An ISO 9001 / 2015 Quality System Certified Company

ISO 9001 / 2015

PRODUCT PROFILE

KUMAR GROUP













Is Your Lab Safe

It can be .! Kumar can supply you with a wide range of products specifically designed & selected for the laboratory.



The best Laboratory Instrument Manufacturers are hard to find and when we are talking about advanced devices like Cooling Heating, Motorized Pharmaceuticals Equipment's Manufacturers & Supplier's You can be sure that only the best Scientific Manufacturer and Dealers can provide them. We are one of those companies started 45 Years ago as small Scientific Instrument manufacture from Laboratory Metal Wares By Late Dr. Harbans Lal Kumar. This long period shows that only any reliable company who is **PROVIDING** service to industry can stay for such a long time

We are convinced that a quality research project can't be conducted without proper Laboratory Instrument. We Would like you to be our client by offering you the best Scientific Equipment at affordable Prices. Our Products are manufactured under ISO 9001 and 9002 standards of quality. We are always setting our selves new goals during the technological Process As a result, our Products are of latest generation utilizing only the latest concepts and technologies.

For our clients we are always scouting the market of Scientific Instrument. Our inventory comprises of only quality Scientific Products, which are all tested before being dispatched to you. All products, used in your laboratories are thoroughly checked, before we send them to you. we carefully examine and verify the specifications of all our products, checking to see that the equipment corresponds with the required technical Specifications. Different quality checks are conducted along the manufacturing process to ensure that only perfect Products come off assembly line, This is how we guarantee that all the technical requirements are met.

Our equipment's are manufactured respecting all international standards. The laboratory apparatus offered by the **KUMAR GROUP** is checked for compliance with all the requirements of the domestic & international standards

Our qualified engineers will help you install the laboratory instruments. After looking through our catalogue of exporters' laboratory instruments and exporters scientific instruments, you will be able to consult with our qualified and experienced consultants who will discuss your options and requirements regarding the devices you require for your laboratory or research facility.

We take pride in providing the best Pharmaceuticals equipment's and laboratory and scientific instruments in the country. Considering the history of **45 years of KUMAR GROUP** we could say that we are one of the most established companies in this field.

As one of our valued customers, you will benefit from one of the best customer services available on the market with assurance of technical support. You"ll obtain entire support from KUMAR'S staff each of whom has the mechanical know - how to handle any difficulty and provide solutions as well as alternative.

We have a powerful and firm promise of excellence to our clientele , whom we accept as the cornerstones of our success Quality is our motto, and a satisfied clientele is more important and significant to us than short - term profits. **KUMAR** strives to be foremost in all of our goods, nationally and internationally. We also think it's important to win utmost approval, belief and commitment of our much - treasured customers

CATEGORY 1

A
Automatic Pipette Washer 9
Autoclaves 10
Anaerobic Culture Jar 15
Antibiotic Zone Reader 16
B
Bunsen Electric 3
Bacteriological Incubator 3
Bath - Water 5,6,7
Bath - Constant Temperature 7
Bath - Incubator Shaker 7
Bath - Oil 8
Bath - Dye Pot 6
Bath - Sand 8
Bulk Density Apparatus 16
Barn Stead Water Still 9
C
Cylindrical Water Bath 5
Crucible Furnace 3
Constant Temperature Bath 7
Cyclo Mixer (Vortex) 12
Clinic Centrifuge 13
Colony Counter 15
Cylindrical Oil Bath 8
D
Desicator Cabinet 8
Dye Pot Bath 6
Densitometer (Bulk Density) 16
E
Electric Bunsen 3
F
Forced Convection Oven 1
Furnace - Muffle 3
Furnace - Crucible 3
Flow Cup Viscometer 8
Flocculator 14
Friability Test Apparatus 16
G
General Purpose Oven 1
Gyratory Sieve Shaker 13
Griffin Flask Shaker 14
H
Horizontal Autoclave 10
Hot Plate 4
Hot Plat Type Soxhlet 4
Heating Mantle 4
I
Incubator - Bacteriological 3
Incubator Shaker Bath 7
J
Jack - Lab Model 11
Jar Test Apparatus 14
K
Kjeldahl Apparatus 5
L
Laboratories Ovens 1
Laboratory Incubators 3
Laboratory Hot Plate 4
Laboratory Jacks 11
Laboratory Stirrers 12
M
Muffle Furnace 3
Mantle Type Soxhlet 4
Magnetic Stirrer 11
Medico centrifuge 13
Melting Point Apparatus 15
Melting Point Appra With Digital 15,16
Manesty Pattern Water Still 9
O
Orbital Shaking Incubator 7
Orbital Shaking Incubator (with Cooling & Heating) 7
Ovens 1
Oil Bath 8
P
Precision Oven 1
Precision Bacteriological Incubator 3
Paraffin Embending Bath 6
Pipette Washer 9
Precision Oil Bath 8
Precision Constant Temp. Water Bath 7
Portable Autoclave 10
pH Meter Digital 15
Precision Melting Point App. 16
Pharmaceutical Equipments 16
R
Rectangular Water Bath 6
Rotamantle 11
Rotary Shaker 13
Rotary Vacuum Evaporator 14
Rotap Sieve Shaker 13
S
Soxhlet Extraction Heater 4,5
Shaker Water Bath 7
Sand Bath 8
Stirrers 11,12
Shakers 12,13,14
Sieves & Sieves Shakers 12,13
Seitz Filter 15
Serlogical Water Bath 6
T
Temperature Control Unit 9
Tablet Disintegration Test App. 16
Tablet Friabitity Test App. 16
Test Sieves 13
Table Top Sieve Shaker 12
U
Ultra Violet Cabinet 16
Ultra Sonic Bath 2
V
Vacuum Oven(Rectangulor) 2
Vacuum Oven(Round) 2
Vacuum Pump 14
Vortex Mixer 12
V.D.R.L Shaker 13
W
Water Jacketed Oven 2
Water Baths 5,6,7
Water Bath Type - Soxhlet 5
Water Stills 9

CATEGORY 2

B
B.O.D Incubators 17
Blood Bank Cabinet 18
C
Cryostate / Recirculator 21,18
E
Evironmental Test Chamber 19
Evironmental Controller 19
F
Freezer 17
H
Humidity Chamber 19
I
Incubator B.O.D. 17
L
Low Temp. Test Chamber (Vertical Freezers) 17
Low Temp. Chest Freezers (Horizontal Freezers) 17
Low Temp. Cryostate Bath 21
Low Temp. Viscometric Bath 20
Low Temp. Liquid Recirculatot 18
Low Temp. Ultra Split Unit 18
Laminar Flow (Horizontal) 21
Laminar Flow (Vertical) 21
M
Micrprocessor Based Stability Chamber 19
P
Plant Growth Chamber 20
S
Seed Germinators 20
U
Ultra Split Unit 18
V
Viscometric Bath 20

CATEGORY 3

Beakers S.S. 25
Boss Head 23
Burners 24,25
Clamps 22
Corck Borrer Set 25
Draining Rack 25
Filter Pump 25
Gas Cock 24
Pinch Cock 25
Retort Ring 23
Retort Stand 23
Spatulas 25
Stainless Steel Beaker 25
Test Tube Holder 25
Tongs 25
Water Taps 24

GENERAL PURPOSE OVEN

GENERAL PURPOSE OVEN-GRAVITY (NATURAL) CONVECTION
Double Walled Construction Temperature Range: 5°C above ambient to 250°CTemperature Control: By Thermostat / Digital Indicator Cum Controller Inner Chamber: M. S / S. S. Shelves supplied with Galvanized wire mesh. ***(G M P - Model Inner Chamber S. S. 316 Grade , Out Chamber S.S.304 Grade Both Chamber Mirror Finished)***

Cat. No.	Internal Dimension W X D X H cm	No. Of Chamber Shelves	KW	External Dimension W X D X H cm	Weight Kg
KI-03-01	30 X 30 X 30	1	1.25	50 X 45 X75	40
KI-03-02	35 X 35 X 35	2	1.25	55 X 50 X 78	45
KI-03-03	45 X 45 X 45	2	1.75	65 X 60 X 88	55
KI-03-04	45 X 45 X 60	3	2.00	65 X 60 X 103	68
KI-03-05	60 X 60 X 60	3	2.50	80 X 75 X 103	80
KI-03-07	60 X 60 X 90	3	3.00	80 X 75 X 133	105



General Purpose Oven Cabinets of sizes &capacities other than mentioned above can also be offered against specific requirements.

PRECISION OVEN

Triple walled construction. at one side another all side Double Walled Motorized blower recirculates hot air to give positive airflow and uniform temperature of ± 1°C throughout the chamber in conventional Laboratory Oven. **Temperature Range**: 5°C above ambient to 250°C.**Temperature Control**:By Thermostat / Digital Indicator Cum Controller **Inner Chamber:** M. S./ S. S. Shelves supplied with Galvanized wire mesh ***(GMP - Model Inner Chamber S. S. 316 Grade , Outer Chamber S.S.304 Grade, Both Chamber Mirror Finished)***

Cat. No.	Internal Dimension W X D X H cm	No. Of Chamber Shelves	KW	External Dimension W X D X H cm	Weight Kg
KI-03C-01	30 x 30 x 30	1	1.75	50 x 63 x 65	45
KI-03C-02	35 x 35 x 35	2	1.75	55 x 68 x 70	50
KI-03C-03	45 x 45 x 45	2	2.25	65 x 78 x 80	60
KI-03C-04	45 x 45 x 60	3	2.50	65 x 78 x 95	75
KI-03C-05	60 x 60 x 60	3	3.00	80 x 93 x 95	90
KI-03C-07	60 x 60 x 90	3	3.50	80 x 93 x 125	120



FORCED CONVECTION OVEN (DRYING)

Triple Walled Construction at all Side With forced air draft by motorized blower blowing in fresh air from three sides. There is no air recirculation.In models with **Temp. Range** 50°Cto 250°C or 50° to 400° C. Temp. Control is By Thermostat / Digital Indicator Cum Controller Shelves supplied with Galvanized wire mesh ***(GMP - Model Inner Chamber S. S. 316 Grade , Outer Chamber S.S.304 Grade, Both Chamber Mirror Finished)***

Cat. No.	Internal Dimension W X D X H cm	No. Of Chamber Shelves	With Temp. Up to 250 °C			With Temp. Up to 400 °C		
			KW	External Dimension W X D X H cm	Weight Kg	KW	External Dimension W X D X H cm	Weight Kg
KI-03D-01	30 X 30 X 30	1	1.75	68 x 45 x 73	55	2.50	73 x 50 x 78	60
KI-03D-02	35 X 35 X 35	2	1.75	73 x 50 x 78	65	2.50	78 x 55 x 83	70
KI-03D-03	45 X 45 X 45	2	2.25	83 X 60 x 88	75	3.00	88 x 65 x 93	80
KI-03D-04	45 X 45 X 60	3	2.50	83 x 60 x 103	90	4.00	88 x 65 x 108	95
KI-03D-05	60 X 60 X 60	3	3.00	98 x 75 x 103	110	5.00	103 x 80 x 108	115
KI-03D-07	60 X 60 X 90	3	3.50	98 x 75 x 133	150	6.00	103 x 80 x 138	160



VACUUM OVENS – ROUND

Double Walled Construction S.S.304 Grade Round Interior, Exterior Made of CRCA Sheet Finished in Epoxy Paint Dual Coated Vacuum up to 760 mm (-30") of Hg. Unit is fitted with vacuum gauge. Supplied without Vacuum pump. Door is fitted with tuffened glass windows for observation**. User Friendly Locking System Temperature Range:** 50°C to 130°C or 200°C **Temperature Control:** By Micro Controller with Feather Touch Key. ***(GMP - Model Inner Chamber S. S. 316 Grade , Outer Chamber S.S.304 Grade, Both Chamber Mirror Finished)***



Cat. No.	Internal Dimension	Temp. Range	No. of S.S. Shelves	ExternalDimension W X D X H cm	Weight Kg
KI-06A-01	22.5 cm.dia. X 30 cm depth	50 To 130°C Max.	2	38 x 45 x 50	30
KI-06A-02	22.5 cm.dia. X 30 cm depth	50 To 200°C Max.	2	38 x 45 x 50	30
KI-06A-03	30 cm.dia. X 37.5 cm depth	50 To 200°C Max.	3	45 x 50 x 70	45

VACUUM OVENS-RECTANGULAR

Double Walled Construction S.S.304 Grade Rectangular Interior, Exterior Made of CRCA Sheet Finished in Epoxy Paint Dual Coated Vacuum up to 760 mm (-30") of Hg. Unit is fitted with vacuum gauge. Supplied without Vacuum pump. Door is fitted with tuffened glass windows for observation**. User Friendly Locking System Temperature Range:** 50°C to 200°C **Temperature Control:** By Micro Controller with Feather Touch Key.***(GMP - Model Inner Chamber S. S. 316 Grade , Outer Chamber S.S.304 Grade, Both Chamber Mirror Finished)***



Cat. No.	Internal Dimension W X D X H cm	Temp. Range	No. of S.S. Shelves	External Dimension W X D X H cm	Weight Kg
KI-06R-01	30 X 30 X 30	200°C	1	50 x 50 x 70	45
KI-06R-02	35 X 35 X 35	200°C	2	55 x 55 x 75	55
KI-06R-03	45 X 45 X 45	200°C	2	65 x 65 x 85	70

Vacuum Ovens Cabinets of sizes & Temperature other than mentioned above can also be offered against specific requirements.

WATER JACKETED OVEN

Double wall construction Interior and Exterior Made of Stainless Steel 304 Grade with Mirror Finished to fill-up water between two walls, or Triple Walled Construction with Good Quality Insulation in Third Wall. Third wall made of CRCA Sheet Finished in Epoxy Paint Dual Coated provided with inlet and outlet tap, water level arrangement. Water is heated by immersion heater. **Temperature Range** : 5°C above ambient to 98°C.**Temperature Controller :** By Micro Controller with Feather Touch Key.***(GMP - Model Inner and Jacket S. S. 316 Grade , Outer Chamber S.S.304 Grade, Both Chamber Mirror Finished)***



Cat. No.	Internal Dimension W X D X H cm	No. of Shelves	External Dimension W X D X H cm	Weight Kg
KI-04A-01	30 X 30 X 30	1	45 x 45 x 65	40
KI-04A-02	35 X 35 X 35	2	50 x 50 x 70	50
KI-04A-03	45 X 45 X 45	2	60 x 60 x 80	65

ULTRA SONIC BATH

Ultrasonic cleaning depends upon cavitations : The rapid formation an violent collapse of minute bubbles or cavities in a cleaning liquid. This activity creates a highly effective and unique penetrating action that blasts dirt from wherever it hides. Nothing cleans faster, safer or more thoroughly. Enertech's Ultrasonic technology introduces sound in a unique way to produce Broad Spectrum Cleaning the enhancement of Higher power multiple frequencies in a cleaning bath. This results in improved and more precise cleaning that is also environmentally safe. Broad Spectrum Cleaning removes contaminants that defy soaking scrubbing, spraying and other conventional cleaning methods.

SALIENT FEATURES

*Indigenously manufactured with advance MOSFET technology.*Widest frequency range of 18 KHz to 68 Khz. *Digital tuning of Transducers to avoid any freq. shifting.*Compact ,rugged and highly durable systems.*Efficiency of 90% permits maximum cleaning action, low power consumption.* @ 50%of the weight & size of conventional machines. *Extensively protected electronic circuits means longer and safer operations. * Automatic frequency tuning for maximum output.*Input range of 170V AC – 220V Ac, highest immunity to input supply variations.*Digital 99 min pre-settable timer.*Pre - Set Auto Degassing function.*Pulse sweep power for better effective cleaning. *Non - Standard models for specific requirements.



Cat. No.	Bath Dimension LXBXH Inch	Litre
KI-20 US	8 X 4 X 4	2
KI-30 US	9 X 6 X 4	3.3
KI-50 US	8 X 8 X 5	5
KI-60 US	12 X 6 X 6	6.5
KI-100 US	12 X 9 X 6	10

Cat. No.	Bath Dimension LXBXH Inch	Litre
KI-200 US	14 X 12 X 8	20
KI-250 US	15 X 15 X 8	25
KI-300 US	16 X 16 X 6	30
KI-350 US	16 X 16 X 8	35
KI-400 US	22 X 12 X 12	50

e-mail:- kumarinstruments@gmail.com **www.kumarinstruments.com**

BACTERIOLOGICAL INCUBATORS (NATURAL CONVECTION)

Double walled Construction Outer Chamber Made of CRCA Sheet Finished in Epoxy Dual Coated Outer door is fitted with Silicon gasket and Press Type Locking System full-length inner glass door. **Temperature Range**: Ambient + 5°C to 60° C **Temperature Control**: By Thermostat / Digital Indicator Cum Controller **Inner Chamber:** M.S./ SS. Shelves supplied with Galvanized wire mesh***(GMP - Model Inner Chamber S. S. 316 Grade , Outer Chamber S.S.304 Grade, Both Chamber Mirror Finished)***



Cat. No.	Internal Dimension W X D X H cm	External Dimension W X D X H cm	No. of Shelves	Weight Kg
KI-05-02	35 X 35 X 35	50 x 48 x 75	2	40
KI-05-03	45 X 45 X 45	60 x 58 x 83	2	55
KI-05-05	60 X 60 X 60	75 x 73 x 98	3	80

PRECISION BACTERIOLOGICAL INCUBATOR

Double walled Construction Outer Chamber Made of CRCA Sheet Finished in Epoxy Dual Coated Outer door is fitted with Silicon gasket and press type locking system full-lenght inner glass door. **Temperature Range:** ambiant + 5 °C to 60 °C Motorized blower recirculates hot air to give positive airflow and uniform temperature througthout the chamber not achievable in conventional bacteriological incubator **Temperature** Controller: By Thermostat / Digital indicator cum controller inner chamber: M.S. / S.S. Shelves supplied with Galvanized wire mesh ***(GMP - Model Inner Chamber S.S. 316 Grad, Outer Chamber S.S. 304 Grade, Both Chamber Mirror Finished)***



Cat. No.	Internal Dimension W X D X H cm	External Dimension W X D X H cm	No. of Shelves	Weight Kg
KI-05P-02	35 X 35 X 35	53 x 60 x 65	2	45
KI-05P-03	45 X 45 X 45	63 x 70 x 75	2	60
KI-05P-05	60 X 60 X 60	78 x 85 x 90	3	80
KI-05P-07	60 X 60 X 90	78 x 85 x 120	3	110

MUFFLE FURNACE WITH MICRO TEMPERATURE CONTROLLER

Horizontal Rectangular light weight construction. **Temp.** up to 930°C or 1150°C Continuous (1200°C Intermittent) **Temperature Control:** By Digital Display Micro Temperature Controller Cum Indicator with Feather Touch Key. **(GMP - Model, Triple Walled Construction Chamber Made of Alumina with Ceramic, High Dense Cera wool Insulations ,Outer Cabinet Made of Stainless Steel 304 Grade with Mirror Finished, Exhaust System, Micro Temperature Controller with Dual Display, Electronic Safety Controller, Unit Supplied with IQ,OQ, & PQ Documents.)**



Furnace Temperature,Cabinets of sizes &capacities other than mentioned above can also be offered against specific requirements.

Cat. No.	Internal Dimension W X D X H cm	External Dimension W X D X H cm	With Temp. Up To 930°c		External Dimension W X D X H cm	With Temp. Up To 1200°c	
			Rating	Weight Kg		Rating	Weight Kg
KI-25A-01	23 x 10 x 10	53 x 35 x 55	1.6 KW	45	58 x 40 x 60	1.8 KW	50
KI-25A-02	25 x 13 x 13	55 x 38 x 58	2.0 KW	55	60 x 43 x 63	2.2 KW	60
KI-25A-03	30 x 15 x 15	60 x 40 x 60	3.0 KW	65	65 x 40 x 65	3.3 KW	70
KI-25A-04	45 x 23 x 23	75 x 48 x 68	5.0 KW	90	80 x 53 x 73	5.5 KW	100

CRUCIBLE FURNACE WITH MICRO CONTROLLER

Vertical Operation Cabinet Made of CRCA Sheet Finished in Epoxy Paint Dual Coated for Long Life Temperature up to 900°C **Temperature Control:** By Micro Digital Display Temp. Controller cum indicator With Feather Touch Key. **(GMP - Model Outer Cabinet Made of Stainless Steel 304 Grade with Mirror Finished, Exhaust System, Micro Temperature Controller cum Indicator with Dual Display and Safety Controller .)**



Cat. No.	Working Space	Rating	External Dimension W X D X H Cm	Weight Kg
KI-25C	9.5 cm .dia X 10 cm depth	0.75 KW	35 x 35 x35	30

BUNSEN ELECTRIC

S. S. Housing with ceramic for rapid heating. with Energy Regulator.(GMP- Model Large type of Crucible with Electronic Blind Controller, Housing Stainless Steel.)



Cat. No.	Temp. Range	Temp. Controller	External Dimension W X D X H cm	Weight Kg
KI-07	Up to 800°C	Without energy regulator	13 x 20 x 25	3 Kg
KI-08	Up to 800°C	With energy regulator	13 x 20 x 25	4 Kg

e-mail:- kumarinstruments@gmail.com **www.kumarinstruments.com**

HEATING MANTLES-SINGLE SIZE / HEATING MANTLES-MULTI SIZE

Made from fiberglass yarn and mounted in aluminium housing. With Energy Regulator.(Also Available Stainless Steel Housing and Digital Temperature Controller Cum Indicator.)

Single Size			Multi Size		
Cat. No.	Capacity of Flask	Watts	Cat. No.	Capacity of Flask	Watts
KI-13-01	50ml	60	KI-14-01	25-250 ml	120
KI-13-02	100ml	60	KI-14-02	50-500 ml	200
KI-13-03	250ml	120	KI-14-03	250-1000 ml	300
KI-13-04	500ml	200	KI-14-03A	250-2000 ml	400
KI-13-05	1 Ltr.	300	KI-14-04	500-3000 ml	500
KI-13-06	2 Ltr.	400	KI-14-05	1-5 Ltr	2 x 300
KI-13-06A	3 Ltr.	500	KI-14-05A	3-10 Ltr	2 x 500
KI-13-07	5 Ltr.	2 x 300	KI-14-06	5-20 Ltr	3 x 500
KI-13-08	10 Ltr.	2 x 500	KI-14-07	10-50 Ltr	6 x 600
KI-13-09	20 Ltr.	3 x 500			
KI-13-10	50 Ltr	6 x 600			





LABORATORY HOTPLATE ROUND/RECTANGULAR SURFACE

Heat Surface Made of Cast Iron Body Made of CRCA Sheet Finished in Epoxy Paint Dual Coated Max surface Temperature 350°C, Temperature Controlled By Heat Selector Switch, Energy Regulator and Thermostat Control (Also Available Digital Temperature Controller cum Indicator).(GMP- Model-
Heat Surface Made of Heavy Duty Stainless Steel Plate 316 Grade with Mirror Finished Housing Made of Heavy Duty Stainless Steel Sheet with Mirror Finished

Cat. No.	Surface Dia.	Rating	External Dimension L X B X H cm	Weight Kg
KI-21-01	20 cm	1.0 K.W.	30 x 25 x 25	5
KI-21-02	22.5 cm	1.5 K.W.	35 x 30 x 25	7
KI-21-03	30 cm	2.0 K.W.	40 x 35 x 25	10



Cat. No.	Surface Dia. cm x cm	Rating	External Dimension L X B X H cm	Weight Kg
KI-24A-01	20 X 20	0.75 K.W	30 x 25 x 25	5
KI-24A-02	25 X 40	1.20 K.W	43 x 33 x 25	12
KI-24A-03	30 X 45	2.00 K.W	50 x 35 x 25	15
KI-24A-04	45 X 60	3.00 K.W	65 x 50 x 25	25



SOXHLET - MANTLE TYPE

Housing Made of Mild Steel Finished with Epoxy Paint Dual Coated Max Temp. Up to 400°C with multi heating place, without any glass parts.

Cat. No.	Flask Capacity (ml.)	No. of Flasks	No. of Regulators	No. of Switches	Total Watts	External Dimension L X B X H cm	Weight Kg
KI-19-02	100-350	3	1	3	375	55 x 25 x 20	5
KI-19-03	100-500	3	1	3	600	55 x 25 x 20	5
KI-19-06	100-350	3	3	-	375	55 x 25 x 20	6
KI-19-07	100-500	3	3	-	600	55 x 25 x 20	6
KI-19-10	100-350	6	1	6	750	120 x 25 x 20	12
KI-19-11	100-500	6	1	6	1200	120 x 25 x 20	12
KI-19-14	100-350	6	6	-	750	120 x 25 x 20	13
KI-19-15	100-500	6	6	-	1200	120 x 25 x 20	13
KI-19-18	100-350	4	1	4	500	95 x 25 x 20	7
KI-19-19	100-500	4	1	4	800	95 x 25 x 20	7
KI-19-22	100-350	4	4	-	500	95 x 25 x 20	8
KI-19-23	100-500	4	4	-	800	95 x 25 x 20	8



SOXHLET - HOT PLATE TYPE

Housing Made of Mild Steel Finished with Epoxy Paint Dual Coated Hot plate made of Heavy duty CRCA Plate Finished with High Temperature Aluminum Paint type, with multi heating place without glass parts.

Cat. No.	Flask Capacity (ml.)	No. of Flasks	No. of Regulators	No. of Switches	Total Watts	External Dimension L X B X H cm	Weight Kg
KI-20-01	Up to 500ml.	6	1	6	1500	120 x 20 x 25	20
KI-20-03	Up to 500ml.	6	6	-	1500	120 x 20 x 25	22
KI-20A-01	Up to 500ml.	4	1	4	1000	95 x 20 x 25	15
KI-20A-03	Up to 500ml.	4	4	-	1000	95 x 20 x 25	17



SOXHLET - WATER BATH TYPE

Double walled Construction , inside, Lid made of Stainless Steel.304 Grade with Mirror Finished Outer Made of Epoxy Paint Dual coated with superior insulation Between Two walls With Thermostatic control
(Also Available Digital Temperature Controller cum Indicator).
(GMP- Model Inner Chamber Stainless Steel 316 Grade Outer 304 Grade Both are Finished in Mirror).

Cat. No.	Description	External Dimension L X B X H cm	Weight Kg
KI-20B-02	With 4 holes of 4" dia. With concentric rings.	120 x 20 x 25	15
KI-20B-03	With 6 holes of 4" dia. With concentric rings.	130 x 20 x 25	20



KJELDAHL DISTILLATION, DIGESTION AND DIGESTION DISTILLATION COMBINED ASSEMBLIES

Complete Suitable for 6-kjeldahl flasks up to 800ml. Mantle type, complete stands Made of Mild Steel Square Pipe Frame Finished with Powder Coated Paint and fully Folding type for easy Carry able Unit Supplied with Distillation Assembly ,Digestion Assembly, and Distillation , Digestion Combine. But Unit Supplied without clamps , Bosshead & Glass parts(Also Available GMP- Model Made of Stainless Steel Frame and All Housing with Mirror Finished.)

Cat. No.	Description	No. of Regulators	No. of Switches	External Dimension L X B X H cm	Weight Kg
KI-81-02	Distillation assembly	1	6	120 x 25 x 20	20
KI-81-03	Distillation assembly	6	-	120 x 25 x 20	22
KI-82-02	Digestion assembly	1	6	120 x 25 x 20	20
KI-82-03	Digestion assembly	6	-	120 x 25 x 20	22
KI-83-02	Distillation and Digestion	1	6	130 x 75 x 130	50
KI-83-03	Distillation and Digestion	6	-	130 x 75 x 130	50



CYLINDRICAL WATER BATH

Stainless Steel Seamless Single walled Water Bath with Concentric Rings.

Cat. No.	Diameter X Height	Rating	External Dimension L X B X H cm	Weight Kg
KI-26-01	20 cm X 15 cm.	1000 Watts	25 x 20 x 15	3
KI-26-02	25 cm X 15 cm.	1000 Watts	30 x 25x 15	4
KI-26-03	32.5 cm X 15 cm.	1500 Watts	38 x 33 x 15	6



CYLINDRICAL WATER BATH R.B. FLASK

Stainless Steel Seamless Single walled Water Bath suitable for use of Round Bottom Flask.

Cat. No.	Capacity Of R.B.flask	Bath Size Diameter X Height	Rating	External Dimension L X B X H cm	Weight Kg
KI-26A-01	2 Ltr.	20 cm. X 20 cm.	1000 Watts	25 x 20 x 20	3
KI-26A-02	5 Ltr.	25 cm. X 25 cm.	1500 Watts	30 x 25 x 25	5
KI-26A-03	10 Ltr.	33 cm. X 33 cm.	2000 Watts	38 x 33 x 33	7
KI-26A-04	20 Ltr.	40 cm. X 40 cm.	2000 Watts	45 x 40 x 40	8



CYLINDRICAL THERMOSTATIC WATER BATH

Double walled Construction Inner Chamber Made of Seamless Stainless Steel , Outer Mild Steel Epoxy Paint Dual Coated Temp. Range: Ambient +5° to 95°C. Thermostatically Controlled.
(GMP -Model Inner Made of Stainless Steel 316 Grade Outer Made of 304 Grade Both are Mirror Finished, Temperature Controlled By Digital Display Micro Temperature Controller Cum Indicator With Feather Touch Key .)

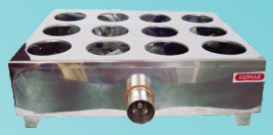
Cat. No.	Capacity of R.B. flask	Bath Size Diameter X Height	Rating	External Dimension L X B X H cm	Weight Kg
KI-26B-01	2 Ltr.	20 cm. X 20 cm.	1000 Watts	35 x 30 x 30	7
KI-26B-02	5 Ltr.	25 cm. X 25 cm.	1500 Watts	40 x 35 x 35	9
KI-26B-03	10 Ltr.	33 cm. X 33 cm.	2000 Watts	45 x 40 x 40	12
KI-26B-04	20 Ltr.	40 cm. X 40 cm.	2000 Watts	55 x 45 x 45	20



e-mail:- kumarinstruments@gmail.com www.kumarinstruments.com

RECTANGULAR WATER BATH

Stainless Steel Single walled, with concentric rings on hole dia. 7.5 cm.



Cat. No.	Bath Size	No. of Holes	Rating	External Dimension L X B X H cm	Weight Kg
KI-27-01	35 X 25 X 10 cm.	6	1000 Watts	40 x 30 x 12	3
KI-27-02	40 X 30 X 10 cm.	12	1000 Watts	45 x 35 x 12	4

RECTANGULAR THERMOSTATIC WATER BATH

Double walled Construction Inner Chamber Made of Seamless Stainless Steel , Outer Mild Steel Epoxy Paint Dual Coated Temp. Range: Ambient +5° to 95°C. Thermostatically Controlled. Or Electronic Digital Display Micro Temperature Controller Cum Indicator With Feather Touch Key. (GMP -Model Inner Made of Stainless Steel 316 Grade Outer Made of 304 Grade Both are Mirror Finished, .)



Cat. No.	Bath Size	No. of Holes	Rating	External Dimension L X B X H cm	Weight Kg
KI-29-01	35 X 25 X 10 cm.	6	1000 Watts	60 x 35 x 25	10
KI-29-02	40 X 30 X 10 cm.	12	1000 Watts	65 x 40 x 25	12

UNIVERSAL WATER BATH

Double walled Construction Inner Chamber Made of Seamless Stainless Steel , Outer Mild Steel Epoxy Paint Dual Coated Temp. Range: Ambient +5° to 85°C. Thermostatically Controlled. Or Electronic Digital Display Micro Temperature Controller Cum Indicator With Feather Touch Key. (GMP -Model Inner Made of Stainless Steel 316 Grade Outer Made of 304 Grade Both are Mirror Finished .)



Cat. No.	Working Size	Rating	External Dimension L X B X H cm	Weight Kg
KI-30A-01	30 X 22.5 X 17.5 cm.	1000 Watts	55 x 33 x 30	15
KI-30A-02	45 X 30 X 17.5 cm.	1500 Watts	70 x 40 x 30	20

SEROLOGICAL WATER BATH

Double walled Construction Inner Chamber Made of Seamless Stainless Steel , Outer Mild Steel Epoxy Paint Dual Coated Temp. Range: Ambient +5° to 60°C. Thermostatically Controlled. Or Electronic Digital Display Micro Temperature Controller Cum Indicator With Feather Touch Key. (GMP -Model Inner Made of Stainless Steel 316 Grade Outer Made of 304 Grade Both are Mirror Finished .)



Cat. No.	Working Size	Rack Accomodation	External Dimension L X B X H cm	Weight Kg
KI-31-01	25 X 15 X 12.5 cm.	2 Kahn Racks	50 x 25 x 25	12
KI-31-02	35 X 25 X 12.5 cm.	4 Kahn Racks	60 x 35 x 25	15
KI-31-03	45 X 25 X 12.5 cm.	6 Kahn Racks	70 x 35 x 25	18

WATER BATH (FOR DYE POTS)

Double walled Construction Inner Chamber Made of Seamless Stainless Steel , Outer Mild Steel Epoxy Paint Dual Coated Temp. Range: Ambient +5° to 95°C. Thermostatically Controlled. Or Electronic Digital Display Micro Temperature Controller Cum Indicator With Feather Touch Key. Unit is supplied without S.S. Dye Pots (GMP -Model Inner Made of Stainless Steel 316 Grade Outer Made of 304 Grade Both are Mirror Finished, .)





Cat. No.	Capacity of Dye Pots	No. of Dye Pots	External Dimension LX B X H cm	Weight Kg
KI-32-01	250 ml	6	65 x 40 x 25	15
KI-32-02	250 ml	12	75 x 55 x 25	20
KI-32-03	500 ml	6	75 x 55 x 25	20
KI-32-04	500 ml	12	90 x 70 x 25	25

PARAFFIN EMBEDDING BATH

Double walled, inner chamber made of stainless steel **Temp. Range:** Ambient +5°C to 65°C **Temp. Control:** Thermostatic Slide drying chamber provided at bottom. Complete with copper cups and tubes with lid and handle.



Cat. No.	Capacity	External Dimension L X B X H cm	Weight Kg
KI-33-01	5 cups with one large cup and 6 tubes	35 x 25 x 20	7
KI-33-02	6 cups and 8 tubes	40 x 30 x 20	9
KI-33-03	12 cups and 12 tubes	50 x 40 x 20	12

PRECISION CONSTANT TEMPERATURE WATER BATH

Double walled construction Inner chamber, false bottom , Lid Made of Stainless Steel 304 Grade with Mirror Finished, Outer Made of CRCA Sheet Finished in Epoxy Paint Dual Coated. Specially Designed Stainless Steel Shaft Motorized Stirrer to insure Uniform Temperature Throughout the Bath, Stainless Steel Tubular Double Insulated with Coolzone Immersion Type Heater Fitted with Out of the work Space, Temperature Range Above Ambient +5° to 95°C., Temperature Controlled By Micro Temperature Controller Cum indicator with Feather Touch KeyControl Accuracy 0.1°C., Choice of Glass Window OR Without Glass Window. (GMP -Model Inner Made of Stainless Steel 316 Grade Outer Made of 304 Grade Both are Mirror Finished.)



Cat. No.	Bath Dimensions L X B X H cm	Rating	External Dimensions L X B X H cm	Weight Kg
KI-30E-01	30 X 22.5 X 17.5	1.0 KW	60 x 38 x 48	25
KI-30E-02	33 X 25 X 20	1.5 KW	63 x 40 x 50	32
KI-30E-03	38 X 30 X 25	2.0 KW	68 x 45 x 55	38

PRECISION CONSTANT TEMPERATURE WATER BATH WITH PUMP

Double walled construction Inner chamber, false bottom , Lid Made of Stainless Steel 304 Grade with Mirror Finished, Outer Made of CRCA Sheet Finished in Epoxy Paint Dual Coated. Specially Designed Stainless Steel Shaft Motorized Pump for Recirculation to insure Uniform Temp. Throughout the Bath, Stainless Steel Tubular Double Insulated with Coolzone Immersion Type Heater Fitted with Out of the work Space,Temp. Range Above Ambient +5° to 95°C., Temp. Controlled By Micro Temperature Controller Cum indicator with Feather Touch Key Control Accuracy 0.1°C., Choice of Glass Window OR Without Glass Window. (GMP -Model Inner Made of Stainless Steel 316 Grade Outer Made of 304 Grade Both are Mirror Finished.)



Cat. No.	Bath Dimensions L X B X H cm	Rating	External Dimensions L X B X H cm	Weight Kg
KI-33AE-01	33 X 25 X 20	1.5 KW	63 x 40 x 50	32
KI-33AE-02	38 X 30 X 25	2.0 KW	68 x 45 x 55	38
KI-33AE-03	45 X 35 X 30	2.5 KW	75 x 50 x 60	42

SHAKER WATER BATHS (METABOLIC SHAKER)

Double walled construction Inner chamber, false bottom , Gabled Lid Made of Stainless Steel 304 Grade with Mirror Finished, Outer Made of CRCA Sheet Finished in Epoxy Paint Dual Coated. Drive by geared motor having variable speed control up to 200 strokes/min., Stainless Steel Tubular Double Insulated with Coolzone Immersion Type Heater Fitted with Out of the work Space, Temperature Range Above Ambient +5° to 95°C. Temperature Controlled By Micro Temperature Controller Cum indicator with Feather Touch Key Control Accuracy 0.1°C. ***(Unit Supplied with 1 No. Platform as per choice of any one)*** ***(GMP -Model Inner Made of Stainless Steel 316 Grade Outer Made of 304 Grade Both are Mirror Finished.)***



Cat. No.	Bath Dimensions L X B X H cm	Flask Capacity And No. of Flask				External Dimensions L X B X H cm	Weight Kg
KI-49S-03	48 X 30 X 16	100ml x 15	250ml x 9	500ml x 6	1000ml x 4	85 x 40 x 25	45

ORBITAL SHAKING INCUBATOR:

Double walled construction Inner Chamber made of Stainless Steel. Outer finished in powder coating epoxy paint. High dense Insulation between two walls. *Compact counter balanced Drive Mechanism. *A.C.Frequency Drive Motor,Maintenance free Continuous operation *Variable Speed from 0 RPM to 300 RPM. *Step less Speed Controller. *Digital Display RPM Indicator. *Temperature Range: above ambient +5° to 60°C. *Plateform Size: 24" X 24". ***(Unit Supplied with 1 No. Platform as per choice of any one)*** ***(GMP -Model Inner Made of Stainless Steel 316 Grade Outer Made of 304 Grade Both are Mirror Finished, .)***



KI-49SI-02 Refrigeration system. Temperature Range: +5° to 60°C.

Shaking Incubator Temperature, Cabinets of sizes &capacities other than mentioned above can also be offered against specific requirements.

Cat. No.	Volume	Flask Capacity And No. of Flask					
		1000 ml	500ml	250ml	150ml	100ml	50ml
KI-49SI-01	16 Ltr	15	25	36	49	64	64

e-mail:- kumarinstruments@gmail.com

CYLINDRICAL OIL BATHS

Double walled Construction Inner Chamber Made of Seamless Stainless Steel , Outer Mild Steel Epoxy Paint Dual Coated Temp. Range: 50°C to 300°C. **Temp. Control:** By Energy Regulator. (GMP -Model Inner Made of Stainless Steel 316 Grade Outer Made of 304 Grade Both are Mirror Finished, Temperature Controlled By Electronic Digital Display Micro Temperature Controller Cum Indicator With Feather Touch Key.)



Cat. No.	Capacity In Ltrs	Watts	External Dimensions L X B X H cm	Weight Kg
KI-52A-01	1	600	32 x 28 x 23	7
KI-52A-02	2	800	35 x 30 x 30	9
KI-52A-03	3	1000	37 x 33 x 32	12
KI-52A-04	5	1500	39 x 35 x 34	20
KI-52A-05	10	1750	45 x 40 x 38	25

PRECISION OIL BATH

Double walled construction Inner chamber, false bottom , Lid Made of Stainless Steel 304 Grade with Mirror Finished, Outer Made of CRCA Sheet Finished in Epoxy Paint Dual Coated. Specially Designed Stainless Steel Shaft Motorized Stirrer to insure Uniform Temperature Throughout the Bath, Stainless Steel Tubular Double Insulated with Coolzone Immersion Type Heater Fitted with Out of the work Space, Temperature Range **Temperature Range**: 50° C. to 200°C, Temperature Controlled By Micro Temperature Controller Cum indicator with Feather Touch Key Control Accuracy ±2° C., Choice of Glass Window OR Without Glass Window. (GMP -Model Inner Made of Stainless Steel 316 Grade Outer Made of 304 Grade Both are Mirror Finished.)



Cat. No.	Bath Dimensions L X B X H cm	Rating	External Dimensions L X B X H cm	Weight Kg
KI-68E-01	30 X 22.5 X 17.5	1.5 KW	60 x 38 x 48	20
KI-68E-02	33 X 25 X 20	2.0 KW	63 x 40 x 50	25
KI-68E-03	38 X 30 X 25	2.5 KW	68 x 45 x 55	30

SAND BATH

Double wall construction, Inner made of Stainless steel. Outside cement sheet fixed on M.S. Angles. The bath is heated by open Type Heaters controlledby Energy Regulator. (Inner Chamber Removable)



Cat. No.	Internal Dimension	Watts	External Dimensions L X B X H cm	Weight Kg
KI-12A-01	30 X 20 X 8.75 cm.	1,000	45 x 30 x 15	9
KI-12A-02	45 X 30 X 8.75 cm	1,750	60 x 40 x 15	15

DESICCATOR CABINET

Made from thick aluminium sheet, stout glass door, two perforated shelves.



Cat. No.	Internal Dimensions L X B X H cm	No. Of Shelves
KI-09	50 X 35X 30	2

FLOW CUP VISCOMETER

Simple Flow cup of the efflux type is used for approximate measurement of apparent viscosity for control of consistency during manufacture & use of paint, lacquers & viscous products. Flow cup with protective skirt are made from gun metal with stainless steel orifice & are equivalent to typeB cups. Each cup can be supplied with stand having leveling screws.



Cat. No.	Cup Type	Nominal Office Dia.	Viscosity Range
KI-76-01	B-2	0.0938"	0.5 Strokes
KI-76-02	B-3	0.1250"	0.4 to 1.2 Strokes
KI-76-03	B-4	0.1563"	0.8 to 2.5 Strokes
KI-76-04	B-5	0.1875"	1.5 to 5.0 Strokes

e-mail:- kumarinstruments@gmail.com **www.kumarinstruments.com**

TEMPERATURE CONTROL UNIT / TIMER BOX

Cat. No.	Description
KI-17	Box with built-in Energy regulator, wire cord and multi socket of 5 and 15 amps, suitable up to 2.5 KW load.



WATER STILL –MANESTY PATTERN CONDENSOR OPENING TYPE

Electrically Operated Automatic Water Still is most suitable & economical mini distillation plant in Laboratory for obtaining pryogen free distilled water.The complete unit is made of Stainless Steel with triple vapor baffle. The lid is automatically sealed with water forming is a recess in the head of the still into which the flange of lid rests which minimizes the loss of steam. The Still is fitted with safety ejection type immersion heater which is capable ofdisplacing the connectors if still runs dry. However to ensure long service, special care should be exercised to avoid the still running dry since the protective arrangement cannot be expected to last beyond three operations. The Heaters are however easily replaceable if required to. The stated output capacity of the still is approximate which may vary depending upon the input voltage of the mains. The still is supplied complete with, constant water level tap inlet, discharge tap of distilled water & waste drain out system. A wall mounting bracket is provided. **Made to Export Quality Standards ISI Mark Heater Seamless Inner & Outer Cylinder S. S Quality - 304 Order code no. WATER STILL - CONDENSER OPENING TYPE Confirming the specifications same as above but the condenser tube can be detached for easy cleaning.**



Cat. No.	Capacity	Watts	Mounting	External Dimensions L X B X H cm	Weight Kg
KI-38-01	2 Litr/hr.	1.5 KW	Wall	75 x 38 x 50	12
KI-38-02	4 Litr/hr.	3.0 KW	Wall	75 x 38 x 50	13
KI-38-03	6 Litr/hr.	4.0 KW	Wall	88 x 43 x 55	15
KI-38-04	8 Litr/hr.	6.0 KW	Wall	100 x 50 x 63	20
KI-38-05	10 Litr/hr.	8.0 KW	Floor Mtg.	138 x 63 x 75	28
KI-38-06	20 Litr/hr.	15.0 KW	With Stand	150 x 68 x 80	35

WATER STILL – BARNSTEAD PATTERN (TABLE TOP VERSION)

The unit is double walled constructed , inner &outer seamless cylinder container, argon welded condenser & multi baffle all fabricated stainless steel provided with a safety eject able immersion heater. The inlet water passing into the Barnstead Still flow around the outside of the condenser tube where it reaches nearly to the boiling point. The heater water passes to the evaporator through the water level pipe and the excess water is drained through drain out. In the evaporator the water is converted in to pure, clean dry steam which rises through the baffle and passes over into the condenser tube where it is condensed into distilled water. Drainage outlet is also provided.



Cat. No.	Capacity	Watts	External Dimensions L X B X H cm	Weight Kg
KI-39-01	2 Litr/hr.	1.5 KW	25 x 25 x 38	10
KI-39-02	4 Litr/hr.	3.0 KW	30 x 30 x 45	12
KI-39-04	10 Litr/hr.	6.0 KW	35 x 35 x 55	15
KI-39-04A	15 Litr/hr.	9.0 KW	45 x 45 x 65	20
KI-39-05	20 Litr/hr.	12.0 KW	55 x 55 x 75	25
KI-39-06	25 Litr/hr.	15.0 KW	65 x 65 x 80	35

Water Stills of sizes, capacities and features other than mentioned above are available against specific requirements

AUTOMATIC PIPETTE WASHER

Fully made of S.S. designed for washing of large quantity of pipettes at a time. A pipette holder of 14 cm. is provided with heavy mesh bottom.

Cat. No.	Description	Size cm
KI-37	Non - Electrical	56 Height X 15 dia.
KI-37A	Electrical heating arrangement for Quick and efficient cleaning	56 Height X 15 dia.



e-mail:- kumarinstruments@gmail.com

PORTABLE AUTOCLAVE – Electrically operated Single Drum

Cat. No.	Description	Size cm	External Dimensions L X B X H cm	Weight Kg
KI-69A-01	Made of Aluminium	30 Dia X 30 Height	35 x 35 x 40	10
KI-69A-02	Made of S.S.	30 Dia X 30 Height	35 x 35 x 40	15



AUTOCLAVE - VERTICAL

Vertical Autoclave suitable for rapid sterilization under pressure for glassware, solutions, culture media, organic & inorganic materials and other surgical labware. The outer body & inner working chamber is made either of heavy gauge Stainless steel. The lid & rings are made of S.S.. The lid is fitted with pressure gauge, safety valves & steam exhaust valve. The Safety Valve is set to blow off at 22 lbs/ sq. Inch to remove excess steam and to maintain the constantpressure. The Silicon gasket is fitted to ensure the steam tight joints. The unit is supported by heavy cast iron legs. Heating: By water immersion heater.
(GMP- Model Inner Chamber Heavy Stainless Steel Sheet 316 Grade , Outer all Metal Part are Stainless Steel 304 Grade Both are Mirror Finished and Unit Fitted with Pressure Control Switch Digital Temperature Controller cum Indicator with Timer and Basket.)



Cat. No.	Working Size cm	Watts	External Dimensions L X B X H cm	Weight Kg
KI-69-01	25 Dia X 45 Height	1.5 KW	35 x 40 x 65	20
KI-69-02	30 Dia X 50 Height	2.0 KW	45 x 50 x 70	25
KI-69-03	35 Dia X 55 Height	3.0 KW	55 x 60 x 85	30
KI-69-04	45 Dia X 60 Height	4.0 KW	70 x 65 x 95	40
KI-69-05	55 Dia X 75 Height	6.0 KW	85 x 90 x 130	65

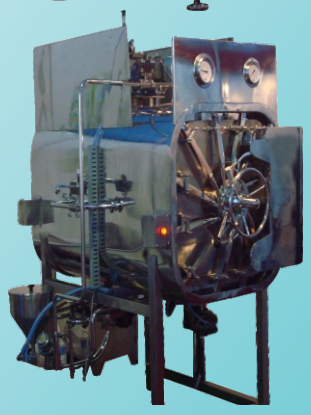
AUTOCLAVE HORIZONTAL CYLINDRICAL / RECTANGULAR

*Inner Chamber is made up of thick non-magnetic stainless steel of 304 quality. *Outer chamber & jacket is made out of steel. *Door is made of S.S. & has radial locking system. *The space between outer chamber & jacket is filled with superior quality of insulation to minimize thermal loss. *Unit is mounted on heavy duty tubular M.S. stand with epoxy paint. *Boiler is provided at bottom of the unit. *Boiler is filled with water level indicator, safety valve, water inlet, & drain valves. *Low water level cut of device is also provided.* Unit is provided with dial type pressure gauge. *Self locking safely door device is provided in all rectangular sterilizers door cannot be opened under pressure. *Multi port valve / Two separate valves are provided for evacuating steam from inner chamber & jacket as and when required. *Vacuum breaker is also provided in case of formation of vacuum due to steam condensation. *Standard Operating pressure is 15 P.S.I. *All unit are hydralically tested up to 40 P.S.I. *Standard work temperature of 15 P.S.I. is 121°C. *To work on 220 / 440V A.C. single phase / 3 phase.



Cat. No.	Working Size/Cylindrical (Dia x Height)cm	Watts
KI-HC-69-01	25 x 45	3 KW
KI-HC-69-02	30 x 50	4 KW
KI-HC-69-03	35 x 55	4 KW
KI-HC-69-04	40 x 60	5 KW
KI-HC-69-05	45 x 60	6 KW
KI-HC-69-06	55 x 75	6 KW

Cat. No.	Working Size/Rectangular (Width x Height x Depth)cm	Watts
KI-HR-69-01	45 x 45 x 90	6 KW
KI-HR-69-02	45 x 60 x 90	9 KW
KI-HR-69-03	60 x 60 x 90	9 KW
KI-HR-69-04	60 x 60 x 120	9 KW
KI-HR-69-05	60 x 75 x 120	12 KW
KI-HR-69-06	60 x 90 x 150	12 KW



OPTIONAL:

Trolley, Automatic Controller, Mechanical Timer with Alarm System
Digital Temperature Indicator, Temperature Chart Recorder
Microprocessor based temperature / pressure controller cum indicator with pressure transmitters
complete automatic operation through advanced PLC system, data control and acquisition systems
with remote location operation facility, user friendly software packages for various reporting and
analytical application

e-mail:- kumarinstruments@gmail.com www.kumarinstruments.com

LABORATORY JACK – HEAVY DUTY

This Laboratory Jack provides support to precise vertical adjustments of laboratory equipments a shot plated bath flask, ground joint glassware etc. It offers steady & effortless raising or lowering action by rotation of a knob and is ideal in supporting instruments in complex setup of all types. The jack is made up of M. S. / Stainless Steel & available in the following sizes.

Cat. No.	Platform Size	Max. load Capacity	Closed Height	Open Height
KI-75-01	120 mm X 140 mm	5 Kg.	75 mm	210 mm
KI-75-02	200 mm X 200 mm	10 Kg.	100 mm	350 mm
KI-75-03	250 mm X 250 mm	45 Kg.	150 mm	350 mm
KI-75-04	300 mm X 300 mm	50 Kg.	150 mm	350 mm
KI-75-05	350 mm X 350 mm	55 Kg.	150 mm	350 mm



LABORATORY JACK – BOX TYPE



Cat. No.	Platform Size	Max. load Capacity	Closed Height	Open Height
KI-73-01	115 mm X 125 mm	20 KG.	80 mm	225 mm
KI-73-02	200 mm X 200 mm	20 KG	80 mm	225 mm

LABORATORY JACK – OPEN TYPE Made of Mild steel painted



Cat. No.	Platform Size	Max. load Capacity	Closed Height	Open Height
KI-74	200 mm X 150 mm	25 KG.	140 mm	330 mm

MAGNETIC STIRRERS

These equipments are intended for stirring solutions of low viscosity in open or closed vessels. Stirring Is accomplished by a magnetised teflon coated paddle to be placed in the container. **Magnetic Stirrer** having variable speed upto 1200 RPM. Hot plate Temperature Controlled by Energy Regulator provided with one teflon paddle depend upon Capacity .(GMP - Model Top Plate Made of Stainless Steel 316 Grade , Housing 304 Grade Both are Mirror Finished.)

Teflon Coated Magnatic Stirrer in diffrent sizes also available

Cat. No.	Description	Capacity	External Dimensions L X B X H cm	Weight Kg
KI-66-01	Without hot plate	1	20 x 20 x 20	4
KI-66-02	With hot plate	1	20 x 20 x 20	5
KI-66-03	Without hot plate	2	25 x 25 x 20	4
KI-66-04	With hot plate	2	25 x 25 x 20	5
KI-66-05	Without hot plate	5	30 x 30 x 20	7
KI-66-06	With hot plate	5	30 x 30 x 20	9
KI-66-07	Without hot plate	10	35 x 35 x 25	9
KI-66-08	With hot plate	10	35 x 35 x 25	10
KI-66-09	Without hot plate	20	40 x 40 x 30	15
KI-66-10	With hot plate	20	40 x 40 x 30	17



ROTAMANTLE – HEATING MANTLE WITH MAGNETIC STIRRER – For variable

ROTAMANTLES are specially designed to meet laboratory requirement of convenient stirring in flask with simultaneous uniform heating by mantles. A combination of heating Mantle cum Magnetic stirrer to obtain heating and stirring in round bottom flasks. These have two tier construction with the upper compartment consisting of heating mantle woven out of fibre glass yarn and fitted with heating element. These are insulated by glass wool to eliminate heat loss and transfer of heat to motor compartment thereby protecting the motor and controls. These are smooth running apparatus utilizing the rotating magnetic field from a balanced permanent magnet to induce variable stirring action and uniform heating in closed open or flat bottom round flask The stirring is accomplished by a small Teflon coated magnetic paddle to be placed in the flask. The stirrer speed and heating energy is controlled by stepless speed and energy regulators respectively

Cat. No.	Capacity Ltr.	External Dimensions L X B X H cm	Weight Kg
KI-66A-01	1	20 x 20 x 30	4
KI-66A-02	2	25 x 25 x 35	6
KI-66A-03	3	30 x 30 x 40	8
KI-66A-04	5	35 x 35 x 45	10



ALL PURPOSE LABORATORY STIRRER

Cat. No.	Motor H.P.	Coupling	Speed Regulator	Capacity Ltr.
KI-58-01	1/20	Chuck	Mount on Electronic	6-8
KI-58-02	1/20	Chuck	2 Amp. Dimmerstat	6-8
KI-61-01	1/20	Bush	Remote Electronic	6-8
KI-62-02	1/20	Bush	2 Amp. Dimmerstat	6-8



MEDIUM DUTY MULTI PURPOSE STIRRER

Cat. No.	Motor H.P.	Coupling	Speed Regulator	Capacity Ltr.
KI-62-01	1/12	Chuck	Remote Stepdown Transformer	10-15
KI-62-02	1/12	Chuck	2 Amp. Dimmerstat	10-15
KI-62-03	1/8	Chuck	2 Amp. Dimmerstat	15-20



HEAVY DUTTY MULTI PURPOSE STIRRER

Cat. No.	Motor H.P.	Coupling	Speed Regulator	Capacity Ltr.
KI-63-01	1 / 4	Chuck	2 Amp. Dimmerstat	35-45
KI-63-02	1 /2	Chuck	2 Amp. Dimmerstat	50-60



LOW SPEED GEARED DRIVE STIRRER

Cat. No.	Motor H.P.	Coupling	Speed Regulator	Capacity Ltr.
KI-65-01	1/20	Bush	Mount on Electronic	3-5
KI-65-02	1/20	Bush	2 Amp. Dimmerstat	3-5
KI-65-05	1/8	Bush	2 Amp. Dimmerstat	8-12



HEAVY DUTY – PULLEY DRIVEN PILOT PLANT STIRRER

Cat. No.	Motor H.P.	Speed Regulator	Capacity Ltr.
KI-67-01	1 / 4	2 Amp. Dimmerstat	30-45
KI-67-03	1 / 2	2 Amp. Dimmerstat	60-90



VORTEX MIXER

The unit is meant for quick and thorough mixing of liquids in test tubes small flasks or bottles. The mixer consist of a cast aluminum body containing the motor and eccentric drive to a rubber buffer on the top. The tube is held against the vibrating buffer and the intensity of agitation controlled by varying the position.,(Optional - Multi Micro Tubes Attachment)

Cat. No.	Description	External Dimensions L X B X D cm	Weight Kg
KI-64-01	Without Touch Plate	20 x 25 x 30	5
KI-64-02	With Touch Plate	20 x 25 x 30	5
KI-64-02/SP	Multi Tube	20 x 25 x 30	5

SIEVE SHAKER – TABLE MODEL

The Body Made of Heavy Duty Frame Finished in Powder Coated .Test Sieve Shaker which can accommodate up to 6 standard sieves of 8" dia. Provide with speed controls for speed regulator, amplitude of vibration & time -: Switch 0 - 60 min. Suitable for operation on 230V AC. 50 Hz.

Cat. No.	Description	Version	External Dimensions L X B X H cm	Weight Kg
KI-54-01	Without Timer & test Sieves	Table Top	60 x 40 x 35	25
KI-54-02	With Timer but without sieves	Table Top	60 x 40 x 35	25





e-mail:- kumarinstruments@gmail.com

SIEVE SHAKER – ROTAP MODEL

Standard Test Sieve Shaker which can produce both Tapping & Circular action & accommodate up to 8 standard sieves of 8"dia. Suitable foroperation on 230V AC. 50 Hz.with / without Timer of 0 - 60 mins It is also provided with receiver & cover



Cat. No.	Description	Version	External Dimensions L X B X H cm	Weight Kg
KI-55-01	Without Timer, Sieves & oil	Floor Model	75 x 75 x 100	70
KI-55-02	With 0-60 min.Timer but without sieves & oil	Floor Model	75 x 75 x 100	70

SIEVE SHAKER – GYRATORY

Gyratory Type Sieve Shaker driven by 1/4 H. P. Motor through a reducing gear suitable to carry up to 8 sieves of 8" dia. In addition to the gyratory motionof the shaker, there is upward & downward movement at a frequency of approximately 270 R. P.M. Ensuring that each sq. Inch of the sieve is utilized. The whole mechanism runs in an oil/grease . Suitable for operation on 230V AC. 50 Hz. Single Phase.



Cat. No.	Description	Version	External Dimensions L X B X H cm	Weight Kg
KI-55A-01	Unit Without Timer, Sieves & oil	Floor Model	50 x 35 x 45	35
KI-55A-02	Unit with Timer but without sieves & oil	Floor Model	50 x 35 x 45	35

Test Sieves Brass / S.S. frame along with S.S. mesh available in 4" / 8" / 12" / 18" Dia.

MEDICO / CLINIC CENTRIFUGE

Suitable for clinical & medical test having speed 3500 RPM.



Cat. No.	Description
KI-87-01	With 4 X 15 ml. Swing out rotor
KI-87-02	With 6 X 15 ml. Swing out rotor

VDRL ROTARY SHAKER

Suitable for V. D. R. L. serological & other clinical diagnostic procedures.



Cat. No.	Platform Size	Timer	Speed
KI-54	30 x 30 cm	0 - 15 min.	180 R.P.M.2

ROTORY SHAKER

Sturdy M. S. Angle sturdy structure fitted with C.I. Pulley to rotate platform having rubber discs to hold different sizes of conical flasks up to 500 ml. Continuous Duty Free Motor, controllable orbit speed up to 250 R. P. M. Available in three different models with platform to hold 16,25 & 36 Nos. 500 ml. Erlenmeyer flasks. (GMP- Model All Construction Stainless Steel and Plate form with Lotus Clamps, with A.C. Motor A.C. Frequency Controller, R.P.M. Indicator Along with Digital Timer.)



Cat. No.	Platform Capacity	External Dimensions L X B X H cm	Weight Kg
KI-45A-01	16 Erlenmeyer Flask of 500 ml	45 x 45 x 45	20
KI-45A-02	25 Erlenmeyer Flask of 500 ml	60 x 60 x 60	35
KI-45A-03	36 Erlenmeyer Flask of 500 ml.	75 x 75 x 60	50

ROTORY SHAKER DOUBLE DECKER

The unit has Base Assembly fabricated from heavy Mild steel Sections. Compact sturdy design . The unit suitable for continuous Operation foundation free system. Compact Five-crankshaft Mechanism Specially design A. C. Drive motor for maintenance free variable speed from 20 to 300 RPM. Shaking Amplitude 30mm Step less Speed Controller. Digital Display RPM Indicator with Pre setting facility. Automatic restart at preset speed in case of Power failure. Inter Changeable Universal Platform.



Cat. No.	Platform Size	Maximum No. of Flasks			
		5000ml	3000ml	2000ml	1000ml
KI-45D-02	36" X 36"	32	44	60	72
KI-45D-03	60" X 60"	128	144	162	180

e-mail:- kumarinstruments@gmail.com

GRIFFIN FLASK SHAKERS (WRIST ACTION)

Wrist Action flask shaking device. Heavy Iron Body Powder coated with side arms with suitable flask holding clamps. Continuos Duty Free Motor , variable speed control. Available in three different models for holding 4, 6, 8 Nos. Of 500 ml. Flasks. (GMP - Model Heavy Stainless Steel Base and Housing with Mirror Finished, A. C. Driven Motor with Frequency Control with Count Down up to 999 minute reset able. Stainless steel Quick fitting Clamp with Silicon Gasket Easy Replaceable Capacity 10 ml to 1000 ml.



Cat. No.	No. of Flask Accommodation	External Dimensions W/o Side Arms L X B X D cm	Weight Kg
KI-46-01	4 Flask up to 500ml.	40 x 35 x 30	20
KI-46-02	6 Flask up to 500ml.	40 x 35 x 30	25
KI-46-03	8 Flask up to 500ml.	40 x 35 x 30	30

ROTORY VACUUM EVAPORATOR, BUCHI TYPE, UNIVERSAL MODEL

A turning evaporator is a system used in substance labs for the effective and soothing elimination of chemicals from examples by standard water loss. When recommended in the substance make up analysis literary works, information of the use of this strategy and devices may consist of the term "rotary evaporator", though use is often rather signaled by other terminology (e.g., "the example was disappeared under decreased pressure").

A easy turning evaporator program was developed by Lyman C. Todd. It was first commercialized by the Europe organization Büchi in 1957.

The main components of a rotary evaporator are:

* A engine system that revolves the standard water loss flask or vial containing the customer's example.
* A steam duct that is the axis for example spinning, and is a vacuum-tight gateway for the steam being attracted off of the example.
* A machine program, to considerably decrease the stress within the evaporator program.
* A warmed liquid shower (generally water) to warm the example.
* A condenser with either a coils moving coolant, or a "cold finger" into which coolant mixes such as dry ice and acetone are placed.
* A condensate-collecting flask at the end of the condenser, to capture the distilling solution after it re-condenses.
* A technical or electric procedure to easily raise the standard water loss flask from the warming shower.

Non-sparking gear drive unit* Support stand with jack arrangement on S. S. Rod. * S. S. Water Bath with heater Control fitted on a jack* Double coiled glass condenser Evaporating flask. *Receiver flask fitted with a ball joint clip. * Feeding tube & vapour path tube.



Cat. No.	Description
KI-90	without Digital model
KI-90 / SP	with Digital RPM Indicator,
KI-90 / SP1	with Digital RPM Indicator, Digital Temp. Cont. cum Indicator and pneumatic Lifting

VACUUM PUMP

Compact, Low noise vacuum pump for evacuation of vessels, leak detection & other laboratory applications. Specially designed for use in laboratories, dental labs, & research centers.! Vacuum oil sealed, Air cooled 1/4 HP. Motor, V-belt driven & mounted on base plate with belt guard & landing on four rubber legs.!



Cat. No.	Capacity	Stage	External Dimensions L X B X H cm	Weight Kg
KI-88-01	50 Ltr.	Single Stage	45 x 40 x 35	30
KI-88-02	50 Ltr.	Double Stage	45 x 40 x 35	35
KI-88-03	100 Ltr.	Single Stage	60 x 45 x 40	50
KI-88-04	100 Ltr.	Double Stage	60 x 45 x 40	60

FLOCCULATOR (JAR TESTING OR MULTI SPINDLE STIRRER)

Continuous duty geared motor drive with built – in speed control. Time Belt to achieve same Speed in all multiple spindles. S. S. Stirring shafts with adjustable height, S. S. propeller. Tube lights for illumination. Unit supplied without glass beakers



Cat. No.	No. of Stirring Paddle	Jar Capacity	External Dimensions L X B X H cm	Weight Kg
KI-89-01	4	1 Ltr	100 x 35 x 75	25
KI-89-02	6	1 Ltr	130 x 35 x 75	30

ANAEROBIC CULTURE JAR BTL TYPE

All metal construction (modified Mcintosh and fields pattern). The unit consist of a metal jar. Rubber sealing ring and cover held in place by a strong bridge clamp. The cover is fitted with two needle valves for evacuation and fitting and a sachet containing a catalyst. Side arm provided for connection to glass tube containing semi solid Lucas indicator.



Cat. No.	Description
KI-47	Without Indicator
KI-48	With a gauge to measure pressure and vacuum.

COLONY COUNTER - DIGITAL

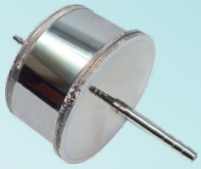
Digital Model – complete with 22 watts round tube.4 Digit Electronic Digital counter resettable, with ruling counting plate, and 100 mm dia. Magnifying glass and counter operated by an Auto Mark Probe



Cat. No.	Description	External Dimensions L X B X H cm	Weight Kg
KI-71	**Automatic**	40 x 35 x 25	5

SEITZ FILTER

Fully made of S.S. to be used with vacuum pump of Gravitational force.



Cat. No.	Size	Capacity
KI-36-01	3cm dia.	30ml
KI-36-02	6cm dia.	100ml
KI-36-03	14cm	750ml

pH METER – DIGITAL



Cat. No.	Description
KI-11-01	3-1 / 2 Digital Ind. pH Range 0-14,Accuracy: 0.1% F.S.D. or 2 mV. Reproducibility + 1 mV. Temp.compensation: 0 – 100°C Manual. Power A pH assess is an program used for determining the pH (acidity or alkalinity) of a liquid (though exclusive probes are sometimes used to assess the pH of semi-solid substances). A typical pH assess has a exclusive determining indicator / sensor / probe (a cup electrode) connected with an electronic assess that activities and reveals the pH learning.

MELTING POINT APPARATUS



Cat. No.	Description	External Dimensions L X B X H cm	Weight Kg
KI-11-02	Aluminum heating block, to accommodate 3 capillary tube and one thermometer. Max. Temp. up to 350°C complete with energy regulator, On/Off Switch, magnifying glass and built-in-lamp but without capillary & thermometer	20 x 15 x 20	3

MELTING POINT APPARATUS WITH DIGITAL



Cat No.	Description	External Dimensions L X B X H cm	Weight Kg
KI-11-02(A)	The Digital Melting Point have been designed with safety and ease of operation in mind making it ideal for use in education. The temperature is selected, measured and displayed digitally making it accurate and negating the need for a thermometer. The unit displays temperature to 1 degree as and hold key so that the exact melting temperature can be recorded. Three samples can be tested simultaneously. They are viewed via a magnifying lens with clear observation aided by built in illumination. Extendible back feet allow the unit to be operated at the optimum viewing angle. Full access to the block aids cleaning.	40 x 30 x 25	6

e-mail:- kumarinstruments@gmail.com

PRECISION MELTING POINT CUM BOILING POINT APPARATUS

Cat. No.	Description	External Dimensions L X B X D cm	Weight Kg
KI-11	Mild Steel housing, silicon oil bath, built-in-Magnetic Stirrer, illuminated background, individuals controls of heating and magnetic stirring. The unit supplied complete with Box of Melting Point Capillary. Boiling point tube, Silicon Oil Bottle, Thermometer 360°C ± 2°C, and Teflon coated stirring bar 9 X 25 mm	45 x 30 x 35	12



TABLET DISINTEGRATION TEST APPARATUS – IP / BP / USP STD.

Continuous duty motor provided up and down motion Basket contains six tubes. The temp. in the beaker is mainted at 35°C ± 2°C. Unit supplied without Glass Beaker and thermometer.

Cat No.	Description	External Dimensions L X B X D cm	Weight Kg
KI-91-01	Unit with single Basket	40 x 30 x 35	12
KI-91-02	Unit with Double Basket	40 x 30 x 35	14



TABLET FRIABILITY TEST APPARATUS

Suitable for friability test of tablet. Automatic timer, provided. Transparent acrylic drum fitted with curved blade.

Cat. No.	Description	External Dimensions L X B X D cm	Weight Kg
KI-92-01	Unit with single Drum	40 x 30 x 40	10
KI-92-02	Unit with Double Drum	45 x 30 x 40	14



ULTRA – VIOLET INSPECTION CABINET

Mild Steel Cabinet inside Mat Black Powder Coated with Bottom Velvet Cloth . For viewing TLC plates under UV light.

Cat. No.	Description	External Dimensions L X B X D cm	Weight Kg
KI-94-01	Cabinet with single wave length to view 365 nm.	40 x 30 x 35	5
KI-94-02	Cabinet with dual wave length range to view short wave 254 nm & long wave 365 nm complete with visible light	40 x 30 x 35	5



ANTIBIOTIC ZONE READER

Antibiotic Zone Reader is suitable for measuring the diameter of inhibited zone A within range of 0 to 35 mm. Accuracy of0.02 mm. The equipment operates on 230 V single phase 50 Hz. AC.

Cat. No.	Description	External Dimensions L X B X D cm	Weight Kg
KI-95	To determine the strength of Antibiotic materials	40 x 30 x 20	9
KI-95/SP	To determine the strength of Antibiotic materials with Digital	40 x 30 x 20	9



BULK DENSITY APPARATUS – DENSITOMETER

To determine the bulk density of powder.

Cat. No.	Description	External Dimensions L X B X D cm	Weight Kg
KI-96	Suitable arrangement to hold Hexagonal round base glass cylinder is provided with rubber cushions. Electric motor driven up and down movement at the rate of 28/32 strokes per min. with auto-preset timer.	40 x 30 x 30	10
KI-96/SP	Suitable arrangement to hold Hexagonal round base glass cylinder is provided with rubber cushions. Electric motor driven up and down movement at the rate of 28/32 strokes per min. with auto-preset timer with digital.	40 x 30 x 30	10



e-mail:- kumarinstruments@gmail.com

CATEGORY

2

B. O. D. INCUBATORS / B. O. D. INCUBATORS WITH BUILT-IN ILLUMINATION

Double walled Construction Outer Chamber Made of CRCA Sheet Finished in Epoxy Dual Coated Outer door is fitted with Silicon gasket and Press Type Locking System full-length inner glass door. **Temperature range**: 5°C to 60°C Fully Automatic Digital Display Temperature Controller Forced air circulation for temperature uniformity ± 0.5°C. Constancy: ± 0.5°C . KBI- MODEL B.O.D Incubator , KBL- MODEL Built in Illumination.(***GMP - Model Inner Chamber S. S. 316 Grade , Outer Chamber S.S.304 Grade, Both Chamber Mirror Finished)***

Cat. No.	Cat. No.	Internal Dimensions H X W X D cm	Capacity		No. of Shelves	External Dimensions H X W X D cm	Weight Kg
			Cu. Ft.	Liters			
KBI-3S	—	50 X45 X40	3	90	1	95 x 60 x 85	70
KBI-6S	KBL-6S	75 X 50 X 45	6	170	2	120 x 70 x 90	90
KBI-10S	KBL-10S	105 X 55 X 50	10	285	3	150 x 70 x 95	130
KBI-12S	KBL-12S	105 X 60 X 55	12	340	3	150 x 75 x 100	150
KBI-16S	KBL-16S	105 X 68 X 63	16	450	3	150 x 83 x 105	180
KBI-35S	KBL-35S	105 X 100 X 95	35	1000	3	150 x 115 x 135	400



OPTIONAL FOR KBI & KBL MODELS

Ultra Violet tube light for KBI Models
Fluorescent tube light for KBI Models
Electrical plug point inside the chamber KBI & KBL
Port hole for gas inlet KBI & KBL
Luxmeter Model KBI & KBL
Fuzzy Auto Tunned PID Programmable Controller, Dual Display with single set point Model KBI & KBL
24 Hrs. ON/OFF cyclic timer for illumination control Model KBI & KBL
Microprocessor Based PID Programmable Control with 20 Programme 60 steps each Programme And PC
Interface Model KBI & KBL
GMP Series Models Provided IQ, OQ & DQ Documentation Model KBI & KBL

LOW TEMPERATURE TEST CHAMBERS (VERTICAL FREEZERS)

Double walled Construction Outer Chamber Made of CRCA Sheet Finished in Epoxy Dual Coated Outer door is fitted with Silicon gasket and Press Type Locking System. . * S. S. doors, one inner door for each compartment to reduce cold air loss. **Temperature Range** : Ambient to –20°C or –30°C. **Temperature controlled:** By Micro Digital Display Temp.Controller cum indicator with feather touch Key. * Superior Quality PUF Insulation.***GMP - Model Inner Chamber S. S. 316 Grade , Outer Chamber S.S.304 Grade, Both Chamber Mirror Finished)***



Cat. No.	Temperature Range	Storage Capacity		Internal Dimensions H X W X D cm	No. of Compartments	External Dimensions H X W X D cm	Weight Kg
		Cu. Ft.	Liters				
KDFV-170	Amb. To –20°C	170	6	70 X 50 X 50	2	115 x 60 x 55	100
KDFV-340	Amb. To –20°C	340	12	105 X 55 X 60	3	150 x 65 x 65	160
KLFV-170	Amb. To –30°C	170	6	70 X 50 X 50	2	120 x 65 x 60	120
KLFV-340	Amb. To –30°C	340	12	105 X 55 X 60	3	155 x 75 x 65	180

LOW TEMPERATURE CHEST FREEZERS (HORIZONTAL FREEZERS)

Double walled Construction Outer Chamber Made of CRCA Sheet Finished in Epoxy Dual Coated Outer door is fitted with Silicon gasket and Press Type Locking System.***Temperature Range**: Ambient to –20°C or –30°C.**Temperature controlled:** Micro Digital Display Temp. Controller cum indicator with feather touch Key. * Superior Quality PUF Insulation. With horizontal version, with chest-top door with sturdy hinges.***GMP - Model Inner Chamber S. S. 316 Grade , Outer Chamber S.S.304 Grade, Both Chamber Mirror Finished)***

Cat. No.	Temp. Range	Storage Capacity		Internal Dimensions H X W X D cm	External Dimensions H X W X D cm	Weight Kg
		Liters	Cu. Ft.			
KDF-100	Amb. To –20°C	100	3.5	60 X 40 X 40	105 x 50 x 50	110
KDF-170	Amb. To –20°C	170	6	85 X 45 X 45	130 x 55 x 55	120
KDF-250	Amb. To –20°C	250	9	100 X 45 X 68	145 x 50 x 78	135
KDF-425	Amb. To –20°C	425	15	125 X 50 X 78	170 x 60 x 88	170
KLF-100	Amb. To –30°C	100	3.5	60 X 40 X 40	110 x 55 x 60	120
KLF-170	Amb. To –30°C	170	6	85 X 45 X 45	135 x 60 x 55	135
KLF-340	Amb. To –30°C	340	12	130 X 50 X 52	185 x 65 x 62	190

OPTIONAL FOR VERTICAL AND HORIZONTAL FREEZERS

Circular Chart / Strip chart recorded for recording temperature
Fuzzy Auto Tunned PID Programmable Controller, Dual Display with single set point
Microprocessor Based PID Programmable Control with 20 Programme 60 steps each Programme And PC Interface GMP Series Models Provided IQ, OQ & DQ Documentation
CUSTOM BUILT CHAMBERS of special sizes and Temperature Up to –80°C



e-mail:- kumarinstruments@gmail.com **www.kumarinstruments.com**

BLOOD BANK CABINETS (VACCINE STORAGE CABINETS)

Ideal for convenient, safe and secure storage of Whole Blood, Vaccines, Reagents, Cultures etc. Double walled superior, insulation, Exterior finished in epoxy coating paint Dual Coated S. S. Interior with number of compartments each having a separate transparent plexi glass door. Forced air circulation for uniform temperature throughout the chamber. Choice of Temperature Control by Micro Digital Temperature Controller with Audio Visual Alarm for variation in temperature and power failure.Providedwith PUF Insulation. **Temperature: 4°C (other temperature optional)**(*GMP - Model Inner ChamberS. S. 316 Grade , Outer Chamber S.S.304 Grade, Both Chamber Mirror Finished)*

Cat. No.	Internal Dimensions H X W X D cm	Capacity		No. of Compartments	External Dimensions H X W X D cm	Weight Kg
		With S.S. Trays For 450 Ml Blood Bottles	With Sliding Drawers For Blood Bags			
KBR-01A	50 x 45 x 40	40 Blood Bottles or 54 Blood Bags		2	95 x 60 x 80	70
KBR-02A	75 x 50 x 45	75 Blood Bottles or 144 Blood Bags		3	120 x 70 x 85	90
KBR-03B	105 x 55 x 50	120 Blood Bottles or 240 Blood Bags		5	150 x 70 x 90	130
KBR-04A	105 x 68 x 63	210 Blood Bottles or 375 Blood Bags		5	150 x 83 x 100	180



OPTIONAL:

Circular Chart / Strip chart recorded for recording temperature
Fuzzy Auto Tunned PID Programmable Controller, Dual Display with single set point
Microprocessor Based PID Programmable Control with 20 Programme 60 steps each Programme And PC Interface
GMP Series Models Provided IQ, OQ & DQ Documentation

LOW TEMPERATURE ULTRA SPILT CRYOSTAT

Double walled construction Chamber , Lid, Made of heavy Stainless Steel Sheetwith Mirror Finished Portable unit, mounted on castor wheels. The cooling selector of the unit has a perforated S. S. Cylinder in which is fitted a stirrer motor and a heater. This can be clamped on the side of a bath. Temperature controlled: by Microprocessor Based PID Programmable Temperature Controller Cum Indicator.(*GMP - Model Inner Chamber S. S. 316 Grade , Outer Chamber S.S.304 Grade, Both Chamber Mirror Finished)*

Cat. No.	Temperature Range	Capacity
KSC-12-6	- 40°C to 80 °C	12 Ltrs
KSC-15-6	- 40°C to 80 °C	15 Ltrs
KSC-25-6	- 40°C to 80 °C	25 Ltrs
OPTIONAL: FOR KCB , KRC ,KVB and KSC Model		
* Fuzzy Auto Tunned PID Programmable Controller, Dual Display with single set point		
Microprocessor Based PID Programmable Control with 20 Programme 60 steps each Programme with PC Interface		
* GMP Series Models Provided IQ, OQ & DQ Documentation		

CUSTOM BUILT BATHS of special sizes and Temperature Up to - 80°C



LOW TEMPERATURE LIQUID RECIRCULATORS

Ideal for recirculating temperature controlled bath liquid to jacketed equipments such as spectrophotometer, X-ray Generators, Ultra Centrifuges, Viscometers, Fermentors etc. Double walled Construction Inner Chamber Made of Heavy Duty Stainless Steel 304 Grade with Mirror Finished Outer Made of Angle Frame with CRCA Sheet finished in Epoxy Paint Dual Coated. Powerful hermeatic compressor. Powerful pump with flow rate control valve continuously circulating liquid at constant temperature through external close/Open loop system. * **Temperature Range**: Ambient to 0°C + 0.3°C. With PUF Insulation. (*GMP - Model Inner Chamber S. S. 316 Grade , Outer Chamber S.S.304 Grade, Both Chamber Mirror Finished)*



Version	Cat. No.	Bath Capacity	Compressor Capacity	Bath Dimensions L X W X D cm
Table Top Models	KRC-12	12 Ltrs.	0.33 H.P.	33 X 25 X 17
Floor Models With Castor Wheel	KRC-15	15 Ltrs.	0.62 H.P.	33 X 25 X 20
	KRC-20	20 Ltrs.	1.5 H.P.	33 X 25 X 25

e-mail:- kumarinstruments@gmail.com **www.kumarinstruments.com**

MICROPROCESSOR BASED STABILITY CHAMBER GMP MODEL

Double walled construction Inner made of Stainless Steel 316 Grade Mirror finished Exterior made of Stainless Steel 304 Grade Mirror finished. Force air circulation for Temperature uniformity. Temp. controlled By Microprocessor Based PID controller with Direct Display of humidity and Temperature. User Friendly Microprocessor Control System for setting and control of Run Parameter. Window based software allows the userto store & analyze the data obtained Menu Driven 20 Programme 60 Steps Each Programme Safety Controller for Prevent over Heating System Audio Visual alarm warning of Temp. & RH Variation and low water level Built in Safety circuit system for Microprocessor Non Volatile Memory for data storage up to 3000 Reading Adjustable Print interval High voltage Safety cut off for unit Protection PC /Printer interface Unit Supplied with, Validation Protocol for IQ, OQ, PQ & DQ as per ICH guidelines. Temp. Range: 5 to 60°C, Constancy ±0.5°C to 1°C Humidity Range: 40 to 95% RH. Dew Point constancy ± 0.5°C to 1°C corresponding to ± 3 to 5% RH.



Cat. No.	Internal Dimensions H X W X D cm	Capacity		No. of Shelves	Inner Chamber	External Dimensions H X W X D cm	Weight Kg
		Cu. Ft.	Ltrs.				
KHGS-3S	50 x 45 x 40	3	90	1	S.S.	120 x 60 x 80	90
KHGS-6S	75 x 50 x 45	6	170	2	S.S.	145 x 70 x 85	115
KHGS-10S	105 x 55 x 50	10	285	3	S.S.	175 x 70 x 90	150
KHGS-12S	105 x 60 x 55	12	340	3	S.S.	175 x 75 x 95	170
KHGS-16S	105 x 68 x 63	16	450	3	S.S.	175 x 83 x 100	200
KHGS-35S	105 x 100 x 95	35	1000	3	S.S.	175 x 115 x 130	525

ENVIRONMENTAL TEST CHAMBERS (WITH COOLING / HEATING & HUMIDITY CONTROL) (WITH HEATING & HUMIDITY CONTROL)

Double walled superior, PUF insulation, exterior finished in powder coating epoxy paint. Fully Automatic Digital Display Temperature and Dew Point Controller. Forced air circulation for uniformity of temp. and dew point within ± 0.5°C.**Temperature Range:** 5 to 60°C,Constancy ±0.5°C to 1°C ***Humidity Range:**40 to 95% RH. Dew Point constancy ± 0.5°C to 1°C corresponding to ± 3 to 5% RHKHC - MODEL COOLING , HEATING AND HUMIDITY – KH- MODEL HEATING AND HUMIDITY ONLY–**Temperature Range :** 5°C. above ambient to 60°C. Constancy ± 0.1°C. 40°C to 60°C . **HumidityRange:** Ambient 95% RH. Dew Point constancy ± 1.0°C corresponding to ± 5% RH. (***GMP - Model Inner Chamber S. S. 316 Grade , Outer Chamber S.S.304 Grade, BothChamber Mirror Finished)***

Cat No.	Cat No.	Internal Dimensions H X W X D cm	Capacity		No. of Shelves	Inner Chamber	External Dimensions H X W X D cm	Weight Kg
			Cu. Ft.	Ltrs.				
KHC-3S	KH-3S	50 x 45 x 40	3	90	1	S.S.	120 x 60 x 80	90
KHC-6S	KH-6S	75 x 50 x 45	6	170	2	S.S.	145 x 70 x 85	115
KHC-10S	KH-10S	105 x 55 x 50	10	285	3	S.S.	175 x 70 x 90	150
KHC-12S	KH-12S	105 x 60 x 55	12	340	3	S.S.	175 x 75 x 95	170
KHC-16S	KH-16S	105 x 68 x 63	16	450	3	S.S.	175 x 83 x 100	200
KHC-35S	KH-35S	105 x 100 x 95	35	100	3	S.S.	175 x 115 x 130	525



OPTIONAL : FOR KHC & KH- MODEL

* Fluorescent tube
* Ultra violet tube light *
* Circular Chart / Strip Chart recorded for recording temperature
* Port Hole for gas inlet with Silicon Cork
* Programmable 24 hrs. ON/OFF cyclic timer for illumination control for Day & Night effect
* Inner electrical outlet
* Director R.H. Indicator DIGITAL
* Fuzzy Auto Tunned PID Programmable Controller, Dual Display with single set point
* GMP Series Models Provided IQ, OQ & DQ Documentation
* Microprocessor Based PID Programmable Control with 20 Programme 60 steps each Programme

ENVIRONMENTAL CONTROLLER (DE-HUMIDIFIER)

Compact Portable Design Cabinet Made of Angle Frame with CRCA Sheet Finished in Epoxy Paint Dual Coated. Refrigerated unit For de-humidification of room atmosphere for Pharmaceutical, Chemical and Food industry and Packaging rooms. requiring lower humidity up to 35 to 40% RH.

Cat. No.	Capacity	No. of De-humidifiers (environmental Controllers) Required For	Number of Room Occupants Including In This Volume
KED – 1	1 Ton	One for every 250 Cu. ft of room volume	5
KED – 2	1.5 Ton	One for every 375 Cu. ft of room volume	7



OPTIONAL

* Fuzzy Auto Tunned PID Programmable Controller, Dual Display with single set point
* Microprocessor Based PID Programmable Control with 20 Programme 60 steps each , Programme And PC Interface
* GMP Series Models Provided IQ, OQ & DQ Documentation

e-mail:- kumarinstruments@gmail.com www.kumarinstruments.com

PLANT GROWTH CHAMBERS (WITH COOLING / HEATING, HUMIDITY & ILLUMINATION CONTROL)

Designed for growth studies of plants and insects under simulated environment. Double walled, superior Insulation, exterior finished in epoxy paint Dual coating . Fully Automatic Digital Display Temp. and Direct RH Programme Controller. Forced air circulation for uniformity of temperature and dew point with ± 0.5°C. Built-in illumination system comprises four 2 ft. fluorescent (Depend upon the Sizes) tube lights fitted outside the working space. **Temperature Range:** 10° to 60°C ± 1°C.**Humidity Range :** 40 to 95% RH ± 3%RH to 5% . ***(GMP - Model Inner Chamber S. S. 316 Grade , Outer Chamber S.S.304 Grade, Both Chamber Mirror Finished)***



Cat. No.	Internal Dimensions H X W X D cm	Capacity		No. of Shelves	Inner Chamber	External Dimensions H X W X D cm	Weight Kg
		Cu. Ft.	Ltrs.				
KIHC-6S	75 x 50 x 45	6	170	3	S.S.	75 x 50 x 45	115
KIHC-10S	105 x 55 x 50	10	285	3	S.S.	105 x 55 x 50	150
KIHC-12S	105 x 60 x 55	12	340	3	S.S.	105 x 60 x 55	170
KIHC-16S	105 x 68 x 63	16	450	3	S.S.	105 x 68 x 63	200

OPTIONAL :

* Circular Chart / Strip chart recorder for recording dry & wet bulb temperature
* Port Hole for gas inlet
*Fuzzy Auto Tunned PID Programmable Controller, Dual Display with single set point
* Microprocessor Based PID Programmable Control with 20 Programme 60 steps each
Programme And PC Interface
*GMP Series Models Provided IQ, OQ & DQ Documentation.

SEED GERMINATORS (WITH COOLING/HEATING & HUMIDITY CONTROL)/ (WITH HEATING & HUMIDITY CONTROL).

Designed for simulation of fixed temperature and humidity values for use in Seed Germination work, Biological Studies, Forestry Research work and other similar applications. Double walled, superior PUF Insulation, exterior finished in epoxy paint Dual coating. Fully Automatic Digital Display Temperature and Direct RH Programme Controller. Forced air circulation for uniformity of temperature and dew point within ± 0.5°C to 1°C.**Temperature Range:** 10 to 60°C ± 0.5°C to 1°C. **Humidity Range**: 40 to 95% RH ± 3% RH to 5% RH.KSC - MODEL COOLING , HEATING AND HUMIDITY – KS- MODEL HEATING AND HUMIDITY ONLY–**Temp. Range :** 5°C. above ambient to 60°C. Constancy ± 0.1°C. 40°C to 60°C . **Humidity Range:** Ambient to 95% RH. Dew Point constancy ± 1.0°C corresponding to ± 5% RH.(***GMP - Model Inner Chamber S. S. 316 Grade , Outer Chamber S.S.304 Grade, Both ChamberMirror Finished)***



Cat. No.	Cat. No.	Internal Dimensions H X W X D cm	Capacity		No. of Shelves	Inner Chamber	External Dimensions H X W X D cm	Weight Kg
			Cu. Ft.	Ltrs.				
KSC-6S	KS-6S	75 x 50 x 45	6	170	6	S.S.	145 x 70 x 85	120
KSC-10S	KS-10S	105 x 55 x 50	10	285	8	S.S.	175 x 70 x 90	160

OPTIONAL FOR KSC AND KS RANGE OF ABOVE SEED GERMINATORS

* Built-in illumination system comprising of four 2 ft, fluorescent tube lights fitted outside the working space and 24 hrs.
effect Lowest Temperature which can reached is 5° C higher, accuracy ± 1°C
* Fuzzy Auto Tunned PID Programmable Controller, Dual Display with single set point
* Microprocessor Based PID Programmable Control with 20 Programme 60 steps each Programme
And PC Interface
* GMP Series Models Provided IQ, OQ & DQ Documentation

LOW TEMPERATURE VISCOMETER BATH / (With Cooling & Heating) (With Heating Only)

Ideal for ubbelohde, Cannon – Fenske or other suspended level type Viscometer tubes. for accurate and reliable close temperature control in low temperature range. Two viewing windows of special grade glass for interior viewing with Illumination Bath Chamber, Chamber lid made of S. S. Exterior finished in epoxy paint Dual coating . Immersion type heater. With Special Insulation for Temperature lose * Continuous duty refrigeration system. Digital Display Temperature Controller.* Solid State Controller for heating system. Heavy duty Stirring for uniform temperature * **Temperature Constancy**: ±0.3°C, (KVB - Model Only Heating (Ambient + 5° C to 95° C.) (***GMP - Model Inner Chamber S. S. 316 Grade , Outer Chamber S.S.304 Grade, Both Chamber Mirror Finished)***



Version	Cat No.	Temperature Range	Working Chamber L X B X D cm	Rating	No. Of Viscometer Tube Accommodation	External Dimensions L X B X H cm	Weight Kg
Table Top Model	KVB-04	0 to 80°C	30 X 20 X 30	1 KW	4	100 x 40 x 45	100
	KVB-04H	Ambient + 5° to 95°C	30 X 20 X 30	1 . 5KW	4	60 x 40 x 45	55

e-mail:- kumarinstruments@gmail.com www.kumarinstruments.com

LOW TEMPERATURE CRYOSTAT BATHS

Efficient laboratory device for accurate and reliable close temperature control in low temperature range. Bath Chamber, Chamber lid made of S.S. Exterior finished in epoxy paint Dual coating . Immersion type heater. With PUF Insulation. Continuous duty refrigeration system. Digital Display Temperature Controller. Solid State Controller for heating system. * Choice of stirrer or circulating pump . * **Temperature Constancy**: ±0.3°C (***GMP - Model Inner Chamber S. S. 316 Grade , Outer Chamber S.S.304 Grade, Both Chamber Mirror Finished)***

Version	Cat. No.	Tempe. Range	Bath Capacity (ltr.)	Chamber Dimensions L X W X D cm	Bath Opening In Cm	External Dimensions H X W X D cm	Weight Kg
Table Top Models	KCB –12-1	0 to 50°C	12 Ltrs	45 x 20 x 15	20 x 20	60 x 35 x 60	40
	KCB –12-2	-20 to 50°C	12 Ltrs	45 x 20 x 15	20 x 20	70 x 40 x 60	45
	KCB –12-3	-30 to 50°C	12 Ltrs	45 x 20 x 15	20 x 20	75 x 45 x 60	50
Floor Models With Castor Wheel	KCB –15-1	0 to 50°C	15 Ltrs	45 x 20 x 17	20 x 20	60 x 35 x 65	50
	KCB –15-2	-20 to 50°C	15 Ltrs	45 x 20 x 17	20 x 20	75 x 45 x 65	55
	KCB –15-3	-30 to 50°C	15 Ltrs	45 x 20 x 17	20 x 20	80 x 50 x 65	60
	KCB –25-1	0 to 50°C	25 Ltrs	52 x 25 x 20	25 x 25	67 x 40 x 70	60
	KCB –25-2	-20 to 50°C	25 Ltrs	52 x 25 x 20	25 x 25	72 x 45 x 70	65
	KCB –25-3	-30 to 50°C	25 Ltrs	52 x 25 x 20	25 x 25	77 x 50 x 70	70



HORIZONTAL LAMINAR FLOW CABINET

Laminar airflow cabinets are designed so as to meet the requirement of US Federal standards 209 B BS 5295 providing particle free air to meet class 100 (class I) conditions. The cabinets are fabricated out of Mild Steel. Interior surface are epoxy painted for its longer life. The worktable is made of Stainless Steel. at top. Side panels are made out of thick transparent plexi glass duly framed. The unit is fitted with prefilter and HEPA filter air is drawn through prefilter and is made to pass through Highly effective HEPA (High efficiency particular air) filter having efficiency rating as high as 99.99% with cold DOP and 99.97% with hot DOP thus retaining all air borne particles of size 0.3 micron and larger. Using a dynamic balance machine the blower and motor assembly is statically and dynamically balanced Motor of ¼ HP capacity operates with minimum noise level .The working area is illuminated by fluorescent light fitted to the unit. The height of the working table provides as comfortable SIT DOWN working position for the operator.

Model	KLH-22	KLH-32	KLH-42	KLH-62	KLH-82
Working Size	2' X 2' X 2'	3' X 2' X 2'	4' X 2' X 2'	6' X 2' X 2'	8' X 2' X 2'
Size of HEPA Filter	2' X 2' X 6'	3' X 2' X 6'	4' X 2' X 6'	3' X 2' X 6'	4' X 2' X 6'
No. of HEPA Filter	1	1	2	2	2
Illumination	1 X 20W	1 X 20W	2 X 40W	2 X 40W	4 X 40W



OPTIONAL ACCESSORIES:

(a)	Static Finish S.S, Table Top (i) Made out of thick 22 SWG (ii) Made out of thick 18 SWG
(b)	Transparent front door (5mm)
(c)	Static Pressure Manometer
(d)	Built in U. V. Germicidal light
(e)	Protective Lamination Film
(f)	Cock for gas, air or vacuum line

VERTICAL LAMINAR FLOW CABINET

OPTIONAL ACCESSORIES:

Model	KLV-22	KLV-32	KLV-42	KLV-62	KLV-82
Working Size	2' X 2' X 2'	3' X 2' X 2'	4' X 2' X 2'	6' X 2' X 2'	8' X 2' X 2'
Size of HEPA Filter	2' X 2' X 6'	3' X 2' X 6'	4' X 2' X 6'	3' X 2' X 6'	4' X 2' X 6'
No. of HEPA Filter	1	1	2	2	2
Illumination	1 X 20W	1 X 20W	2 X 40W	2 X 40W	4 X 40W



(a)	Static Finish S.S, Table Top (i) Made out of thick 22 SWG (ii) Made out of thick 18 SWG
(b)	Transparent front door (5mm)
(c)	Static Pressure Manometer
(d)	Built in U. V. Germicidal light
(e)	Protective Lamination Film
(f)	Cock for gas, air or vacuum line
(g)	Exhaust system for 6 feet duct
(h)	Exhaust Ducting (per running feet)

e-mail:- kumarinstruments@gmail.com www.kumarinstruments.com

CATEGORY

3

CLAMPS

KUMAR DELUXE RETORT CLAMPS

usual shaped with side steel wing-nuts adjustable, die-pressed ,jaws of stainless steel to held objects from 15 to 65 mm circles, light and sturdy. jaws lined with cork.



KCL-01

KUMAR DELUXE RETORT CLAMPS

same as KCL-01 but with quick grip adjustment by a co-axial aluminium allioy nut with lever arms.



KCL-02

KUMAR DELUXE CONDENSER CLAMPS

with 3 prongs, made aluminium alloy quick grip with coaxial almunium alloy nut, nickel plated arms, covered with asbestos sleevings, to hold upto 75 mm circle.



KCL-03

KUMAR DELUXE RETORT CLAMPS

small size, made of mild steel, black enamelled, to hold objects from 10 to 75 mm circles.



KCL-04

KUMAR DELUXE DOUBLE BURETTE RETORT CLAMPS

for two burettes at a time, made of stainless steel without obstructingthe view of graduations, with easy-grip mechanism and worked from the front. can fit any standard retort stand.



KCL-06

KUMAR SUPER BURETTE CLAMPS

made of brass casting copper oxidised, to grip from 10 mm to 25 mm, cork lined jaws.



KCL-07

KUMAR SUPER DOUBLE BURETTE CLAMPS

fisher type, aluminium alloy, for holding 2 burettes, rubber lined jaws.

KCL-08



KUMAR SUPER RETORT CLAMPS

made of brass casting, copper oxidiesed, to grip from 25 mm to 50 mm cork lined jaws.



KCL-09

KUMAR SUPER CONDENSER CLAMPS

made of brass casting, copper oxidised, to grip up to 100 mm, lenght of rod 275 mm approx with cork lined jaws.

same as KCL-10 but lenght of rod 300 mm. **KCL-11**

same as KCL-10 but lenght of rod 375 mm. **KCL-12**



KCL-10

KUMAR SUPER CONDENSER CLAMPS

heavy duty, made of cast iron, to hold objects from 40 mm to 150 mm circle, overall length 450 mm, with cork lined jaws.



KCL-13

KUMAR SUPER THREE FINGER CLAMPS

made of brass casting, copper oxidised, rubber lined jaws, to hold objects upto 100 mm, lenght of rod 225 mm.

same as KCL-14 but lenght of rod 300 mm. **KCL-15**

same as KCL-14 but lenght of rod 375 mm. **KCL-16**



KCL-14

KUMAR SUPER THREE FINGER CLAMPS

heavy duty, made of aluminium cast alloy, double key spring action to hold objects from 40 to 150 mm lenght of rod 450 mm. N.P.

same as KCL-17 but made from brass casting. N.P. KCL-18



KCL-17

e-mail:- kumarinstruments@gmail.com

WATER TAPS & GAS COCKS

KUMAR DELUXE WATER TAPS

heavy duty, simple type one way, serrated, nozzle, chrome plated, screwed for ½" pipe connection.



KWT-01

KUMAR DELUXE WATER TAPS

swan neck one-way height 380 mm approx. chromeplate screwed for ½" pipe connection.



KWT-02

KUMAR DELUXE WATER TAPS

3-way, swan neck side taps bent, and central swan neck, chrome plated screwed for ½"connection.

3-way same as above but side taps straight.



KWT-04

KUMAR DELUXE WATER TAPS

3-way with central swan and side taps straight height of central tap 11" screwed for ½"connection, chrome plated or copper oxidised.

3-way same as KHT-06 but side taps. bent.



KWT-05

KUMAR DELUXE VACUUM TAPS

3 mm bore, with pipe threading at one end, conical at other end for rubber tube connection.



KVT-01

KUMAR DELUXE NEEDLE VALVES

brass inlets and outlets conical for rubber tube connections in sides and control on top, with base for mounting on table. **KVT-02**

KUMAR GAS TAPS WALL FITTINGS (N)&(L)

one way, standard size 3/16" plug bore, boss 3/8" BSP for direct connection to pipes, made of brass, copper oxided.



KMS-011 A

KUMAR GAS TAPS WALL FITTINGS (L)&(N)

one way, standard size 3/16" plug bore, boss 3/8" BSP for direct connection to pipes, made of brass, copper oxidized.



KMS-011 A

KUMAR GAS TAPS WALL FITTINGS (L)&(N)

two-way, large size 5/16" plug bose made of brass copper oxidized



KMS-011 B

KUMAR GAS TAPS WALL FITTINGS (L)&(N)

two-way, standard size 3/16"plug bore boss threaded ½"BSP for direct connection to the pipe made of brass, copper oxidized.



KMS-011 B

KUMAR GAS TAPS WALL FITTINGS (L)&(N)

three way nozzle seperated by 120, 3/16" plug bore base threaded ½" BSP for direct connection to pipes, made of brass, copper oxidized



KMS-011 C

KUMAR GAS TAPS WALL FITTINGS (L)&(N)

four way nozzle seperated by 120, 3/16" plug bore base threaded ½" BSP for direct connection to pipes, made of brass, copper oxidized



KMS-011 D

KUMAR DELUXE BUNSEN BURNER

for LPG. open top. CI base with brass tube with stop cock.

same as above but without stopcock. **KBR-01**



KBR-02

KUMAR DELUXE SPECIAL BUNSEN BURNER

for LPG with wire mash top for spread out flame, with stopcock

same as above but without stopcock. **KBR-03**



KBR-04

e-mail:- kumarinstruments@gmail.com

BOSSHEADS & RETORT STANDS

KUMAR SUPER UNIVERSAL CLAMPS

made of brass casting, copper oxidised, to hold upto 100 mm, lenght of rod 225 mm, jaws lined with cork.

same as KCL -19 but length of rod 300 mm. **KCL-20**

same as KCL019 but length of rod 375 mm. **KCL-21**



KCL-19

KUMAR SPECIAL UNIVERSAL CLAMPS

with bosshead clamp jaws are of aluminium, with brass rod and keys. the bosshead polished alumunium with brass keys. the clamp and bosshead are rustless and specially recommended for use in corrosive working areas.



KCL-22

KUMAR DELUXE BOSSHEAD

made of mild steel casting, holds two rods of 6 to 12 mm diameter at a time at cross angle



KBH-01

KUMAR DELUXE BOSSHEAD

made of gurmetal for use with retort and condenser clamp, black oxidised, with strong thumb screw, hold rods up to 16 mm.

same as KBH-03 but with zamac alloy. **KBH-02**



KBH-03

KUMAR SUPER BOSSHEAD

heavy duty, brass casting. copper oxidised holds rods upto 25 mm.

same as KBH-09 but mild steel casting, copper oxidised. **KBH-80**

heavy duty brass casting, copper oxidised, holds rods upto 40 mm. **KBH-11**

same as above, but made of mild steel castings. **KBH-10**



KBH-09

KUMAR SUPER BOSSHEAD

made of brass casting copper oxidised, double key, to hold rods 6 to 12 mm.

same as KBH-05 but made of mild steel casting copper oxidised. **KBH-04**



KBH-05

KUMAR SUPER BOSSHEAD

made of brass casting, copper oxidised double key, but holds rods upto 16 mm.

same as KBH-07 made of mild steel casting copper oxidised. **KBH-06**



KBH-07

KUMAR DELUXE STAND

made from cast iron, heavy duty, and levelled very precisely to mount on a table. painted black synthetic water proof enamel, and the rod is black painted.



KST-01

KUMAR DELUXE FISHER TYPE RETORT STANDS

these are heavy duty, cast iron stands, precisely turned and polished with pring black enamel. paint base and 750 mm long 12.5 mm dia dull nickel plated rod. the stand has two holes one horizontally and another vertically which make the stand for multi-purpose use, base 300x175 mmsame as KST-03 but with heavy marble base. **KST-04**



KST-03

KUMAR DELUXE TRIANGULAR BASE RETORT STAND

made of cast iron heavy duty with dull nickel plated rod.



KST-05

'A' SHAPE RETORT STAND

cast iron, heavy duty with dull nickel plated rod. **KST-06**

KUMAR DELUXE TRIPOD STANDS

for use with burners etc. upto 200 mm feight. tripod stands are available in triangular or circular top.



KST-07

KUMAR DELUXE RETORT RINGS

for use with retort stands, fitted with bossheads, one and open for easy placing of funnels, black enamelled finished, sizes 75 mm, 100 mm, 130 mm & 150 mm diameter.



KST-08

e-mail:- kumarinstruments@gmail.com

BUNSEN BURNER/SPATULA & TONGS

KUMAR DELUXE MAKER BURNER



KBR-06

for wide flame for higher tempetature with perforated metal cap, with stopcock.

as **KBR-06** but without stopcock. **KBR-05**

KUMAR DELUXE TECHLU BURNER



KBR-09

for LPG for air and high temperature, with stopcock.

for LPG as **KBR-09** without stopcock. **KBR-08**

KUMAR DELUXE SPATULA



KSP-01

KSP-02

with round spoon, at one end and flat a the other end. 140 mm long stainless steel

wire type, stainless steel, with flattened an pointed ends, 150 mm long approx.

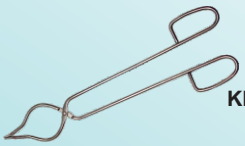
KUMAR DELUXE SPOON



KSP-03

stainless steel, with spoon at one end or both sides flat. available in size 200 mm 280 mm, 322 mm.

KUMAR DELUXE CRUCIBLE TONGS



KMS-01

stainless steel, 180 mm long for firm grips.

KUMAR DELUXE FLASK TONGS



KMS-02

stainless steel 200 mm long, jaws lined with asbestos.

KUMAR DELUXE BEAKER TONGS



KMS-04

stainless steel for large beakers, 250 mm long, jaws lined with asbestos thread or cork.

KUMAR DELUXE FURNACE TONGS



KMS-05

for holding crucibles in furnaces, made of stainless steel, 500 mm long, with protection shield infront, operated by trigger mechanism.

KUMAR DELUXE BEAKERS



KMS-06

stainless steel, with spout, seamless, with or without handle.

DRAINING RACKS



KMS-07

for draining and drying made of stainless steel, holds 90 pieces of assorted glass-ware, the support may be used in 3 positions, lying down, hung on wall or standing upright.

CORK BORER SET



KMS-08

German pattern heavy duty, brass material in sets of 6 or 12.

KUMAR DELUXE VACUUM PUMP



KMS-09

edwards pattern heavy duty.

PINCH COCK



KMS-10

Hoffman's brass nickel plated.

HOLDERS



Test Tube Holder Straight Pattern / Cross Pattern

e-mail:- kumarinstruments@gmail.com

SPECIALLY DESIGN FOR SPECIFIC TEXTILE INDUSTRY



HOT AIR OVEN FOR TEXTURE MATE



YARN SHRINKAGE TEST CHAMBER



HOT WATER BATH FOR TEXTURE MATE



BACTERIA TESTING



OIL DEDUCTIVE CONTAINING TESTING BATH

SPECIALLY DESIGN FOR SPECIFIC CEMENT INDUSTRY



MOISTURE CONTROL CABINET



MOULD CUBE TEST CABINET
DRYING SHRINKAGE TEST CABINET
AND LIME REACTIVITY TEST CABINET



GYPSUM DRYING CABINET



GRAVITY TEST BATH



FURNACE

e-mail:- kumarinstruments@gmail.com

www.kumarinstruments.com

KUMAR INSTRUMENTS

ISO 9001 / 2015

ISO 9001-2015 QUALITY SYSTEM CERTIFIED

Kumar Instruments
54/5911 Basti Haphool Singh Sadar
Thane Road Delhi 110 006
Mob. : 9899463478, 9868115096
E-mal : kumarinstruments@gmail.com
Website : www.kumarinstruments.com