

SUPER A  
SCIENTIFIC

LAB GLASSWARE

[www.super-a-scientific.com](http://www.super-a-scientific.com)

[sales@super-a-scientific.com](mailto:sales@super-a-scientific.com)

## Table of Contents

<b>Alcohol Burner</b> .....	4
Replacement Wicks 000-104-WC .....	4
Alcohol Burner with Metal Cap 1831-1 .....	4
Alcohol Burner with Glass Cap 1381 .....	4
<b>Beaker</b> .....	4
<b>Bottle</b> .....	4
Barnes Bottle 207 .....	5
Weighing Bottle, Tall Style 1301 .....	5
Weighing Bottle, Flat Style 1302 .....	5
Reagent Bottle 1403 .....	5
Pipette Bottle 1451 .....	5
Pipette Bottle 1452 .....	5
Specific Gravity Bottle 1861 .....	5
<b>Burette</b> .....	6
Burette 205 .....	6
Burette Tip, Burette Tip Assembly .....	6
Burette with PTFE Stopcock 208 .....	6
Burette with Pinch tip .....	6
Automatic Burette .....	6
Burette with Glass Stopcock .....	6
Measuring Pipette 1630 .....	6
Volumetric Pipette 1633 .....	7
<b>Cylinder</b> .....	7
Measuring Cylinder, Double Scale 1601D .....	7
Measuring Cylinder, Single Scale 1601S .....	7
Two Parts Cylinder 1602 .....	7
<b>Dish</b> .....	7
Staining Dish with Cover .....	7
Watch Glass Dishes 1175 .....	8
Petri Culture Dish 1177, 1861 .....	8
<b>Flask</b> .....	8
Boiling Flask .....	8
Boiling Flask, Round Bottom 20404 .....	8
Boiling Flask, Flat Bottom 20405 .....	8
Erlenmeyer Flask 20401 .....	9
Filtering Flask 30834 .....	9
Volumetric Flask 1621 .....	10
<b>Funnel</b> .....	11
Funnel with Long Stem .....	11
Separating Funnels, Conical .....	11
<b>Jar and Desiccators</b> .....	12
Staining dish with Cover .....	12
Hydrometer Jars 804 .....	12
Desiccators 1351 .....	12
Vacuum Desiccators 1354 .....	12
Glass Bell Jar with Clear Knob 1371 .....	13
Glass Bell Jar with Ground-in-Glass Stopper 1373 .....	13
<b>Mortar with Pestle</b> .....	13
<b>Pipettes</b> .....	13
Dropping Pipettes 1601 .....	13
Measuring Pipettes 1630 .....	14
Volumetric Pipettes 1630B .....	14
<b>Tube</b> .....	14

# Lab Glassware

---

Gas Measuring Tube 701 .....	14	Pressure Syringe 1602.....	18
Borosilicate Glass Rod 905.....	15	Stir Rod 1900 .....	18
Test Tube with Rim 1232 .....	15	Funnel tube, Thistle tube 604, 2001 .....	18
Centrifuge tube, Graduated, with Rim 1242 .....	15	Venturi Tube 2201 .....	18
Fermentation Tube with Graduation and Glass foot .....	15	Steam Generator 2301 .....	18
Fermentation Tube without Graduation, with Glass Foot .....	15		
Glassware Accessories .....	15		
Air thermometer 102 .....	15		
Connection Tube W Shape 10301 .....	15		
Single-way Capillary Stopcock, Straight Bore .....	15		
Glass Connector 208 .....	16		
Condenser 302.....	16		
Condenser, Leibig 302 .....	16		
Condenser Adapter .....	16		
Cartesian Diver 305.....	16		
Cartesian Diver Unit 305-1.....	16		
Drying tubes 401.....	16		
Electrolysis Apparatus, Collecting tubes and Platinum Electrodes .....	16		
Electrolysis Apparatus 501-1 .....	16		
Eudiometer 503 .....	17		
Harbottle Apparatus 791 .....	17		
Hydraulic Press Demonstration 803 .....	17		
Inoculating Needles 902 .....	17		
Connection Tube T Shape 1224 .....	17		
Connection Tube Y Shape 1225 .....	17		
Connection Tube U Shape .....	17		
Dropper 1300-4A .....	17		
Dropper 1300-5A .....	18		
Osmosis Apparatus 1501-3 .....	18		
Osmosis Apparatus 1501-4.....	18		
Osmosis Apparatus 1501-6.....	18		
Dropper 1601.....	18		

## Alcohol Burner



### Replacement Wicks 000-104-WC

For glass alcohol lamps (above). Fits either size lamp. Pack of 10 wicks



### Alcohol Burner with Metal Cap 1831-1

Improved design glass lamps have secure screw-on top. All have metal snuffer cap for extinguishing flame and to prevent odor and evaporation when not in use. Individually boxed. 50/case. Alcohol not included.



### Alcohol Burner with Glass Cap 1381

Item #	Capacity (ml)	Height (mm)
1381-60G	60	60
1381-120G	120	120
1381-150P	150	118
1381-250P	250	130

## Beaker



### Beaker Griffin

with Graduation and Spout, ISO 3819, Borosilicate Glass, "Bomex" Brand

Items #	Capacity (ml)	O.D. (mm)	Height (mm)	Graduation Range (ml)	Graduation Div(ml)
20201-5	50	42	60	10-40	10
20201-100	100	50	70	20-80	10
20201-150	150	59	80	20-140	10
20201-200	200	66	90	25-175	25
20201-250	250	69	97	25-200	25
20201-400	400	80	110	50-320	25
20201-500	500	86	120	50-400	50
20201-600	600	90	125	100-500	50
20201-800	800	100	135	100-750	50
20201-1000	1000	107	145	100-900	50
20201-2000	2000	130	190	200-1800	100
20201-3000	3000	153	210	200-2800	100
20201-4000	4000	161	253	500-3500	500

## Bottle



### Barnes Bottle

**207**

Flint Glass.

Square, with rubber bulb and glass pipette.

Capacity 30 ml, 1 oz.



### Pipette Bottle

With ground pipette and with rubber nipple.

Item #	Capacity(ml)	Bottom Dia.(mm)	Height(mm)
<b>1451-30</b>	30	40	600
<b>1451-60</b>	60	46	630
<b>1451-125</b>	125	57	860

### Weighing Bottle, Tall Style

with grip stopper, DIN 12605

Item#	Capacity(ml)	O. D.(mm)	Height(mm)
<b>1301-3.5</b>	3.5	10	30
<b>1305-10</b>	10	25	40
<b>1301-20</b>	20	30	50
<b>1301-45</b>	45	35	70
<b>1301-70</b>	70	40	

### Weighing Bottle, Flat Style

with grip stopper, DIN 12605

Item#	Capacity(ml)	O. D.(mm)	Height(mm)
<b>1302-15</b>	15	35	30
<b>1305-30</b>	30	50	30
<b>1301-80</b>	80	80	30



### Reagent Bottle

Clear, wide neck with ground joint & glass stopper

Item#	Capacity	Bottle Dia.	Mouth Dia.	Height
	(ml)	(mm)	(mm)	(mm)
<b>1403-30</b>	30	40	25	72
<b>1403-60</b>	60	46	30	80
<b>1403-125</b>	125	57	38	108
<b>1403-250</b>	250	70	50	130
<b>1403-500</b>	500	85	58	165
<b>1403-1000</b>	1000	106	65	188
<b>1403-2500</b>	2500	145	90	260



### Pipette Bottle, Clear 1451, Amber 1452

with ground pipette and rubber nipper

Item#	Capacity(ml)	Bottle D.(mm)	Height(mm)
<b>1452-30</b>	30	40	75
<b>1452-60</b>	60	46	85
<b>1452-125</b>	125	57	110



### Specific Gravity Bottle

with ground pipette and rubber nipple

Item#	Capacity(ml)	O. D.(mm)	Height(mm)
<b>1861-10</b>	10	26	70
<b>1861-25</b>	25	36	85
<b>1861-50</b>	50	46	100
<b>1861-100</b>	100	54	110

## Burette

### Burette

**205-2** 25ML (graduated every 1ml with 0.1ml subdivisions)

**205-3** 50ml (graduated every 1ml with 0.1ml subdivisions)

**205-4** 100ml (graduated every 1ml with 0.1ml subdivisions)



### Burette Tip, Burette Tip Assembly

**205** Capillary glass tip with ground tip.

**205-1 Assembly** With glass burette tip, pinch clamp and 3" of latex tubing.

### Burettes

With straight bore, PTFE stopcock, print scales, borosilicate glass



Item #	Cap (ml)	Grad. (+/- ml)	Accuracy (ml)	Length (mm)
<b>208-6</b>	10	0.05	0.025	600
<b>208-3</b>	25	0.10	0.10	630
<b>208-4</b>	50	0.10	0.10	860
<b>208-5</b>	100	0.20	0.20	860

### Burettes

Straight bore, with pinch cock tip,. Print scales, borosilicate glass



Item #	Cap (ml)	Grad. (+/- ml)	Accuracy (ml)	Length (mm)
<b>208-11</b>	10	0.05	0.025	600
<b>208-12</b>	25	0.10	0.10	630
<b>208-13</b>	50	0.10	0.10	860
<b>208-14</b>	100	0.20	0.20	860

### Automatic Burette

Automatic burette with ground glass stopcock. Replacement Tube Only Numbered every 1ml with .1ml subdivisions

**208-24** automatic burette with stopcock, 10ml

**208-25** automatic burette with stopcock, 25ml

**204-28** automatic burette with stopcock, 50ml



### Burettes

Straight bore, with pinch cock tip,. Print scales, borosilicate glass



Item #	Cap (ml)	Grad. (+/- ml)	Accuracy (ml)	Length (mm)
<b>208-10</b>	10	0.05	0.025	600
<b>208</b>	25	0.10	0.10	630
<b>208-1</b>	50	0.10	0.10	860
<b>208-2</b>	100	0.20	0.20	860

### Measuring Pipettes

With line divisions, graduated with zero at the top class B ISO 835, ISO 1769



Item #	Cap (ml)	Grad. (+/- ml)	Accuracy (ml)	Length (mm)	Color
<b>1630-0.1</b>	0.1	0.001	0.004	350	2xgreen
<b>1630-0.2</b>	0.2	0.002	0.006	350	2xwhite
<b>1630-0.5</b>	0.5	0.01	0.008	350	2xyellow
<b>1630-1</b>	1.0	0.1	0.1	450	1xwhite
<b>1630-2</b>	2.0	0.02	0.25	355	1xblack
<b>1630-5</b>	5.0	0.02	0.25	355	1xblack
<b>1630-10</b>	10	0.1	0.1	355	1xorange
<b>1630-25</b>	25	0.1	0.2	450	1xwhite
<b>1630-50</b>	50	0.2	0.2	495	1xblack



## Volumetric Pipettes

class B ISO 648

Item #	Capacity (ml)	Accuracy (ml)	Length (mm)	Color
<b>1633-1</b>	1	0.01	270	1xblue
<b>1633-5</b>	5	0.02	430	1xwhite
<b>1633-10</b>	10	0.03	440	1xred
<b>1633-25</b>	25	0.05	520	1xwhite
<b>1633-50</b>	50	0.08	540	1xyellow
<b>1633-100</b>	100	0.12	585	1xyellow



## Measuring Cylinder , Single Scale

Single scale, round base, with spout , ISO 4788,

Item #	Capacity (ml)	Accuracy (+/- ml)	Graduation division (ml)
<b>1601S-10</b>	10	0.2	0.2
<b>1601S-25</b>	25	0.5	0.5
<b>1601S-50</b>	50	1	1
<b>1601S-100</b>	100	1	1
<b>1601S-250</b>	250	2	2
<b>1601S-500</b>	500	5	5
<b>1601S-1000</b>	1000	10	10
<b>1601S-2000</b>	2000	20	20

## Cylinder



## Measuring Cylinder , Double Scale

Double metric scale, ISO 4788, round base, with spout

Item #	Capacity (ml)	Accuracy (+/- ml)	Graduation division (ml)
<b>1601D-10</b>	10	0.2	0.2
<b>1601D-25</b>	25	0.5	0.5
<b>1601D-50</b>	50	1	1
<b>1601D-100</b>	100	1	1
<b>1601D-250</b>	250	2	2
<b>1601D-500</b>	500	5	5
<b>1601D-1000</b>	1000	10	10



## Two Parts Cylinder

Plastic base, with spout, single/double metric scale

Item #	Capacity (ml)	Accuracy (+/- ml)	Graduation division (ml)
<b>1602-10</b>	10	0.2	0.2
<b>1602-25</b>	25	0.5	0.5
<b>1602-50</b>	50	1	1
<b>1602-100</b>	100	1	1
<b>1602-250</b>	250	2	2
<b>1602-500</b>	500	5	5
<b>1602-1000</b>	1000	10	10

## Dish



## Staining Dish W/Cover for 20S

**200-003, - 004, -005, -006**

High-quality dishes for easy staining! These staining dishes hold standard 1" x 3" microscope slides. The jars are made from thick annealed glass with slots molded into the glass. Each slot is designed to hold two slides back to back.

## Watch Glass Dishes

with Fused edges

Item #	Outside Dia. (mm)
1175-45	45
1175-60	60
1175-70	70
1175-80	80
1175-90	90
1175-100	100
1175-120	120
1175-150	150
1175-180	180



## Petri Culture Dish

Item #	Cover Dia. mm	Dish Dia. mm	Height mm
1177-60	65	60	15
1177-75	82	75	15
1861-90	98	90	18
1861-100	107	100	20
1861-120	130	120	25
1861-150	160	150	30



## Petri Culture Dish 1500-1



## Flask

### Boiling Flask



**20404**



**20405**

### Boiling Flask, Round Bottom 20404, Flat bottom 20405

Narrow Neck, with Beaded Rim, ISO 1773, Borosilicate Glass, "Bomex" Brand

Item #	Capacity (ml)	Neck O.D. (mm)	Flask O.D. (mm)	Height (mm)
20404-50	50	22	51	100
20404-100	100	22	64	110
20404-250	250	34	85	140
20404-500	500	34	105	170
20404-1000	1000	42	131	200
20404-2000	2000	50	166	250



## Erlenmeyer Flask



**Erlenmeyer Flasks, Narrow Mouth,  
with Graduation**  
Borosilicate Glass, "Bomex" Brand

Item #	Capacity (ml)	Neck O.D. (mm)	Max. Flask O.D. (mm)	Height (mm)
20401-25	25	22	42	70
20401-50	50	26	54	80
20401-100	100	32	66	106
20401-125	125	32	70	115
20401-150	150	32	75	124
20401-200	200	34	79	138
20401-250	250	34	85	140
20401-300	300	34	90	162
20401-500	500	38	103	184
20401-1000	1000	45	131	214
20401-2000	2000	50	166	280

## Filtering Flask



**Filtering Flask**  
With Glass Hose Connection, ISO 6556  
Borosilicate Glass

Item #	Capacity (ml)	Neck I.D. (mm)	Max. O.D. (mm)	Height (mm)
30834-100	100	24	65	100
30834-250	250	34	85	155
30834-500	500	34	105	185
30834-1000	1000	45	135	230

## Volumetric Flask



**Flask, Volumetric**  
With Fitted Grounded Glass Stopper  
Grade B, ISO1042-80 " Bomex" Brand



**Flask, Volumetric**  
Borosilicate Glass, with one  
graduation mark and plastic  
stopper ISO 1042, Class B,  
" Bomex " Brand

Item #	Capacity (ml)	Accuracy (+/-ml)	Ground mouth (mm)	Height (mm)
1621G-25	25	0.03	10/13	110
1621G-50	50	0.05	10/13	145
1621G-100	100	0.10	12/14	170
1621G-250	250	0.15	14/15	220
1621G-500	500	0.25	16/16	260
1621G-1000	1000	0.4	19/17	310
1621G-2000	2000	0.6	24/20	370

Item #	Capacity (ml)	Accuracy (+/-ml)	Stopper Dia. (mm)
1621P-25	25	0.06	10/19
1621P-50	50	0.1	12/21
1621P-100	100	0.2	12/21
1621P-250	250	0.3	14/23
1621P-500	500	0.5	19/26
1621P-1000	1000	0.8	24/29
1621P-2000	2000	1.2	29/32

## Funnel



31009G



31009

### Separating Funnels Conical

With Standardized hollow key and key retaining device with plastic stopper (**31009**), glass stopper (**31009G**)

ISO 4800 Borosilicate Glass,

" Bomex " Brand

Item #	Capacity (ml)	Stem Length (mm)	Outer Dia. (mm)	Socket (mm)
<b>31009-50</b>	50	60	9	19/26
<b>31009-100</b>	100	60	9	19/26
<b>31009-250</b>	250	60	9	29/32
<b>31009-500</b>	500	60	10	29/32
<b>31009-1000</b>	1000	60	10	29/32

### Funnel with Long Stem

Item #	Top Outside Dia. (mm)	Stem Length (mm)	Stem Outside Dia. (mm)
<b>1503-50</b>	50	150	7
<b>1503-75</b>	75	150	9
<b>1503-90</b>	90	150	11

### Funnel with Short Stem

Item #	Top Outside Dia. (mm)	Stem Length (mm)	Stem Outside Dia. (mm)
<b>1504-40</b>	40	50	7
<b>1504-50</b>	50	50	7
<b>1504-60</b>	60	60	8
<b>1504-75</b>	75	75	9
<b>1504-90</b>	90	90	11
<b>1504-100</b>	100	100	12
<b>1504-120</b>	120	120	12

## Jar and Desiccators



### Staining Dish W/Cover for 20S

**200-003, - 004, -005, -006**

High-quality dishes for easy staining! These staining dishes hold standard 1" x 3" microscope slides. The jars are made from thick annealed glass with slots molded into the glass. Each slot is designed to hold two slides back to back.



### Hydrometer Jars

**804-4, 804-5**

38X254MM

The hydrometer jars are made from a heat-resistant borosilicate glass with a rolled upper edge and a wide support foot. Perfect for use with our heavy and light liquid hydrometers.

### Desiccators

**1351**

Clear, with porcelain plate Glass Desiccators Great drying abilities for jobs a plastic desiccators can't do! A desiccators allows you to store equipment in a low-humidity atmosphere. These heavy glass desiccators are made from quality annealed glass for durability. Each includes a glazed porcelain sample plate with a 5mm center hole that is held over the desiccant. For an airtight seal apply grease to the internal edges of the flange, press the lid on and rotate at least 360 degrees. Also, remember to slide a desiccators lid and not lift it when removing.



Item #	Size (mm)	Max. I.D. (mm)	Plate Height (mm)	Total height (mm)
<b>1351-100</b>	100	100	60	165
<b>1351-150</b>	150	150	90	220
<b>1351-180</b>	180	180	100	280
<b>1351-210</b>	210	210	110	320
<b>1351-240</b>	240	240	120	360
<b>1351-300</b>	300	300	140	450

### Vacuum Desiccators

With ground stopcock clear, with porcelain plate.

Item #	Size (mm)	Max. I.D. (mm)	Plate Height (mm)	Total Height (mm)
<b>1354-150</b>	150	150	90	220
<b>1354-180</b>	180	180	100	280
<b>1354-210</b>	210	210	110	320
<b>1354-240</b>	240	240	120	360
<b>1354-300</b>	300	300	140	450



**Glass Jar with Clear Knob Top  
1371**



**Glass Bell Jar with Glass Stopper  
1373**

Heavy duty glass bell jars are ideal for studying the properties of matter under a vacuum or for isolating experiments from outside interference. The wall thickness is approximate. 6mm. The domes measurements are taken from the inside.

Item #	I. D. (mm)	Height (mm)
<b>1371-120</b>	120	180
<b>1371-150</b>	150	200
<b>1371-180</b>	180	250
<b>1371-200</b>	200	300
<b>1371-250</b>	250	400

## Mortar with Pestle



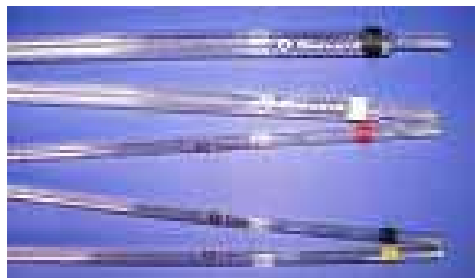
Items #	Capacity (ml)	I.D. (mm)	Height (mm)
<b>1383-60</b>	35	60	40
<b>1383-75</b>	50	75	40
<b>1383-90</b>	80	90	50
<b>1383-120</b>	250	120	60
<b>1383-150</b>	600	150	85
<b>1383-180</b>	1000	180	

## Pipettes



### Dropping Pipettes

- 1601-4** Length 4", with 5 ml bulb 1 dz/pk
- 1601-5** Length 6", with 5 ml bulb.1 dz/pk
- 1601-6** Length 8", with 5 ml bulb 1 dz/pk
- 1601-7** Length 10", with 5 ml bulb.1 dz/pk
- 1601-8** Length 12", with 5 ml bulb.1 dz/pk



## Measuring Pipettes

With line divisions, graduated with zero at the top Class B, ISO 835 ISO

1769

Item #	Capacity (ml)	Grad. div. (ml)	Accuracy (+/-ml )	Length (mm)	Color Code
1630-0.1	0.1	0.001	0.004	350	2xgreen
1630-0.2	0.2	0.002	0.006	350	2xwhite
1630-0.5	0.5	0.01	0.008	350	2xyellow
1630-1	1	0.10	0.100	450	1xwhite
1630-2	2	0.02	0.025	355	1xblack
1630-5	5	0.05	0.025	355	1xblack
1630-10	10	0.10	0.100	355	1xorange
1630-25	25	0.20	0.200	450	1xwhite
1630-50	50	0.20	0.200	495	1xblack



## Volumetric Pipettes, Class B, ISO 648

Item #	Capacity (ml)	Accuracy (+/-ml )	Length (mm)	Color Code
<b>1630B-1</b>	1	0.01	270	1 x blue
1630B-5	5	0.02	430	1 x white
<b>1630B-10</b>	10	0.03	440	1 x red
<b>1630B-25</b>	25	0.05	520	1 x white
<b>1630B-50</b>	50	0.08	540	1 x red
<b>1630B-100</b>	100	0.12	585	1 x yellow

## Tube



### Gas Measuring Tube

This flint glass tube measures the volume of gas generated and absorbed by substances undergoing chemical action. The top is closed and the tube is graduated from the top downward.

**701-1** Gas Measuring Tube, 50 ml

**701-2** Gas Measuring Tube, 100 ml



## Borosilicate Glass Rod

**905-1** 5mm dia. to 25mm Dia. 1200 mm  
**905-2** 4mm Dia. to 120mm Dia. 1500 mm

## Test Tube with Rim



Item #	O. D. (mm)	Length (mm)
<b>1232-10/75</b>	10	75
<b>1232-12/75</b>	12	75
<b>1232-13/100</b>	13	100
<b>1232-16/150</b>	16	150
<b>1232-18/150</b>	18	150
<b>1232-20/150</b>	20	150
<b>1232-25/150</b>	25	150
<b>1232-25/200</b>	25	200



## Centrifugal Tube, Graduated with Rim

Item #	Cap. (ml)	O.D. (mm)	Length (mm)	Grad. Div. (ml)
<b>1242-10</b>	10	17	108	0.10
<b>1242-15</b>	15	17	120	0.10



## Fermentation Tube

with graduation, glass foot

Item #	Capacity (ml)	Vertical Tube (mm)	Height (mm)
<b>80618-01-5</b>	5	11	142
<b>80618-01-10</b>	10	13	160
<b>80618-01-25</b>	25	18	220

## Fermentation Tube

without graduation, with glass foot

Item #	Capacity (ml)	Vertical Tube (mm)	Height (mm)
<b>80618-02-5</b>	5	11	142
<b>80618-02-10</b>	10	13	160
<b>80618-02-25</b>	25	18	220

## Glassware Accessories



### Air Thermometer

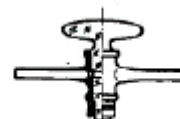
**102**

This 2" bulb is used as an accessory in many heat experiments when studying the expansion of liquids and gases.



### Connection Tube W Shape

**10301** Tube OD 8mm, length 74mm, side tube 42mm



### Single-way Capillary Stopcock, Straight Bore

with screw thread retaining device

(polypropylene)

with standardized hollow key and plastic grip (polypropylene )

**10303-2** nominal 2mm, bore dia. 1.6mm, tube O.D. 8mm, I.D. 2.2mm, length 180mm

**10303-3** nominal 3mm, bore dia. 2.5, tube O.D. 9mm, I.D. 3mm, length 220mm



## Glass Connector

### 208-2x2

Bend with arm 2 1/2x2 1/2 X 8MM  
Bend 2x2, (for Automatic Burettes)



## Condenser

**302-0** Condenser, inner tube supported with rubber connection 250mm

**302-1** Condenser, inner tube supported with rubber connection 300mm

**302-2** Condenser, inner tube supported with rubber connection 400mm

**302-3** Condenser, inner tube supported with rubber connection 500mm



## Condenser, Leibig

**302-8** Condenser, Leibig, Borosilicate 100mm

**302-9** Condenser, Leibig, Borosilicate 200mm

**302-10** Condenser, Leibig, Borosilicate 300mm

**302-11** Condenser, Leibig, Borosilicate 400mm

**302-12** Condenser, Leibig, Borosilicate 500mm



## Condenser Adapter

**302-20** Condenser Adapter, Bent

**302-21** Condenser Adapter, Straight



## Cartesian Diver

### 305

An all glass constructed Cartesian Diver with a red band to make the diver more visible.



## Cartesian Diver Unit

### 305-1

Supplied with a Diver and Hydrometer Jar. A diver is placed in a cylinder of water. Pressure on the cap forces water into the diver causing it to sink.



## Drying Tubes (Flint Glass)

**401-1** Straight, with one bulb. . .100 mm

**401-2** Straight, with one bulb. . .150 mm

**401-3** Straight, with one bulb. . .200 mm

**402-1** "U" ... 100mm

**402-2** "U"...150mm

**402-3** "U"...200mm

**403-1** "U" with side arm...100mm

**403-2** "U" with side arm...150mm

**403-3** "U" with side arm...200mm



## Electrolysis Apparatus, Collecting Tubes and Platinum Electrodes

### 501

This Hoffman form electrolysis apparatus is designed for student experiments in electrolysis for precise quantitative measurements. This durable, easy-to-use kit features two telescoping gas collecting tubes graduated to 10mL. Plus, high quality platinum electrodes.





## Electrolysis Apparatus

**501-1**

Ungraduated tubes  
Collecting Tubes & Platinum Electrodes - An inexpensive yet functional electrolysis apparatus! The two 12-5/8" arms of the U-tube are un-graduated and open at the top. Rubber tubes and pinch clamp are used at the open ends to retain the gases. Electrolysis Apparatus, with Un-graduated Tubes.



## Inoculating Needles

**902-1** Glass handle and Nichrome needle, 24 gauge x 7.5 cm long.

**902-5** Glass handle, Platinum needle is 28 gauge x 5 cm long.

**902-6** Glass handle, Platinum needle is 28 gauge x 4 cm long.

**902-7** Glass handle, Platinum needle with loop 28 gauge x 5 cm long.



## Eudiometer

**503-1** 50 ml, Subdivisions at 0.1 ml

**503-2** 100 ml, Subdivisions at 0.2 ml



## Connection Tube T Shape

Item #	Tube O.D. (mm)	Max. Length(hmm)	Side Tube Length(mm)
<b>1224-6</b>	6	90	45
<b>1224-8</b>	8	100	50
<b>1224-9.5</b>	9.5	120	60
<b>1224-12</b>	12	150	75

## Harbottle Apparatus

**791**

The Harbottle helps students understand the meaning of fluid pressure and pressure reduction. A Harbottle is a round, glass, container with a balloon stretched over its opening and a hole in the flattened base that is fitted with a rubber stopper. Students are amazed when the balloon remains inflated inside the bottle even though it is not tied off or sealed.



## Connection Tube Y Shape

Item #	Tube O.D. (mm)	Max. Length(hmm)	Side Tube Length(mm)
<b>1225-6</b>	6	90	45
<b>1225-8</b>	8	100	50
<b>1225-9.5</b>	9.5	120	60
<b>1225-12</b>	12	150	75



## Hydraulic Press Demonstration

**803**

The transmission and multiplication of forces through a hydraulic system can be observed in this glass model.

The force piston has a handle and a concave top for holding weights.



## Connection Tube U Shape

Item #	Tube O.D. (mm)	Max. Length(hmm)	Side Tube Length(mm)
<b>1226-6</b>	6	90	45
<b>1226-9.5</b>	9.5	120	60



## Dropper

**1300-4A**

Medicine, Straight, Glass, 3", Live elating, latex-free nipple, high luster selected glass.



## Dropper

Quality black rubber bulb on glass tube, available with straight or curved tip. In two sizes. Boxed per dozen, 100doz/case.

**1300-5A** Straight

**1300-5B** Curved



## Osmosis Apparatus

**1501-3** Single Thistle Tube with Membrane



## Osmosis Apparatus

**1501-4** Double Thistle Tube with Membrane



## Osmosis Apparatus

**1501-6** Bladder Form with Glass Tube

A glass tube 45cm long with a membrane is attached to one end. When the membrane is filled with sugar solution and immersed in water, the liquid in the tube will rise, showing osmotic pressure in a clear demonstration. Instructions included

Instructions included



**1601-4** Length 4", with 5ml bulb, 1dz/pk

**1601-5** Length 6", with 5ml bulb, 1dz/pk

**1601-6** Length 8", with 5ml bulb, 1dz/pk

**1601-7** Length 10", with 5ml bulb, 1dz/pk

**1601-8** Length 12", with 5ml bulb, 1dz/pk

## Pressures Syringe

**1602**

Demonstrates that pressure is transmitted uniformly in all directions. Unit consists of 2" diameter glass bulb and plunger. The bulb has a series of holes in a plane. When pressure is applied to the plunger water is expelled at an equal distance in all directions. Instructions included.



## Stir Rod

Flint Glass with Polished Ends

**1900-6-GR** 6" 1500mm L. x 5mm OD

**1900-8-GR** 8" 200mm L. x 5mm OD

**1900-10-GR** 10" 255mm L. x 5mm OD

**1900-12-GR** 12" 305mm L. x 5mm OD

**1900-6-DZ** 6" 150mm L. x 5mm OD

**1900-8-DZ** 8" 200mm L. x 5mm OD

**1900-10-DZ** 10" 255mm L. x 5mm OD

**1900-12-DZ** 12" 305mm L. x 5mm OD



## Funnel Tube, Thistle Tube

Flint Glass

**604-2** Funnel Tube, semi-micro, 6"x4mm stem

**2001-1** Thistle Tube, 7mm x 300mm stem

**2001-2** Thistle Tube, 7mm x 400mm stem

**2001-3** Thistle Tube, 7mm x 150mm stem



## Venturi Tube

**2201**

A glass tube 7" long and 3/4" in diameter with a constriction at the center, and three vertical tubes. When manometers are attached to the three openings the lower pressure at the constriction becomes evident. A verification of Bernoulli's principle.



## Steam Generator

**2301**

Designed for use with a steam generator or boiler to trap condensed steam. The unit is made of Pyrex glass and is 15.5 cm long