECK**, centre neck and one side neck (Parallel or Angle side neck)

Cat. No.	Flask Cap. ml	Centre Socket	Side Socket	Price/Pcs.
GW77/01	25	B14	B14	250.00
GW77/02	50	B19	B14	250.00
GW77/03	100	B24	B19	300.00
GW77/04	250	B19	B14	340.00
GW77/05	250	B24	B14	340.00
GW77/06	250	B24	B19	340.00
GW77/07	500	B24	B14	490.00
GW77/08	500	B24	B19	490.00
GW77/09	500	B24	B24	490.00
GW77/10	1000	B24	B14	790.00
GW77/11	1000	B24	B19	790.00
GW77/12	1000	B24	B24	790.00
GW77/13	1000	B34	B19	790.00
GW77/14	1000	B34	B24	790.00
GW77/15	2000	B24	B14	1600.00
GW77/16	2000	B24	B19	1600.00
GW77/17	2000	B24	B24	1600.00
GW77/18	2000	B34	B19	1600.00
GW77/19	2000	B34	B24	1600.00
GW77/20	3000	B24	B19	2800.00
GW77/21	3000	B34	B24	2800.00
GW77/22	5000	B34	B19	4200.00
GW77/23	5000	B34	B24	4200.00
GW77/24	5000	B55	B24	4200.00
GW77/25	10000	B34	B24	7300.00
GW77/26	10000	B55	B24	7300.00
GW77/27	20000	B34	B24	12900.00
GW77/28	20000	B55	B24	12900.00
GW77/29	50000	B55	B24	40500.00

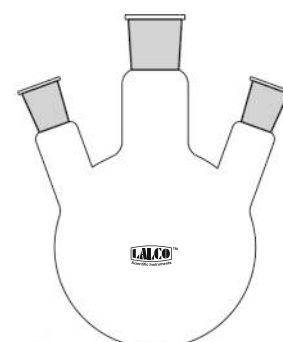


GW77

## GW79 FLASK ROUND BOTTOM 'LALCO'

**THREE NECKS**, centre neck and two side neck (Parallel or Angle side neck)

Cat. No.	Flask Cap. ml	Centre Socket	Side Socket	Price/Pcs.
GW79/01	25	B19	B14	300.00
GW79/02	50	B19	B14	320.00
GW79/03	100	B24	B19	340.00
GW79/04	250	B19	B14	440.00
GW79/05	250	B19	B19	440.00
GW79/06	250	B24	B14	440.00
GW79/07	250	B24	B19	440.00



GW79

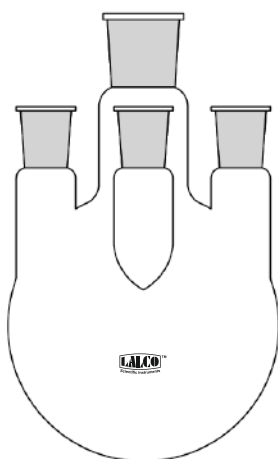


GW79

Cat. No.	Flask Cap. ml	Centre Socket	Side Socket	Price/Pcs.
GW79/08	250	B29	B14	440.00
GW79/09	500	B24	B14	650.00
GW79/10	500	B24	B19	650.00
GW79/11	500	B29	B14	650.00
GW79/12	500	B29	B19	650.00
GW79/13	1000	B24	B14	950.00
GW79/14	1000	B24	B19	950.00
GW79/15	1000	B24	B24	950.00
GW79/16	1000	B34	B19	950.00
GW79/17	1000	B34	B24	950.00
GW79/18	2000	B24	B19	1750.00
GW79/19	2000	B24	B24	1750.00
GW79/20	2000	B34	B19	1750.00
GW79/21	2000	B34	B24	1750.00
GW79/22	3000	B34	B19	3700.00
GW79/23	3000	B34	B24	3700.00
GW79/24	5000	B34	B19	5100.00
GW79/25	5000	B34	B24	5100.00
GW79/26	5000	B45	B24	5100.00
GW79/27	5000	B55	B24	5100.00
GW79/28	10000	B34	B24	8800.00
GW79/29	10000	B45	B24	8800.00
GW79/30	10000	B55	B24	8800.00
GW79/31	20000	B34	B24	14500.00
GW79/32	20000	B55	B24	14500.00
GW79/33	20000	B55	B34	14500.00
GW79/34	50000	B55	B34	40000.00

## GW81 FLASK ROUND BOTTOM 'LALCO'

FOUR NECKS, centre neck and two side neck (Parallel or Angle side neck)



GW81

Cat. No.	Flask Cap. ml	Centre Socket	Side Socket	Price/Pcs.
GW81/01	100	B24	B19	650.00
GW81/02	250	B24	B19 or 24	650.00
GW81/03	250	B29 or 34	B19 or 24	650.00
GW81/04	500	B24	B19 or 24	1050.00
GW81/05	500	B29 or 34	B19 or 24	1050.00
GW81/06	1000	B24	B19 or 24	1290.00
GW81/07	1000	B29 or 34	B24	1290.00
GW81/08	2000	B24	B24	2090.00
GW81/09	2000	B29 or 34	B24	2090.00
GW81/10	3000	B34	B24	3950.00
GW81/11	5000	B34	B24	5800.00
GW81/12	10000	B34	B24	11500.00
GW81/13	10000	B55	B34	11500.00
GW81/14	20000	B34	B24	16900.00
GW81/15	20000	B55	B34	16900.00
GW81/16	50000	B55	B34	44000.00

# LABORATORY GLASSWARE

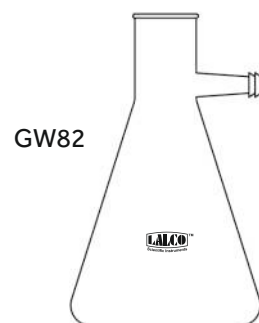


(While placing order please mention the size the size of the centre socket and side socket and whether at angle or parallel)

## GW82 FILTER (BUCHNER) FLASK 'LALCO'

Heavy wall, bolt neck with tubulation

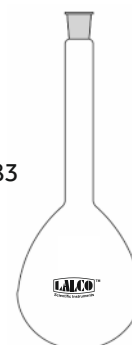
Cat. No.	Flask Cap. ml	Price/Pcs.
GW82/01	50	200.00
GW82/02	100	300.00
GW82/03	250	450.00
GW82/04	500	550.00
GW82/05	1000	950.00
GW82/06	2000	1750.00
GW82/07	5000	6000.00
GW82/08	10000*	10500.00
GW82/09	20000*	16500.00



GW82

## GW83 FLASK KJELDHAL 'LALCO' WITH SOCKET 'LALCO'

Cat. No.	Flask Cap. ml	Socket Size	Price/Pcs.
GW83/01	100	B24	270.00
GW83/02	300	B24	390.00
GW83/03	500	B24	650.00
GW83/04	800	B24	750.00



GW83

## GW84 FLASK KJELDHAL 'LALCO' PLAIN - LONG NECK 'LALCO'

Cat. No.	Flask Cap. ml	Price/Pcs.
GW84/01	100	200.00
GW84/02	300	340.00
GW84/03	500	600.00
GW84/04	800	700.00

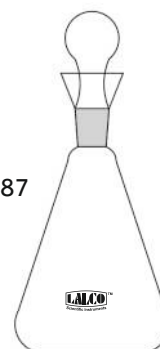


GW84

## GW87 FLASK IODINE 'LALCO'

Funnel shaped cup with stopper

Cat. No.	Flask Cap. ml	Price/Pcs.
GW87/01	100	250.00
GW87/02	250	300.00
GW87/03	500	300.00
Spare Stopper		150.00



GW87

## GW91 FLASK TILT MEASURING WITH RESERVOIR 'LALCO'

Cat. No.	Measuring Cap. ml	Flask Capacity ml	Price/Pcs.
GW91/01	5	250	650.00
GW91/02	10	250	650.00
GW91/03	20	500	710.00
GW91/04	25	500	710.00



GW91

## GW92 FLASK PEAR SHAPE 'LALCO'

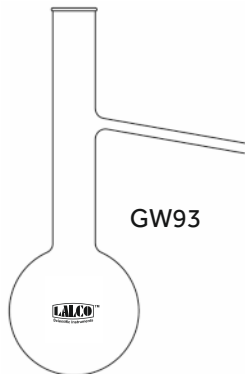
Two neck, side neck at angle



Cat. No.	Flask Cap. ml	Socket Size	Price/Pcs.
GW92/01	10	B14	120.00
GW92/02	25	B14	150.00
GW92/03	50	B14	200.00
GW92/04	100	B24	265.00

## GW93 DISTILLATION FLASK, ROUND BOTTOM 'LALCO'

With side tube at angle



Cat. No.	Flask Cap. ml	Price/Pcs.
GW93/01	100	260.00
GW93/02	125	280.00
GW93/03	250	300.00
GW93/04	500	350.00
GW93/05	1000	500.00

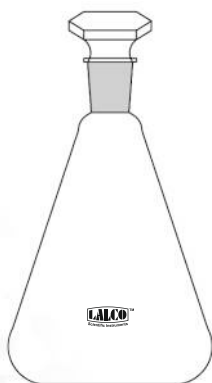
## GW94 FLASK CONICAL (ERLENMEYER) 'LALCO'

Narrow mouth graduated



Cat. No.	Capacity ml	Graduation Interval ml	Price/Pcs.
GW94/01	10	5	50.00
GW94/02	25	5	55.00
GW94/03	50	10	60.00
GW94/04	100	25	75.00
GW94/05	150	25	100.00
GW94/06	250	50	130.00
GW94/07	500	100	185.00
GW94/08	1000	200	350.00
GW94/09	2000	200	850.00
GW94/10	5000	-	2450.00

## GW95 FLASK CONICAL WITH STOPPER 'LALCO'



Cat. No.	Capacity ml	Stopper Size	Price/Pcs.
GW95/01	25	B14	160.00
GW95/02	50	B19	180.00
GW95/03	100	B24	230.00
GW95/04	250	B24	260.00
GW95/05	500	B24	380.00
GW95/06	1000	B24	600.00
GW95/07	2000	B34	1190.00

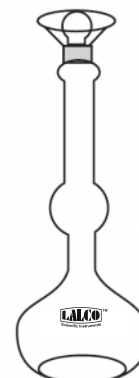


# LABORATORY GLASSWARE



## GW97 LECHATELIER FLASK 'LALCO' 1600.00

For Sp. Gr. Test, Bulb Capacity approx. 250ml. neck graduation from 0 to 1ml. and 18 to 24ml. in 0.1ml.



GW97

## GW98 FLASK REACTION VESSEL 'LALCO'

Wide Mouth, Flat Flange 100mm I.D., 150mm O.D.

Cat. No.	Capacity ml	Price/Pcs.
GW98/01	1000	1820.00
GW98/02	2000	2200.00
GW98/03	3000	3600.00
GW98/04	5000	4850.00
GW98/05	10000	9800.00
GW98/06	20000	16600.00

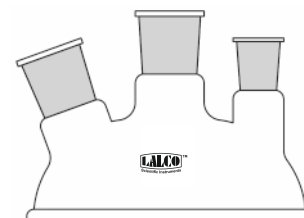


GW98

## GW98A LIDS FOR REACTION VESSEL 'LALCO'

Flat Flange 100mm I.D., 150mm O.D.

Cat. No.	No. of Necks	Price/Pcs.
GW98A/01	1	2900.00
GW98A/02	2	3200.00
GW98A/03	3	3500.00
GW98A/04	4	3800.00
GW98A/05	5	4100.00

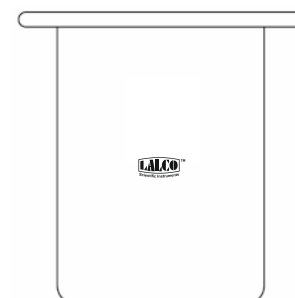


GW98A

## GW99 FLASK REACTION KETTLE 'LALCO'

Wide Mouth, Flat Flange 100mm I.D., 150mm O.D.

Cat. No.	Capacity ml	Inner Dia (mm)	Height (mm)	Price/Pcs.
GW99/01	500	77	140	3400.00
GW99/02	1000	105	150	4150.00
GW99/03	2000	140	200	5000.00
GW99/04	3000	155	210	6470.00
GW99/05	4000	155	280	6300.00
GW99/06	5000	155	350	6450.00

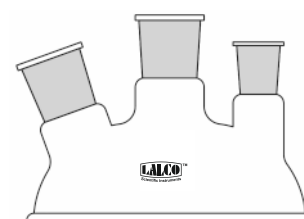


GW99

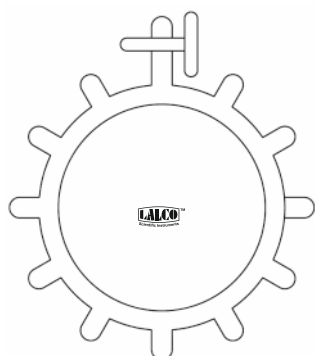
## GW99A LIDS FOR REACTION KETTLE 'LALCO'

Flat Flange 100mm I.D., 150mm O.D.

Cat. No.	Capacity ml	Price/Pcs.
GW99A/01	500	3000.00
GW99A/02	1000	3000.00
GW99A/03	2000	3300.00
GW99A/04	3000	3300.00
GW99A/05	4000	3300.00
GW99A/06	5000	3600.00



GW99A



GW100



GW100A



GW102



GW103

## GW100 S.S. CLIPS FOR REACTION VESSEL & KETTLE 'LALCO'

Cat. No.	Capacity ml	Price/Pcs.
GW100/01	500	850.00
GW100/02	1000 / 2000	950.00
GW100/03	3000 / 4000 / 5000	1100.00

## GW100A LOCKING CLIPS (PLASTIC) FOR GROUND JOINT 'LALCO'

Cat. No.	Size	Price/Pcs.
GW100A/01	B14	35.00
GW100A/02	B19	50.00
GW100A/03	B24	60.00
GW100A/04	B29	70.00
GW100A/05	B34	85.00

## GW101 TEFLON GASKETS 'LALCO'

800.00

For 100mm flat flanges.

## GW102 FLASK - ROTAVAPOUR WITH GROUND JOINT 'LALCO'

Cat. No.	Capacity ml	Socket Size	Price/Pcs.
GW102/01	25	B24	260.00
GW102/02	50	B24	285.00
GW102/03	100	B29	320.00
GW102/04	250	B29	360.00
GW102/05	500	B29	510.00
GW102/06	1000	B29	770.00
GW102/07	2000	B29	1180.00
GW102/08	3000	B29	2900.00

## GW103 FLASKS - RECEIVER FOR ROTAVAPOUR, WITH CUP JOINT 'LALCO'

Cat. No.	Capacity ml	Neck Size	Price/Pcs.
GW103/01	50	S35	275.00
GW103/02	100	S35	295.00
GW103/03	250	S35	340.00
GW103/04	500	S35	470.00
GW103/05	1000	S35	670.00
GW103/06	2000	S35	1055.00

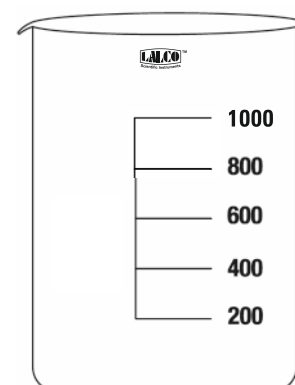
# LABORATORY GLASSWARE



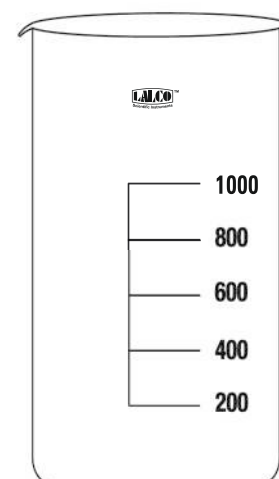
## GW104 BEAKER LOW FORM GRADUATED 'LALCO'

High Resistance to Chemical Attack

Cat. No.	Capacity ml	Price/Pcs.
GW104/01	5	50.00
GW104/02	10	55.00
GW104/03	25	60.00
GW104/04	50	65.00
GW104/05	100	70.00
GW104/06	150	80.00
GW104/07	250	90.00
GW104/08	400	160.00
GW104/09	500	160.00
GW104/10	600	180.00
GW104/11	1000	325.00
GW104/12	2000	650.00
GW104/13	3000	1690.00
GW104/14	5000	3000.00
GW104/15	10000	8400.00



GW104



GW104A

## GW104A BEAKER TALL FORM GRADUATED 'LALCO'

Cat. No.	Capacity ml	Price/Pcs.
GW104A/01	50	105.00
GW104A/02	100	120.00
GW104A/03	150	135.00
GW104A/04	250	150.00
GW104A/05	500	220.00
GW104A/06	1000	370.00

## GW732 STOPPERS 'LALCO'

Cat. No.	Joint Size	Hollow - Hexagonal Head Price/Pcs.	Hollow - Penny Head Price/Pcs.
GW732/01	B-10	40.00	70.00
GW732/02	B-14	45.00	80.00
GW732/03	B-19	50.00	90.00
GW732/04	B-24	65.00	100.00
GW732/05	B-29	85.00	170.00
GW732/06	B-34	110.00	280.00
GW732/07	B-45	250.00	370.00
GW732/08	B-55	330.00	450.00



GW732

## SEPARATING FUNNELS

### GW105 SEPARATING FUNNEL WITH GLASS STOPCOCK 'LALCO'

Interchangeable Glass Stopper, conical / pear shape with plain stem

Cat. No.	Capacity ml	Price/Pcs.
GW105/01	25/30	310.00
GW105/02	50/60	320.00
GW105/03	100/125	390.00
GW105/04	250	520.00
GW105/05	500	820.00
GW105/06	1000	1190.00
GW105/07	2000	2420.00
GW105/08	5000	9780.00
GW105/09	10000	12100.00

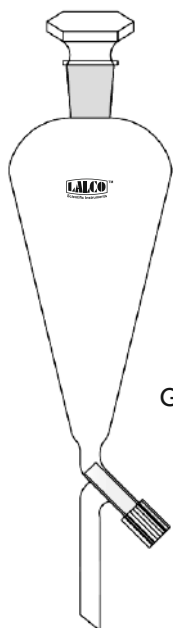


GW105

### GW106 SEPARATING FUNNEL WITH SCREW TYPE 'LALCO'

P.T.F.E. Rotaflow Stopcock, interchangeable stopper, conical/ pear shape with plain stem

Cat. No.	Capacity ml	Price/Pcs.
GW106/01	25/30	300.00
GW106/02	50/60	315.00
GW106/03	100/125	380.00
GW106/04	250	510.00
GW106/05	500	810.00
GW106/06	1000	1170.00
GW106/07	2000	2400.00
GW106/08	5000	6760.00
GW106/09	10000	11900.00



GW106

### GW107 SEPARATING FUNNEL WITH P.T.F.E. KEY 'LALCO'

P.T.F.E. Key, interchangeable stopper, conical/pear shape with plain stem

Cat. No.	Capacity ml	Price/Pcs.
GW107/01	25/30	620.00
GW107/02	50/60	655.00
GW107/03	100/125	850.00
GW107/04	250	960.00
GW107/05	500	1290.00
GW107/06	1000	1710.00
GW107/07	2000	3350.00
GW107/08	5000	7900.00
GW107/09	10000	14800.00
GW107/10	20000	18500.00



GW107

# LABORATORY GLASSWARE



## GW109 FUNNEL - ADDITION / DROPPING 'LALCO'

With Screw Type **P.T.F.E. Needle Valve stopcock** and stem with cone

Cat. No.	Capacity ml	Socket Size	Cone Size	Price/Pcs.
GW109/01	25	B14	B14	390.00
GW109/02	50	B19	B19	410.00
GW109/03	100	B19 or 24	B19 or 24	500.00
GW109/04	250	B19 or 24	B19 or 24	640.00
GW109/05	500	B24 or 34	B24 or 34	1070.00
GW109/06	1000	B24 or 34	B24 or 34	1820.00

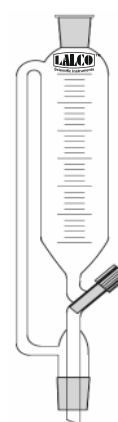


GW109

## GW111 FUNNEL PRESSURE EQUALISING 'LALCO'

Cylindrical with socket, **Glass Key stopcock / P.T.F.E. Rotaflow stopcock** & stem with cone - Graduated

Cat. No.	Capacity ml	Socket Size	Cone Size	Price/Pcs.
GW111/01	50	B19	B19	640.00
GW111/02	100	B19	B19	710.00
GW111/03	250	B19	B19	855.00
GW111/04	250	B24	B24	890.00
GW111/05	500	B24	B24	1550.00
GW111/06	500	B34	B34	1630.00

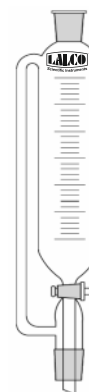


GW111

## GW114 FUNNEL PRESSURE EQUALISING 'LALCO'

Cylindrical with socket, **P.T.F.E. Key stopcock** & stem with cone - Graduated

Cat. No.	Capacity ml	Socket Size	Cone Size	Price/Pcs.
GW114/01	50	B19	B19	870.00
GW114/02	100	B19	B19	1090.00
GW114/03	250	B19	B19	1320.00
GW114/04	250	B24	B24	1390.00
GW114/05	500	B24	B24	2090.00
GW114/06	500	B34	B34	2150.00

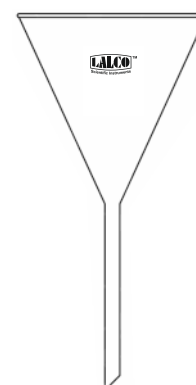


GW114

## GW116 FUNNEL FILTER, PLAIN 'LALCO'

60 degree angle with stem

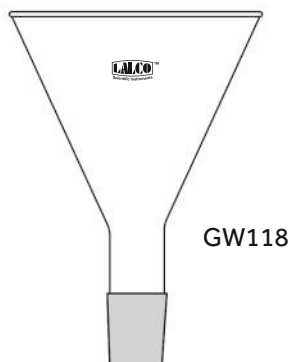
Cat. No.	Diameter mm	Price/Pcs.
GW116/01	25	45.00
GW116/02	50	55.00
GW116/03	65	72.00
GW116/04	75	78.00
GW116/05	100	120.00
GW116/06	125	385.00
GW116/07	150	455.00



GW116



## GW118 POWDER FUNNEL WITH CONE 'LALCO'



Cat. No.	Diameter mm	Cone Size	Price/Pcs.
GW118/01	50	B14	195.00
GW118/02	75	B19 or 24	230.00
GW118/03	100	B24	260.00
GW118/04	125	B24	495.00
GW118/05	150	B24 or 34	620.00

## INTERCHANGEABLE DISTILLATION ASSEMBLIES

### GW130 STEAM DISTILLATION ASSEMBLY 'LALCO' 2350.00



Consisting of flask R.B. 500ml. Two necked, Splash head, Air leak tube, Liebig condenser 200mm, and receiver adapter

### GW131 STEAM DISTILLATION ASSEMBLY 'LALCO' 2490.00

Same as cat. no.130 but capacity of flask 1000ml



### GW132 STEAM DISTILLATION ASSEMBLY 'LALCO' 1900.00

consisting of flask R.B. 500ml. steam distillation head, liebig condenser 300/400mm, and receiver adapter



### GW134 STEAM DISTILLATION ASSEMBLY 'LALCO' 2150.00

Consisting of R.B. flask 250ml, multiple Adapter two necks, liebig condenser, 300/400mm, receiver adapter and dropping funnel 100ml



### GW136 DISTILLATION ASSEMBLY SIMPLE TYPE 'LALCO'

Consisting of R.B. flask, recovery bend, liebig condenser and receiver adapter.

Cat. No.	Flask Cap. ml	Condenser Effective Length (mm)	Price/Pcs.
GW136/01	250	200	1100.00
GW136/02	500	300	1350.00
GW136/03	1000	300	1590.00
GW136/04	2000	400	2420.00



### GW137 DISTILLATION ASSEMBLY 'LALCO'

Consisting of R.B. flask, splash head, liebig condenser and receiver adapter.

Cat. No.	Flask Cap. ml	Condenser Effective Length (mm)	Price/Pcs.
GW137/01	1000	200	2800.00
GW137/02	2000	200	3200.00
GW137/03	3000	300	5000.00
GW137/04	5000	400	6500.00
GW137/05	10000	600	12000.00

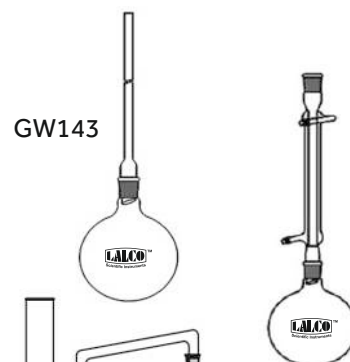
# LABORATORY GLASSWARE



## GW143 REFLUX ASSEMBLY 'LALCO'

Consisting of R.B. flask and Air Condenser

Cat. No.	Flask Cap. ml	Condenser Effective Length (mm)	Price/Pcs.
GW143/01	100	500	530.00
GW143/02	250	750	550.00
GW143/03	500	1000	690.00



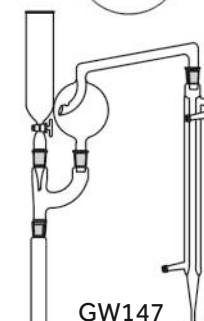
GW143

GW144

## GW144 REFLUX ASSEMBLY 'LALCO'

Consisting of R.B. flask and Liebig Condenser

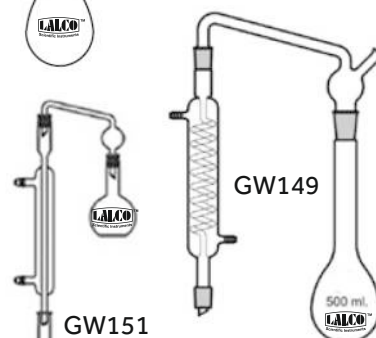
Cat. No.	Flask Cap. ml	Condenser Effective Length (mm)	Price/Pcs.
GW144/01	100	300	650.00
GW144/02	250	400	790.00
GW144/03	500	500	930.00



GW147

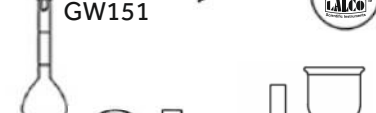
## GW147 KJELDHAL DISTILLATION ASSEMBLY 'LALCO' 2700.00

Micro Kjeldhal Ass. Consists of Kjeldhal Flask 500ml., Multiple Adapter Two Way, Splash Head Vertical, Liebig Condenser, Receiver Adapter & Dropping Funnel 100ml.



## GW149 AMMONIA DISTILLATION APPARATUS 'LALCO' 2300.00

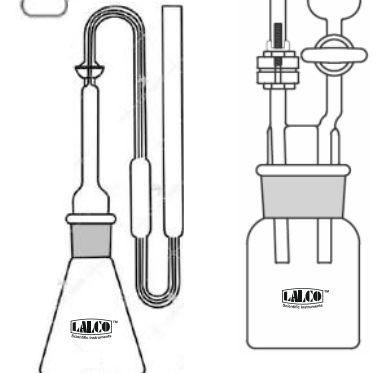
Consists of Kjeldhal Flask, Splash Head & Graham Condenser



GW149

## GW151 R M VALUE APPARATUS 'LALCO' 1850.00

With Interchangeable Joints



GW151

GW155

GW156

## ARSENIC APPARATUS AND MANOMETERS

### GW155 ARSENIC APPARATUS 'LALCO' 1250.00

(Silver diethyedithio carbonate method) according to I.S. specifications with interchangeable fitting

### GW156 ARSENIC APPARATUS 'LALCO' 1550.00

Gutzeit modified form according to I.S. specifications with interchangeable fitting

### GW157 ARSENIC APPARATUS 'LALCO' 750.00

As per B.P. specifications with soda glass bottle rubber fitting



GW157

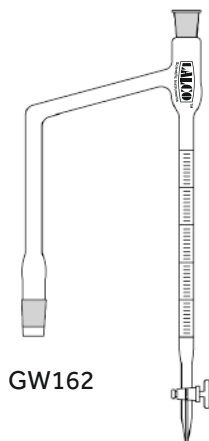


GW159

### GW159 VACUSTAT (MACLEOD) 'LALCO' 13200.00

With stand, range 10mm to 0.01mm/Hg pressure (supplied w/o mercury) mercury charges extra as per time of delivery

## DEAN & STARK / CLEVENGAR APPARATUS



### GW162 DEAN & STARK MOISTURE DETERMINATION 'LALCO'

With P.T.F.E. Rotaflow Needle Valve / Glass Stop Cock

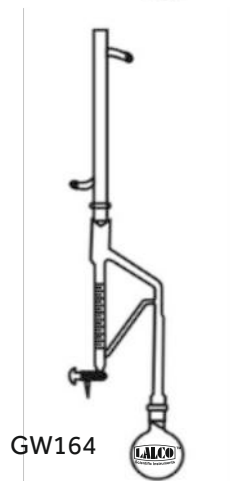
Cat. No.	Cone & Socket	Capacity ml	Price/Pcs.
GW162/01	B19	2	1075.00
GW162/02	B24	5	1075.00
GW162/03	B24	10	1100.00
GW162/04	B24	25	1150.00



### GW163 DEAN & STARK MOISTURE DETERMINATION 'LALCO'

With P.T.F.E. Rotaflow Needle Valve / Glass Stop Cock, (Complete with R.B. & Condenser)

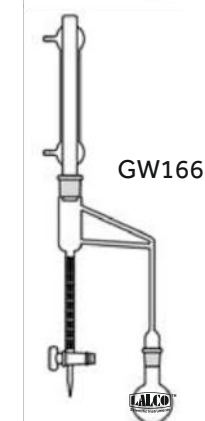
Cat. No.	Cone & Socket	Capacity ml	Price/Pcs.
GW163/01	B19	2	2450.00
GW163/02	B24	5	2450.00
GW163/03	B24	10	2550.00
GW163/04	B24	25	2650.00



### GW164 CLEVINGER APPARATUS (LIGHTER THAN WATER) 'LALCO'

Receivers for Estimation of Volatile Oils Lighter than Water, (Complete with R.B. & Condenser)

Cat. No.	Cone & Socket	Capacity ml	Price/Pcs.
GW164/01	B19	2	2650.00
GW164/02	B24	5	2650.00
GW164/03	B24	10	2750.00
GW164/04	B24	25	2850.00



### GW166 CLEVINGER APPARATUS (HEAVIER THAN WATER) 'LALCO'

Receivers for Estimation of Volatile Oils Heavier than Water, (Complete with R.B. & Condenser)

Cat. No.	Cone & Socket	Capacity ml	Price/Pcs.
GW166/01	B19	2	2650.00
GW166/02	B24	5	2650.00
GW166/03	B24	10	2750.00
GW166/04	B24	25	2850.00

# LABORATORY GLASSWARE

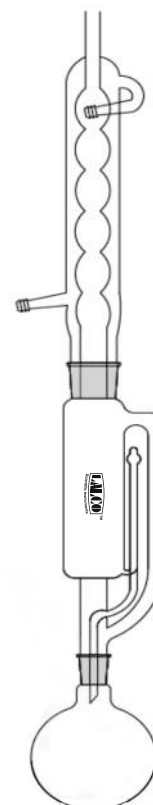


## SOXHLET EXTRACTION APPARATUS

### GW235 SOXHLET EXTRACTION APPARATUS 'LALCO'

Consisting of flask extractor and condenser

Cat. No.	Extractor cap. ml	Extractor Socket	Extractor Cone	Flask Cap. ml	Price/Pcs.
GW235/01	20	B24	B19	50	1300.00
GW235/02	40	B29	B24	100	1400.00
GW235/04	60	B34	B24	150	1500.00
GW235/05	100	B34	B24	250	1700.00
GW235/07	200	B50	B24	500	2400.00
GW235/08	500	B55	B24	1000	3550.00
GW235/09	600	B55	B24	2000	6450.00
GW235/10	1000	B55	B34	3000	8350.00
GW235/11	2000	B55	B34	5000	13500.00
GW235/13	3000	B55	B34	10000	17900.00

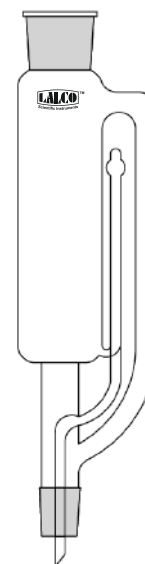


GW235

### GW236 SPARE EXTRACTOR 'LALCO'

For Soxhlet apparatus

Cat. No.	Extractor cap. ml	Socket	Cone	Price/Pcs.
GW236/01	20	B24	B19	500.00
GW236/02	40	B29	B24	600.00
GW236/03	60	B34	B24	800.00
GW236/04	100	B34	B24	850.00
GW236/06	200	B50	B24	1250.00
GW236/07	500	B50	B24	1700.00
GW236/08	600	B50	B24	1900.00
GW236/09	1000	B55	B34	3000.00
GW236/10	2000	B55	B34	7200.00
GW236/12	3000	B55	B34	8500.00

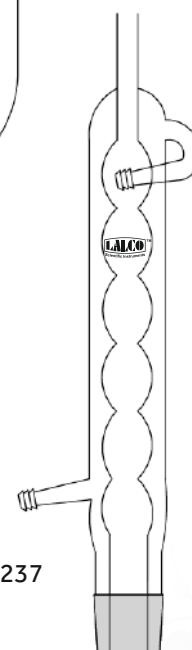


GW236

### GW237 SPARE CONDENSERS 'LALCO'

For Extraction Apparatus

Cat. No.	Capacity ml	Socket	Price/Pcs.
GW237/01	40	B34	450.00
GW237/02	60	B34	470.00
GW237/03	100	B40	750.00
GW237/04	200	B50	1100.00
GW237/06	500	B55	1800.00
GW237/07	1000	B55	3120.00
GW237/08	2000	B55	4200.00



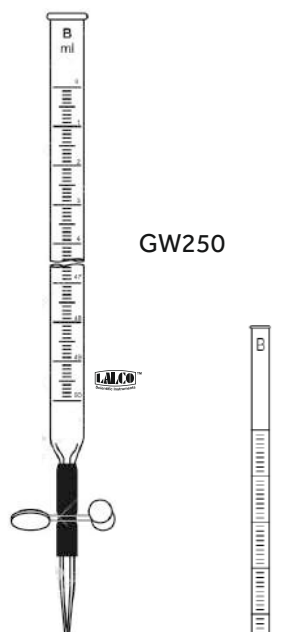
GW237

## BURETTES

### GW250 BURETTE WITH PINCH CLIP 'LALCO'

Rubber Tubing and Glass Jet. Accuracy as per **Class B** of I.S. 1997: 2008

Cat. No.	Cap. ml	Sub Div. ml	Tolerance +- ml.	Price/Pcs.
GW250/01	10	0.05	0.05	200.00
GW250/02	25	0.10	0.10	180.00
GW250/03	50	0.10	0.10	190.00
GW250/04	100	0.20	0.20	230.00
<b>Optional :</b> Pinch Clip with Jet & Rubber Tubing				30.00
Pinch Clip Only				20.00



GW250

GW252

### GW252 BURETTE WITH STRAIGHT BORE GLASS KEY STOP COCK 'LALCO'

Accuracy as per **Class B** of I.S.1997:2008

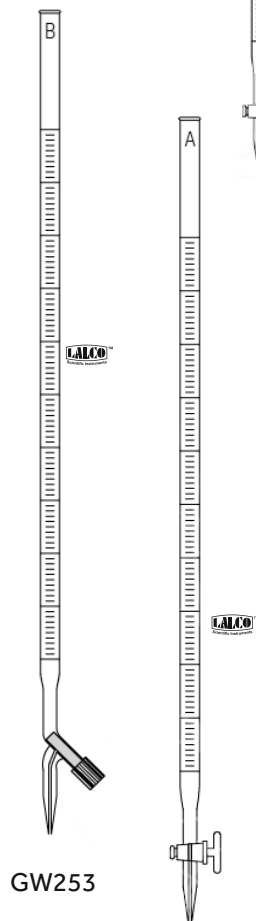
Cat. No.	Cap. ml	Sub Div. ml	Tolerance +- ml.	Price/Pcs.
GW252/01	10	0.05	0.05	450.00
GW252/02	25	0.10	0.10	390.00
GW252/03	50	0.10	0.10	410.00
GW252/04	100	0.20	0.20	500.00



### GW253 BURETTE WITH SCREW TYPE P.T.F.E. ROTAFLOW 'LALCO'

Needle Valve Stopcock Accuracy as per **Class B** of I.S.1997, ISO: 2008

Cat. No.	Cap. ml	Sub Div. ml	Tolerance +- ml.	Price/Pcs.
GW253/01	10	0.05	0.05	260.00
GW253/02	25	0.10	0.10	250.00
GW253/03	50	0.10	0.10	300.00
GW253/04	100	0.20	0.20	350.00



GW253

### GW254 BURETTE WITH STRAIGHT BORE GLASS KEY STOP COCK 'LALCO'

Accuracy as per **Class A** of I.S.1997, ISO: 385 with certificate

Cat. No.	Cap. ml	Sub Div. ml	Tolerance +- ml.	Price/Pcs.
GW254/01	5	0.02	0.01	950.00
GW254/02	10	0.05	0.03	800.00
GW254/03	25	0.10	0.05	660.00
GW254/04	50	0.10	0.05	690.00
GW254/05	100	0.20	0.10	830.00

GW254



# LABORATORY GLASSWARE



## GW255 BURETTE WITH SCREW TYPE P.T.F.E. ROTA FLOW STOP COCK 'LALCO'

Accuracy as per **Class A** of I.S.1997, ISO: 385 with certificate

Cat. No.	Cap. ml	Sub Div. ml	Tolerance +- ml.	Price/Pcs.
GW255/01	10	0.05	0.02	780.00
GW255/02	25	0.10	0.05	620.00
GW255/03	50	0.10	0.05	630.00
GW255/04	100	0.20	0.10	770.00

## GW258 BURETTE WITH SCREW TYPE P.T.F.E. ROTA FLOW STOP COCK 'LALCO'

Accuracy as per **Class A** of I.S. 1997, ISO: 385, 'AMBER COLOR' with certificate

Cat. No.	Cap. ml	Sub Div. ml	Tolerance +- ml.	Price/Pcs.
GW258/01	10	0.05	0.03	2000.00
GW258/02	25	0.10	0.05	1800.00
GW258/03	50	0.10	0.05	1800.00
GW258/04	100	0.2	0.10	1900.00

## GW270 BURETTE, AUTOMATIC ZERO 'LALCO'

Mounted on reservoir with P.T.F.E. Rotaflow / Glass Stopcock Stop Cock, (schellback) rubber bellow, accuracy as per **Class B**, of I.C. 1997:2008

Cat. No.	Cap. ml	Sub Div. ml	Tolerance +- ml.	Price/Pcs.
GW270/01	10	0.05	0.05	4200.00
GW270/02	25	0.10	0.10	4900.00
GW270/03	50	0.10	0.10	5350.00
GW270/04	100	0.20	0.20	5650.00

## GW272 BURETTE, AUTOMATIC ZERO 'LALCO'

Mounted on reservoir with P.T.F.E. Rotaflow / Glass Stopcock Stop Cock, (schellback) rubber bellow, accuracy as per **Class A**, of I.S. 1997, ISO:385

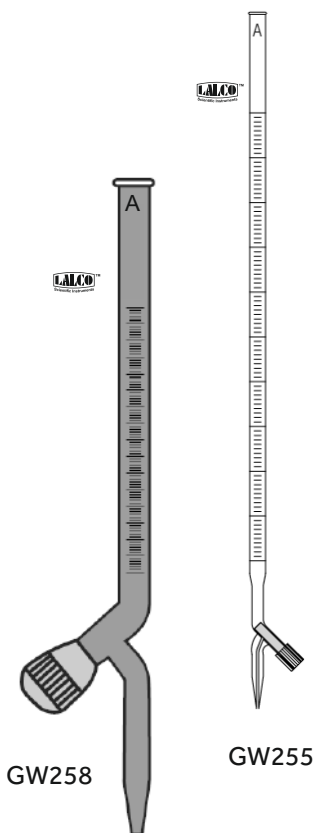
Cat. No.	Cap. ml	Sub Div. ml	Tolerance +- ml.	Price/Pcs.
GW272/01	10	0.05	0.02	5200.00
GW272/02	25	0.1	0.05	7000.00
GW272/03	50	0.1	0.05	7800.00
GW272/04	100	0.2	0.01	8400.00

Note: Burette Automatic Zero Can be supplied w/o schellback in glass stop cock and in P.T.F.E. stop cock on request. Spares:

1) SPARE RUBBER BELLOW WITH COTTON NET FOR AUTOMATIC BURETTE **415.00**

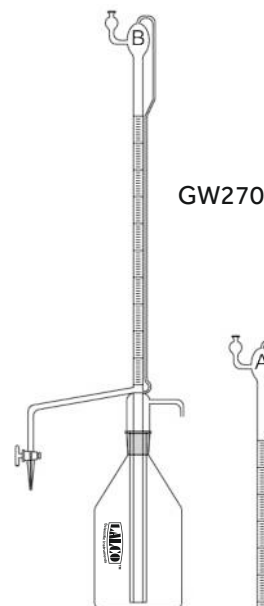
2) BURETTE CLEANING BRUSH LONG NYLON **80.00**

3) BURETTE STAND WITH CLAMP REF. CAT. NO. 101 & 103

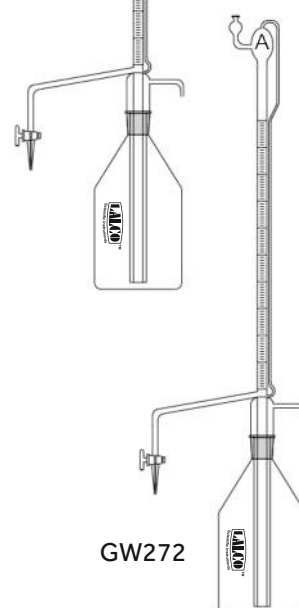


GW258

GW255



GW270



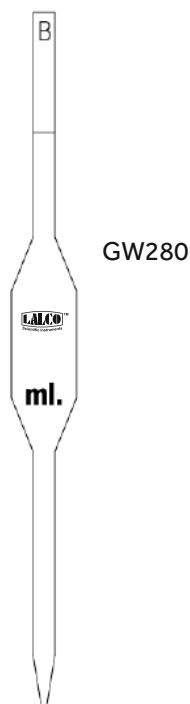
GW272

## PIPETTES

### GW280 PIPETTE VOLUMETRIC WITH ONE MARK 'LALCO'

Class B Accuracy as per I.S. 1117 : 1975

Cat. No.	Cap. ml	Tolerance +- ml.	Price/Pcs.
GW280/01	1	0.015	90.00
GW280/02	2	0.02	90.00
GW280/03	5	0.03	90.00
GW280/04	10	0.04	90.00
GW280/05	20	0.06	120.00
GW280/06	25	0.06	130.00
GW280/07	50	0.1	195.00
GW280/08	100	0.16	250.00



GW281



GW282

### GW281 PIPETTE VOLUMETRIC ONE MARK 'LALCO'

With one mark Class A, with works certificate as per IS 1117, ISO 648

Cat. No.	Cap. ml	Tolerance +- ml.	Price/Pcs.
GW281/01	0.5*	0.006	270.00
GW281/02	1	0.007	220.00
GW281/03	2	0.01	220.00
GW281/04	2.5*	0.02	270.00
GW281/05	3	0.02	230.00
GW281/06	4	0.02	230.00
GW281/07	5	0.02	230.00
GW281/08	10	0.02	230.00
GW281/09	20	0.03	300.00
GW281/10	25	0.03	330.00
GW281/11	50	0.05	370.00
GW281/12	100	0.01	550.00

### GW282 PIPETTE GRADUATED (MEASURING) 'LALCO'

Accuracy as per class B of I.S. 835:2007

Cat. No.	Cap. ml	Sub Div. ml	Tolerance +- ml.	Price/Pcs.
GW282/01	0.1	0.01	0.01	100.00
GW282/02	0.2	0.01	0.01	100.00
GW282/03	0.5	0.02	0.01	100.00
GW282/04	1	0.01	0.01	100.00
GW282/05	2	0.02	0.1	100.00
GW282/06	5	0.10	0.1	100.00
GW282/07	10	0.10	0.1	100.00
GW282/08	20	0.20	0.2	140.00
GW282/09	25	0.20	0.2	140.00
GW282/10	50	0.50	0.5	200.00

# LABORATORY GLASSWARE



## GW284 PIPETTE GRADUATED (MEASURING) 'LALCO'

Accuracy as per **Class 'A'** with works certificate of IS 4162,

Cat. No.	Cap. ml	Sub Div. MI	Tolerance +-ml	Price/Pcs.
GW284/01	0.1	0.01	0.006	250.00
GW284/02	0.2	0.01	0.006	250.00
GW284/03	1	0.01	0.006	250.00
GW284/05	2	0.02	0.01	250.00
GW284/07	5	0.05	0.03	250.00
GW284/09	10	0.10	0.05	250.00
GW284/10	25	0.20	0.10	320.00

## MEASURING CYLINDERS

## GW295 MEASURING CYLINDER GRADUATED 'LALCO'

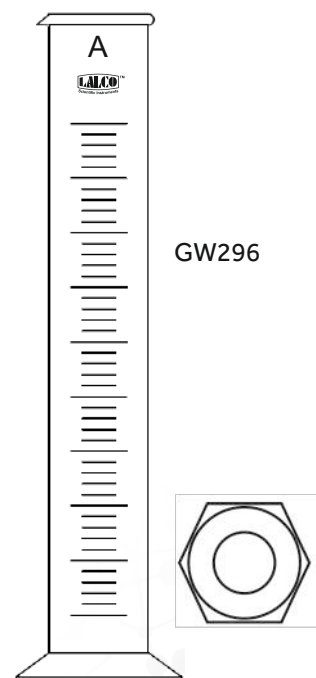
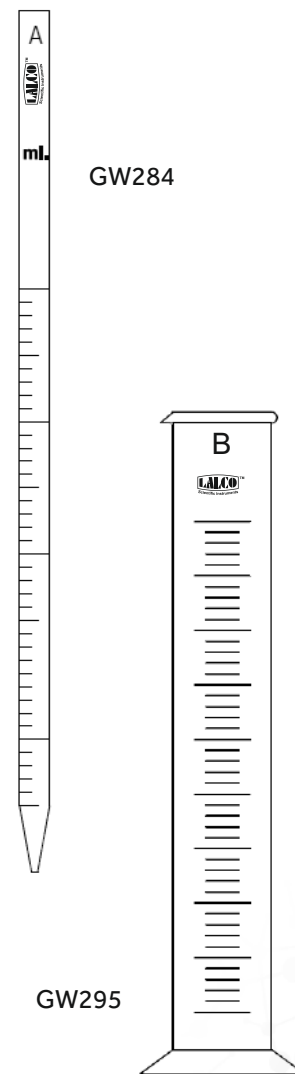
Class 'B' As per I.S. 878:2008

Cat. No.	Cap. ml	Sub Div. MI	Tolerance +-ml	Price/Pcs.
GW295/01	5	0.1	0.1	100.00
GW295/02	10	0.2	0.2	110.00
GW295/03	25	0.5	0.5	140.00
GW295/04	50	1.0	1.0	180.00
GW295/05	100	1.0	1.0	230.00
GW295/06	250	2.0	2.0	395.00
GW295/07	500	5.0	5.0	660.00
GW295/08	1000	10.0	10.0	1060.00
GW295/09	2000	20.0	20.0	2050.00

## GW296 MEASURING CYLINDER 'LALCO'

Single metric scale, with pour out with **Hexagonal Base**, Class 'A' with certificate as per I.S. 878, ISO 4788

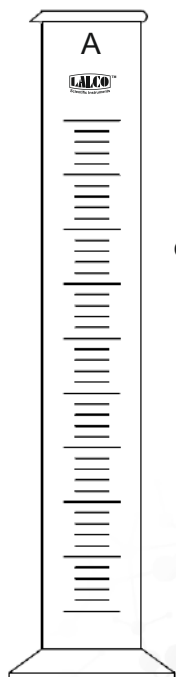
Cat. No.	Cap. ml	Sub Div. MI	Tolerance +-ml	Price/Pcs.
GW296/01	5	0.1	0.05	395.00
GW296/02	10	0.2	0.10	410.00
GW296/03	25	0.5	0.25	480.00
GW296/04	50	1.0	0.5	565.00
GW296/05	100	1.0	0.5	640.00
GW296/06	250	2.0	1.0	1045.00
GW296/07	500	5.0	2.5	1500.00
GW296/08	1000	10.0	5.0	1980.00
GW296/09	2000	20.0	10.0	3550.00



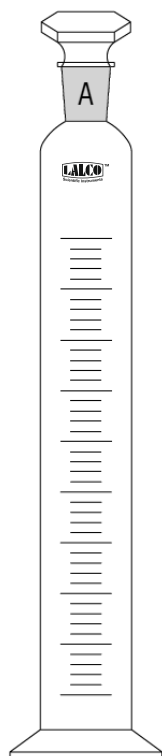
## GW297 MEASURING CYLINDER 'LALCO'

Single metric scale, with pour out with **Round Base, Class 'A'** with certificate as per I.S. 878, ISO 4788

Cat. No.	Cap. ml	Sub Div. ml	Tolerance +-ml	Price/Pcs.
GW297/01	5	0.1	0.05	240.00
GW297/02	10	0.2	0.10	250.00
GW297/03	25	0.5	0.25	300.00
GW297/04	50	1.0	0.5	415.00
GW297/05	100	1.0	0.5	520.00
GW297/06	250	2.0	1.0	885.00
GW297/07	500	5.0	2.5	1235.00
GW297/08	1000	10.0	5.0	1810.00
GW297/09	2000	20.0	10.0	3120.00



GW297

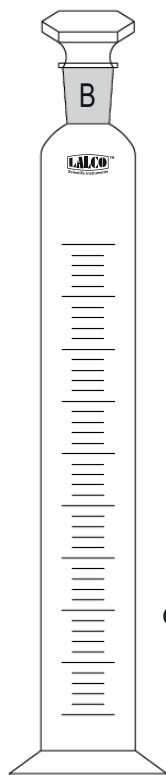


GW298

## GW298 MEASURING CYLINDER STOPPERED 'LALCO'

Single metric scale, with penny head interchangeable **Stopper with Round Base, Class 'A'** with certificate as per I.S. 878, ISO 4788

Cat. No.	Cap. ml	Sub Div. ml	Tolerance +-ml	Stopper Size	Price/Pcs.
GW298/01	5	0.1	0.05	B10	360.00
GW298/02	10	0.2	0.10	B10	380.00
GW298/03	25	0.5	0.25	B14	495.00
GW298/04	50	1.0	0.5	B19	620.00
GW298/05	100	1.0	0.5	B24	715.00
GW298/06	250	2.0	1.0	B24	1110.00
GW298/07	500	5.0	2.5	B24	1665.00
GW298/08	1000	10.0	5.0	B24	2460.00
GW298/09	2000	20.0	10.0	B34	5050.00



GW299

## GW299 MEASURING CYLINDER STOPPERED 'LALCO'

Single metric scale, with penny head interchangeable **Stopper with Round Base, Class 'B'** with certificate as per I.S. 878 : 2008

Cat. No.	Cap. ml	Sub Div. ml	Tolerance +-ml	Stopper Size	Price/Pcs.
GW299/01	5	0.1	0.05	B10	260.00
GW299/02	10	0.2	0.10	B10	280.00
GW299/03	25	0.5	0.25	B14	310.00
GW299/04	50	1.0	0.5	B19	350.00
GW299/05	100	1.0	0.5	B24	375.00
GW299/06	250	2.0	1.0	B24	725.00
GW299/07	500	5.0	2.5	B24	1010.00
GW299/08	1000	10.0	5.0	B24	1590.00
GW299/09	2000	20.0	10.0	B34	2590.00

# LABORATORY GLASSWARE



## GW300 CROW RECEIVER CYLINDER WITH STOPPER 'LALCO'

Accuracy as per **Class 'A'** with certificate

Cat. No.	Cap. ml	Tolerance +-ml	Price/Pcs.
GW300/01	25	0.04 & 0.1	680.00
GW300/02	50	0.1 & 0.2	790.00
GW300/03	100	0.2 & 0.4	900.00

## GW301 CROW RECEIVER CYLINDER WITH STOPPER 'LALCO'

Accuracy as per **Class 'B'** with certificate

Cat. No.	Cap. ml	Price/Pcs.
GW301/01	25	335.00
GW301/02	50	415.00
GW301/03	100	550.00

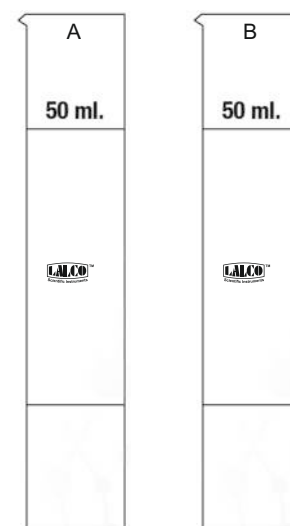


GW300 - GW301

## GW302 NESSLER CYLINDER 'LALCO'

Accuracy as per **Class 'A'** with certificate

Cat. No.	Cap. ml	Sub Div. ml	Tolerance +-ml	Price/Pcs.
GW302/01	25	25 & 50	0.4	250.00
GW302/02	50	50 & 100	0.8	300.00



GW302

GW303

## GW303 NESSLER CYLINDER GRADUATED CLASS 'B' 'LALCO'

As per I.S. 4161 : 1967

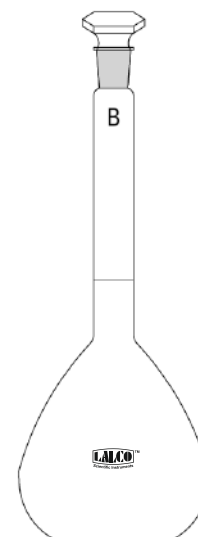
Cat. No.	Cap. ml	Sub Div. ml	Size	Price/Pcs.
GW303/01	50	25 & 50	26 x 150	120.00
GW303/02	100	50 & 100	34 x 180	170.00

## VOLUMETRIC FLASK

## GW310 VOLUMETRIC FLASK 'LALCO'

With inter changeable stopper. accuracy as per **Class 'B'**

Cat. No.	Cap. ml	Tolerance +-ml	Stopper Size	Price/Pcs.
GW310/01	5	0.05	10/15	95.00
GW310/02	10	0.05	10/15	100.00
GW310/03	25	0.08	10/15	115.00
GW310/04	50	0.12	10/15	150.00
GW310/05	100	0.20	14/15	195.00
GW310/06	250	0.30	14/15	300.00
GW310/07	500	0.50	19/20	425.00
GW310/08	1000	0.80	19/20	650.00
GW310/09	2000	1.2	24/25	1320.00

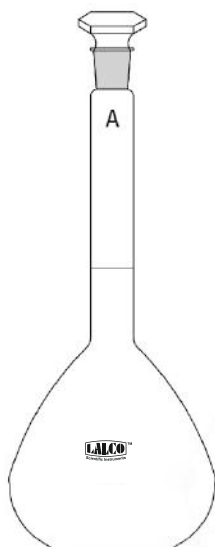


GW310



## GW311 VOLUMETRIC FLASK 'LALCO'

With inter changeable stopper. accuracy as per **Class 'A'** with certificate as per IS 915, ISO 1042

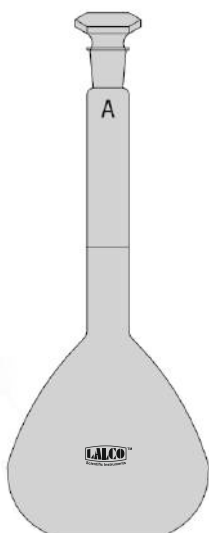


GW311

Cat. No.	Cap. ml	Tolerance +-ml	Stopper Size	Price/Pcs.
GW311/01	5	0.025	B10	240.00
GW311/02	10	0.025	B10	250.00
GW311/03	20	0.04	B10	270.00
GW311/04	25	0.04	B10	270.00
GW311/05	50	0.06	B10	295.00
GW311/06	100	0.10	B14	355.00
GW311/07	200	0.15	B14	500.00
GW311/08	250	0.15	B14	525.00
GW311/09	500	0.25	B19	840.00
GW311/10	1000	0.40	B19	1260.00
GW311/11	2000	0.60	B24	2580.00

## GW312 VOLUMETRIC FLASK 'LALCO'

With inter changeable stopper. accuracy as per **Class 'A'** with certificate as per IS 915, ISO 1042, 'AMBER COLOR'



GW312

Cat. No.	Cap. ml	Tolerance +-ml	Stopper Size	Price/Pcs.
GW312/01	5	0.025	B10	430.00
GW312/02	10	0.025	B10	450.00
GW312/03	20	0.04	B10	460.00
GW312/04	25	0.04	B10	475.00
GW312/05	50	0.06	B10	580.00
GW312/06	100	0.10	B14	675.00
GW312/07	200	0.15	B14	850.00
GW312/08	250	0.15	B14	870.00
GW312/09	500	0.25	B19	1320.00
GW312/10	1000	0.40	B19	1980.00
GW312/11	2000	0.60	B24	3120.00

## KIPPS APPARATUS

### GW315 KIPPS APPARATUS 'LALCO'

With interchangeable joints



GW315

Cat. No.	Capacity ml.	Price/Pcs.
GW315/01	250	3250.00
GW315/02	500	4400.00
GW315/03	1000	5950.00

# LABORATORY GLASSWARE



## TUBES SCREW CAP / CENTRIFUGE / TEST TUBES

### GW325 TUBES CULTURE MEDIA 'LALCO'

Round Bottom with Screw Cap and P.T.F.E. / Rubber Liner

Cat. No.	Cap. ml	O.D. x Length (mm)	Clear Glass Price/Pcs.	Amber Colour Price/Pcs.
GW325/01	5	16 x 75	35.00	42.00
GW325/02	10	16 x 125	40.00	50.00
GW325/03	15	16 x 150	45.00	52.00
GW325/04	30	25 x 100	55.00	74.00
GW325/05	50	25 x 150	60.00	74.00
GW325/06	60	25 x 200	72.00	96.00
GW325/07	100	32 x 200	195.00	255.00



GW325



### GW327 TUBES CULTURE MEDIA 'LALCO'

Flat bottom with screw cap and rubber liner

Cat. No.	Cap. ml	O.D. x Length (mm)	Clear Glass Price/Pcs.	Amber Colour Price/Pcs.
GW327/01	5	16 x 50	35.00	38.00
GW327/02	10	25 x 50	45.00	49.00
GW327/03	15	25 x 57	45.00	53.00
GW327/04	30	25 x 95	55.00	60.00
GW327/05	50	25 x 150	65.00	75.00



GW327

GW327

### GW331 CENTRIFUGE TUBE 'LALCO'

Conical bottom, plain

Cat. No.	Cap. ml	O.D. x Length (mm)	Price/Pcs.
GW331/01	5	100 x 13	30.00
GW331/02	10	110 x 15	38.00
GW331/03	15	120 x 17	40.00
GW331/04	25	125 x 22	110.00
GW331/05	50	135 x 30	135.00

GW331



### GW332 CENTRIFUGE TUBE 'LALCO'

Conical bottom, graduated

Cat. No.	Cap. ml	O.D. x Length (mm)	Price/Pcs.
GW332/01	5	100 x 13	65.00
GW332/02	10	110 x 15	70.00
GW332/03	15	120 x 17	75.00
GW332/04	25	125 x 22	120.00
GW332/05	50	135 x 30	150.00

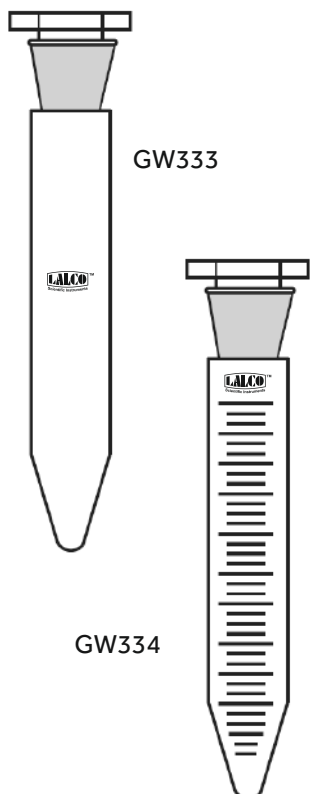


GW332

## GW333 CENTRIFUGE TUBE 'LALCO'

Conical bottom, with screw cap plain

Cat. No.	Cap. ml	O.D. x Length (mm)	Price/Pcs.
GW333/01	10	110 x 15	100.00
GW333/02	15	120 x 17	105.00
GW333/03	50	135 x 30	200.00



## GW334 CENTRIFUGE TUBE 'LALCO'

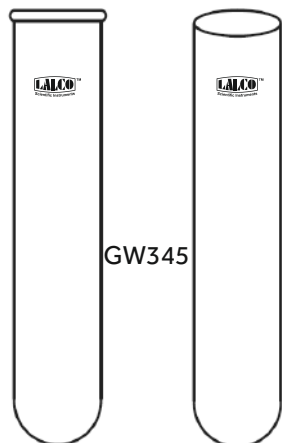
Conical bottom, with screw cap graduated

Cat. No.	Cap. ml	O.D. x Length (mm)	Price/Pcs.
GW334/01	10	110 x 15	120.00
GW334/02	15	120 x 17	130.00
GW334/03	50	135 x 30	285.00

## GW345 TEST TUBE 'LALCO'

Round Bottom with Rim or w/o Rim, Plain

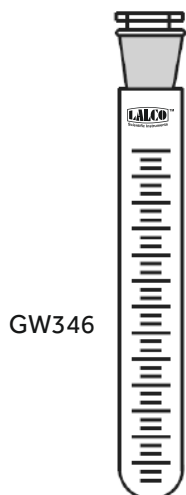
Cat. No.	Cap. ml	O.D. x Length (mm)	Price/Pcs.
GW345/01	3	10 x 75	8.00
GW345/02	5	12 x 75	8.00
GW345/03	7	12 x 100	10.00
GW345/04	10	15 x 125	14.00
GW345/05	15	15 x 150	16.00
GW345/06	25	18 x 150	18.00
GW345/07	50	25 x 150	25.00
GW345/08	75	25 x 200	34.00
GW345/09	100	32 x 200	52.00
GW345/10	175	38 x 200	60.00



## GW346 TEST TUBE 'LALCO'

Round Bottom with Rim or w/o Rim with Stopper Graduated

Cat. No.	Cap. ml	O.D. x Length (mm)	Price/Pcs.
GW346/01	10	15 x 125	110.00
GW346/02	15	15 x 150	125.00
GW346/03	25	18 x 150	130.00
GW346/04	50	25 x 150	180.00
GW346/05	75	25 x 200	200.00
GW346/06	100	32 x 200	270.00



# LABORATORY GLASSWARE

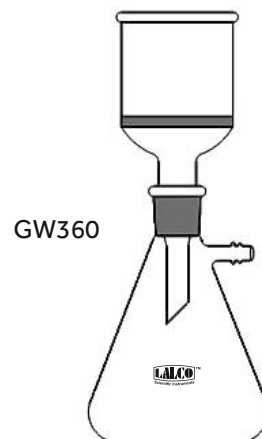


## FILTER APPARATUS / FILTER HOLDER

### GW360 MEMBRANE FILTER HOLDER ASSEMBLY 'LALCO'

Complete with filter flask with socket and buchner funnel with sintered disc porosity G-1 or G-2 or G-3 or G-4 having cone (Please mention porosity of disc while placing order)

Cat. No.	Flask Cap. ml	Funnel Cap. ml	Price/Pcs.
GW360/01	250	80	1190.00
GW360/02	500	200	1700.00
GW360/03	1000	500	3450.00
GW360/04	2000	1000	7700.00

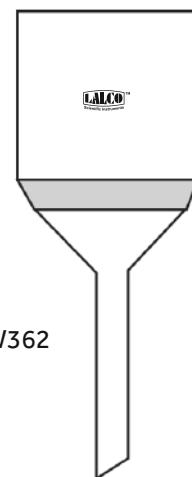


GW360

### GW362 BUCHNER FUNNEL GLASS WITH SENTERED DISC 'LALCO'

Glass Funnel with Sintered Disc of Porosity G-1 or G-2 or G-3 or G-4, Plain Stem. (Please mention porosity of disc while placing order)

Cat. No.	Cap. ml	Disc Dia. mm	Price/Pcs.
GW362/01	35	30	380.00
GW362/02	80	40	750.00
GW362/03	200	65	1170.00
GW362/04	500	90	3200.00
GW362/05	1000	120	5800.00

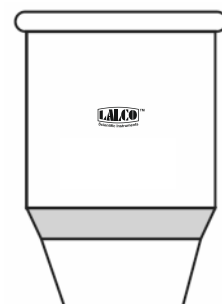


GW362

### GW365 SINTERED GLASS GOOCH CRUCIBLE 'LALCO'

Crucible Dist of Porosity G-1 or G-2 or G-3 or G-4

Cat. No.	Crucible Cap. ml	Price/Pcs.
GW365/01	15	280.00
GW365/02	30	330.00
GW365/03	50	410.00

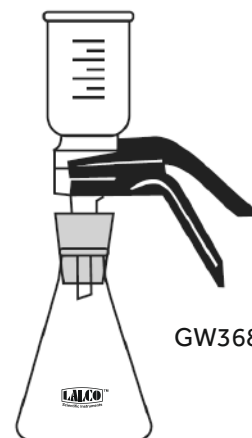


GW365

### GW368 MEMBRANE FILTER HOLDER ASSEMBLY 'LALCO'

With membrane support, funnel, flask and clamp, silicone rubber cork fitting.

Cat. No.	Membrane dia (mm)	Funneel Cap. ml	Flask Cap. ml	Rubber Cone Fitting Price/pc
GW368/01	25	25	250	2600.00
GW368/02	25	50	500	2800.00
GW368/03	47	300	1000	4600.00
GW368/04	47	300	2000	5200.00

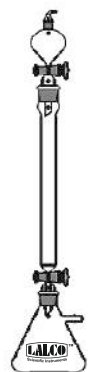


GW368

## CHROMATOGRAPHIC APPARATUS

### GW380 CHROMATOGRAPHY APPARATUS SEMI MICRO 'LALCO' 1950.00

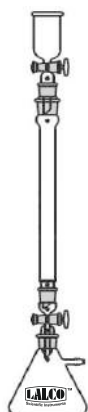
consisting of funnel reservoir 50ml. Capacity with B14 cone and socket, column tube with stopcock, 12mm dia. 10mm. effective length with B14 socket, B19 cone and fused sintered disc. Filtering flask 100ml with B19 socket and tamping rod 40cm long.



GW380



GW383



GW381



GW382



### GW381 CHROMATOGRAPHIC APPARATUS 'LALCO' 2750.00

consisting of dropping funnel 250ml with B-19 cone, reduction adapter B-19 socket and B-24 cone, column tube 2cm. dia and 20mm, effective length with B-24 socket, B-19 cone and fused sintered disc. Adapter with stopcock, B-19 socket, B-24 cone, filtering flask 250ml, with B-24 socket and tamping rod 50cm long.

### GW382 CHROMATOGRAPHY PLAIN ABSORPTION COLUMNS 'LALCO'

Cat. No.	Effective Length, mm	Dia. mm	Stopcock Type	Price/Pcs.
GW382/01	200	10	Without Stopcock	75.00
GW382/02	300	15	Without Stopcock	100.00
GW382/03	500	20	Without Stopcock	235.00
GW382/04	600	25	Without Stopcock	275.00
GW382/05	600	40	Without Stopcock	590.00
GW382/06	1000	50	Without Stopcock	1350.00
GW382/07	200	10	Glass Stopcock	240.00
GW382/08	300	15	Glass Stopcock	260.00
GW382/09	500	20	Glass Stopcock	415.00
GW382/10	600	25	Glass Stopcock	455.00
GW382/11	600	40	Glass Stopcock	670.00
GW382/12	1000	50	Glass Stopcock	1690.00
GW382/13	200	10	P.T.F.E. Needle Valve Stopcock	210.00
GW382/14	300	15	P.T.F.E. Needle Valve Stopcock	250.00
GW382/15	500	20	P.T.F.E. Needle Valve Stopcock	370.00
GW382/16	600	25	P.T.F.E. Needle Valve Stopcock	430.00
GW382/17	600	40	P.T.F.E. Needle Valve Stopcock	780.00
GW382/18	1000	50	P.T.F.E. Needle Valve Stopcock	2190.00

### GW383 CHROMATOGRAPHY COLUMN, WITH INTEGRAL SINTERED DISC, SOCKET CONE 'LALCO'

Cat. No.	Bore mm	Effective Length, mm	Socket Size	Cone Size	Stopcock Type	Price/Pcs.
GW383/01	10	100	B14	B19	Glass Stopcock	75.00
GW383/02	10	200	B14	B19	Glass Stopcock	100.00
GW383/03	10	300	B14	B19	Glass Stopcock	235.00
GW383/04	18	300	B24	B19	Glass Stopcock	275.00
GW383/05	18	400	B24	B19	Glass Stopcock	590.00
GW383/06	18	400	B24	B24	Glass Stopcock	1350.00

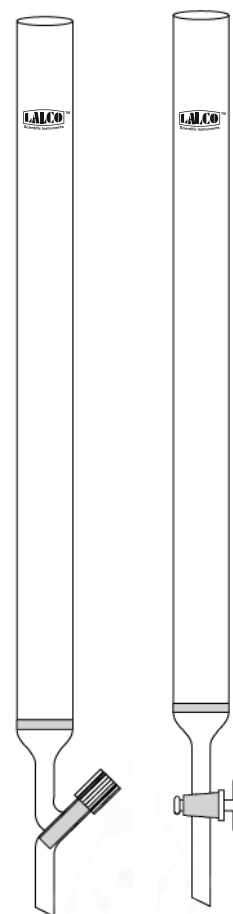


# LABORATORY GLASSWARE



## GW384 CHROMATOGRAPHY COLUMN, WITH INTEGRAL SINTERED 'LALCO'

Cat. No.	Effective Length, mm	Dia. mm	Stopcock Type	Price/Pcs.
GW384/01	150	10	Without Stopcock	290.00
GW384/02	200	15	Without Stopcock	300.00
GW384/03	300	15	Without Stopcock	310.00
GW384/04	400	20	Without Stopcock	370.00
GW384/05	400	30	Without Stopcock	535.00
GW384/06	500	30	Without Stopcock	570.00
GW384/07	500	40	Without Stopcock	890.00
GW384/08	600	40	Without Stopcock	935.00
GW384/09	1000	40	Without Stopcock	1250.00
GW384/10	150	10	Glass Stopcock	480.00
GW384/11	200	15	Glass Stopcock	490.00
GW384/12	300	15	Glass Stopcock	500.00
GW384/13	400	20	Glass Stopcock	550.00
GW384/14	400	30	Glass Stopcock	650.00
GW384/15	500	30	Glass Stopcock	700.00
GW384/16	500	40	Glass Stopcock	1110.00
GW384/17	600	40	Glass Stopcock	1140.00
GW384/18	1000	40	Glass Stopcock	1510.00
GW384/19	150	10	P.T.F.E. Needle Valve Stopcock	455.00
GW384/20	200	15	P.T.F.E. Needle Valve Stopcock	460.00
GW384/21	300	15	P.T.F.E. Needle Valve Stopcock	475.00
GW384/22	400	20	P.T.F.E. Needle Valve Stopcock	520.00
GW384/23	400	30	P.T.F.E. Needle Valve Stopcock	655.00
GW384/24	500	30	P.T.F.E. Needle Valve Stopcock	745.00
GW384/25	500	40	P.T.F.E. Needle Valve Stopcock	1110.00
GW384/26	600	40	P.T.F.E. Needle Valve Stopcock	1140.00
GW384/27	1000	40	P.T.F.E. Needle Valve Stopcock	1510.00



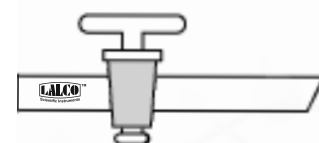
GW384

## STOP COCKS

### GW450 STOP COCKS STRAIGHT BORE 'LALCO'

Solid stopper plug, side tube

Cat. No.	Description	Price/Pcs.
GW450/01	With Solid Plug, Side Tube 2mm Bore	225.00
GW450/02	With Solid Plug, Side Capillary 2mm Bore	235.00



GW450

## GW453 STOP COCKS FOR BURETTE 'LALCO'



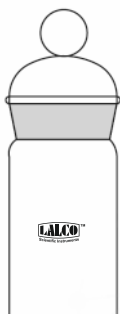
GW453

Cat. No.	Description	Price/Pcs.
GW453/01	With Solid Plug	110.00
GW453/02	With Hollow Plug	345.00
GW453/03	With P.T.F.E. Plug	435.00
GW453/04	With P.T.F.E. Needle Valve Plug	110.00

## BOTTLES

### GW620 WEIGHING BOTTLE (TALL FORM) 'LALCO'

With interchangeable stopper, Tall Form



GW620

Cat. No.	O.D. x Ht. mm	Approx Cap. ml	Price/Pcs.
GW620/01	20 x 40	5	220.00
GW620/02	25 x 60	15	240.00
GW620/03	30 x 65	25	310.00
GW620/04	40 x 90	60	450.00

### GW621 WEIGHING BOTTLE (SQUAT FORM) 'LALCO'

With interchangeable stopper, Squat Form.



GW621

Cat. No.	O.D. x Ht. mm	Approx Cap. ml	Price/Pcs.
GW621/01	40 x 30	20	265.00
GW621/02	50 x 35	25	360.00
GW621/03	50 x 50	50	380.00
GW621/04	50 x 40	40	480.00

### GW622 SPECIFIC GRAVITY BOTTLES 'LALCO'

Ground in capillary stopper



GW622

Cat. No.	Capacity ml	Price/Pcs.
GW622/01	5	220.00
GW622/02	10	220.00
GW622/03	25	220.00
GW622/04	50	240.00

### GW623 SPECIFIC GRAVITY BOTTLES 'LALCO'

Ground in capillary bore interchangeable Teflon Stopper



GW623

Cat. No.	Capacity ml	Price/Pcs.
GW623/01	5	260.00
GW623/02	10	260.00
GW623/03	25	280.00
GW623/04	50	280.00

# LABORATORY GLASSWARE



## GW624 SPECIFIC GRAVITY BOTTLES (PYKNOMETER) 'LALCO'

With Ground in thermometer range 0 to 50° C.

Cat. No.	Capacity ml	Price/Pcs.
GW624/01	10	720.00
GW624/02	25	795.00
GW624/03	50	830.00

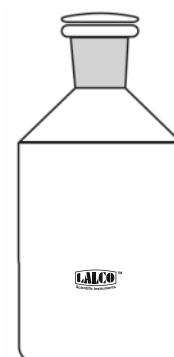


GW624

## GW626 REAGENT BOTTLE 'LALCO'

Narrow Mouth, with interchangeable hollow stopper, CLEAR GLASS

Cat. No.	Capacity ml	Price/Pcs.
GW626/01	30	240.00
GW626/02	60	270.00
GW626/03	125	350.00
GW626/04	250	380.00
GW626/05	500	460.00
GW626/06	1000	660.00
GW626/07	2000	1150.00
GW626/08	3000	6200.00
GW626/09	5000	7000.00

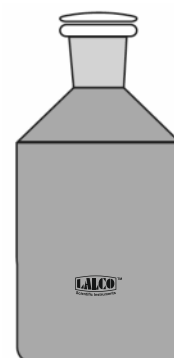


GW626

## GW627 REAGENT BOTTLE 'LALCO'

Narrow Mouth, with interchangeable hollow stopper, Amber Colour Glass

Cat. No.	Capacity ml	Price/Pcs.
GW627/01	30	410.00
GW627/02	60	440.00
GW627/03	125	480.00
GW627/04	250	580.00
GW627/05	500	720.00
GW627/06	1000	1050.00
GW627/07	2000	2150.00



GW627

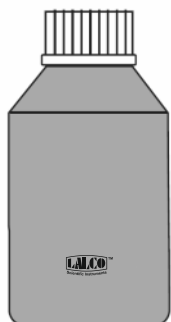
## GW628 REAGENT BOTTLE 'LALCO'

Wide Mouth with polypropylene blue screw cap, graduated, CLEAR GLASS

Cat. No.	Capacity ml	Price/Pcs.
GW628/01	50	280.00
GW628/02	100	330.00
GW628/03	250	360.00
GW628/04	500	440.00
GW628/05	1000	645.00
GW628/06	2000	1130.00
GW628/07	5000	6960.00



GW628

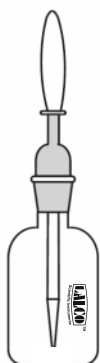


GW629

## GW629 REAGENT BOTTLE 'LALCO'

Wide Mouth with polypropylene blue screw cap, Amber Colour Glass

Cat. No.	Capacity ml	Price/Pcs.
GW629/01	25	400.00
GW629/02	50	430.00
GW629/03	100	470.00
GW629/04	250	560.00
GW629/05	500	700.00
GW629/06	1000	1030.00
GW629/07	2000	2100.00
GW629/08	5000	10300.00



GW630

## GW630 DROPPING BOTTLE 'LALCO'

Fitted with I/C stopper and dropper rubber teat, clear glass

Cat. No.	Capacity ml	Price/Pcs.
GW630/01	30	230.00
GW630/02	60	250.00
GW630/03	125	390.00
GW630/04	250	510.00



GW632

## GW632 B.O.D. BOTTLE WITH STOPPER 'LALCO'

Cat. No.	Capacity ml	Price/Pcs.
GW632/01	60	360.00
GW632/02	125	410.00
GW632/03	300	510.00
<b>Optional : Spare Stopper for B.O.D. Bottle</b>		<b>150.00</b>



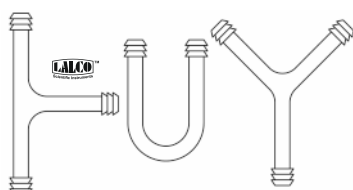
GW634

## GW634 WOULF BOTTLE 'LALCO'

With three standard joint necks

Cat. No.	Capacity ml	Price/Pcs.
GW634/01	250	550.00
GW634/02	500	650.00

## SUPPLEMENTARY GLASSWARE



GW685

## GW685 CONNECTING TUBE 'LALCO' T, U, Y SHAPE 'LALCO'

Cat. No.	Tube Dia mm	Price/Pcs.
GW685/01	7	130.00
GW685/02	10	130.00
GW685/03	12	130.00

# LABORATORY GLASSWARE



## GW686 CAPILLARY TUBES 'LALCO' 100MM LONG

Cat. No.	Description	Price/Pcs.
GW686/01	Both ends Open	135.00
GW686/02	One end Closed	135.00



GW686

## GW687 THEIL MELTING POINT TUBE'S 'LALCO'

Cat. No.	Size mm	Price/Pcs.
GW687/01	150 x 18	110.00
GW687/02	150 x 25	150.00



GW687

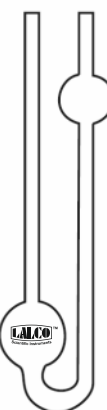
## GW688 DURHAM TUBE 'LALCO' 6.00

## GW690 VISCOMETER U TUBE 'LALCO' 120.00

Ostwald standard size College Pattern

## GW694 STALGANOMETER GRADUATED 'LALCO'

Cat. No.	Type	Price/Pcs.
GW694/01	Straight	110.00
GW694/02	Bent	140.00



GW690

## GW698 POLARIMETER TUBE 'LALCO'

With center Bulb, screw caps, cover glasses.

Cat. No.	Length mm	Price/Pcs.
GW698/01	100	1150.00
GW698/02	200	1190.00
GW698/03	400	1240.00



GW698

## GW699 POLARIMETER TUBE 'LALCO'

With center Cups, screw cups, cover glasses.

Cat. No.	Length mm	Price/Pcs.
GW698/01	100	1190.00
GW698/02	200	1220.00
GW698/03	400	1250.00



GW699

## GW709 CHROMATOGRAPHY SPRAYER'S WITH RUBBER BELLOW 'LALCO'

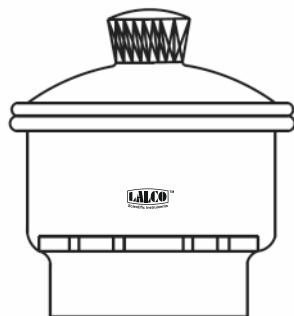
Cat. No.	Capacity ml	Price/Pcs.
GW709/01	50	490.00
GW709/02	100	510.00
GW709/03	250	540.00



GW709



## DESSICATOR & RECTANGULAR JAR

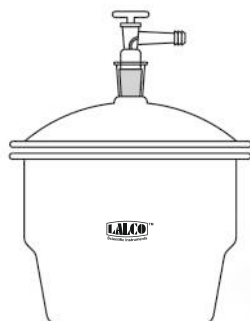


GW710

### GW710 DESSICATOR WITH COVER PLAIN 'LALCO'

With suitable porcelain plate

Cat. No.	Size mm	Price/Pcs.
GW710/01	120	1490.00
GW710/02	160	2100.00
GW710/03	210	3520.00
GW710/04	240	5400.00
GW710/05	300	7900.00

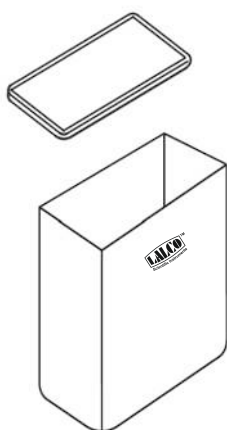


GW711

### GW711 DESSICATOR VACUUM WITH COVER AND STOP COCK 'LALCO'

With suitable porcelain plate

Cat. No.	Size mm	Price/Pcs.
GW711/01	150	2510.00
GW711/02	210	4950.00
GW711/03	240	7800.00
GW711/04	300	10900.00



GW715

### GW715 JAR RECTANGULAR WITH COVER 'LALCO'

Cat. No.	Size H x L x B	Price/Pcs.
GW715/01	140 x 215 x 100	1750.00
GW715/02	210 x 170 x 130	2050.00
GW715/03	220 x 140 x 140	2050.00
GW715/04	225 x 225 x 125	2700.00
GW715/05	250 x 250 x 150	3600.00



GW718

### GW718 WATCH GLASS 'LALCO'

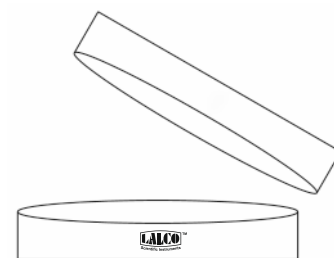
Cat. No.	Size m.m.	Min. Qty Pack	Price/Pkt.
GW718/01	50	12	130.00
GW718/03	65	12	150.00
GW718/04	75	12	200.00
GW718/05	100	12	300.00
GW718/06	125	12	500.00
GW718/07	150	12	650.00

## GLASSWARE / THERMOMETERS



### GW722 DISHES - PETRI CULTURE, TOP & BOTTOM 'LALCO'

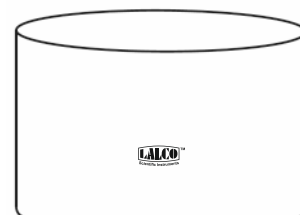
Cat. No.	O.D. x Ht. mm	Price/Pcs.
GW722/01	50 x 17	130.00
GW722/02	80 x 17	155.00
GW722/03	100 x 17	185.00
GW722/04	150 x 20	645.00
GW722/05	200 x 20	1430.00



GW722

### GW725 DISHES - CRYSTLIZING, FLAT BOTTOM 'LALCO'

Cat. No.	Size O.D. x Ht. mm	Capacity ml	Price/Pcs.
GW725/01	80 x 45	150	310.00
GW725/02	100 x 50	300	450.00
GW725/03	150 x 75	1000	950.00
GW725/04	190 x 100	2000	1620.00



GW725

### GW727 DISHES EVAPORATING WITH POUR OUT 'LALCO'

Cat. No.	Size O.D. x Ht. mm	Price/Pcs.
GW727/01	80 x 45	330.00
GW727/02	105 x 55	480.00
GW727/03	150 x 80	950.00
GW727/04	200 x 100	1860.00



GW727

### GW729 GLASS SPREADER 'LALCO'

Cat. No.	Type	Price/Pcs.
GW729/01	Spreader L Shape	100.00
GW729/02	Spreader Triangular 50mm	200.00



GW729

## THERMOMETERS

### GW800 LABORATORY THERMOMETER MERCURY FILLED 'LALCO'

Cat. No.	Range	Division	Mercury	Red Alcoholic	Imported (Zeal)
GW800/01	0-50 °C	1/1	220.00	100.00	650.00
GW800/02	-10-110 °C	1/1	180.00	100.00	610.00
GW800/03	0-150 °C	1/1	180.00	100.00	610.00
GW800/04	0-250 °C	1/1	190.00	110.00	640.00
GW800/05	0-360 °C	1/1	190.00	110.00	640.00



GW800

# THERMOMETERS / HYDROMETERS



GW805

## GW805 OVEN/INCUBATOR THERMOMETERS 'LALCO'

L shaped size 200 mm. x 200 mm. mercury in glass. accuracy  $\pm 1$  division

Cat. No.	Range	Division	Price/Pcs.
GW805/01	110°C	1°C	350.00
GW805/02	250°C	1°C	350.00
GW805/03	360°C	1°C	350.00



GW810



GW811

**GW810/01** MAXIMUM MINIMUM THERMOMETER 'LALCO' WITH PLASTIC BODY 'LALCO' **280.00**

**GW810/02** -DO- SUPERIOR QUALITY, PLASTIC MOULDED FRAME SIMILAR TO ZEAL 'LALCO' **1020.00**

**GW811/01** WET & DRY THERMOMETER 'LALCO' **280.00**

**GW811/02** -DO- SUPERIOR QUALITY, PLASTIC MOULDED FRAME SIMILAR TO ZEAL 'LALCO' **1020.00**

**GW812/01** WALL THERMOMETER SMALL 'LALCO' **330.00**

**GW812/02** WALL THERMOMETER BIG 'LALCO' **530.00**



GW812



GW814

**GW814** LACTOMETER 'LALCO' **175.00**

Sp. gr. range 1.000 to 1.440, silver coated.

## GW818 SPECIFIC GRAVITY HYDROMETERS 'LALCO'

In 100° range, shot weighted with paper scale

Cat. No.	Range Sp.Gr.	Price/Pcs.
GW818/01	600-700	260.00
GW818/02	700-800	260.00
GW818/03	800-900	260.00
GW818/04	900-1000	260.00
GW818/05	1000-1100	260.00
GW818/06	1100-1200	260.00
GW818/07	1200-1300	280.00
GW818/08	1300-1400	280.00
GW818/09	1400-1500	300.00
GW818/10	1500-1600	300.00
GW818/11	1600-1700	300.00
GW818/12	1700-1800	315.00
GW818/13	1800-1900	580.00
GW818/14	1900-2000	580.00



GW818

# LABORATORY HYDROMETERS



## GW820 UNIVERSAL HYDROMETER 'LALCO' 300.00

Accurate range 700–2000 sp.gr

## GW822 BEAUME HYDROMETER WITH PAPER SCALE 'LALCO'

Cat. No.	Range	Price/Pcs.
GW822/01	Light liquid range 10-70 Be, 0.700-1.000 Sp. Gr.	260.00
GW822/02	Heavy liquid range 0-70 Be, 1.000-2.000 Sp. Gr.	260.00
GW822/03	Beaume Hydrometer range 0-50 Be, 1.000-1.500 Sp. Gr.	260.00
GW822/04	Beaume Hydrometer range 50-70 Be, 1.500-2.000 Sp. Gr.	260.00
GW822/05	0-10	260.00
GW822/06	10-20	260.00
GW822/07	20-30	260.00
GW822/08	30-40	300.00
GW822/09	40-50	300.00
GW822/10	50-60	300.00
GW822/11	60-70	300.00
GW822/12	0-20	300.00
GW822/13	20-40	300.00
GW822/14	40-60	300.00



GW822

## GW824 BRIX HYDROMETER WITH PAPER SCALE W/O. THERMOMETER 'LALCO'

Cat. No.	Range	Price/Pcs.
GW824/01	0-10 Bx, 10-20 Bx. 20-30 Bx	450.00
GW824/02	30-40 Bx, 40-50 Bx. 50-60 Bx	450.00
GW824/03	60-70 Bx, 70-80 Bx. 80-90 Bx	450.00
GW824/04	0-30 Bx, 30-60 Bx. 60-90 Bx	450.00



GW824

GW826

## GW826 TWADDLE HYDROMETERS 'LALCO'

Cat. No.	Twaddle No.	Twaddle Range	Price/Pcs.
GW826/01	1	0-26	290.00
GW826/02	2	24-50	290.00
GW826/03	3	48-74	290.00
GW826/04	4	72-104	290.00
GW826/05	5	102-138	300.00
GW826/06	6	136-174	300.00



875 and 876



879



881



882 and 883

Cat. No.	Item's Description	Price/Pcs.
875	<b>Redwood viscometer no. 1 (IP 70)</b> electrically heated with energy regulator for temperature control	<b>19000.00</b>
876	<b>Redwood viscometer no. 1 with digital indicator &amp; regulator</b>	<b>48500.00</b>
875/01	Thermometer (low range) IP 8C (0°-44°C)	<b>1950.00</b>
875/02	Thermometer (medium range) IP 9C (37.8°-82°C)	<b>1950.00</b>
875/03	Thermometer (high range) IP 10C (76°-122°C)	<b>2050.00</b>
875/04	Stop watch (electronic)	<b>1625.00</b>
877	<b>Redwood viscometer no. 2</b> electrically heated with energy regulator for temperature control	<b>22000.00</b>
878	<b>Redwood viscometer no. 2 (IP 70) with digital indicator &amp; regulator</b>	<b>50500.00</b>
879	<b>Say bolt viscometer apparatus</b> made as per ASTM D-88 specification with universal and furu jets made of stainless steel. stirring is done by hand with turn table arrangement without stainer, withdraw tube and glasswares. suitable to operate on 220 volts AC mains. electrically heated with energy regulator control.	<b>25000.00</b>
880	Same as above but with Electronic Digital Temp. Indicator & Regulator	<b>50500.00</b>
<b>OPTIONAL ACCESSORIES</b>		
879/01	Strainer For Filtering Oil	<b>3000.00</b>
879/02	Withdraw Tube (metal)	<b>1950.00</b>
879/03	Flask 60 CC.	<b>975.00</b>
879/04	Thermometer ASTM 17C (19°-27°C)	<b>3100.00</b>
879/05	Thermometer ASTM 18C (34°-42°C)	<b>3100.00</b>
879/06	Thermometer ASTM 19C (49°-57°C)	<b>3100.00</b>
879/07	Thermometer ASTM 20C (57°-65°C)	<b>3100.00</b>
881	<b>Engler Viscometer Apparatus</b> as per IP-212 and ASTM D-490 specification and is used for determining the viscosity of lubricating and fuel oils. it consists of S.S. water bath having a oil cup with lid and a stirring device mounted on stand. the oil cup lid has a thermometer socket in which thermometer rests to check the temperature in the water bath. the bath is fitted with a 500 watts heater and is supplied with a wooden or ebonite valve to fit the jet (without glasswares). suitable to operate on 220 volts AC mains. electrically heated with energy regulator control	<b>21500.00</b>
881/01	Thermometer ASTM 24C (34°-54°C)	<b>3100.00</b>
881/02	Thermometer ASTM 25C (95°-105°C)	<b>3100.00</b>
882	<b>Abels Flash Point Apparatus</b> this apparatus is suitable for determining the close cup flash point of petroleum and mixture according to IP 33 and IP 170 and also IS 1448 (Part i)1985 (P: 20). It is supplied with oil cup cover, fitted stirrer, thermometer socket, S.S. water bath and stand. An 831+eze electric heater is fitted at the bottom for operation on 220 volts AC circuits. With oil test jet, electrically heated with energy regulator control. It is suitable for oils whose flashes below 70°C	<b>21500.00</b>
883	Abels Flash Point Apparatus With Digital Temperature Indicator & regulator (oil Test Jet)	<b>35500.00</b>



# OIL & PETROLEUM INSTRUMENTS



## OPTIONAL ACCESSORIES

Cat. No.	Item's Description	Price/Pcs.
882/01	Spare nichrome heating element.	975.00
882/02	Thermometer IP 74C having wide range (-35°-70°C)	1950.00
882/03	Thermometer IP 75C having wide range (-30°-80°C)	1950.00
884	<b>Pensky Martens Flash Point Apparatus</b> the apparatus is made as per IP 34, ASTM D-93-58 T and IS 1448 (Part 1) 1270 (P : 21) and IS 1203-1953 method B. the apparatus consists of brass test cup with handle emovable cup cover, with spring operated rotating shutter having piolet jet and stirrer with flexible shaft. the assembly rests in a air bath which is covered with dome shape metal top, the cup is fitted with insulated handle and locking arrangement near cup flange and the assembly is kept on round shape electric heater with temperature regulator. Suitable for operation on 220 volts 50 cycles AC circuits. with oil test jet, electrically heated with energy regulator control used for finding out flash point above 70°C and below 300°C.	20500.00
885	Pensky martens Flash Point Apparatus with Digital Temperature Indicator 1and Controler	38500.00



884

## OPTIONAL ACCESSORIES

884/01	Low range thermometer with brass collar IP-15C (-7°-110°C)	1950.00
884/02	High range thermometer with brass collar 1P-16C (-90°-370°C)	1950.00
884/03	Spare nichrome heating element.	975.00
885	<b>CLEVELAND FLASH POINT AND FIRE POINT APPARATUS</b> this apparatus is used for determination of flash point and the fire point of petroleum products except fuel oil with open cup flash point above 80C as per specification IP 36 and IS 1448 [(P: 69) 1969]. the apparatus consists of a cup, heating plate to specific dimension, thermometer clip and test flame attachment with swivel joint for passing over test liquid surface in the prescribed manner. heating is controlled by means of energy regulator fitted to the apparatus. suitable for operation on 220 volts 50 cycles AC circuits. electrically heated with energy regulator control.	19900.00
886	<b>Cleave land flash point &amp; fire point apparatus with digital temp. Indicator &amp; Controller</b>	34000.00



885 and 886

## OPTIONAL ACCESSORIES

885/01	Thermometer IP-28C range -5°C to 400°C.	1950.00
885/02	Spare nichrome element.	975.00
887	<b>TAR VISCOMETER APPARATUS</b> as per 1P-72 and IS 1206 standards. It is used for determination of the viscosity of road oils and cut back bitumen. It consists of S.S. bath with cup of 10 mm. or 4 mm. orifice and sleeve, stirrer with bal lifting clip and ball with stand fitted with leveling screws. operates on 220 volts AC. with energy regulator for temperature control.	21600.00



887 and 888



889/A



890



892

Cat. No.	Item's Description	Price/Pcs.
888	<b>TAR VISCOMETER APPARATUS</b> with digital temperature indicator & controller	<b>39600.00</b>
<b>OPTIONAL ACCESSORIES</b>		
887/01	Spare silver plated cup having 10 mm. or 4 mm. orifice.	<b>13600.00</b>
887/02	Measuring cylinder 100 ml. cap	<b>1950.00</b>
887/03	Thermometer IP 8C low ran (0°-44°C)	<b>1950.00</b>
887/04	Thermometer IP 9C medium range (37.8°-82°C)	<b>1950.00</b>
887/05	Thermometer IP 10C high range (76°-122°C)	<b>1950.00</b>
889	<b>SOFTENING POINT APPARATUS</b> (Ring & Ball Apparatus) For determination of softening point or bituminous materials according to IP 58 and IP 1205 - 1958. Softening point is that temperature at which the specimen under test becomes soft enough to allow a steel ball of specific dimensions to fall at a required distance under test conditions. The apparatus consists of glass beaker, ring stand, two steel balls with ring, ball guides and hand stirrer.	<b>12300.00</b>
889/A	Same as above but with Electrical Motorised	<b>20500.00</b>
<b>OPTIONAL ACCESSORIES</b>		
889/01	Thermometer IP 60C (-2°-80°C)	<b>1950.00</b>
889/02	Thermometer IP 61C (30°-200°C)	<b>1950.00</b>
890	<b>CLOUD AND POUR POINT APPARATUS</b> this is made according to specifications laid by IP 15 and IS 1448 (P:10) 1970. the pour point is the lowest temperature at which the oil will just fail to flow. the apparatus consists of main cooling bath made out of S.S. sheet, stand unit with drain plug, cover having provision for fitting thermometer and a filling aperture for adding freezing mixture. a glass jar for containing oils, jacket, disc and gasket as specified are also provided. CLOUD AND POUR POINT SINGLE WITH INSULATED BODY	<b>12300.00</b>
891	<b>CLOUD AND POUR POINT</b> four test with Insulated Body.	<b>19500.00</b>
<b>OPTIONAL ACCESSORIES</b>		
890/01	Cloud and pour point thermometer IP 1 (-38°-50°C)	<b>1950.00</b>
890/02	Cloud and pour point thermometer IP 2C (-80°-20°C)	<b>1950.00</b>
892	<b>PENETROMETER APPARATUS AS</b> per IP 49, 50 & 167 specifications and also as per IS 1448 (P: 92 and P: 93]. this apparatus is used for penetration test on a wide variety of materials such as greases, petroleum, bitumen, tar, wax, polish, food stuff, rubber asphalts and pharmaceutical creams. a given force is applied over a given period of time and the depression is made in the sample which is measured in tenth of a millimeter and expressed as penetration. it consists of a head support mounted on a vertical rod which can be adjusted for height. a rack and pinion and pointer assembly provides fine adjustment of needle tip to sample and incorporates a slipping clutch mechanism which makes reading of penetration and subsequent resetting a sample an accurate operation. the dial is graduated from 0-400 in one tenth millimeter subdivision Instrument is supplied with two sample containers WITH CONTAINERS AND WEIGHTS HAVING PENETRATION NEEDLE.	<b>25600.00</b>

# OIL & PETROLEUM INSTRUMENTS



Cat. No.	Item's Description	Price/Pcs.
893	Same as 892 but with containers and weights having penetration cone, hollow type.	46000.00
894	<b>DROP POINT OF GREASE APPARATUS</b> (as per IP 31, IP 132 and ASTM D-566 specifications) as per IP 31 the apparatus consists of brass sleeve and case, metal cup, a glass boiling tube, cork fitted to a bath and a 600 ml. beaker. the assembly is kept on a heater with energy regulator control, stand and a F.H.P. electric stirrer. As per IP 132 the unit comprises of a glass beaker with fibre cover, glass test tube with three indentations, chromium plated brass cup, cork for tube and a 1.5 mm. diameter brass rod. the assembly is kept on a heater with energy regulator, stand and a F.H.P. electric stirrer.	24500.00
895/A	Same as above with electronic digital temp. Indicator & Controller	33600.00

## OPTIONAL ACCESSORIES

895/01	IP 40C low range thermometer (20°-120°C)	1950.00
895/02	IP 41C high range thermometer (100°-230°C)	1950.00
895/03	IP 62C drop point special thermometer (-5°-300°C)	1950.00
896	<b>CARBON RESIDUE APPARATUS</b> (conardson) it is made as per IP 13 and ASTM D-189 specifications. it is useful to determine amount of carbon and residue when an oil is evaporated under specified conditions of crude oil etc. and are useful in the manufacture of various lubricants. the apparatus consists of spun sheet iron crucible 25 cc. capacity, sheet iron hood, sheet iron block on a stand electrically heated through energy regulator single test apparatus.	21600.00
897	Conardson Residue apparatus with electronic digital temp indicator	63000.00
898	<b>SMOKE POINT APPARATUS</b> (as per IP-547 IS 1448 (P-31)& ASTM D-1322	23600.00
898/01	Spare candle	9900.00
898/02	Spare wick	780.00
899	<b>ANILINE POINT APPARATUS</b> (as per IP-2 method 'D' by U tube method electrical heated with FHP stirrer without thermometer	10600.00
900	Same as above as per IP-2 method 'B' ASTM D611 electrical heated with FHP stirrer without thermometer	42200.00
899/01	Spare U Tub	1950.00
899/02	Aniline point thermometer IP-20C (-38°-42°C)	1950.00
899/03	Aniline point thermometer IP-21C (25°-105°C)	1950.00
901	<b>KINEMATIC VISCOMETER BATH 'LALCO'</b> (IP-71 and IS 1448 (P-25) 1976) this viscometer bath is used to maintain the correct constant temperature for estimating kinematic viscosity of oils & petroleum product. in this type of bath various viscometers may be fixed as an internal part of bath. the bath is rectangular in shape inside tank made of stainless steel sheet. on two sides toughened glass provided for full visibility of objects. the bath is controlled by an electronic relay and digital controller temperature range 5°C above room temperature to 95°C. accuracy +0.1°C stirring is done by a F.H.P. elect. motor stirrer. it is supplied with viscometer tube holders and S.S. cover.	



894



896



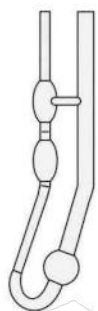
898

899

# OIL & PETROLEUM / TEST TUBE RACKS



901 - 902



901/01



901/04



901/05



901/07



957



958

Cat. No.	Item's Description	Price/Pcs.
901	Kinematic Viscometer Bath of chamber size 12"x9"x12" deep for 4 viscometer with digital temp. indicator & controller	71500.00
902	Kinematic Viscometer Bath Chamber Size 12"x12"x12" deep for 6 Viscometer with Digital Temp. Indicator & controller.	74600.00

## OPTIONAL ACCESSORIES

901/01	Viscometer U tube BS/U size A, B, C, D, E, F, G & H	8450.00
901/02	Viscometer U tube reverse flow (for opaque liquids) each one no. size 1, 2, 3, 4, 5, 6, 7, 8, 9	8450.00
901/03	Viscometer cannon fenske, direct flow BS/IP/CF viscosity range size 100, 150, 200, 250, 300, 350, 400, 450, 500 & 600	8450.00
901/04	Viscometer cannon fenske reverse flow each one no size 100, 150, 200, 300, 350, 400, 450, 500 & 600	8450.00
901/05	Viscometer suspended level BS/IP/ISL size 1, 1A, 2, 2A, 3, 3A, 4	9750.00
901/06	Spare viscometer holder	1950.00
901/07	Electronic stop watch	1625.00

Note: Please mention size and viscosity range of viscometer tube with indent. the prices are for each size.

## 957 TEST TUBE RACK DOUBLE TIER ALLUMINIUM SHEET (20G-HEAVY)

Hole Size	Hole Numbers						
	6	12	18	24	30	36	48
11mm	100	140	174	205	235	265	325
13mm	115	165	210	240	276	315	390
16mm	150	210	275	330	384	425	525
20mm	180	250	330	395	456	540	660
26mm	265	390	525	645	756	885	1100
30mm	295	435	595	726	846	990	1250
33mm	310	495	666	820	975	1110	1440
40mm	410	635	885	1140	1296	1540	1950

## 958 TEST TUBE RACK DOUBLE TIER STAINLESS STEEL SHEET (S.S.-304)

Hole Size	Hole Numbers						
	6	12	18	24	30	36	48
11mm	195	270	350	415	480	548	666
13mm	220	300	390	465	545	624	762
16mm	270	396	515	624	728	835	1032
20mm	300	440	590	715	840	978	1212
26mm	430	630	875	1074	1268	1498	1872
30mm	465	710	1095	1330	1584	1832	2346
33mm	540	840	1175	1520	1810	2097	2700
40mm	640	990	1415	1835	2210	2640	3340



# DISHES / ENAMEL / PORCELAINWARE



## 960 PIPETTE BOX S.S. 'LALCO'

<b>Size</b>	45.0x7.5 cm
<b>Price/Pcs.</b>	1354.00

## 961 PETRI DISH BOX S.S. WITH STAND 'LALCO'

<b>Size</b>	10 cm
<b>Price/Pcs.</b>	1500.00

## 962 PETRI DISH ALUMINIUM 'LALCO'

<b>Size</b>	2"	3"	4"
<b>Price/Pcs.</b>	120.00	135.00	150.00

## 965 SURGICAL TRAY WITH COVER S.S. 'LALCO'

<b>Size</b>	12"x18"	12"x15"	12"x10"	11"x7"	10"x8"	8"x6"
<b>Price/Pcs.</b>	1950.00	1740.00	936.00	720.00	695.00	480.00

## 966 SURGICAL BOWL S.S. W/O. COVER 'LALCO'

<b>Size</b>	4"	6"	10"	16"
<b>Price/Pcs.</b>	240.00	336.00	660.00	1536.00

## 968 ENAMEL TRAY 'LALCO'

<b>Size</b>	6"x8"	8"x10"	9"x11"	10"x12"	12"x15"	12"x18"	15"x18"	18"x24"
<b>Price/Pcs.</b>	390.00	500.00	528.00	576.00	790.00	936.00	1200.00	1728.00

## 969 ENAMEL BOWL 'LALCO'

<b>Size</b>	12cm	14cm	16cm	20cm	26cm	30cm
<b>Price/Pcs.</b>	140.00	216.00	430.00	528.00	670.00	1020.00

## 972 WATER TAP SWAN NECK BRASS CHROME PLATED 'LALCO'

<b>Size</b>	One Way	Two Way	Three Way
<b>Price/Pcs.</b>	2350.00	3240.00	4750.00

## 975 BUCHNER FUNNEL PORCELAIN THICK STEM 'LALCO'

Cat. No.	Top Diameter (mm)	For Filter Paper Use (mm)	Price/Pcs.
975/01	35	27	130.00
975/02	50	40	160.00
975/03	75	70	190.00
975/03	100	90	360.00
975/04	125	110	490.00
975/05	150	130	855.00
975/06	200	175	2325.00
975/07	250	230	3510.00
975/08	300	260	6840.00



960 961



962



965



966



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969



972



975





978

## 978 MORTAR & PESTLE SET PORCELAIN 'LALCO'

Cat. No.	Top I.D.	Top O.D.	Capacity (ml.)	Price/Pcs.
978/01	60	80	60	110.00
978/02	75	90	100	135.00
978/03	85	105	150	190.00
978/04	100	125	275	280.00
978/05	125	155	550	460.00
978/06	150	180	900	630.00
978/07	175	200	1500	1100.00
978/08	200	230	2000	1330.00
978/09	250	285	4200	4400.00
978/10	300	330	7000	7900.00



979

## 979 MORTAR & PESTLE SET AGET (BLACK) 'LALCO'

Cat. No.	Size O.D. (Inch.)	Price/Pcs.
979/01	2"	1250.00
979/02	3"	1680.00
979/03	4"	2880.00
979/04	5"	4560.00
979/05	6"	9000.00



985

## 985 PTFE BLADE FOR BUTTON STIRRER 'LALCO'

Cat. No.	Joint Size	Blade Size (mm)	Price/Pcs.
985/01	B-19	50 x 15 x 3	120.00
985/02	B-24	50 x 20 x 3	140.00
985/03	B-24	75 x 20 x 3	160.00
985/04	B-29	75 x 25 x 3	190.00
985/05	B-29	100 x 25 x 3	290.00
985/06	B-34	100 x 30 x 3	290.00
985/07	B-34	125 x 30 x 3	330.00
985/08	B-34	125 x 30 x 5	410.00
985/09	B-55	125 x 50 x 5	620.00
985/10	B-55	150 x 50 x 5	690.00



986

## 986 STIRRER GUIDE - PTFE STUFFING BOX 'LALCO'

Cat. No.	Joint Size	Price/Pcs.
986/01	B - 14	550.00
986/02	B - 19	610.00
986/03	B - 24	770.00
986/04	B - 29	925.00
986/05	B - 34	1015.00
986/06	B - 45	2520.00
986/07	B - 55	3710.00

# PTFEWARE / GLASSWARE



## 987 MERCURY SEAL GLAND WITH SLEEVE - PTFE 'LALCO'

Cat. No.	Joint Size	Price/Pcs.
987/01	B - 19	4200.00
987/02	B - 24	4200.00
987/03	B - 29	5150.00
987/04	B - 34	5150.00
987/05	B - 55	7800.00



987

## 991 TEFLON / PTFE COATED MAGNETIC BAR / ROTORS 'LALCO'

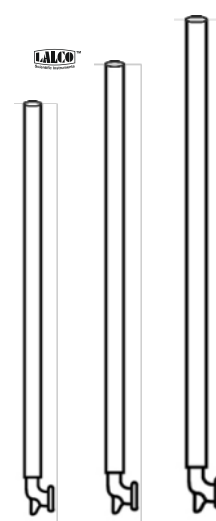
Cat. No.	Top I.D.	Top O.D.	Price/Pcs.
991/01	10 x 6	Centre Ring	220.00
991/02	15 x 8	Centre Ring	230.00
991/03	20 x 9	Centre Ring	245.00
991/04	25 x 9	Centre Ring	253.00
991/05	30 x 9	Centre Ring	270.00
991/06	35 x 9	Centre Ring	285.00
991/07	40 x 9	Centre Ring	305.00
991/08	50 x 9	Centre Ring	410.00
991/09	60 x 10	Centre Ring	800.00
991/10	70 x 12	Centre Ring	935.00
991/11	75 x 12	Centre Ring	960.00
991/12	80 x 12	Centre Ring	1150.00



991

## 1000 GLASS STIRRING ROD BUTTON TYPE 'LALCO'

Cat. No.	Dia mm	Lenght mm	Price/Pcs.
1000/01	6	300	135.00
1000/02	6	450	140.00
1000/03	8	300	170.00
1000/04	8	450	175.00
1000/05	10	300	200.00
1000/06	10	450	205.00
1000/07	10	600	260.00
1000/08	10	750	390.00
1000/09	12	300	350.00
1000/10	12	450	360.00
1000/11	12	600	390.00
1000/12	12	750	490.00



1000

## 1020 SINGLE CHANNEL VARIABLE VOLUME MICRO PIPETTE 'LALCO'

**SEMI AUTOCLAVEABLE**, calibration as per ISO 8655 standards.

**FEATURES:**

- Semi autoclaveable.
- 4 digit display
- Ergonomic design ensuring light weight & soft plunger movement.
- High accuracy & precision guaranteed.
- Calibration report with each pipette.
- Built in stream lined tip ejector facilities easy tip ejection & access to narrow necked both tubes & bottles.
- Constructed of high quality plastic, combined with SS piston for many years of dependable service.



1020

Cat. No.	Volume (Range)	Inc. µl	Vol. µl	Acc. µl	CV µl	Price Pcs.
1020/01	0.2-2.0µl	0.01	0.2/1.0/2.0	12.0/2.5/1.5	6.0/1.5/0.7	4500.00
1020/02	0.5-10µl	0.1	0.5/5.0/10.0	5.0/1.5/1.0	2.8/0.8/0.4	4500.00
1020/03	2-20µl	0.1	2.0/10.0/20.0	5.0/1.0/1.0	1.5/0.6/0.3	4500.00
1020/04	5-50µl	1.0	5.0/25.0/50.0	2.5/0.7/0.7	6.0/1.5/0.7	4500.00
1020/05	10-100µl	1.0	10.0/50.0/100.0	2.5/0.8/0.8	2.8/0.8/0.4	4500.00
1020/06	20-200µl	1.0	20.0/100.0/200.0	2.5/1.0/0.6	1.5/0.6/0.3	4500.00
1020/07	100-1000µl	1.0	100.0/500.0/1000.0	1.6/0.6/0.5	0.3/0.2/0.2	4500.00
1020/08	500-5000µl	10.0	500.0/2500.0/5000.0	1.5/0.6/0.6	0.3/0.2/0.2	6000.00
1020/09	1000-10000µl	10.0	1000.0/5000.0/10000.0	1.5/0.6/0.6	0.3/0.2/0.2	6000.00

## 1021 VARIABLE VOLUME MICRO PIPETTE 'LALCO'

- Variable automatic pipette with calibration as for ISO 8655 standards
- Light weight and ergonomic design report.
- Each pipette in individually tested and supplied with calibration certificate of quality.
- Autocable tip cone.
- One year warranty.



1021

Cat. No.	Volume Range	Increment	Accuracy ± %	Precision (CV≤%)	Price/Pcs.
1021/01	0.5-10µl	0.1µl	± 3.5-1.0	3.0-0.8	2550.00
1021/02	2.0-20µl	0.1µl	± 3.0-1.0	1.5-0.4	2550.00
1021/03	5.0-50µl	1.0µl	± 2.0-0.6	2.0-0.3	2550.00
1021/04	10-100µl	1.0µl	± 2.0-0.8	1.0-0.2	2550.00
1021/05	20-200µl	1.0µl	± 1.0-0.6	0.7-0.2	2550.00
1021/06	100-1000µl	10µl	± 0.6-0.8	0.5-0.2	2550.00
1021/07	1.0-5.0ml	100µl	± 1.8-0.5	0.3-0.2	2850.00
1021/08	2.0-10ml	100µl	± 1.8-0.5	0.3-0.2	2850.00

# LABORATORY MICRO PIPETTES



## 1024 MULTICHANNEL MICRO PIPETTE 'LALCO'

- Multichannel (8) channel fully autoclavable with calibration as per ISO 8655 standards.
- With large and clear 4 digit display, manifold should rotate 360° for pipetting in any direction.
- Two step operation, easy adjustment of volume by turning the plunger.
- On year warranty

Cat. No.	Volume Range	Increment $\mu$ l	Accuracy $\pm$ %	Precision (CV $\leq$ %)	Price/Pcs.
1024/01	0.5-10 $\mu$ l	0.1	$\pm$ 3.5-1.0	3.0-0.8	14500.00
1024/02	2.0-20 $\mu$ l	1.0	$\pm$ 3.0-1.0	1.5-0.4	14500.00
1024/03	5.0-50 $\mu$ l	1.0	$\pm$ 2.0-0.6	2.0-0.3	14500.00
1024/04	10-100 $\mu$ l	1.0	$\pm$ 3.0-0.8	1.0-0.2	14500.00
1024/05	20-200 $\mu$ l	1.0	$\pm$ 1.8-0.6	0.7-0.2	14500.00
1024/06	30-300 $\mu$ l	1.0	$\pm$ 1.5-0.8	0.7-0.2	14500.00



1024

## 1026 BOTTLE TOP DISPENSERS 'LALCO'

**Bottle Top Dispensers :** all wetted parts which comes in contact with reagents are made of PTFE, FEP and borosilicate glass, so can ben used for all laboratory reagents dispensing needs except HF high accuracy and precision is through several stages of strict quality checks during manufacturing. each dispenser is calibrated in accordance with ISO 8655 Standard and supplied with certificate.

### Product Information

#### Description

Piston  
Cylinder  
Valve Housing  
Valve Assembly  
Volume Adjustment  
Delivery Tube  
Inlet Tube  
Discharge Assembly  
Compatibility

### Premium Model

#### Models

PTFE  
Glass  
PTFE  
Glass Ball& Seat  
Screw Type  
FEP  
FEP  
PTFE  
Excellent with all reagents except HF.

Each dispenser is supplied with 1 standard adapter of 30 mm thread and 5 adapters of 28, 32, 36, 40 & 45 mm. to fit in most of the reagent bottles in laboratories.

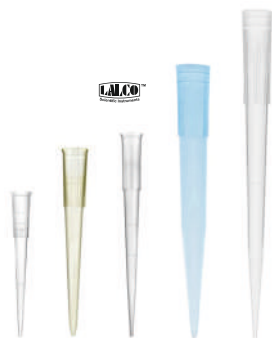
**Note : Instrument is fully autoclavable at 121°C, 15psi.**

Cat. No.	Vol. Range ml.	Increment ml.	Accuracy		CV		Price/Pcs.
			$\pm$ %	$\pm$ ml.	$\pm$ %	$\pm$ ml.	
1026/01	0.25 2.5	0.05	0.6	0.015	0.2	0.015	19500.00
1026/02	0.5-5	0.1	0.6	0.015	0.1	0.050	19500.00
1026/03	1-10	0.2	0.6	0.050	0.1	0.010	19500.00
1026/04	2.5-30	0.5	0.6	0.150	0.1	0.030	22500.00
1026/05	5-60	1.0	0.6	0.300	0.1	0.060	22500.00
1026/06	10-100	2.0	0.5	0.500	0.1	0.100	29500.00



1026

## LABORATORY MICRO PIPETTES / CRUCIBLES



1028

### 1028 TIPS FOR MICRO PIPETTE 'LALCO'

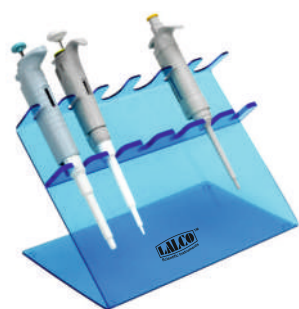
Cat. No.	Capacity	Pkt. Size	Price/Pkt.
1028/01	0.2 - 10 $\mu$ l	1000 Pcs.	600.00
1028/02	2 - 200 $\mu$ l	1000 Pcs.	770.00
1028/03	200 - 1000 $\mu$ l	500 Pcs.	770.00
1028/04	up to 5000 $\mu$ l	100 Pcs.	495.00
1028/05	up to 1000 $\mu$ l	100 Pcs.	770.00
1028/06	up to 10000 $\mu$ l	-	1550.00



1029

### 1029 BOX FOR MICRO TIPS 'LALCO'

Cat. No.	Capacity	Price/Pcs.
1029/01	0.2 - 10 $\mu$ l	385.00
1029/02	2 - 200 $\mu$ l	385.00
1029/03	200 - 1000 $\mu$ l	440.00



1030

### 1030 STAND FOR MICRO PIPETTE 'LALCO' 1650.00

## SILICA CRUCIBLE & NICKLE CRUCIBLE

1036



### 1036 SILICA CRUCIBLE & LID 'LALCO'

Cat. No.	Capacity ml.	Crucible Price/Pc	Lid Price/Pc
1036/01	15	510.00	500.00
1036/02	25	580.00	580.00
1036/03	50	1030.00	1030.00
1036/04	80	2100.00	2100.00
1036/05	100	2340.00	2340.00
1036/06	150	3000.00	3000.00

1037



### 1037 NICKLE CRUCIBLE & LID 'LALCO'

Cat. No.	Capacity ml.	Crucible Price/Pc	Lid Price/Pc
1037/01	25	490.00	348.00
1037/02	50	660.00	510.00









# Registration Certificate

This is to certify that

## SAI SCIENTIFIC INSTRUMENTS

24, VIKAS PURI, NEAR SAI BABA MANDIR, POST OFFICE, INDUSTRIAL AREA, AMBALA CANTT - 133006, HARYANA, INDIA.

has been assessed by RAPL and found to comply with the requirements of

## ISO 9001:2015

Quality Management Systems

For the following activities:

MANUFACTURERS & EXPORTER OF LABORATORY METAL WARE, RESEARCH APPARATUS & SCIENTIFIC GOODS

Certificate Number: E2024038786  
Date of certification: 19/03/2024  
1st Surveillance on or before: 18/03/2025  
1st Surveillance on or before: 18/03/2026  
Certification Valid Until: 18/03/2027



Accredited  
QMS Certification CAB# 119012

*[Signature]*

Director (Certification)  
Royal Assessments Pvt. Ltd.

623 A, Tower-B, (Thum, Plot No. A-40, Sector-62, Noida 201301, India.  
www.royalapl.com, info@royalapl.com  
Phone: +91 120 4291329  
This Certificate can be verified at www.royalapl.com

This Certificate remains the property of Royal Assessments Private Limited. Must be returned on request or if certificate is withdrawn. Validity of this certificate is subject to successful surveillance audits. RAPL is accredited by EGAC. EGAC is member of International Accreditation Forum (IAF) and signatory of MLA.



# Certificate of Compliance

We hereby declare that the technical file of product complied with the requirement of Directive 93/42/EEC according to Medical Device and 86/686/EEC on Personal Protective Equipment Directives.

Certificate No.: QCS-2021-STRN-24413

Manufacturer

Name : SAI SCIENTIFIC INSTRUMENTS

Address : 24, VIKAS PURI, NEAR SAI BABA MANDIR, POST OFFICE, INDUSTRIAL AREA, AMBALA CANTT - 133006, HARYANA, INDIA

Product : "MANUFACTURERS AND EXPORTER OF LABORATORY METAL WARE, RESEARCH APPARATUS AND SCIENTIFIC GOODS"

The Certification body has performed an audit of the above testing and verified the design system, manufacture and final inspection of the certified product. The Product specification has been assessed, approved and is subject to continuous surveillance according to the Directive 93/42/EEC to Medical Device and 86/686/EEC on Personal Protective Equipment Directives.

This certificate is issued under the following conditions:

1. Fulfilled standard requirements as per implementation of suggested standards.
2. The certificate remains valid until the manufacturing conditions are changed.
3. The certificate validity is conditioned by positive results or surveillance audits.
4. After fulfilling the relevant Standard testing performance, the manufacturer shall affix to each device, of the above referenced models.
5. The CE mark as shown can be used, under the responsibility of the manufacturer, after completion of a EEC Declaration of conformity and compliance with all relevant EEC Directive. The statement is based on a single evaluation of one sample of above mentioned product. It does not imply an assessment of the whole production.

Validity of this certificate can be verified at [www.gacb.us](http://www.gacb.us)

Date of Certification: 24<sup>th</sup> Jun 2021

1<sup>st</sup> Surveillance Due: 23<sup>rd</sup> Jun 2022

Date of recertification: 23<sup>rd</sup> Jun 2024

2<sup>nd</sup> Surveillance Due: 23<sup>rd</sup> Jun 2023

(Subject to the company maintaining its system To the required standard)



*[Signature]*  
Authorized Signatory



Validity of this Certificate is subject to Annual Surveillance audits done successfully. This certificate remains the property of QCS and must be returned whenever demanded. QCS is an independent system product and personal assessment body. QCS is accredited by Global Accreditation Certification Board (GACB).  
US OFFICE: Maryland Avenue, SW Washington, D.C. - 20202  
info@qscertgroup.com, www.qscertgroup.com

सूक्ष्म, सघु और मध्यम उद्यम मंत्रालय  
MINISTRY OF  
MICRO, SMALL &  
MEDIUM ENTERPRISES



## CERTIFICATE

# ZED BRONZE

under MSME Sustainable (ZED) Certification Scheme awarded to

Sai Scientific Instruments

UNIT NAME

Flat No:- 24, Building:- VIKAS PURI, Road/Street:- NEAR SAI BABA MANDIR,  
Village/Town:- P.O. INDUSTRIAL AREA, Block:-, City:- AMBALA CANTT, AMBALA,  
HARYANA-133006

UNIT ADDRESS

32-Other manufacturing

CODE (AS PER NIC-2004)

UDYAM-HR-01-0001793

UDYAM REGISTRATION NUMBER

Issued on:  
September 28, 2023







Certificate Validity:  
Three years from the date of issue

Certificate No. 28090023\_012861

This Certificate has been awarded after fulfilling all relevant requirements as laid down in the MSME Sustainable (ZED) Certification Scheme Guidelines for this Certification Level. Award of this Certificate does not substitute any legal requirement needed for setting up or operating an MSME Unit.



## **SAI SCIENTIFIC INSTRUMENTS**

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 +91171 - 2972169, +91-98960 02169, 94683 75391  saiscientific20@gmail.com  [www.saiscientific.co.in](http://www.saiscientific.co.in)