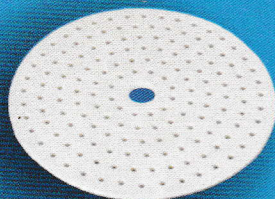
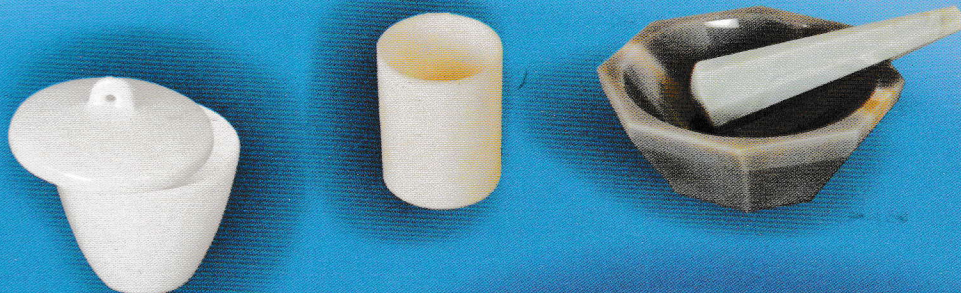
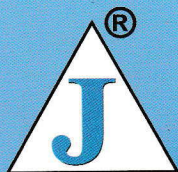


ISO 9001-2008 & 14001-2004 Certified Co.

Silico & Chemico Porcelain Works



Manufacturers & Exporters of :

**Porcelain, High Alumina & Agatewares
For Laboratories, Hospitals and
Industries**



Porcelain Wares

99.7% High Alumina Wares

Agate Wares

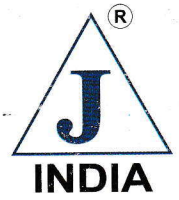


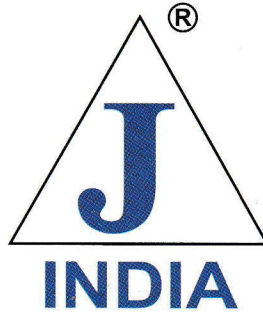
We also undertake to fabricate Porcelain and High Alumina Items to your designs and requirement

C-5, Industrial Estate, G.T. Road, KHURJA 203131 (U.P.) INDIA

55
YEARS
Experience
& Service
to Laboratory

55 Experience
& Service
to Laboratory
YEARS





*Porcelain, High Alumina & Agate wares
for
Laboratories, Hospitals
and
Industries*

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ISO 9001-2008 & 14001-2004 Certified Co.

C-5, Industrial Estate, G.T. Road, KHURJA 203131 (U.P.) INDIA
Tel : (05738) 232206/231606, Fax : (05738) 249685, Mobile : 9837013160, 9837572245, 9837093500
Website : <http://www.laboratoryporcelains.com>
e-mail : jindia25@gmail.com



BRAND LABORATORY PORCELAIN

INTRODUCTION

Established in 1959, **Silico & Chemico Porcelain Works**, is a leading **manufacturer and exporter** of **Chemical Porcelain, Industrial Ceramics, Hospital Porcelain Wares, High Temperature Porcelain Wares, Porous Ceramics, 99.7% High Alumina Wares and Agate Mortar & Pestles**.

Our company is affiliated to premier business organizations like Confederation Of Indian Industries, Indian Ceramic Society, Indian Institute of Ceramics, Export Promotion Bureau, Chemical and Allied Products Exports Promotion Council (CAPEXIL) and All India Pottery Manufacturers Association.

Porcelain, due to its inherent properties like resistance to all reagents except hydrofluoric acid, resistance to thermal shock with low coefficient of expansion, good thermal conductivity and mechanical strength have made it a widely used material for industrial and laboratory supplies. The demand of chemical porcelain is increasing in view of extensive research and development, besides the growing industrial activities in the field of chemicals, fertilizers and petrochemicals, throughout the world.

IMPORTANT PROPERTIES OF 'J INDIA' CHEMICAL PORCELAIN WARE

Thermal Shock Resistance

Average coefficient of expansion from 20° C to 200° C is 3.56×10^{-5} , gradually increasing to 4.69×10^{-5} at 1000° C. Experience has indicated suitability of particular shapes for specific uses. It remains the responsibility of the user to determine the suitability for his use. To prevent thermal stress cracks on porcelain ware, **Silico strongly recommends a heating/cooling rate not to exceed 200° C/hour. High Alumina labware temperature change rate should not exceed 150° C/hour.**

The thermal shock resistance of laboratory porcelain depends on various factors such as the correct correlation of the coefficient of expansion of porcelain body and glaze, the elasticity of glaze, etc. The most important property determining the resistance to fracture under thermal stress is the microstructure of porcelain body. This should consist mainly of Mullite crystals ($3Al_2O_3 \cdot 2SiO_2$). One of the important components of porcelain is quartz. In the final porcelain structure, however, there should be no free quartz on account of its high thermal expansion rate and phase changes which greatly weaken the porcelain body when subjected to changes of temperature. By firing at a high temperature the free quartz introduced into porcelain body is combined with the alumina present and converted into mullite. In our factory every batch of porcelain is subjected to a heat test, and the results obtained far exceed the specified limits.

The Glaze

No softening occurs up to 1000° C, and it is extremely white.

Resistance to Chemical Action

The resistance to acids and alkalis is excellent, except for hydrofluoric acid.

PROLONGING LABWARE LIFE

Follow gradual heating and cooling rates.

- Use an oven or hot plate as an intermediate step when quicker heating/cooling rates are required.
- Gradually increase flame intensity when using a gas burner.
- Avoid contact of heated ware with a cold surface.
- Carefully inspect your labware prior to each use.
- Do not use any product that appears defective.

Quality Policy

Our Quality Policy is to earn customer loyalty by providing products and services of the highest quality. ISO 9001:2008 certificate awarded to us, is a testament to this fact. We listen to our customers and provide them with quality products in a safe and responsible way.

The company is able to deliver the products on time with the help of a well established and efficient logistics department. Owing to the premium quality of our products, we have an export percentage of 50%. We regularly export to many countries of North America, Europe, Africa and Asia.

PRODUCT RANGE

A deep understanding of the industry and requirements of the customers, coupled with sound technological expertise and experience, have led us to a leading position and a worldwide reputation as a trustworthy company supplying finest quality products.

All our products are endowed with "J India" Trade Mark. Silico & Chemico Porcelain Works is engaged as a manufacturer and exporter of the following:

- **Chemical Porcelain Wares**
- **Hospital Porcelain Wares**
- **Porous Ceramics**
- **99.7% High Alumina Wares**
- **Industrial Ceramics**
- **High Temperature Porcelain Wares**
- **Porcelain Wares**
- **Agate Mortar & Pestles**

Crucibles, Dessicator Plates, Evaporating Basins, Buchner Funnels, Hirsch Funnels, etc., are some of the products manufactured by us in the above given categories.

We also undertake to manufacture porcelain items, of special design and shape, as provided by the laboratories and various Institutions. We shall be pleased to supply any technical information which may assist on any problem connected with laboratory porcelain

WARRANTY

Silico, expressly warrants its products to conform to the material specifications outlined in this catalog. This is our sole warranty with respect to these goods.

The characteristics of the raw materials and nature of the processes used to produce catalog items make it impossible to guarantee exact measurements and capacities.

Dimensional descriptions indicate relative sizes and are provided as a convenient reference for our customers. If your dimensional needs are specific, please contact a Silico customer service representative.

Silico makes no other warranty, expressed or implied, for any kind whatever. Silico expressly disclaims any implied warranty of merchantability and any implied warranty of fitness for a particular purpose intended by the purchaser.

Awards

Silico & Chemico Porcelain Works has always been a pioneer, be it in developing and introducing quality products in the market or conforming to industry standards even before they become mandatory. Given below are some of the prestigious awards which have been bestowed upon us:

- Special Felicitation by the Indian Ceramic Society & Director of Industries.
- Prof. Sasadhar Ray Memorial Award
- Padamshri Dr. T. N. Sharma Memorial Award
- Fellowship of Indian Institute of Ceramics
- Life Time Achievement Award by the Indian Ceramic Society.
- Export Promotion Award by Govt. of U.P., India

Infrastructure

Silico & Chemico Porcelain Works has a strong and comprehensive infrastructure comprising of latest machines and highly experienced, skilled and efficient technocrats. The machines function with high level of time & cost efficiency, enabling us to provide our products at highly competitive prices. We have a highly skilled work force with in-depth knowledge of ceramics. The state-of-the-art production unit, skilled workforce and quality control engineers are pivotal in our success, owing to which, we are able to produce 200 thousand articles per month.

Based on the feedback from our clients, we work to design the products that are innovative and unique. We comprehend the needs and wants of clients and try not only to meet but exceed their expectations. Technology plays a very important role in designing products with beautiful aesthetic appeal and consistent quality. We continually upgrade technology to keep abreast with the changing times.

Directions for Ordering

When ordering please specify full particulars along with Catalog No. and size. As it is not possible to deal directly with a large number of laboratories, we have arrangements with Laboratory furnishers, all over the world, to stock and distribute our products. The factory also keeps stocks of all the products to give prompt service to Authorized Stockists and Laboratories alike.

Crucibles



CRUCIBLE (Low Form)

Crucible Low Form, glazed inside and out except for outside bottom surface and rim.

Catalog Number	Capacity (ml)	Height (mm)	Top Outside Diameter (mm)
CL-2	2	12	18
CL-5	5	19	30
CL-10	10	22	35
CL-15	15	25	40
CL-18	18	26	42
CL-21	21	28	45
CL-30	30	32	50
CL-35	35	32	51
CL-50	50	38	60
CL-75	75	43	66
CL-90	90	44	70
CL-100	100	46	76
CL-150	150	52	84
CL-250	250	60	102



CRUCIBLE (Middle Form)

Crucible Middle Form, glazed inside and out except for outside bottom surface and rim.

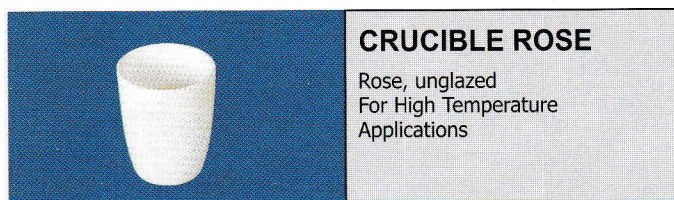
Catalog Number	Capacity (ml)	Height (mm)	Top Outside Diameter (mm)
CM-5	5	22	31
CM-10	10	26	31
CM-15	15	29	35
CM-20	20	32	40
CM-30	30	36	45
CM-45	45	40	50
CM-50	50	43	53
CM-60	60	47	52
CM-80	80	48	60
CM-100	100	54	65
CM-120	120	56	70



CRUCIBLE (Tall/High Form)

Crucible Tall/High Form, glazed inside and out except for outside bottom surface and rim.

Catalog Number	Capacity (ml)	Height (mm)	Top Outside Diameter (mm)
CT-1.3	1.3	15	15
CT-5	5	20	24
CT-9	9	29	26
CT-13	13	33	27
CT-15	15	38	30
CT-20	20	38	34
CT-25	25	40	38
CT-30	30	44	35
CT-35	35	50	40
CT-45	45	49	41
CT-55	55	56	45
CT-72	72	62	50
CT-130	130	75	60
CT-250	250	100	80



CRUCIBLE ROSE

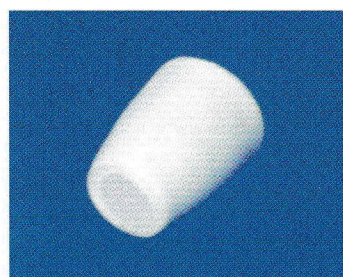
Rose, unglazed For High Temperature Applications

Catalog Number	Capacity (ml)	Height (mm)	Top Outside Diameter (mm)
J-151	70	60	51

Catalog Number	Diameter Inside (mm)	For Crucibles, Capsules and Cups
CC-26	26	CT-5
CC-30	30	CT-9, CT-13
CC-34	34	CL-5, CM-5, CM-10, CT-15
CC-38	38	CL-10, CM-15, CT-20, CT-25, CT-26
CC-45	45	CL-21, CM-30, CT-55
CC-47	47	CL-15, CL-18, CM-20, CT-35, CT-45
CC-54	54	CL-30, CL-35, CM-45, CM-50, CM-60, CT-72
CC-62	62	CL-60, CM-80, CT-130
CC-66	66	CM-100
CC-69	69	CL-75
CC-72	72	CL-90, CM-120
CC-80	80	CL-100, CT-250
CC-93	93	CL-150
CC-105	105	CL-250

Catalog Number	Capacity (ml)	For Filter Paper Diameter(mm)	Height (mm)	Top Outside Diameter (mm)
GC-10	10	15-16	32	29
GC-17	17	18-19	36	30
GC-20	20	20-21	35	34
GC-25	25	20-21	43	35
GC-35	35	21-22	43	41
GC-40	40	23-24	49	40
GC-130	130	30	83	55

Catalog Number	Capacity (ml)	For Filter Paper Diameter(mm)	Height (mm)	Top Outside Diameter (mm)
J-142	28	30-33	24	44

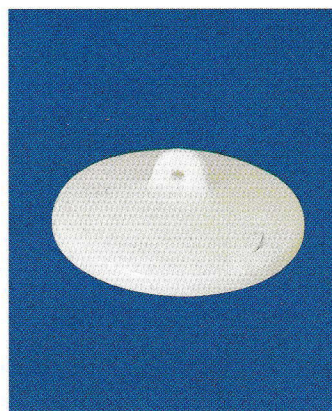


CRUCIBLE POROUS

Porous bottom crucible, with porous disc permanently formed into walls. Stable porosity and rate of flow. Available with very fine (1.2 micron), fine (5 micron) and medium (15 micron) pore dia. Discs.

Catalog Number	Approx. Pore Dia. (mm)	Height (mm)	Capacity (ml.)	Top outside Diameter (mm)
J-148	1.2 microns	42	25	36
J-149	5.0 microns	42	25	36
J-150	15 microns	42	25	36

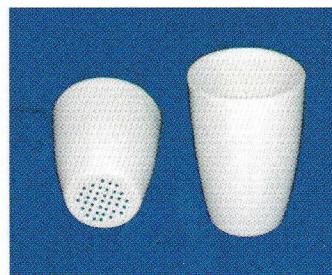
Crucibles Covers



CRUCIBLE COVER

For Crucibles listed below - glazed all over except for rim.

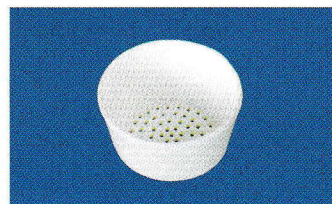
Gooch/Filter Crucibles



CRUCIBLE GOOCH

Gooch crucible, with perforated bottom, glazed inside and out except for outside bottom surface and rim.

Used for total suspended solids determination.



CRUCIBLE BITUMEN

Bitumen Crucible, with perforated bottom, glazed inside and out except for outside bottom surface and rim. Used for similar applications as Gooch crucibles.

Porous Crucibles

'J' Brand Porous ware easily incorporates into many chemical processes, pharmaceutical, mechanical and electronic applications. Its reliability results from years of experience, advancement and refinement of manufacturing techniques.

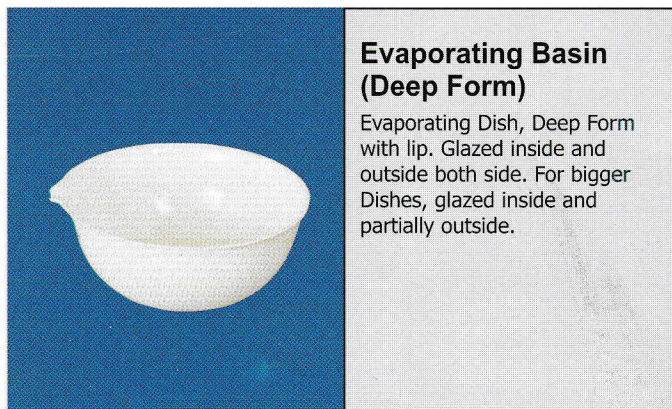
In chemical filtration, 'J' Brand Porous Ware can separate solid particles from liquid or gaseous suspensions. Stream flow is not obstructed by the filtering action.

For glass particle filtration, clarification, polishing and sterilization of serums, vaccines, antitoxins and other biochemical solutions in the pharmaceutical environment, 'J' Brand Porous Ware is ideal.

Mechanical and earth science uses include filtration, diffusion, pressure studies and understand liquid containment studies. 'J' Brand Porous Ware is considered an excellent divider for electrolytic cells.

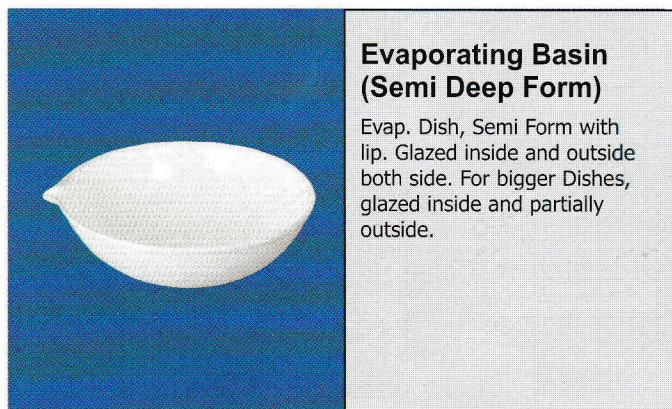
Maximum operating temperatures range from 900 °C to 1200 °C depending upon ceramic composition selected. Variation in temperature will not affect characteristics within their working temperature range.

Evaporating Basin



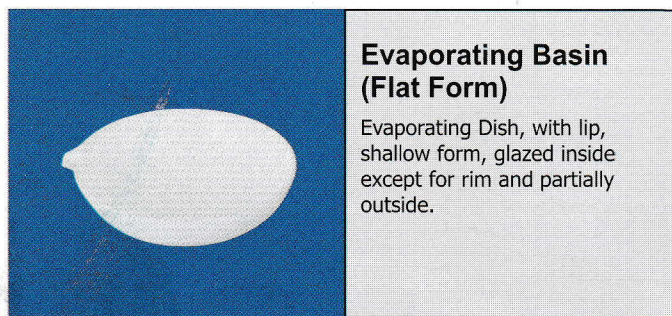
Evaporating Basin (Deep Form)

Evaporating Dish, Deep Form with lip. Glazed inside and outside both side. For bigger Dishes, glazed inside and partially outside.



Evaporating Basin (Semi Deep Form)

Evap. Dish, Semi Form with lip. Glazed inside and outside both side. For bigger Dishes, glazed inside and partially outside.



Evaporating Basin (Flat Form)

Evaporating Dish, with lip, shallow form, glazed inside except for rim and partially outside.

Catalog No.	Capacity (ml)	Top OD (mm)	Height (mm)
DD-25	4	28	18
DD-40	10	40	18
DD-50	22	50	22
DD-60	35	60	27
DD-75	50	73	31
DD-80	75	80	32
DD-85	105	85	41
DD-95	140	95	43
DD-100	190	105	44
DD-115	232	115	47
DD-125	390	130	53
DD-140	500	140	61
DD-150	750	155	66
DD-170	920	170	74
DD-185	1135	187	81
DD-200	1500	202	84
DD-250	3000	255	105
DD-300	4200	300	115
DD-350	5000	355	130
DD-400	8500	400	190

Catalog No.	Capacity (ml)	Top OD (mm)	Height (mm)
DS-75	41	72	18
DS-85	62	83	18
DS-100	110	96	22
DS-110	160	110	27
DS-115	215	117	31
DS-125	250	125	32
DS-140	350	145	41
DS-150	420	152	43
DS-165	558	168	53
DS-175	765	185	54
DS-190	850	190	56
DS-200	1000	202	77
DS-215	1285	215	75
DS-225	1500	240	80
DS-265	2100	265	80
DS-300	3250	305	95

Catalog No.	Capacity (ml)	Height (mm)	Top Outer Dia. (mm)
DF-50	20	14	60
DF-65	28	15	70
DF-75	55	20	80
DF-85	75	22	90
DF-100	110	25	102
DF-115	195	32	120
DF-125	250	30	130
DF-150	450	40	160

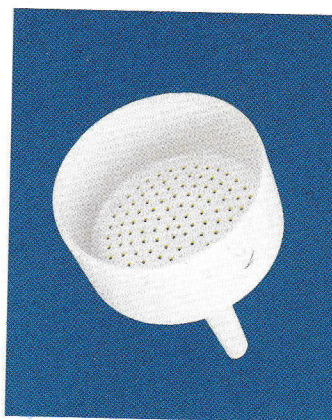
Note : Size OD 175, 200, 250 and 300 mm available on demand.

Funnel

Catalog Number	Cup ID (mm)	Height (mm)	For Filter Paper Use (mm)	Approx. Capacity (ml.)
BF-13	14	64	13	2
BF-20	25	102	20	6
BF-35	41	89	35-40	30
BF-45	48	110	45	35
BF-50	56	110	50-55	80
BF-55	62	120	55	80
BF-70	77	143	70	186
BF-90	97	160	90	320
BF-110	112	195	110	550
BF-115	116	197	115	460
BF-125	130	202	125	700
BF-150	156	221	150	950
BF-185	192	270	185	1700
BF-240	248	350	240	4500
BF-320	325	405	320	7500

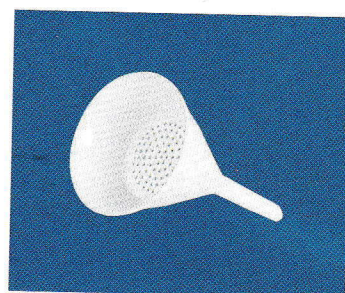
Catalog Number	Top Dia. (mm)	Height (mm)	For Filter Paper Use (mm)
J-780	30	50	10
J-193	42	70	13-15
J-195	50	87	25-30
J-196	78	132	40-47
J-797	94	178	55

Catalog Number	Top Dia. (mm)	Height (mm)	For Filter Paper Use (mm)	Approx. Capacity (Ltr.)
J-181	145	107	125	1 Ltr.
J-182	220	120	185	2 Ltr.



BUCHNER FUNNEL

Buchner with Stem, fixed perforated plate, glazed inside and out except for rim



HIRSCH FUNNEL

Hirsch, with fixed perforated plate. Glaze except for rim

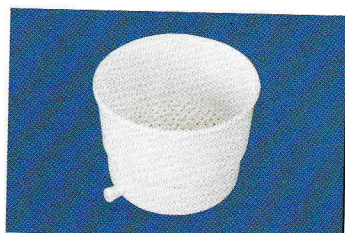
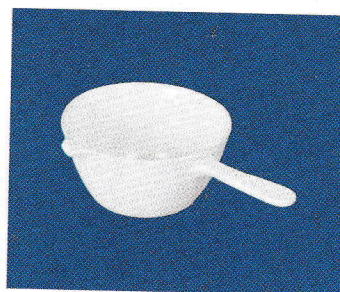


TABLE FUNNEL

Buchner, table type, one piece, with side outlet for vacuum filtration. Glazed inside and out except for rim.

Casserole



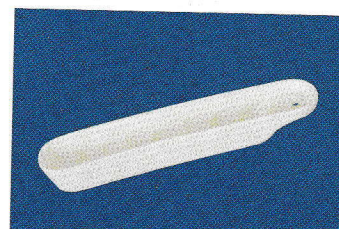
CASSEROLE

With lip and flat porcelain handle, glazed inside and out except for rim and top of handle.

Catalog No.	Top Dia. (mm)	Height (mm)	Capacity (ml.)
J-105	40	22	25
J-106	70	33	65
J-107	85	42	140
J-108	100	52	200
J-109	125	75	500
J-110	150	88	760
J-111	175	98	1,250

Catalog Number	Capacity (ml)	Length (mm)	Width (mm)	Height (mm)
J-801	-	80	11	8
J-802	-	86	13	8
J-114	-	95	15	10
J-115	-	102	20	13


Combustion Boat



COMBUSTION BOAT

Combustion, glazed/unglazed
Max Use Temp. 1150 °C

Mortar & Pestle Set



MORTAR & PESTLE SET (Rough)
Mortar with lip, glazed outside except bottom and unglazed inside. Pestle unglazed to grinding surface. Pestle oversized for hand comfort in grinding


Catalog Number	Mortar Top ID (mm)	Mortar Top OD (mm)	Capacity (ml.)	Mortar Height (mm)
J-701	60	80	60	44
J-702	75	90	100	48
J-703	85	105	150	70
J-704	100	125	275	70
J-705	125	155	550	88
J-706	150	180	900	100
J-707	175	200	1500	115
J-708	200	230	2000	140
J-709	250	285	4200	175
J-710	300	330	7000	205
J-711	350	400		
J-712	400	450		

Catalog Number	For Mortar Catalog Number	Pestle Length (mm)
J-252	J-701/702	93
J-206	J-703/198	114
J-207	J-704/199	130
J-208	J-705/200	157
J-209	J-706/201	180
J-210	J-707/202	194
J-211	J-708/203	222
J-212	J-709/204	262
J-213	J-710/205/214	280




PESTLE
Pestle unglazed on grinding surface. Pestle oversized for hand comfort in grinding. (Autoclavable)

Catalog Number	For Mortar Catalog Number	Mortar Top Inside Dia (mm)
J-735	J-701	60
J-736	J-702	75
J-737	J-703	85
J-738/215	J-704/198/199/200	100
J-739	J-705	125, 130
J-740/216	J-706/201/202	160, 150
J-741	J-707	175
J-742/217	J-708/203/204	200
J-743	J-709	250
J-744/218	J-710/205/214	300



PESTLE Wooden Handle
Pestle has porcelain grinding head and wooden handle. (Handle is not autoclavable)

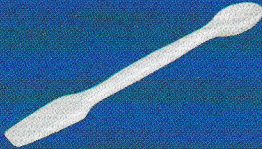


MORTAR & PESTLE SET (Full Glazed)
Mortar with lip, outside & inside glazed except bottom. Pestle fully glazed & oversized for hand comfort in grinding.


(Note : The same sizes are also available with inside unglazed grinding surface with pestle grinding surface unglazed.)

Catalog Number	Mortar Top OD (mm)	Height (mm)	Capacity (ml.)	Pestle Length (mm)
MG-60	60	32	25	52
MG-70	70	37	30	52
MG-80	81	42	50	84
MG-90	91	46	75	84
MG-100	100	50	110	103
MG-115	113	56	150	132
MG-125	125	64	220	132
MG-150	144	71	325	158
MG-165	163	82	500	175
MG-185	183	90	730	210
MG-215	215	104	1135	255


SPATULA



SPATULA WITH SPOON
Glazed, spoon on one end, spatula on other.




SPATULA
Glazed, long spatula on one end, knob on other.



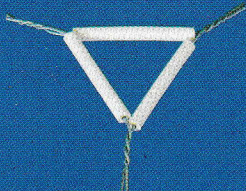
DOUBLE SPATULA
Glazed with long spatula on both end.

BEEHIVE SHELVES



BEEHIVE SHELVES
All glazed except bottom and top rim.

CLAY PIPE TRIANGLES



CLAY PIPE TRIANGLES
With thick or thin wires, pipes unglazed

Catalog Number	Capacity (ml)	Length (mm)	Height (mm)
J-1071	100	160	50
J-1072	100	158	45
J-1073	185	167	46

Catalog No.	Length (mm)	Capacity (ml)
J-226	100	0.1
J-227	125	0.3
J-228	165	0.5
J-229	198	1.2
J-230	260	5.5


Catalog No.	Length (mm)
J-225	205

Catalog No.	Length (mm)
BSp-105	105
BSp-130	130
BSp-145	145
BSp-160	160
BSp-185	185
BSp-200	200
BSp-250	250
BSp-300	300

Catalog Number	Top Diameter (mm)	Height (mm)	Hole Diameter (mm)
J-651	60	30	15
J-652	75	38	16
J-653	85	50	16
J-654	100	60	22

Catalog No.	Size (mm)
J-884	50
J-885	60
J-886	75

NETI POT

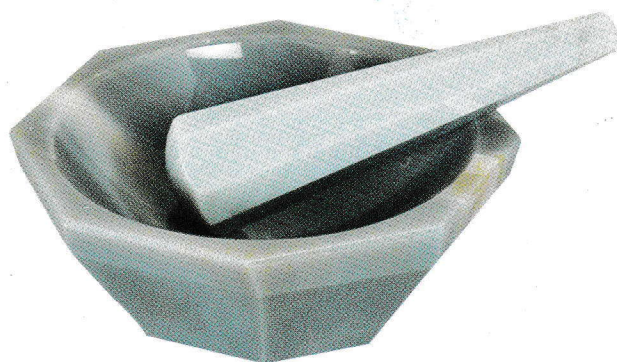


NETI POT (NOSE WASH POT)
All glazed except bottom, available in two shapes and used for washing nose.

Agate Mortar & Pestle

'J' Brand Agate Mortars & Pestles are made of Naturally occurring Agate Stone, which essentially is an Amorphous form of Silica. Aesthetically it is pleasing to the eye and due to its inherent physical characteristics it is very hard. The Hardness on the Moh's scale is 6.5.

'J' Brand Agate Mortars & Pestles are recommended for use in laboratories demanding contamination-free results. These Agate wares are available from laboratory supply dealers or directly from Silico & Chemico Porcelain Works. Other shapes are available on special order. Other information regarding Agate ware properties is available upon request.



Mortar

Catalog Number	Top Outer Dia (mm)	Top Inner Dia (mm)	Height (mm)
C-1	25	20	19
C-1.5	38	29	25
C-2	50	38	28
C-2.5	64	50	31
C-3	76	63	35
C-3.5	89	76	38
C-4	100	88	41
C-4.5	114	100	43
C-5	125	114	51
C-6	150	139	65

Pestle

Catalog Number	Length (mm)
P-1	25
P-1.5	38
P-2	50
P-2.5	64
P-3	76
P-3.5	89
P-4	100
P-4.5	114
P-5	125
P-6	150

Mortar (Deep Form)

Catalog Number	Top Outer Dia (mm)	Top Inner Dia (mm)	Height (mm)
CD-60	60	50	36
CD-70	70	55	42
CD-80	80	65	53
CD-90	90	70	56
CD-100	100	80	61
CD-110	110	90	65
CD-120	120	100	68
CD-130	130	110	72

Pestle

Catalog Number	Length (mm)
P-70	70
P-80	80
P-100	100
P-110	110
P-120	120
P-130	130
P-140	140
P-150	150



High Alumina Products

'J' Brand High Alumina wares is made of 99.7% pure aluminum oxide. Highly resistant to chemical attack, this alumina-ceramic ware is especially useful to chemists, metallurgists and other involved in high temperature work demanding contamination-free results.

High Alumina ware is highly refractory, meant for use in reducing and oxidizing atmospheres. It is inert in hydrogen and carbonaceous atmospheres and offers high resistance to alkalies and other fluxes. Suitable for glass melting, including borosilicate glass.

Recommended for use with refractory metals such as Molybdenum, Platinum, Rhodium, Tungsten, Tantalum and Iridium. High-Alumina Labware temperature change rate should not exceed 150 °C/hour.

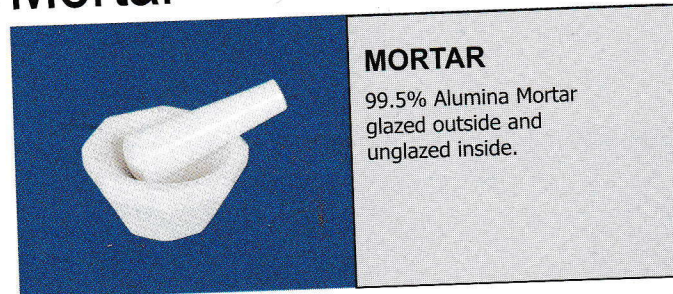
These High Alumina ware items are available from laboratory supply dealers or directly from Silico & Chemico Porcelain Works. Other shapes are available on special order. Other information regarding High Alumina ware properties is available upon request.

PROPERTIES OF HIGH ALUMINA PRODUCTS

PROPERTIES	VALUE/RESULTS
Density	3.922 gm/cc
Water Absorption	NIL
Color	Ivory
Flexural Strength (MOR)	493.4 MPa
Hardness (Moh's Scale)	+9
Hardness (Rockwell Scale)	84
Coefficient of Thermal Expansion (30°C-1000°C)	8.21 (1 x 10 ⁻⁶ /°C)
Maximum Use Temperature	1750°C
Chemical Resistance with Conc. H ₂ SO ₄ at 100°C (4 Hrs)	0.0008 %
Chemical Resistance with 10% NaOH at 100°C (4 Hrs)	0.0003 %
Chemical Resistance with H ₃ PO ₄ at 90°C (4Hrs)	0.002%
CHEMICAL ANALYSIS	
Al ₂ O ₃	99.71 %
SiO ₂	0.04 %
Fe ₂ O ₃	0.05 %
TiO ₂	Trace
CaO	0.05 %
MgO	0.06 %
Na ₂ O	0.05 %
K ₂ O	Trace
L.O.I.	0.02 %
TOTAL	99.98 %

Catalog Number	Capacity (ml)	Top OD (mm)	Top ID (mm)	Height (mm)
HAM-1.5	1.5	35	26	18
HAM-7	7	50	38	26
HAM-15	15	65	54	31
HAM-30	30	75	63	37
HAM-80	80	100	86	47

Mortar

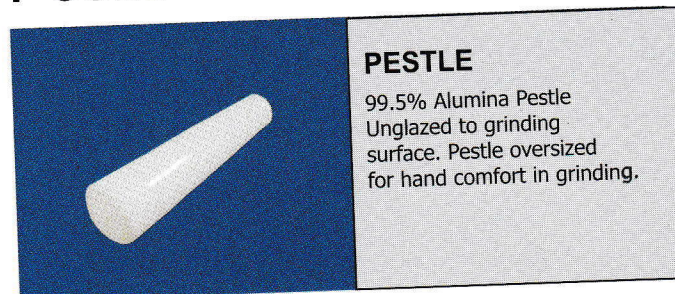


MORTAR

99.5% Alumina Mortar glazed outside and unglazed inside.

Catalog Number	Length (mm)	For Mortar (Cat #)
HAP-1.5	38	HAM-1.5
HAP-7	57	HAM-7
HAP-15	65	HAM-15
HAP-30	74	HAM-30
HAP-80	100	HAM-80

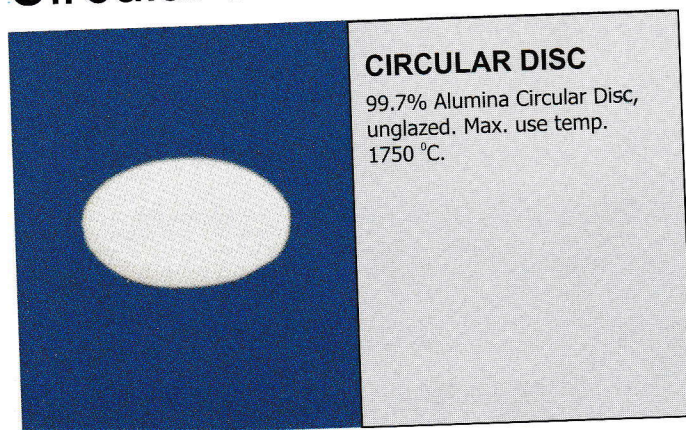
Pestle



PESTLE

99.5% Alumina Pestle Unglazed to grinding surface. Pestle oversized for hand comfort in grinding.

Circular Disc / Lid

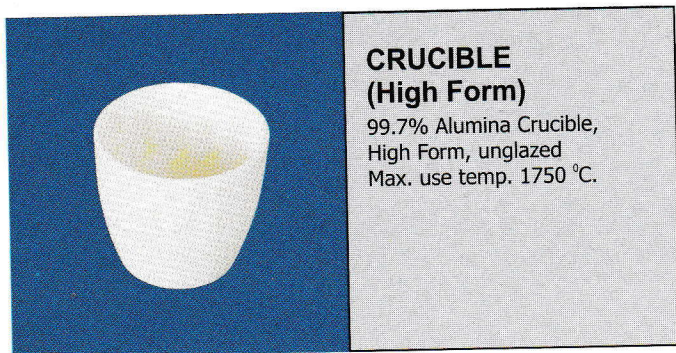


CIRCULAR DISC

99.7% Alumina Circular Disc, unglazed. Max. use temp. 1750 °C.

Catalog Number	Top Outside Diameter (mm)	Thickness (mm)
HACD-16	16	3
HACD-25	25	3
HACD-28	28	3
HACD-32	32	3
HACD-38	38	3
HACD-48	48	3
HACD-58	58	3
HACD-75	75	3
HACD-90	90	3
HACHF-100	100	3
HACHF-125	125	3
HACHF-150	150	3

Crucibles



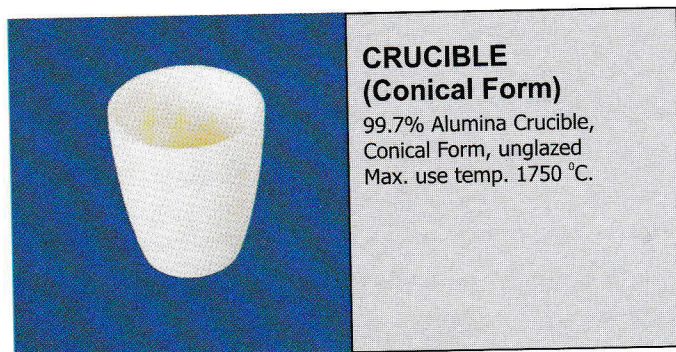
**CRUCIBLE
(High Form)**
99.7% Alumina Crucible,
High Form, unglazed
Max. use temp. 1750 °C.

Code	Capacity (ml)	Upper Diameter (mm)	Height (mm)
HACHF-5	5	23	28
HACHF-10	10	29	33
HACHF-20	20	40	35
HACHF-50	50	51	47
HACHF-100	100	60	62
HACHF-250	250	82	93
HACHF-500	500	96	116
HACHF-750	750	110	132
HACHF-1000	1000	126	148
HACHF-1500	1500	130	162
HACHF-2000	2000	160	170



**CRUCIBLE
(Cylindrical Form)**
99.7% Alumina Crucible,
Cylindrical Form, unglazed
Max. use temp. 1750 °C.

Code	Capacity (ml)	Outer Diameter (mm)	Height (mm)
HACC-0.2	0.2	10	6.5
HACC-1	1	17.5	12
HACC-3	3	17	23
HACC-5	5	17	48
HACC-5-A	5	28.5	15
HACC-10	10	28	29
HACC-15	15	28	42
HACC-15-A	15	31.5	36
HACC-20	20	31	40
HACC-20-A	20	28	53
HACC-30	30	35	47
HACC-40	40	40	44
HACC-50	50	42	58
HACC-60	60	54	39
HACC-60-A	60	42	74
HACC-80	80	47	66
HACC-80-A	80	40	92
HACC-100	100	52	68
HACC-150	150	54	91
HACC-170	170	57	86
HACC-225	225	64	80
HACC-250	250	80	70
HACC-450	450	84	107
HACC-900	900	83	210
HACC-1000	1000	100	172
HACC-1500	1500	105	194
HACC-2500	2500	127	235

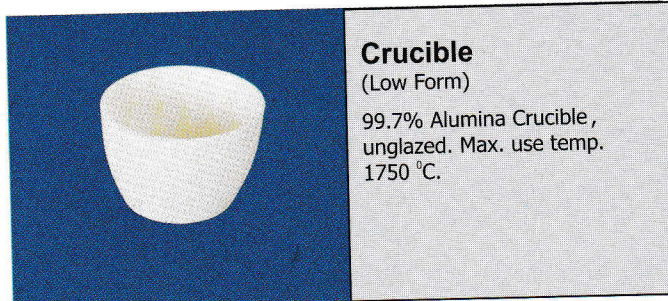


**CRUCIBLE
(Conical Form)**
99.7% Alumina Crucible,
Conical Form, unglazed
Max. use temp. 1750 °C.

Code	Capacity (ml)	Top Outside Diameter (mm)	Height (mm)
HACCO-2	2	18	18
HACCO-5	5	27	35
HACCO-7	7	27	35
HACCO-20	20	33	44
HACCO-30	30	48	45
HACCO-50	50	46	53
HACCO-100	100	64	86
HACCO-300	300	91	82
HACCO-450	450	90	128
HACCO-700	700	120	115

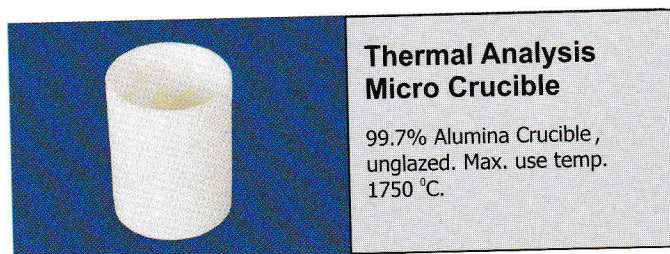
Crucible

Code	Capacity (ml)	Top Outside Diameter (mm)	Height (mm)
HACLF-25	25	43	37
HACLF-80	80	64	54
HACLF-175	175	90	53
HACLF-225	225	96	21



Micro Crucibles

Code	Top Outside Diameter (mm)	Height	Machine Make
HAMC-5	5	8	Perkin Elmer
HAMC-5A	5	5	Perkin Elmer
HAMC-6	6.2	4	Netzsch



Combustion Boat

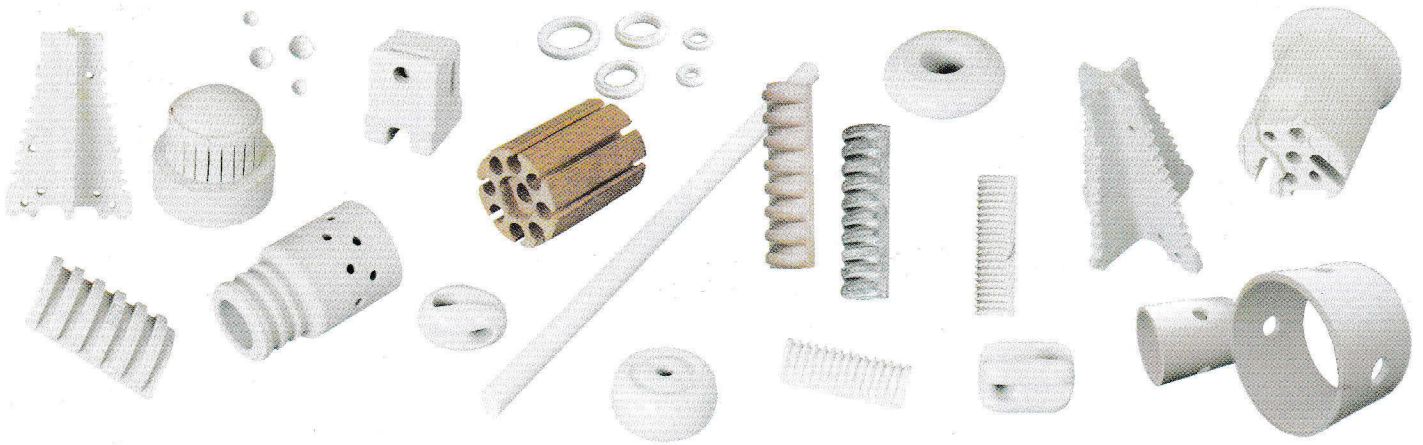
Code	Capacity(ml)	Length(mm)	Width(mm)	Height(mm)
HACBT-3	3	90	12	11
HACBT-7	7	86	15	13
HACBT-15	15	108	20	17
HACBT-30	30	119	30	19
HACBT-30A	30	84	26	26
HACBT-40	40	138	27	21
HACBT-750	750	250	89	39



Rectangular Tray

Code	Capacity (ml)	Length (mm)	Width (mm)	Height (mm)
HART-5	5	50	26	10
HART-10	10	50	25	19
HART-10A	10	96	25	10
HART-10B	10	50	50	15
HART-15	15	83	33	12
HART-25	25	95	25	20
HART-30	30	50	50	22
HART-100	100	104	50	32
HART-130	130	150	65	19
HART-140	140	92	52	42
HART-225	225	129	47	40
HART-340	340	205	93	25
HART-1000	1000	250	160	40
HART-2250	2250	250	250	50



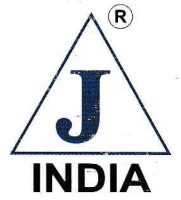


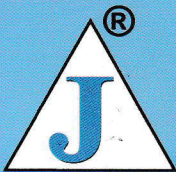
Industrial Wares

- CERAMIC INSULATORS
- CERAMIC HOLDERS
- INDUSTRIAL FILTERS
- PORCELAIN FILLERS
- PORCELAIN PIPES
- OTHER INDUSTRIAL ITEMS
- CUSTOMER'S SPECIFIED ARTICLES



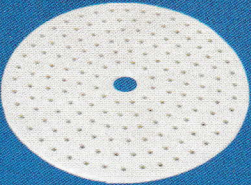





55
YEARS

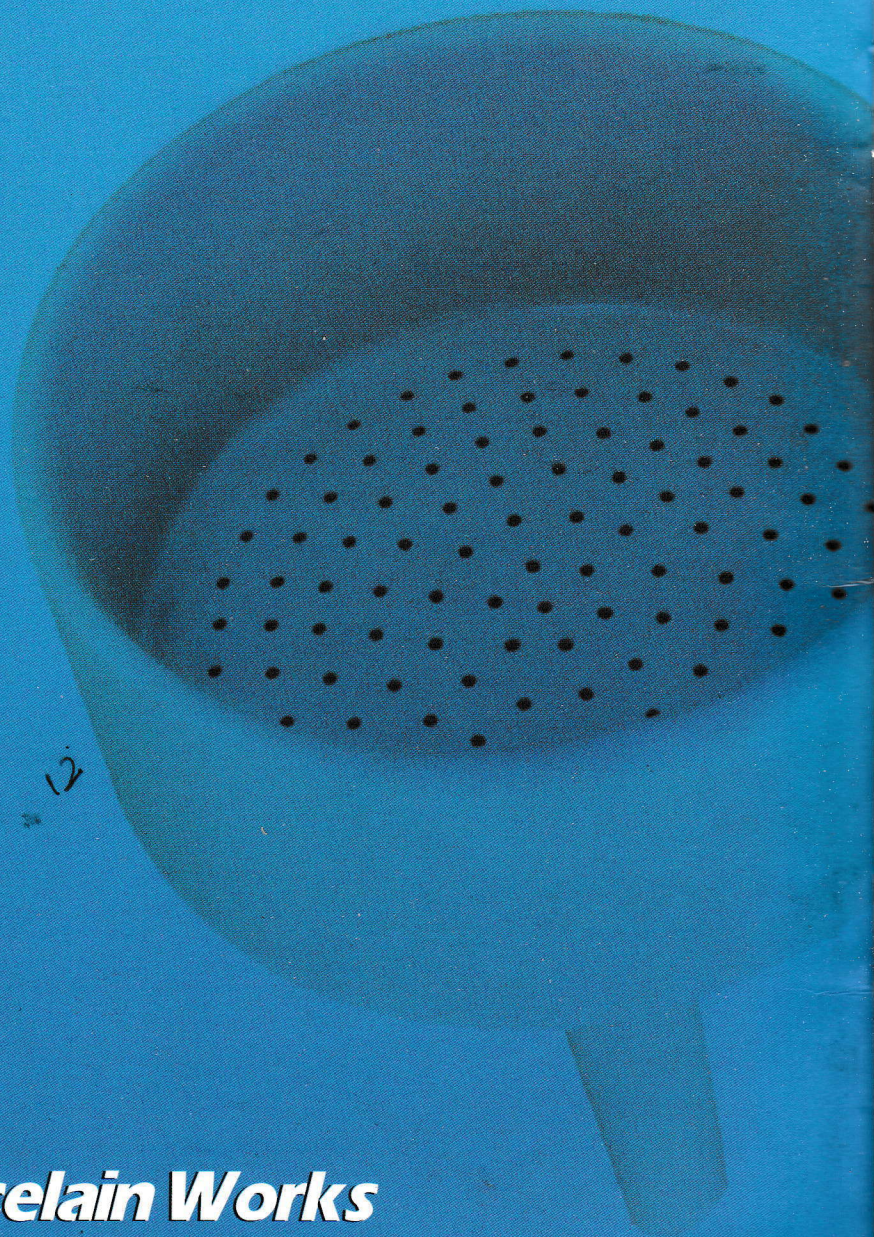
Experience
& Service
to Laboratory





**Porcelain, High Alumina & Agatewares
For Laboratories, Hospitals and
Industries**

	
Crucible with Lid	Casserole
	
Dessicator Plate	Combustion Boat
	
Buchner Funnel	Evaporating Dish
	
Mortar & Pestle	Porous Crucible



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