

# Catalog 200



 **DIMA GLASS**  
When Miracles Happen

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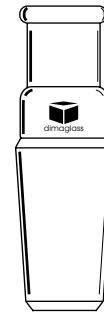
dimaglass

# ADAPTERS CONNECTING

## Adapter, Connecting, Reducing

For connecting dissimilar standard taper joint sizes. Bottom inner joint is larger in size than the top outer joint.

Cat. No.	Top Outer Joint	Bottom Inner Joint	Price
1001-1014	10/30	14/20	20.07
1001-1019	10/30	19/22	24.79
1001-1024	10/30	24/40	24.90
1001-1029	10/30	29/42	26.33
1001-1419	14/20	19/22	20.62
1001-1424	14/20	24/40	23.58
1001-1426	14/20	19/26	22.52
1001-1429	14/20	24/29	24.13
1001-1442	14/20	29/42	24.13
1001-1924	19/22	24/40	24.79
1001-1929	19/26	24/29	26.06
1001-2429	24/40	29/42	28.19
1001-2434	24/40	34/45	31.59
1001-2445	24/40	45/50	44.21
1001-2455	24/40	55/50	57.81
1001-2945	29/42	45/50	49.25

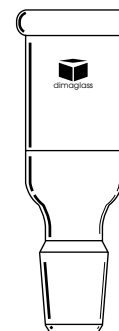


1001

## Adapter, Connecting, Enlarging

For connecting dissimilar standard taper joint sizes. Bottom inner joint is smaller in size than the top outer joint.

Cat. No.	Top Outer Joint	Bottom Inner Joint	Price
1003-1914	19/22	14/20	23.04
1003-1915	19/26	14/20	24.85
1003-1924	19/38	24/40	29.40
1003-2410	24/40	10/30	24.02
1003-2414	24/40	14/20	24.46
1003-2415	24/29	14/20	26.02
1003-2416	24/29	19/26	26.63
1003-2419	24/40	19/22	24.90
1003-2914	29/42	14/20	27.00
1003-2924	29/42	24/40	29.40
1003-3424	34/45	24/40	33.68
1003-4524	45/50	24/40	57.04
1003-4529	45/50	29/42	58.14



1003

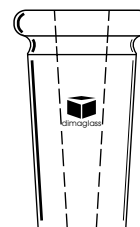
# ADAPTERS

## CONNECTING

### Adapter, Bushing

With a bottom standard taper inner joint and top outer joint ground in the bore of the adapter. 10/18 or 10/30 top outer joint in the bore are used to insert thermometers into apparatus.

Cat. No.	Top Outer Joint	Bottom Inner Joint	Price
1007-1419	14/20	19/22	23.09
1007-1424	14/20	24/40	25.50
1007-1814	10/18	14/20	21.50
1007-1924	19/38	24/40	25.56
1007-3014	10/30	14/20	21.50
1007-3015	10/30	14/35	22.30
1007-3019	10/30	19/38	26.22
1007-3024	10/30	24/40	29.18
1007-3519	14/35	19/38	24.79
1007-3524	14/35	24/40	27.42
1007-2429	24/40	29/42	29.62
1007-2434	24/40	34/45	30.89

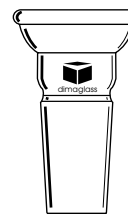


1007

### Adapter, Connecting, Combination

With top spherical socket joint and bottom inner joint.

Cat. No.	Top Outer Joint	Bottom Inner Joint	Price
1009-3514	35/20	14/20	28.40
1009-3519	35/20	19/22	29.36
1009-3524	35/20	24/40	32.39
1009-3529	35/20	29/42	35.11



1009

### Adapter, Connecting, Combination

With top outer joint and bottom spherical ball joint.

Cat. No.	Top Outer Joint	Bottom Ball Joint	Price
1011-1435	14/20	35/20	28.40
1011-1935	19/22	35/20	29.36
1011-2435	24/40	35/20	31.21
1011-2942	29/42	35/20	35.11



1011

# ADAPTERS CONNECTING

## Adapter, Connecting, Straight

For expanding the length of apparatus. With standard taper top outer and bottom inner joint.

Cat. No.	Joint Size	Length Between Joint (mm)	Price
1013-1030	14/20	30	19.58
1013-1090	14/20	90	21.09
1013-4030	24/40	30	26.15
1013-4070	24/40	70	26.79
1013-4120	24/40	120	30.02
1013-4175	24/40	175	31.21
1013-5120	29/42	120	32.28
1013-9030	19/22	30	26.15
1013-9055	19/22	55	27.44
1013-9090	19/22	90	28.40



1013

## Adapter, Connecting, Straight

With standard taper outer joints at both ends.

Cat. No.	Joint Size	Length Between Joint (mm)	Price
1015-1030	14/20	30	27.06
1015-1090	14/20	90	28.03
1015-4030	24/40	30	35.51
1015-4070	24/40	70	35.51
1015-4120	24/40	120	35.51
1015-4175	24/40	175	35.51
1015-9030	19/22	30	30.67
1015-9090	19/22	90	33.14



1015

## Adapter, Connecting, Straight

With standard taper inner joints at both ends.

Cat. No.	Joint Size	Length Between Joint (mm)	Price
1017-1030	14/20	30	26.11
1017-1090	14/20	90	27.06
1017-4030	24/40	30	34.43
1017-4070	24/40	70	34.43
1017-4120	24/40	120	34.43
1017-4175	24/40	175	35.70
1017-9030	19/22	30	29.71
1017-9090	19/22	90	30.67



1017

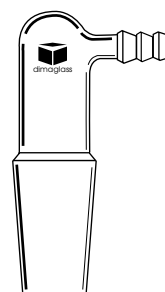
# ADAPTERS

## INLET

### Adapter, Inlet, Inner Joint, 90°

Used to connect a hose to apparatus for introduction of vacuum or pressure. Hose connection has an O.D. of 10mm at serration and is bent downward at a 90° angle to the inner joint.

Cat. No.	Joint Size	Hose O.D. (mm)	Price
1101-1420	14/20	10	16.13
1101-1922	19/22	10	16.78
1101-2440	24/40	10	17.44
1101-2942	29/42	10	17.88
1101-4550	45/50	10	31.48

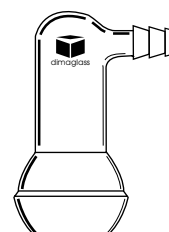


1101

### Adapter, Inlet, Ball Joint, 90°

With ball joint and hose connection.

Cat. No.	Ball Joint Size	Hose O.D. (mm)	Price
1103-3520	35/20	10	23.12



1103

### Adapter, Inlet, Inner Joint

With standard taper inner joint and hose connection.

Cat. No.	Joint Size	Hose O.D. (mm)	Price
1105-1420	14/20	10	15.36
1105-1922	19/22	10	16.13
1105-2440	24/40	10	17.11
1105-2942	29/42	10	18.65



1105

### Adapter, Inlet, with Fritted Disc

With standard taper inner joint and hose connection, and coarse fritted disc.

Cat. No.	Joint Size	Hose O.D. (mm)	Price
1107-1420	14/20	10	28.63
1107-1922	19/22	10	29.52
1107-2440	24/40	10	28.63
1107-2942	29/42	10	29.41



1107

### Adapter, Inlet, Outer Joint

With standard taper outer joint and hose connection.

Cat. No.	Joint Size	Hose O.D. (mm)	Price
1109-1420	14/20	10	19.53
1109-1922	19/22	10	19.86
1109-2429	24/29	10	20.18
1109-2440	24/40	10	20.18
1109-2942	29/42	10	20.84

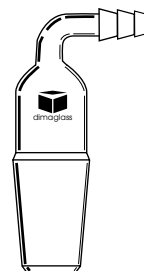


1109

### Adapter, Inlet, Inner Joint, 90°

With standard taper inner joint and hose connection.

Cat. No.	Joint Size	Hose O.D. (mm)	Price
1111-1420	14/20	10	20.25
1111-1922	19/22	10	20.57
1111-2440	24/40	10	21.21
1111-2926	29/26	10	22.17
1111-2942	29/42	10	22.17



1111

### Adapter, Inlet, Outer Joint, 90°

With standard taper outer joint and hose connection.

Cat. No.	Joint Size	Hose O.D. (mm)	Price
1113-1420	14/20	10	22.17
1113-1922	19/22	10	22.65
1113-2440	24/40	10	23.12
1113-2942	29/42	10	24.08

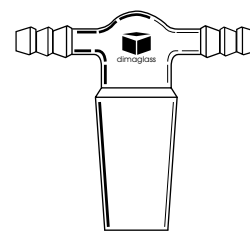


1113

### Adapter, Inlet, Inner Joint

Adapter has two hose connections 180° from one another to allow a flow of inert gas go over the apparatus. Hose connection has an O.D. of 10mm at serration.

Cat. No.	Joint Size	Hose O.D. (mm)	Price
1115-1420	14/20	10	19.20
1115-1922	19/22	10	20.73
1115-2440	24/40	10	22.05
1115-2942	29/42	10	23.91



1115

### Adapter, Inlet, Inner Joint

With standard taper inner joint and hose connection.

Cat. No.	Joint Size	Hose O.D. (mm)	Price
1117-1420	14/20	10	31.86
1117-1922	19/22	10	32.82
1117-2440	24/40	10	33.30
1117-2942	29/42	10	34.74



1117

# ADAPTERS

## FLOW CONTROL

### Adapter, Flow Control, Glass Stopcock

Used to adjust the flow of gases or liquids into reaction systems. Stopcock has a bore of 2mm. Hose connection has an O.D. of 10mm at the serration.

Cat. No.	Joint Size	Stopcock Bore (mm)	Hose O.D. (mm)	Price
1201-1420	14/20	2	10	39.60
1201-1922	19/22	2	10	40.68
1201-2440	24/40	2	10	46.92
1201-2942	29/42	2	10	49.07



1201

### Adapter, Flow Control, Teflon Stopcock

With standard taper inner joint and hose connection.

Cat. No.	Joint Size	Stopcock Bore (mm)	Hose O.D. (mm)	Price
1203-1420	14/20	2	10	49.28
1203-1922	19/22	2	10	50.36
1203-2440	24/40	2	10	54.45
1203-2942	29/42	2	10	56.60



1203

### Adapter, Flow Control, Glass Stopcock, 90°

With standard taper inner joint and hose connection.

If need hooks on the item, please call for quote.

Cat. No.	Joint Size	Stopcock Bore (mm)	Hose O.D. (mm)	Price
1205-1420	14/20	2	10	41.97
1205-1922	19/22	2	10	43.15
1205-2440	24/40	2	10	45.73
1205-2942	29/42	2	10	48.96

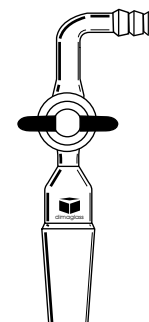


1205

### Adapter, Flow Control, Teflon Stopcock, 90°

With standard taper inner joint and hose connection.

Cat. No.	Joint Size	Stopcock Bore (mm)	Hose O.D. (mm)	Price
1207-1420	14/20	2	10	51.65
1207-1922	19/22	2	10	52.73
1207-2440	24/40	2	10	57.03
1207-2942	29/42	2	10	58.65
1207-2926	29/26	2	10	58.65



1207



# ADAPTERS

## FLOW CONTROL

### Adapter, Flow Control, Glass Stopcock, 90°

With standard taper outer joint and hose connection.

Cat. No.	Joint Size	Stopcock Bore (mm)	Hose O.D. (mm)	Price
1209-1420	14/20	2	10	49.12
1209-1922	19/22	2	10	50.08
1209-2440	24/40	2	10	51.04
1209-2942	29/42	2	10	52.00



1209

### Adapter, Flow Control, Teflon Stopcock, 90°

With standard taper outer joint and hose connection.

Cat. No.	Joint Size	Stopcock Bore (mm)	Hose O.D. (mm)	Price
1211-1420	14/20	2	10	54.88
1211-1922	19/22	2	10	56.80
1211-2440	24/40	2	10	60.80
1211-2942	29/42	2	10	62.95

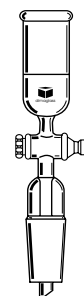


1211

### Adapter, Flow Control, Teflon Stopcock

Adapter has a bore of 2mm Teflon stopcock between top outer and bottom inner joints to adjust flow of fluids between apparatus.

Cat. No.	Joint Size	Stopcock Bore (mm)	Price
1213-1420	14/20	2	93.82
1213-1922	19/22	2	94.30
1213-2440	24/40	2	94.78
1213-2942	29/42	2	95.74



1213

### Adapter, Flow Control, Glass Stopcock

Adapter has a bore of 2mm glass stopcock between top outer and bottom inner joints to adjust flow of fluids between apparatus.

Cat. No.	Joint Size	Stopcock Bore (mm)	Price
1215-1420	14/20	2	88.44
1215-1922	19/22	2	88.92
1215-2440	24/40	2	89.40
1215-2942	29/42	2	90.36



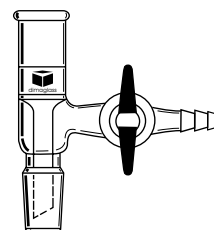
1215

# ADAPTERS

## Adapter, Vacuum Filtration, Teflon Stopcock

With standard taper of top outer joint and bottom inner joint and hose connection.

Cat. No.	Joint Size	Stopcock Bore (mm)	Hose O.D. (mm)	Price
1235-1420	14/20	2	10	71.18
1235-1922	19/22	2	10	75.97
1235-2440	24/40	2	10	78.85
1235-2942	29/42	2	10	80.77

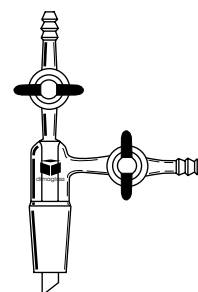


1235

## Adapter, Vacuum Transfer, Teflon Stopcock

With standard taper bottom inner joint and hose connection.

Cat. No.	Joint Size	Stopcock Bore (mm)	Hose O.D. (mm)	Price
1237-1420	14/20	2	10	77.90
1237-1922	19/22	2	10	79.93
1237-2440	24/40	2	10	80.89
1237-2942	29/42	2	10	81.85



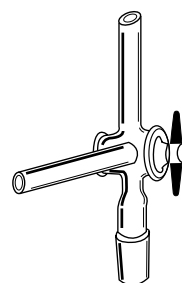
1237

## Adapter, Flushing, Teflon Stopcock

While sampling directly thru the bore of the T-bore Teflon stopcock, vessels can be flushed with inert gas. 10mm OD stems for use with septum stopper.

**NOT SUPPLIED WITH SEPTUM STOPPER.**

Cat. No.	Joint Size	Stopcock Bore (mm)	Stem O.D. (mm)	Price
1251-1420	14/20	4	10	83.93
1251-1922	19/22	4	10	84.70
1251-2440	24/40	4	10	85.98
1251-2942	29/42	4	10	87.46

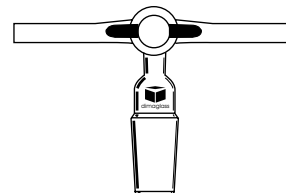


1251

## Adapter, Vacuum/Inert Gas, Teflon Stopcock

With standard taper inner joint, similar to 1251, adapter has a T-bore Teflon stopcock permitting vessels having a standard taper outer joint to be purged and evacuated.

Cat. No.	Joint Size	Stopcock Bore (mm)	Stem O.D. (mm)	Price
1253-1420	14/20	4	10	83.61
1253-1922	19/22	4	10	84.70
1253-2440	24/40	4	10	86.73
1253-2942	29/42	4	10	88.54

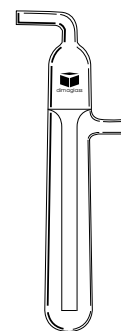


1253

### Adapter, Bubbler

For monitoring gas flow to reactions while providing a vent to the atmosphere. Reservoir head prevents reactant from being sucked back into the system. Bubbler has an 8mm O.D. top and side tubulations.

Cat. No.	Body O.D. (mm)	Overall H. x W. (mm)	Price
1301-0185	26	185 x 80	34.55
1301-0500	26	500 x 80	61.81

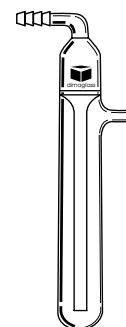


1301

### Adapter, Bubbler, Modified

Similar to 1301, bubbler has an 8mm O.D. side tubulation and 10mm O.D. top hose connection.

Cat. No.	Body O.D. (mm)	Overall H. x W. (mm)	Price
1303-0185	26	185 x 80	37.62
1303-0500	26	500 x 80	66.02

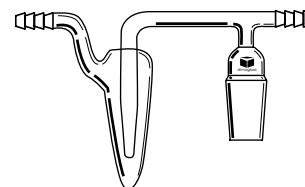


1303

### Adapter, Bubbler, Modified

Horizontal bubbler allows for in-line connection and purging of apparatus. With standard taper inner joint and hose connection.

Cat. No.	Body O.D. (mm)	Overall H. x W. (mm)	Price
1305-1420	14/20	10	117.29
1305-2440	24/40	10	122.67



1305

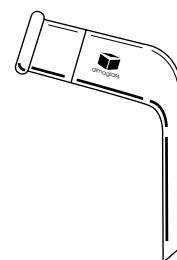
# ADAPTERS

## DISTILLATION

### Adapter, Distillation, 105°

With a standard taper top outer joint, delivery tube is bent at 105° angle to the outer joint and extends into open vessels.

Cat. No.	Joint Size	Price
1401-1420	14/20	19.42
1401-1922	19/22	19.86
1401-2440	24/40	23.80
1401-2942	29/42	25.45

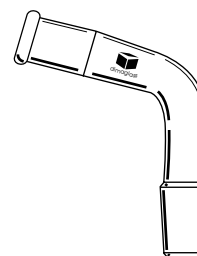


1401

### Adapter, Distillation, 105°

Similar to 1401, with standard taper top outer joint and bottom inner joint. Both being the same size.

Cat. No.	Joint Size	Price
1403-1420	14/20	27.55
1403-1922	19/22	28.94
1403-2440	24/40	30.24
1403-2942	29/42	32.93



1403

### Adapter, Distillation, 105°

Similar to 1401, with sealed in lower drip tip and top outer joints. Both being the same size.

Cat. No.	Joint Size	Price
1405-1420	14/20	33.25
1405-1922	19/22	34.00

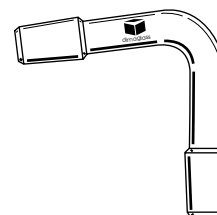


1405

### Adapter, Distillation, 75°

With standard taper top and bottom inner joints.

Cat. No.	Joint Size	Price
1407-1420	14/20	24.00
1407-1922	19/22	24.75
1407-2440	24/40	29.05
1407-2942	29/42	32.07



1407

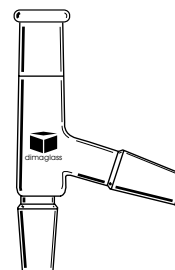
# ADAPTERS

## DISTILLATION

### Adapter, Distillation Connecting

With standard taper top outer joint and inner joints on the bottom and sidearm.

Cat. No.	Top Outer Joint	Bottom Inner Joint	Side Inner Joint	Price
1411-1014	10/30	14/20	14/20	38.35
1411-1019	10/30	19/22	19/22	40.30
1411-1024	10/30	24/40	24/40	42.78
1411-1420	14/20	14/20	14/20	34.12
1411-1922	19/22	19/22	19/22	36.64
1411-2440	24/40	24/40	24/40	43.66

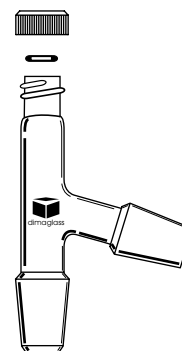


1411

### Adapter, Distillation Connecting

With the same size standard taper inner joints on the bottom and sidearm, and the top is threaded thermometer port, supplied complete with cap and #010 Viton O-ring (for 6-7mm OD thermometer).

Cat. No.	Bottom & Side Inner Joint	Price
1413-1420	14/20	34.33
1413-1922	19/22	35.68
1413-2440	24/40	44.44
1413-2942	29/42	45.63

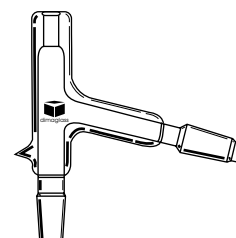


1413

### Adapter, Distillation Connecting, Vacuum Jacketed

With standard taper 10/30 top outer joint for 75mm immersion thermometers and the same size inner joints on the bottom and sidearm.

Cat. No.	Top Outer Joint	Bottom & Side Inner Joint	Price
1415-2440	10/30	24/40	244.27

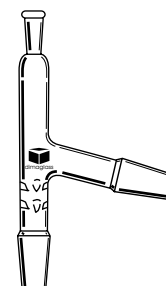


1415

### Adapter, Distillation Connecting, Vigreux

With standard taper 10/30 top outer joint for 75mm immersion thermometers and the same size inner joints on the bottom and sidearm.

Cat. No.	Top Outer Joint	Bottom & Side Inner Joint	Price
1417-1024	10/30	24/40	55.26



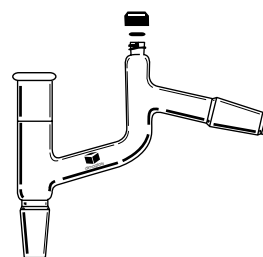
1417

# ADAPTERS

## DISTILLATION

### Adapter, Distillation Connecting

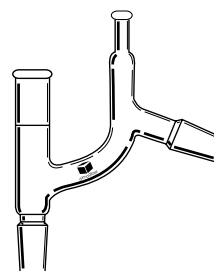
Cat. No.	Joint Size	Price
1419-1420	14/20	71.76
1419-1922	19/22	73.68
1419-2440	24/40	79.63
1419-2942	29/42	85.01



1419

### Adapter, Distillation Connecting

Cat. No.	Joint Size	Price
1421-1420	14/20	65.86
1421-1922	19/22	68.44
1421-2440	24/40	77.69
1421-2942	29/42	84.15

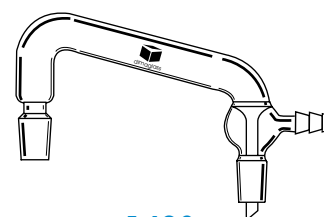


1421

### Adapter, Distillation, Vacuum

With standard taper inner joints and hose connection.

Cat. No.	Joint Size	Hose O.D. (mm)	Price
1423-1420	14/20	10	62.95



1423

# ADAPTERS

## DISTILLATION

### Adapter, Distilling Trap, Kjeldahl

Adapter above flask is used to prevent carry-over of reactions which have a tendency to foam. With standard taper top outer joint and bottom inner joint.

Cat. No.	Top Outer Joint	Bottom Inner Joint	Price
1431-1414	14/20	14/20	47.35
1431-1919	19/22	19/22	48.42
1431-2414	24/40	14/20	43.74
1431-2419	24/40	19/22	44.70
1431-2424	24/40	24/40	46.27
1431-2929	29/42	29/42	48.42



1431

### Adapter, Distilling Trap, Kjeldahl

With standard taper top outer joint and bottom inner joint, all being the same size.

Cat. No.	Joint Size	Price
1433-1414	14/20	76.72

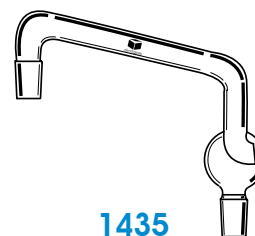


1433

### Adapter, Distilling Trap, Kjeldahl

With standard taper inner joint at both ends, all being the same size.

Cat. No.	Joint Size	Price
1435-1420	14/20	93.51
1435-2440	24/40	95.90



1435

# ADAPTERS

## VACUUM

### Adapter, Vacuum Take-off

With same size top outer and bottom inner joints, and 10mm O.D. hose connection to vacuum source.

Cat. No.	Joint Size	Price
1601-1420	14/20	34.33
1601-1922	19/22	35.08
1601-2440	24/40	45.52
1601-2942	29/42	48.21

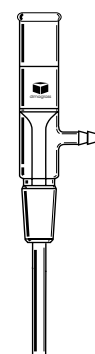


1601

### Adapter, Vacuum Take-off, Long Stem

With same size top outer and bottom inner joints with sealed in lower tube extending below inner joint, 10mm O.D. hose connection to vacuum source.

Cat. No.	Joint Size	Price
1603-1420	14/20	35.30
1603-1922	19/22	37.38
1603-2440	24/40	47.24
1603-2942	29/42	49.28

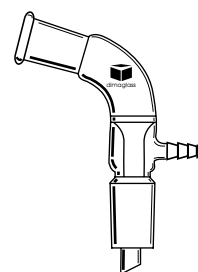


1603

### Adapter, Vacuum Take-off, 105°

With same size top outer and bottom inner joints with sealed in drip tip. Adapter is bent at 105° angle for vacuum distillation, and 10mm O.D. hose connection to vacuum source.

Cat. No.	Joint Size	Price
1607-1420	14/20	38.17
1607-1922	19/22	40.26
1607-2440	24/40	44.43
1607-2942	29/42	46.84

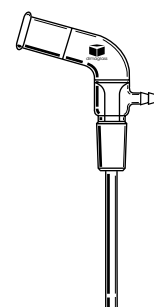


1607

### Adapter, Vacuum Take-off, Long Stem, 105°

Similar to 1607, with same size top outer and bottom inner joints, and 10mm O.D. hose connection to vacuum source.

Cat. No.	Joint Size	Price
1609-1420	14/20	37.88
1609-1922	19/22	38.85
1609-2440	24/40	42.50
1609-2942	29/42	45.84



1609

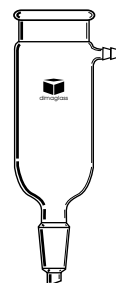


### Adapter, Vacuum Filtration

For reduced pressure filtration with plain stem buchner funnels. Top is used to accept the listed size of pluro-stopper. With standard taper bottom inner joint, and 10mm O.D. hose connection to vacuum source.

**NOT SUPPLIED WITH PLURO STOPPER.**

Cat. No.	Joint Size	Pluro Stopper	Fits Funnel Capacity	Price
1621-1420	14/20	#1	2 to 30 mL	34.22
1621-1922	19/22	#1	2 to 30 mL	38.63
1621-2415	24/40	#3	15 to 150 mL	48.10
1621-2440	24/40	#5 or 6	350 to 2K mL	48.85



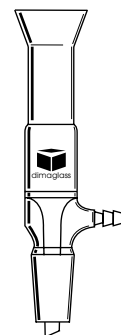
1621

### Adapter, Vacuum Filtration

For reduced pressure filtration with plain stem buchner funnels. Top is flared to accept the listed size of pluro-stopper. With standard taper bottom inner joint, and 10mm O.D. hose connection to vacuum source.

**NOT SUPPLIED WITH PLURO STOPPER.**

Cat. No.	Joint Size	Pluro Stopper	Price
1625-1420	14/20	#2	45.41
1625-1922	19/22	#2	47.24
1625-2440	24/40	#3	55.53
1625-2942	29/42	#4	63.27



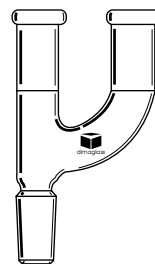
1625

# ADAPTERS

## Adapter, Claisen

All standard taper inner joint and outer joints are the same size.

Cat. No.	Joint Size	Price
1701-1420	14/20	44.10
1701-1922	19/22	44.98
1701-2440	24/40	51.01
1701-2942	29/42	56.16
1701-4550	45/50	148.31

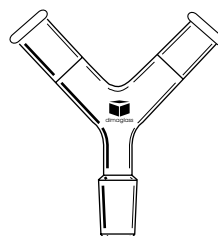


1701

## Adapter, Connecting

All standard taper inner joint and outer joints are the same size.

Cat. No.	Joint Size	Price
1703-1420	14/20	56.49
1703-2440	24/40	60.37

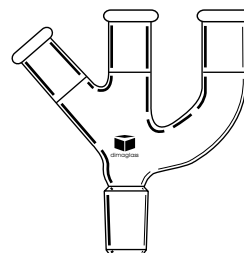


1703

## Adapter, Claisen, Modified

All standard taper inner joint and outer joints are the same size.

Cat. No.	Joint Size	Price
1705-1420	14/20	75.22
1705-2440	24/40	84.36

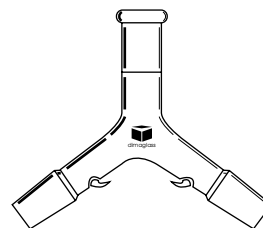


1705

## Adapter, Connecting

All standard taper inner joints and outer joint are the same size.

Cat. No.	Joint Size	Price
1707-1420	14/20	58.27
1707-2440	24/40	63.97

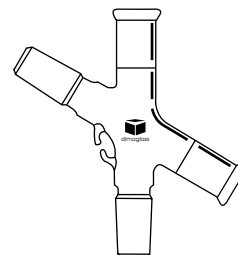


1707

## Adapter, Connecting

All standard taper inner joints and outer joints are the same size.

Cat. No.	Joint Size	Price
1709-1420	14/20	60.53
1709-2440	24/40	69.14



1709

# ADAPTERS

## Adapter, Pour-out

With standard taper bottom inner joint.

Cat. No.	Joint Size	Price
1717-1420	14/20	16.79
1717-1922	19/22	17.39
1717-2440	24/40	17.98
1717-2942	29/42	19.18



1717

## Adapter, Direct Drip

With standard taper top outer joint.

Cat. No.	Joint Size	Price
1719-1420	14/20	40.76
1719-1922	19/22	45.56



1719

# ADAPTERS

## INLET OR THERMOMETER

### Adapter, Inlet or Thermometer

Adapter has a holed rubber at the top for use with 6-7mm O.D. thermometers or gas bleed tubes, and the bottom is standard taper inner joint.

Cat. No.	Joint Size	Price
1801-1420	14/20	13.71
1801-1421	19/22	14.26
1801-2440	24/40	21.50
1801-2942	29/42	23.69



1801

### Adapter, Inlet or Thermometer

With standard taper inner joint on the bottom, and the top is threaded thermometer port, supplied complete with cap and #010 Viton O-ring (for 6-7mm O.D. thermometers).

Cat. No.	Joint Size	Price
1803-107VB	O-rings for 1803 Adapter, 5/pk	2.02
1803-108VB	Caps and O-rings for 1803 Adapter, 5/pk	3.29
1803-1420	14/20	22.06
1803-1922	19/22	23.14
1803-2440	24/40	22.60
1803-2942	29/42	24.75



1803

### Adapter, Inlet or Thermometer

With standard taper 10/30 top outer joint for 75mm immersion thermometers and bottom inner joint, hose connection O.D. is 10mm.

Cat. No.	Joint Size	Price
1805-2440	24/40	53.95

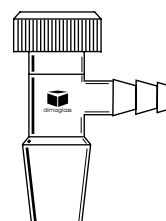


1805

### Adapter, Inlet or Thermometer

With standard taper inner joint on the bottom, and the top is threaded thermometer port, supplied complete with cap and #010 Viton O-ring (for 6-7mm O.D. thermometers), hose connection O.D. is 10mm.

Cat. No.	Joint Size	Price
1807-1420	14/20	28.84
1807-1922	19/22	29.48
1807-2440	24/40	29.48
1807-2942	29/42	30.45



1807

### Chromatography Column, Teflon Stopcock Standard Taper Joint

Cat. No.	Column I.D. in. (mm)	Effective Length in. (mm)	Stopcock Bore (mm)	Joint Size	Price
2001-1308	.50 (13)	8 (203)	2	24/40	81.46
2001-1310	.50 (13)	10 (254)	2	24/40	86.09
2001-1312	.50 (13)	12 (305)	2	24/40	90.71
2001-1318	.50 (13)	18 (457)	2	24/40	109.01
2001-1908	.75 (19)	8 (203)	2	24/40	81.46
2001-1910	.75 (19)	10 (254)	2	24/40	86.09
2001-1912	.75 (19)	12 (305)	2	24/40	90.71
2001-1918	.75 (19)	18 (457)	2	24/40	109.01
2001-2508	1.0 (25)	8 (203)	2	24/40	101.04
2001-2510	1.0 (25)	10 (254)	2	24/40	109.01
2001-2512	1.0 (25)	12 (305)	2	24/40	117.08
2001-2518	1.0 (25)	18 (457)	2	24/40	140.00
2001-3008	1.2 (30)	8 (203)	2	24/40	101.04
2001-3010	1.2 (30)	10 (254)	2	24/40	109.01
2001-3012	1.2 (30)	12 (305)	2	24/40	117.08
2001-3018	1.2 (30)	18 (457)	2	24/40	140.00
2001-3508	1.4 (35)	8 (203)	2	24/40	101.04
2001-3510	1.4 (35)	10 (254)	2	24/40	109.01
2001-3512	1.4 (35)	12 (305)	2	24/40	117.08
2001-3518	1.4 (35)	18 (457)	2	24/40	140.00
2001-4008	1.6 (40)	8 (203)	2	24/40	101.04
2001-4010	1.6 (40)	10 (254)	2	24/40	109.01
2001-4012	1.6 (40)	12 (305)	2	24/40	117.08
2001-4018	1.6 (40)	18 (457)	2	24/40	140.00
2001-4038	3.0 (75)	18 (457)	4	24/40	228.90
2001-5010	2.0 (50)	10 (254)	2	24/40	140.00
2001-5012	2.0 (50)	12 (305)	2	24/40	151.51
2001-5018	2.0 (50)	18 (457)	2	24/40	168.73
2001-5024	2.0 (50)	24 (610)	2	24/40	198.54
2001-6410	2.5 (64)	10 (254)	4	45/50	156.03
2001-6412	2.5 (64)	12 (305)	4	45/50	156.03
2001-6418	2.5 (64)	18 (457)	4	45/50	187.02
2001-6424	2.5 (64)	24 (610)	4	45/50	216.83
2001-7510	3.0 (75)	10 (254)	4	45/50	196.98
2001-7512	3.0 (75)	12 (305)	4	45/50	209.21
2001-7518	3.0 (75)	18 (457)	4	45/50	241.58
2001-7524	3.0 (75)	24 (610)	4	45/50	292.79



2001

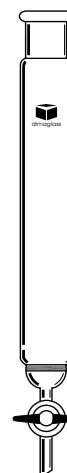
For Reservoir and Flow Control Adapter, please see page 27.

# CHROMATOGRAPHY

## COLUMNS

### Chromatography Column, Teflon Stopcock Standard Taper Joint, w/COARSE Fritted Disc

Cat. No.	Column I.D. in. (mm)	Effective Length in. (mm)	Stopcock Bore (mm)	Joint Size	Price
2003-1308	.50 (13)	8 (203)	2	24/40	94.78
2003-1310	.50 (13)	10 (254)	2	24/40	99.49
2003-1312	.50 (13)	12 (305)	2	24/40	105.31
2003-1318	.50 (13)	18(457)	2	24/40	125.05
2003-1908	.75 (19)	8 (203)	2	24/40	94.78
2003-1910	.75 (19)	10 (254)	2	24/40	99.49
2003-1912	.75 (19)	12 (305)	2	24/40	105.31
2003-1918	.75 (19)	18 (457)	2	24/40	125.05
2003-2508	1.0 (25)	8 (203)	2	24/40	115.84
2003-2510	1.0 (25)	10 (254)	2	24/40	125.05
2003-2512	1.0 (25)	12 (305)	2	24/40	132.73
2003-2518	1.0 (25)	18 (457)	2	24/40	155.66
2003-3008	1.2 (30)	8 (203)	2	24/40	115.84
2003-3010	1.2 (30)	10 (254)	2	24/40	125.05
2003-3012	1.2 (30)	12 (305)	2	24/40	132.73
2003-3018	1.2 (30)	18 (457)	2	24/40	155.66
2003-3508	1.4 (35)	8 (203)	2	24/40	121.76
2003-3510	1.4 (35)	10 (254)	2	24/40	130.54
2003-3512	1.4 (35)	12 (305)	2	24/40	138.22
2003-3518	1.4 (35)	18 (457)	2	24/40	161.36
2003-4008	1.6 (40)	8 (203)	2	24/40	127.25
2003-4010	1.6 (40)	10 (254)	2	24/40	136.02
2003-4012	1.6 (40)	12 (305)	2	24/40	143.70
2003-4018	1.6 (40)	18 (457)	2	24/40	166.85
2003-5010	2.0 (50)	10 (254)	2	24/40	161.47
2003-5012	2.0 (50)	12 (305)	2	24/40	173.10
2003-5018	2.0 (50)	18 (457)	2	24/40	190.65
2003-5024	2.0 (50)	24 (610)	2	24/40	221.04
2003-6410	2.5 (64)	10 (254)	4	45/50	184.84
2003-6412	2.5 (64)	12 (305)	4	45/50	184.84
2003-6418	2.5 (64)	18 (457)	4	45/50	215.22
2003-6424	2.5 (64)	24 (610)	4	45/50	245.61



2003

For Reservoir and Flow Control Adapter, please see page 27.

### Chromatography Column, Teflon Stopcock Spherical Joint

Cat. No.	Column I.D. in. (mm)	Effective Length in. (mm)	Stopcock Bore (mm)	Joint Size	Price
2011-1308	.50 (13)	8 (203)	2	35/20	83.93
2011-1310	.50 (13)	10 (254)	2	35/20	89.31
2011-1312	.50 (13)	12 (305)	2	35/20	93.62
2011-1318	.50 (13)	18 (457)	2	35/20	112.99
2011-1908	.75 (19)	8 (203)	2	35/20	83.93
2011-1910	.75 (19)	10 (254)	2	35/20	89.31
2011-1912	.75 (19)	12 (305)	2	35/20	93.62
2011-1918	.75 (19)	18 (457)	2	35/20	112.99
2011-2508	1.0 (25)	8 (203)	2	35/20	104.38
2011-2510	1.0 (25)	10 (254)	2	35/20	112.99
2011-2512	1.0 (25)	12 (305)	2	35/20	121.60
2011-2518	1.0 (25)	18 (457)	2	35/20	144.19
2011-3008	1.2 (30)	8 (203)	2	35/20	104.38
2011-3010	1.2 (30)	10 (254)	2	35/20	112.99
2011-3012	1.2 (30)	12 (305)	2	35/20	121.60
2011-3018	1.2 (30)	18 (457)	2	35/20	144.19
2011-3508	1.4 (35)	8 (203)	2	35/20	104.38
2011-3510	1.4 (35)	10 (254)	2	35/20	112.99
2011-3512	1.4 (35)	12 (305)	2	35/20	121.60
2011-3518	1.4 (35)	18 (457)	2	35/20	144.19
2011-4008	1.6 (40)	8 (203)	2	35/20	104.38
2011-4010	1.6 (40)	10 (254)	2	35/20	112.99
2011-4012	1.6 (40)	12 (305)	2	35/20	121.60
2011-4018	1.6 (40)	18 (457)	2	35/20	144.19



2011

For Reservoir and Flow Control Adapter, please see page 27.

# CHROMATOGRAPHY

## COLUMNS

### Chromatography Column, Teflon Stopcock Spherical Joint, w/COARSE Fritted Disc

Cat. No.	Column I.D. in. (mm)	Effective Length in. (mm)	Stopcock Bore (mm)	Joint Size	Price
2013-1308	.50 (13)	8 (203)	2	35/20	97.63
2013-1310	.50 (13)	10 (254)	2	35/20	103.11
2013-1312	.50 (13)	12 (305)	2	35/20	108.60
2013-1318	.50 (13)	18(457)	2	35/20	129.44
2013-1908	.75 (19)	8 (203)	2	35/20	97.63
2013-1910	.75 (19)	10 (254)	2	35/20	103.11
2013-1912	.75 (19)	12 (305)	2	35/20	108.60
2013-1918	.75 (19)	18 (457)	2	35/20	129.44
2013-2508	1.0 (25)	8 (203)	2	35/20	119.57
2013-2510	1.0 (25)	10 (254)	2	35/20	128.34
2013-2512	1.0 (25)	12 (305)	2	35/20	137.12
2013-2518	1.0 (25)	18 (457)	2	35/20	161.25
2013-3008	1.2 (30)	8 (203)	2	35/20	119.57
2013-3010	1.2 (30)	10 (254)	2	35/20	128.34
2013-3012	1.2 (30)	12 (305)	2	35/20	137.12
2013-3018	1.2 (30)	18 (457)	2	35/20	161.25
2013-3508	1.4 (35)	8 (203)	2	35/20	126.15
2013-3510	1.4 (35)	10 (254)	2	35/20	133.83
2013-3512	1.4 (35)	12 (305)	2	35/20	142.61
2013-3518	1.4 (35)	18 (457)	2	35/20	166.74
2013-4008	1.6 (40)	8 (203)	2	35/20	126.15
2013-4010	1.6 (40)	10 (254)	2	35/20	133.83
2013-4012	1.6 (40)	12 (305)	2	35/20	142.61
2013-4018	1.6 (40)	18 (457)	2	35/20	166.74



2013

For Reservoir and Flow Control Adapter, please see page 27.



# CHROMATOGRAPHY

## COLUMNS

### Chromatography Column, Teflon Stopcock

Cat. No.	Column I.D. in. (mm)	Effective Length in. (mm)	Stopcock Bore (mm)	Price
2021-1308	.50 (13)	8 (203)	2	67.36
2021-1310	.50 (13)	10 (254)	2	73.28
2021-1312	.50 (13)	12 (305)	2	79.20
2021-1318	.50 (13)	18(457)	2	99.32
2021-1908	.75 (19)	8 (203)	2	67.36
2021-1910	.75 (19)	10 (254)	2	73.28
2021-1912	.75 (19)	12 (305)	2	79.20
2021-1918	.75 (19)	18 (457)	2	99.32
2021-2508	1.0 (25)	8 (203)	2	83.93
2021-2510	1.0 (25)	10 (254)	2	94.59
2021-2512	1.0 (25)	12 (305)	2	105.24
2021-2518	1.0 (25)	18 (457)	2	125.25
2021-3008	1.2 (30)	8 (203)	2	83.93
2021-3010	1.2 (30)	10 (254)	2	94.59
2021-3012	1.2 (30)	12 (305)	2	105.24
2021-3018	1.2 (30)	18 (457)	2	125.25
2021-3508	1.4 (35)	8 (203)	2	83.93
2021-3510	1.4 (35)	10 (254)	2	94.59
2021-3512	1.4 (35)	12 (305)	2	105.24
2021-3518	1.4 (35)	18 (457)	2	125.25
2021-4008	1.6 (40)	8 (203)	2	83.93
2021-4010	1.6 (40)	10 (254)	2	94.59
2021-4012	1.6 (40)	12 (305)	2	105.24
2021-4018	1.6 (40)	18 (457)	2	125.25
2021-5010	2.0 (50)	10 (254)	2	109.33
2021-5012	2.0 (50)	12 (305)	2	114.71
2021-5018	2.0 (50)	18 (457)	2	139.46
2021-5024	2.0 (50)	24 (610)	2	165.50
2021-6410	2.5 (64)	10 (254)	4	123.21
2021-6412	2.5 (64)	12 (305)	4	123.21
2021-6418	2.5 (64)	18 (457)	4	158.40
2021-6424	2.5 (64)	24 (610)	4	193.80



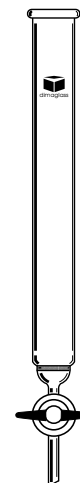
2021

# CHROMATOGRAPHY

## COLUMNS

### Chromatography Column, Teflon Stopcock w/COARSE Fritted Disc

Cat. No.	Column I.D. in. (mm)	Effective Length in. (mm)	Stopcock Bore (mm)	Price
2023-1308	.50 (13)	8 (203)	2	80.74
2023-1310	.50 (13)	10 (254)	2	85.56
2023-1312	.50 (13)	12 (305)	2	90.39
2023-1318	.50 (13)	18(457)	2	106.08
2023-1908	.75 (19)	8 (203)	2	80.74
2023-1910	.75 (19)	10 (254)	2	85.56
2023-1912	.75 (19)	12 (305)	2	90.39
2023-1918	.75 (19)	18 (457)	2	106.08
2023-2508	1.0 (25)	8 (203)	2	102.46
2023-2510	1.0 (25)	10 (254)	2	111.01
2023-2512	1.0 (25)	12 (305)	2	119.35
2023-2518	1.0 (25)	18 (457)	2	144.69
2023-3008	1.2 (30)	8 (203)	2	102.46
2023-3010	1.2 (30)	10 (254)	2	111.01
2023-3012	1.2 (30)	12 (305)	2	119.35
2023-3018	1.2 (30)	18 (457)	2	144.69
2023-3508	1.4 (35)	8 (203)	2	102.46
2023-3510	1.4 (35)	10 (254)	2	111.01
2023-3512	1.4 (35)	12 (305)	2	119.35
2023-3518	1.4 (35)	18 (457)	2	144.69
2023-4008	1.6 (40)	8 (203)	2	102.46
2023-4010	1.6 (40)	10 (254)	2	111.01
2023-4012	1.6 (40)	12 (305)	2	119.35
2023-4018	1.6 (40)	18 (457)	2	144.69
2023-5010	2.0 (50)	10 (254)	2	149.96
2023-5012	2.0 (50)	12 (305)	2	155.44
2023-5018	2.0 (50)	18 (457)	2	166.30
2023-5024	2.0 (50)	24 (610)	2	206.01
2023-6410	2.5 (64)	10 (254)	4	154.89
2023-6412	2.5 (64)	12 (305)	4	160.38
2023-6418	2.5 (64)	18 (457)	4	192.74
2023-6424	2.5 (64)	24 (610)	4	226.52

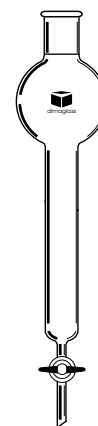


2023

# CHROMATOGRAPHY COLUMNS

## Chromatography Column, Teflon Stopcock w/Reservoir, Standard Taper Joint

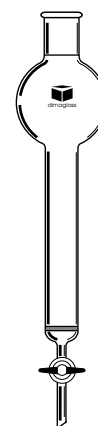
Cat. No.	Column I.D. in. (mm)	Effective Length in. (mm)	Res. Cap. (mL)	Stopcock Bore (mm)	Joint Size	Price
2031-1308	.50 (13)	8 (203)	100	2	24/40	94.59
2031-1312	.50 (13)	12 (305)	100	2	24/40	99.32
2031-1908	.75 (19)	8 (203)	250	2	24/40	102.23
2031-1912	.75 (19)	12 (305)	250	2	24/40	107.61
2031-2508	1.0 (25)	8 (203)	250	2	24/40	118.37
2031-2512	1.0 (25)	12 (305)	250	2	24/40	134.72
2031-2513	1.0 (25)	12 (305)	500	2	24/40	136.28
2031-2518	1.0 (25)	18 (457)	500	2	24/40	160.87
2031-3508	1.4 (35)	8 (203)	500	2	24/40	121.60
2031-3512	1.4 (35)	12 (305)	500	2	24/40	137.09
2031-3513	1.4 (35)	12 (305)	500	4	24/40	137.09
2031-3518	1.4 (35)	18 (457)	500	2	24/40	160.87
2031-5018	2.0 (50)	18 (457)	500	2	24/40	182.29
2031-5013	2.0 (50)	12.6 (320)	1,000	4	24/40	179.81



2031

## Chromatography Column, Teflon Stopcock w/Reservoir, Standard Taper Joint w/COARSE Fritted Disc

Cat. No.	Column I.D. in. (mm)	Effective Length in. (mm)	Res. Cap. (mL)	Stopcock Bore (mm)	Joint Size	Price
2033-1308	.50 (13)	8 (203)	100	2	24/40	109.70
2033-1312	.50 (13)	12 (305)	100	2	24/40	121.76
2033-1908	.75 (19)	8 (203)	250	2	24/40	109.70
2033-1912	.75 (19)	12 (305)	250	2	24/40	121.76
2033-2508	1.0 (25)	8 (203)	250	2	24/40	133.83
2033-2512	1.0 (25)	12 (305)	250	2	24/40	149.41
2033-2518	1.0 (25)	18 (457)	500	2	24/40	177.16
2033-3508	1.4 (35)	8 (203)	500	2	24/40	142.17
2033-3512	1.4 (35)	12 (305)	500	2	24/40	159.06
2033-3518	1.4 (35)	18 (457)	500	2	24/40	183.19
2033-5018	2.0 (50)	18 (457)	500	2	24/40	219.39



2033

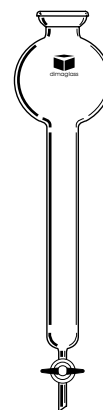
For Reservoir and Flow Control Adapter, please see page 27.

# CHROMATOGRAPHY

## COLUMNS

### Chromatography Column, Teflon Stopcock w/Reservoir, Spherical Joint

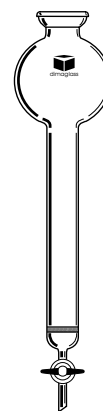
Cat. No.	Column I.D. in. (mm)	Effective Length in. (mm)	Res. Cap. (mL)	Stopcock Bore (mm)	Joint Size	Price
2041-1308	.50 (13)	8 (203)	100	2	35/20	94.69
2041-1312	.50 (13)	12 (305)	100	2	35/20	100.07
2041-1908	.75 (19)	8 (203)	250	2	35/20	118.37
2041-1912	.75 (19)	12 (305)	250	2	35/20	135.58
2041-2508	1.0 (25)	8 (203)	250	2	35/20	118.37
2041-2512	1.0 (25)	12 (305)	250	2	35/20	135.58
2041-2518	1.0 (25)	18 (457)	500	2	35/20	161.41
2041-3508	1.4 (35)	8 (203)	500	2	35/20	121.60
2041-3512	1.4 (35)	12 (305)	500	2	35/20	137.74
2041-3518	1.4 (35)	18 (457)	500	2	35/20	161.41
2041-5018	2.0 (50)	18 (457)	500	2	35/20	154.95



2041

### Chromatography Column, Teflon Stopcock w/Reservoir, Spherical Joint w/COARSE Fritted Disc

Cat. No.	Column I.D. in. (mm)	Effective Length in. (mm)	Res. Cap. (mL)	Stopcock Bore (mm)	Joint Size	Price
2043-1308	.50 (13)	8 (203)	100	2	35/20	109.70
2043-1312	.50 (13)	12 (305)	100	2	35/20	114.08
2043-1908	.75 (19)	8 (203)	250	2	35/20	133.83
2043-1912	.75 (19)	12 (305)	250	2	35/20	150.29
2043-2508	1.0 (25)	8 (203)	250	2	35/20	133.83
2043-2512	1.0 (25)	12 (305)	250	2	35/20	150.28
2043-2518	1.0 (25)	18 (457)	500	2	35/20	176.61
2043-3508	1.4 (35)	8 (203)	500	2	35/20	142.61
2043-3512	1.4 (35)	12 (305)	500	2	35/20	159.06
2043-3518	1.4 (35)	18 (457)	500	2	35/20	183.19
2043-5018	2.0 (50)	18 (457)	500	2	35/20	177.71



2043

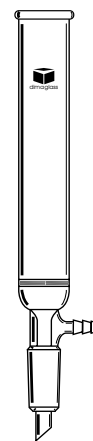
For Reservoir and Flow Control Adapter, please see page 27.

# CHROMATOGRAPHY

## COLUMNS & ACCESSORIES

### Column/Funnel, Standard Taper Joint w/COARSE Fritted Disc

Cat. No.	Column I.D. in. (mm)	Length (mm)	Disc O.D. (mm)	Joint Size	Price
2053-3008	1.2 (30)	200	30	24/40	118.47
2053-3012	1.2 (30)	300	30	24/40	134.93
2053-3508	1.4 (35)	200	35	24/40	118.47
2053-3512	1.4 (35)	300	35	24/40	134.92
2053-4008	1.6 (40)	200	40	24/40	118.47
2053-4012	1.6 (40)	300	40	24/40	134.93



2053

### Reservoir, Standard Taper Joint

For use with 2001 and 2003 chromatography columns. Reservoir has 24/40 standard taper top outer and bottom inner joint for use with 2115 flow control adapter.

Cat. No.	Joint Size	Capacity (mL)	Price
2105-2401	24/40	100	47.35
2105-2402	24/40	250	55.74
2105-2405	24/40	500	59.18
2105-2406	24/40	1000	64.56



2105

### Reservoir, Spherical Joint

For use with 2011 and 2013 chromatography columns. Reservoir has a top 35/20 socket joint for use with 2117 flow control adapter.

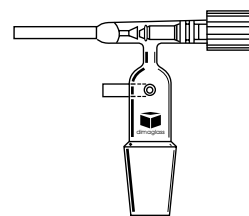
Cat. No.	Joint Size	Capacity (mL)	Price
2107-3501	35/20	100	48.96
2107-3502	35/20	250	55.96
2107-3505	35/20	500	59.18
2107-3510	35/20	1000	65.64



2107

### Flow Control Adapter, Standard Taper Joint

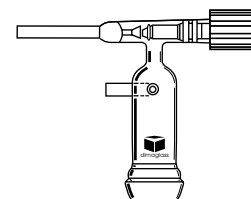
Cat. No.	Joint Size	Price
2115-2440	24/40	63.60
2115-4550	45/50	91.79



2115

### Flow Control Adapter, Spherical Joint

Cat. No.	Joint Size	Price
2117-3520	35/20	87.16



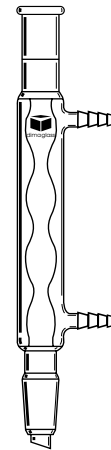
2117

# CONDENSERS

## Condenser, Allihn

With a standard taper top outer joint and a bottom inner drip tip joint. Hose connection has an O.D. of 10mm at the serration.

Cat. No.	Joint Size	Jacket Length(mm)	Hose O.D. (mm)	Price
3001-1412	14/20	120	10	72.61
3001-1420	14/20	200	10	77.70
3001-1430	14/20	300	10	80.31
3001-1920	19/22	200	10	82.93
3001-2420	24/40	200	10	82.93
3001-2425	24/40	250	10	88.80
3001-2430	24/40	300	10	95.44
3001-2440	24/40	400	10	104.21
3001-2450	24/40	500	10	110.35
3001-2460	24/40	600	10	112.66
3001-2920	29/42	200	10	89.95
3001-2930	29/42	300	10	106.84
3001-2940	29/42	400	10	109.70
3001-2950	29/42	500	10	117.05
3001-2960	29/42	600	10	134.49
3001-4550	45/50	500	10	151.22

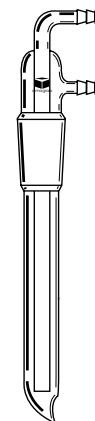


3001

## Condenser, Cold Finger

With standard taper top inner joint and a sealed bottom drip tip.

Cat. No.	Joint Size	Jacket Length(mm)	Hose O.D. (mm)	Price
3003-1410	14/20	100	10	49.93
3003-1910	19/22	100	10	52.63
3003-2415	24/40	150	10	58.65
3003-2420	24/40	200	10	63.27
3003-2422	24/40	220	10	66.86
3003-2425	24/40	250	10	70.27



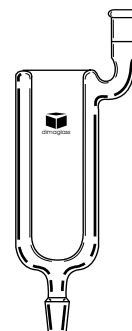
3003

# CONDENSERS

## Condenser, Dewar, 180°

With a large opening at the top for use with dry ice/acetone or liquid nitrogen. Condenser has a standard taper outer joint set at 180° angle to the condenser body and a lower inner joint. Both being the same size.

Cat. No.	Joint Size	Inside Dimensions Depth x I.D.(mm)	Price
3005-1401	14/20	90 x 31	101.04
3005-1402	14/20	120 x 31	118.26
3005-1901	19/22	90 x 31	103.30
3005-1902	19/22	120 x 31	119.98
3005-2401	24/40	200 x 40	163.89
3005-2402	24/40	250 x 50	197.57
3005-2403	24/40	350 x 75	218.44
3005-2902	29/42	250 x 50	201.12

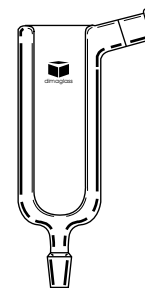


3005

## Condenser, Dewar, 105°

Similar to 3005, with a standard taper top outer joint and a bottom inner joint. Both being the same size.

Cat. No.	Joint Size	Inside Dimensions Depth x I.D.(mm)	Price
3007-1401	14/20	90 x 31	101.04
3007-1402	14/20	120 x 31	118.26
3007-1901	19/22	90 x 31	103.30
3007-1902	19/22	120 x 31	119.98
3007-2401	24/40	200 x 40	163.89
3007-2402	24/40	250 x 50	197.57
3007-2403	24/40	350 x 75	218.44
3007-2902	29/42	250 x 50	201.12



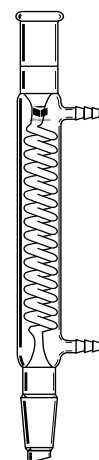
3007

# CONDENSERS

## Condenser, Graham

With standard taper top outer joint and a sealed bottom inner drip tip joint.

Cat. No.	Joint Size	Jacket Length(mm)	Hose O.D. (mm)	Price
3013-1412	14/20	120	10	102.64
3013-1920	19/22	200	10	112.22
3013-2420	24/40	200	10	112.22
3013-2425	24/40	250	10	115.95
3013-2430	24/40	300	10	119.67
3013-2440	24/40	400	10	129.66
3013-2460	24/40	600	10	183.61
3013-2920	29/42	200	10	115.07
3013-2925	29/42	250	10	120.12
3013-2930	29/42	300	10	124.94

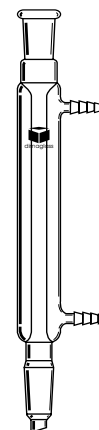


3013

## Condenser, Liebig

With standard taper top outer joint and a sealed bottom inner drip tip joint.

Cat. No.	Joint Size	Jacket Length(mm)	Hose O.D. (mm)	Price
3015-1411	14/20	110	10	61.77
3015-1412	14/20	120	10	61.77
3015-1418	14/20	180	10	72.22
3015-1420	14/20	200	10	76.53
3015-1918	19/22	180	10	77.82
3015-1920	19/22	200	10	81.62
3015-1930	19/22	300	10	85.30
3015-2420	24/40	200	10	81.50
3015-2425	24/40	250	10	86.99
3015-2430	24/40	300	10	89.84
3015-2440	24/40	400	10	94.01
3015-2450	24/40	500	10	94.45
3015-2460	24/40	600	10	103.77
3015-2920	29/42	200	10	84.03
3015-2925	29/42	250	10	89.51
3015-2930	29/42	300	10	92.36
3015-2940	29/42	400	10	96.53
3015-2950	29/42	500	10	100.81
3015-2960	29/42	600	10	106.30



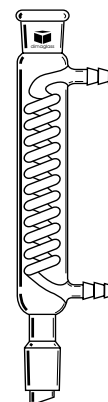
3015



## Condenser, Reflux

With a standard taper top outer joint and a sealed bottom inner drip tip joint, the coolant is circulated through the inner coil instead of through the jacket.

Cat. No.	Joint Size	Jacket Length(mm)	Hose O.D. (mm)	Price
3021-1410	14/20	100	10	123.41
3021-1412	14/20	120	10	123.41
3021-1920	19/22	200	10	128.80
3021-2420	24/40	200	10	128.81
3021-2425	24/40	250	10	145.16
3021-2430	24/40	300	10	151.73
3021-2920	29/42	200	10	134.62
3021-2925	29/42	250	10	154.63
3021-2930	29/42	300	10	156.57
3021-4550	45/50	500	10	299.67

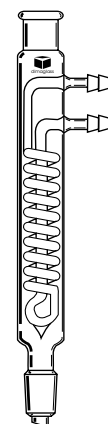


3021

## Condenser, Reflux

With a standard taper top outer joint and a sealed bottom inner drip tip joint. Condenser has a tightly wrapped coil providing high cooling capacity, especially for use with high vapor pressure solvents.

Cat. No.	Joint Size	Jacket Length(mm)	Hose O.D. (mm)	Price
3023-1410	14/20	100	10	118.47
3023-1418	14/20	180	10	120.67
3023-1920	19/22	200	10	120.67
3023-2415	24/40	150	10	156.87
3023-2420	24/40	200	10	159.06
3023-2425	24/40	250	10	170.03
3023-2430	24/40	300	10	179.90
3023-2440	24/40	400	10	197.45
3023-2920	29/42	200	10	164.54
3023-2925	29/42	250	10	175.51
3023-2930	29/42	300	10	186.48
3023-2940	29/42	400	10	202.94

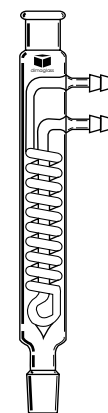


3023

## Condenser, Reflux, Large Cooling Capacity

Similar to 3023, condenser has a 40mm O.D. jacket while 8mm O.D. coil to provide maximum cooling capacity.

Cat. No.	Joint Size	Coil x Over-all Length(mm)	Hose O.D. (mm)	Price
3025-2430	24/40	125 x 300	10	171.10
3025-2435	24/40	175 x 350	10	207.68
3025-2440	24/40	300 x 400	10	256.22



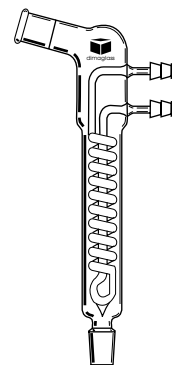
3025

# CONDENSERS

## Condenser, Reflux

With a standard taper top outer joint set at 75° angle to the condenser body and a sealed bottom inner drip tip joint. Condenser has a tightly wrapped coil providing high cooling capacity, especially for use with high vapor pressure solvents.

Cat. No.	Joint Size	Jacket Length (mm)	Hose O.D. (mm)	Price
3027-1410	14/20	100	10	122.67
3027-1910	19/22	100	10	124.82

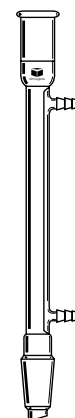


3027

## Condenser, West

With a standard taper top outer joint and a sealed bottom inner drip tip joint. West condenser has narrow annular space between jacket and inner tube, providing excellent cooling efficiency due to the increased flow rate of water.

Cat. No.	Joint Size	Jacket Length (mm)	Hose O.D. (mm)	Price
3029-1410	14/20	100	10	56.60
3029-1419	14/20	190	10	60.44
3029-1910	19/22	100	10	56.60
3029-1919	19/22	190	10	60.44
3029-2410	24/40	100	10	71.56
3029-2420	24/40	200	10	73.06
3029-2430	24/40	300	10	78.87
3029-2920	29/42	200	10	75.58
3029-2925	29/42	250	10	78.32
3029-2930	29/42	300	10	81.61



3029

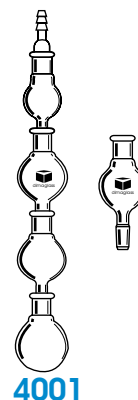
# DISTILLATION APPARATUS

## DISTILLATION BULB & COLUMNS

### Distillation Bulb, Kugelrohr

With 14/20 standard taper joints on both ends to connect to other bulbs or #4601 single neck flasks, for the vacuum adapter, see #1107-1420 or #1111-1420

Cat. No.	Capacity (mL)	Diameter (mm)	Height (mm)	Price
4001-1005	5	25	80	30.82
4001-1010	10	31	85	32.28
4001-1015	15	35	90	34.00
4001-1025	25	42	98	36.16
4001-1050	50	48	105	39.17



4001

### Distilling Column, Vacuum Jacketed

With same size standard taper top outer joint and bottom inner joint, vacuum jacketed column has indentations on the inner tube to support the packing material.

Cat. No.	Joint Size	Jacket Length(mm)	Price
4003-1420	14/20	100	159.69
4003-2440	24/40	250	173.68
4003-4400	24/40	400	196.70

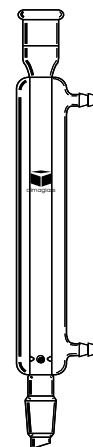


4003

### Distilling Column, Water Jacketed

With same size standard taper top outer joint and bottom inner joint, column has indentations on the inner tube to support packing material and the water jacket allows the column can be used as a condenser.

Cat. No.	Joint Size	Jacket Length(mm)	Hose O.D. (mm)	Price
4005-1411	14/20	110	10	54.74
4005-1420	14/20	200	10	56.60
4005-1911	19/22	110	10	58.36
4005-1920	19/22	200	10	60.22
4005-2420	24/40	200	10	68.34



4005

### Distilling Column, Vigreux

With same size standard taper top outer joint and bottom inner joint, column has indentations for improved vapor-liquid contact.

Cat. No.	Joint Size	Jacket Length(mm)	Price
4007-1407	14/20	75	51.06
4007-1410	14/20	100	52.94
4007-1412	14/20	120	53.80
4007-1912	19/22	120	57.14
4007-2412	24/40	120	56.60
4007-2420	24/40	200	57.46
4007-2430	24/40	300	72.63
4007-2445	24/40	450	104.38
4007-2460	24/40	600	145.16



4007

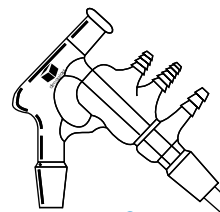
# DISTILLATION APPARATUS

## DISTILLATION HEADS

### Distilling Head, Short Path

With 10/18 joint for 25mm immersion thermometers and 10/30 joint for 51mm immersion thermometers. Distilling head is designed for use with small quantities where hold up between the flask and receiver must be kept to a minimum. The thermometer bulb and stem serve as column packing. Upper hose connections are for cooling lines and the lower connection is for vacuum.

Cat. No.	Top Thermometer Joint	Bottom Inner Joint Size	Price
4121-1814	10/18	14/20	137.74
4121-1819	10/18	19/22	146.85
4121-3024	10/30	24/40	166.79

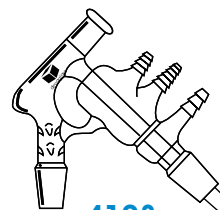


4121

### Distilling Head, Short Path, Vigreux

Similar to 4121, with 10/18 joint for 25mm immersion thermometers and 10/30 joint for 51mm immersion thermometers. Distilling head has Vigreux indentations to improve efficiency.

Cat. No.	Top Thermometer Joint	Bottom Inner Joint Size	Price
4123-1814	10/18	14/20	156.35
4123-1819	10/18	19/22	164.26
4123-3024	10/30	24/40	186.16

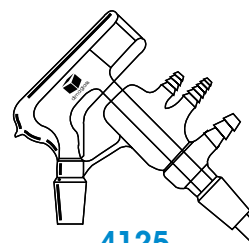


4123

### Distilling Head, Short Path, Vacuum Jacketed

Similar to 4121 but vacuum jacketed, with 10/18 joint for 25mm immersion thermometers and 10/30 joint for 51mm immersion thermometers.

Cat. No.	Top Thermometer Joint	Bottom Inner Joint Size	Price
4125-1814	10/18	14/20	288.93
4125-1819	10/18	19/22	298.53
4125-3024	10/30	24/40	306.68

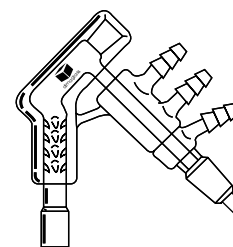


4125

### Distilling Head, Short Path, Vigreux Vacuum Jacketed

Similar to 4125 but with Vigreux indentations, with 10/18 joint for 25mm immersion thermometers and 10/30 joint for 51mm immersion thermometers.

Cat. No.	Top Thermometer Joint	Bottom Inner Joint Size	Price
4127-1814	10/18	14/20	301.30
4127-1819	10/18	19/22	314.31
4127-3024	10/30	24/40	326.05



4127

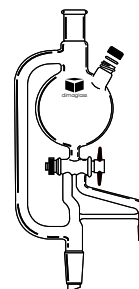
# DISTILLATION APPARATUS

## DISTILLATION HEADS, SOLVENT

### Distilling Head, Solvent , Teflon Stopcock

The top sampling port supplies complete with cap and Teflon lined silicone septa, and 2mm Teflon stopcock. The delivery port has 14/20 standard taper inner joint (used together with evacuation and purging adapter #1235-1420, please order separately).

Cat. No.	Joint Size	Capacity (mL)	Price
4151-2440	24/40	250	326.05
4151-2425	24/40	500	353.60

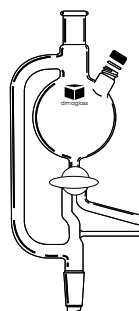


4151

### Distillation Head, Solvent, Glass Stopcock

Similar as 4151. The top sampling port supplies complete with cap and Teflon lined silicone septa and glass stopcock. The delivery port has 14/20 standard taper inner joint (used together with evacuation and purging adapter #1235-1420, please order separately).

Cat. No.	Joint Size	Capacity (mL)	Price
4152-2440	24/40	250	316.91
4152-2425	24/40	500	344.11

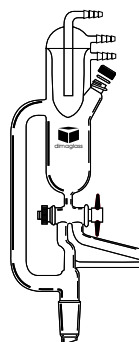


4152

### Distilling Head, Solvent , Teflon Stopcock Built-in Condenser

The top sampling port supplies complete with cap and Teflon lined silicone septa, and 2mm Teflon stopcock. The delivery port has 14/20 standard taper inner joint (used together with evacuation and purging adapter #1235-1420, please order separately).

Cat. No.	Joint Size	Capacity (mL)	Price
4153-4125	24/40	125	546.98

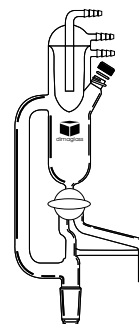


4153

### Distillation Head, Solvent, Glass Stopcock, Built-in Condenser

Similar as 4153. The top sampling port supplies complete with cap and Teflon lined silicone septa and glass stopcock. The delivery port has 14/20 standard taper inner joint (used together with evacuation and purging adapter #1235-1420, please order separately).

Cat. No.	Joint Size	Capacity (mL)	Price
4154-4125	24/40	125	538.69



4154

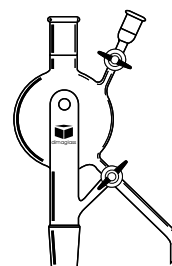
# DISTILLATION APPARATUS

## DISTILLATION HEADS, SOLVENT

### Distilling Head, Solvent , Teflon Stopcock

The top sampling port has a 14/20 standard taper outer joint and a 2mm Teflon stopcock, the delivery port has a drip tip.

Cat. No.	Top Outer Joint	Bottom Inner Joint	Capacity (mL)	Price
4155-4504	24/40	24/40	500	312.83
4155-4004	24/40	24/40	1,000	329.94
4155-4009	24/40	29/42	1,000	332.38

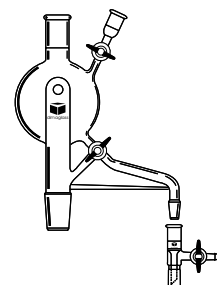


4155

### Distilling Head, Solvent , Teflon Stopcock

The top sampling port has 14/20 standard taper outer joint and 2mm Teflon stopcock, the delivery port has 14/20 standard taper inner joint (used together with evacuation and purging adapter #1235-1420, please order separately)

Cat. No.	Top Outer Joint	Bottom Inner Joint	Capacity (mL)	Price
4157-4503	24/40	24/40	250	306.06
4157-4504	24/40	24/40	500	325.04
4157-4004	24/40	24/40	1,000	342.28
4157-4509	24/40	29/42	1,000	344.60

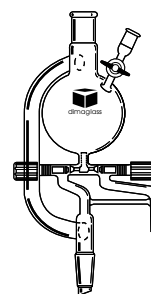


4157

### Distilling Head, Solvent , High Vacuum Valve

The top sampling port has 14/20 standard taper outer joint and 2mm Teflon stopcock, the delivery port has 14/20 standard taper inner joint (used together with evacuation and purging adapter #1235-1420, please order separately)

Cat. No.	Joint Size	Capacity (mL)	Price
4159-4250	24/40	250	574.31
4159-4500	24/40	500	623.18

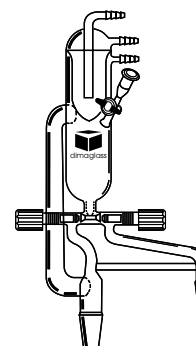


4159

### Distilling Head, Solvent , High Vacuum Valve Built-in Condenser

The top sampling port has 14/20 standard taper outer joint and 2mm Teflon stopcock, the delivery port has 14/20 standard taper inner joint (used together with evacuation and purging adapter #1235-1420, please order separately)

Cat. No.	Joint Size	Capacity (mL)	Price
4161-4125	24/40	125	549.46



4161

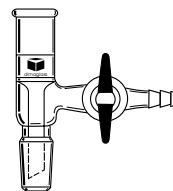
# DISTILLATION APPARATUS

## DISTILLATION HEADS

### Adapter, Evacuation/Purging

Used together with delivery port.

Cat. No.	Joint Size	Price
1235-1420	14/20	71.18

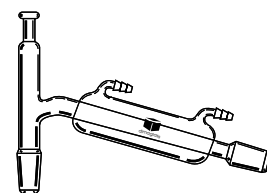


1235

### Distilling Head, Jacketed

10/30 joint for 76mm immersion thermometers.

Cat. No.	Bottom Inner Joint Size	Thermometer Outer Joint Size	Jacket Length (mm)	Price
4169-4150	24/40	10/30	150	85.41
4169-4250	24/40	10/30	250	130.20
4169-4400	24/40	10/30	400	170.03

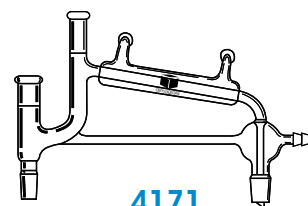


4169

### Distilling Head, Vacuum Jacketed

10/30 joint for 25mm immersion thermometers.

Cat. No.	Bottom Inner Joint Size	Thermometer Outer Joint Size	Overall H. x W. (mm)	Price
4171-1410	14/20	10/30	175 x 195	211.13
4171-1910	19/22	10/30	180 x 195	216.26



4171

# DISTILLATION APPARATUS

## DISTILLATION RECEIVERS

### Distillation Receiver, with Hooks

Cat. No.	Joint Size	Receiver Capacity (mL)	Price
4201-1412	14/20	12	162.49
4201-1912	19/22	12	165.71

### Distillation Receiver, with Hooks

Cat. No.	Joint Size	Receiver Capacity (mL)	Price
4203-1412	14/20	12	31.21
4203-1415	14/20	15	32.28
4203-1912	19/22	12	33.36
4203-1915	19/22	15	34.43

### Distillation Receiver, Cow Type

Cat. No.	Joint Size	Receiver Capacity (mL)	Price
4207-1403	14/20	3	118.37

### Distillation Receiver, without Hose Connection

Cow type has three receivers 45° apart.

Cat. No.	Joint Size	Price
4209-1420	14/20	88.13
4209-1922	19/22	91.25
4209-2440	24/40	99.00

### Distillation Receiver, with Hose Connection

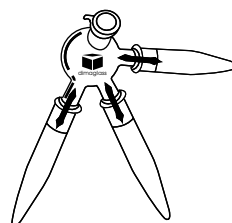
Cow type has three receivers 45° apart.

Cat. No.	Joint Size	Price
4211-1420	14/20	88.13
4211-1922	19/22	91.25
4211-2440	24/40	99.00

### Distillation Receiver, Cow Type

With one outer joint and four inner drip tip joints.

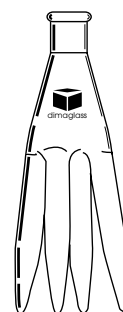
Cat. No.	Joint Size	Price
4213-1420	14/20	102.51
4213-1922	19/22	106.69
4213-2440	24/40	150.96



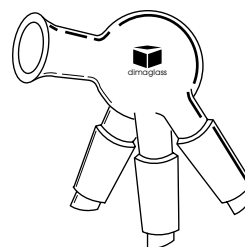
4201



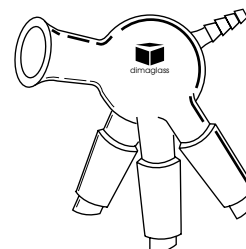
4203



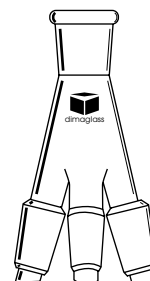
4207



4209



4211



4213



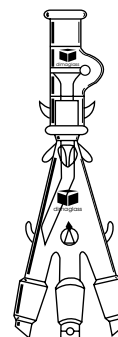
# DISTILLATION APPARATUS

## DISTILLATION RECEIVERS

### Distillation Receiver

With four inner drip tip joints receivers.

Cat. No.	Joint Size	Description	Price
4215-0001	14/20	Complete Kit	128.24
Replacement components:			
4215-1420	14/20	Adapter	33.79
4223-1420	14/20	Distribution Cow Receiver	105.99

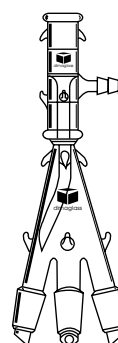


4215

### Distillation Receiver

With four inner drip tip joints receivers.

Cat. No.	Joint Size	Description	Price
4217-0001	24/40	Complete Kit	209.55
Replacement components:			
4217-2440	24/40	Vacuum Adapter	54.34
4223-2440	24/40	Distribution Cow Receiver	172.17

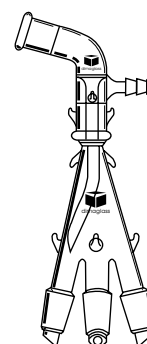


4217

### Distillation Receiver, 105°

With four inner drip tip joints receivers.

Cat. No.	Joint Size	Description	Price
4219-0001	14/20	Complete Kit	134.64
4219-0002	24/40	Complete Kit	206.86
Replacement components:			
4219-1420	14/20	Vacuum Adapter	41.11
4219-2440	24/40	Vacuum Adapter	60.58
4223-1420	14/20	Distribution Cow Receiver	105.99
4223-2440	24/40	Distribution Cow Receiver	172.17



4219

### Distillation Receiver, Cow Type, with Hooks

With one top inner joint and four inner drip tip joints.

Cat. No.	Joint Size	Price
4223-1420	14/20	105.99
4223-1922	19/22	117.29
4223-2440	24/40	172.17



4223

# DISTILLATION APPARATUS

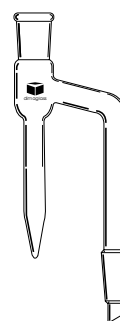
## MOISTURE TEST

### Distilling Receiver, Moisture Test

#### Dean & Stark

Dean-Stark receiver used for determining the water content of various materials.

Cat. No.	Joint Size	Receiver Capacity (mL)	Price
4251-1410	14/20	10	94.91
4251-1425	14/20	25	97.06
4251-2410	24/40	10	96.31
4251-2425	24/40	25	98.46



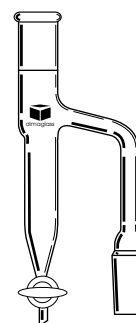
4251

### Distilling Receiver, Moisture Test

#### Dean & Stark, Glass Stopcock

With 2mm glass stopcock, Barrett style distilling receiver used to test the water content of materials, especially the water content in petroleum or bituminous material.

Cat. No.	Joint Size	Receiver Capacity (mL)	Price
4253-1402	14/20	2	115.68
4253-1405	14/20	5	121.60
4253-1410	14/20	10	129.13
4253-2410	24/40	10	133.97
4253-2420	24/40	20	142.69



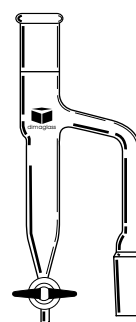
4253

### Distilling Receiver, Moisture Test

#### Dean & Stark, Teflon Stopcock

Similar to 4253 but with 2mm Teflon stopcock.

Cat. No.	Joint Size	Receiver Capacity (mL)	Price
4255-1402	14/20	2	129.13
4255-1405	14/20	5	135.58
4255-1410	14/20	10	143.12
4255-1902	19/22	2	133.97
4255-1905	19/22	5	140.43
4255-1910	19/22	10	146.45
4255-2410	24/40	10	146.45
4255-2420	24/40	20	155.17
4255-2910	29/42	10	155.60
4255-2920	29/42	20	168.94



4255

# DISTILLATION APPARATUS

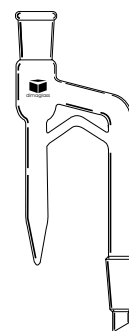
## MOISTURE TEST

### Distilling Receiver, Moisture Test

#### Dean & Stark

Similar to 4251 but an overflow tube between the uptake tube and the receiver.

Cat. No.	Joint Size	Receiver Capacity (mL)	Price
4261-1410	14/20	10	109.76
4261-1425	14/20	25	111.91
4261-2410	24/40	10	111.91
4261-2425	24/40	25	114.06



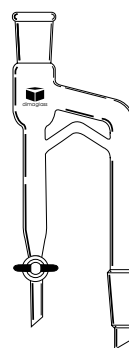
4261

### Distilling Receiver, Moisture Test

#### Dean & Stark, Teflon Stopcock

Similar to 4255 but an overflow tube between the uptake tube and the receiver.

Cat. No.	Joint Size	Receiver Capacity (mL)	Price
4265-1410	14/20	10	144.54
4265-1420	14/20	20	154.72
4265-2410	24/40	10	159.26
4265-2420	24/40	20	165.71
4265-2425	24/40	25	169.81



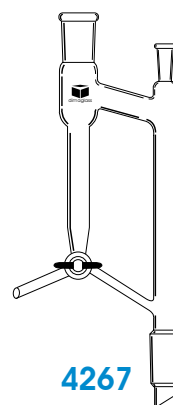
4265

### Distilling Receiver, Moisture Test, Recycle Type

#### Teflon Stopcock

With 2mm Teflon stopcock, and 10/30 outer joint for a 76mm immersion thermometer. Recycle type receiver designed for solvents that are either lighter or heavier than water. The lower three-way Teflon stopcock allows for the withdraw or return of the distillate during the distillation process.

Cat. No.	Joint Size	Receiver Capacity (mL)	Price
4267-1405	14/20	5	234.58
4267-2420	24/40	20	258.26



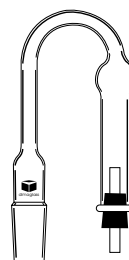
4267

# DRYING APPARATUS

## Drying Tube, U-Shaped

Adapter supplied complete with rubber stopper and glass inlet tube.

Cat. No.	Joint Size	Price
4301-1420	14/20	29.48
4301-1922	19/22	31.10
4301-2440	24/40	37.66
4301-2942	29/42	39.17



4301

## Drying Tube, Straight

With same size standard taper top outer joint and bottom inner joint.

Cat. No.	Joint Size	Price
4303-1420	14/20	26.04
4303-1922	19/22	27.98
4303-2440	24/40	30.95
4303-2942	29/42	33.17

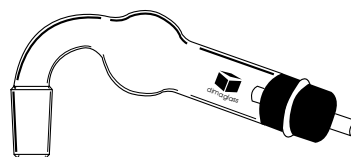


4303

## Drying Tube, 75°

Adapter supplied complete with rubber stopper and glass inlet tube.

Cat. No.	Joint Size	Price
4305-1420	14/20	27.20
4305-1922	19/22	29.40
4305-2440	24/40	37.74
4305-2942	29/42	39.38

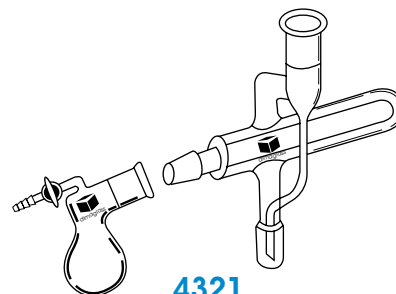


4305

## Drying Apparatus, Abderhalden

For drying samples at a temperature of the solvent boiling point. The desiccant flask has a 34/45 outer joint for connection to the drying chamber, all other joints are 24/40. Supplied complete with drying chamber and Teflon stopcock desiccant flask, NOT include flask and condenser.

Cat. No.	Joint Size	Description	Price
4321-0001		Complete Kit	225.01
Replacement components:			
4321-2434	24/40	Drying Chamber Only	165.71
4321-3445	34/45	Desiccant Flask	93.62



4321

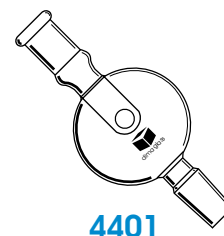
# EVAPORATION APPARATUS

## ROTARY EVAPORATOR BUMP TRAPS

### Rotary Evaporator Bump Trap, Anti-Climb

Trap has a 24/40 top outer joint and the listed size of bottom inner joint. Trap has expanded volume for reactions that have a tendency to foam excessively. The inner vapor tube is sealed to the top of the trap to prevent foam entry into the condenser.

Cat. No.	Joint Size	Capacity (mL)	Price
4401-1401	14/20	100	88.24
4401-1402	14/20	250	90.39
4401-1405	14/20	500	90.93
4401-1901	19/22	100	90.40
4401-1902	19/22	250	93.56
4401-2401	24/40	100	90.39
4401-2402	24/40	250	94.16
4401-2405	24/40	500	94.42

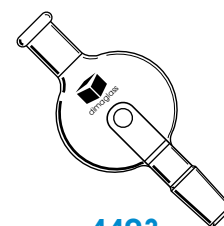


4401

### Rotary Evaporator Bump Trap, Anti-Splash

Trap has a 24/40 top outer joint and the listed size of bottom inner joint. Trap is used between the vapor tube and evaporation flask on a rotary evaporator to prevent contents of the flask from being drawn into the condenser in the event of "bumping."

Cat. No.	Joint Size	Capacity (mL)	Price
4403-1401	14/20	100	83.93
4403-1402	14/20	250	84.47
4403-1405	14/20	500	87.16
4403-1901	19/22	100	85.01
4403-2401	24/40	100	85.01
4403-2402	24/40	250	87.16
4403-2405	24/40	500	87.70

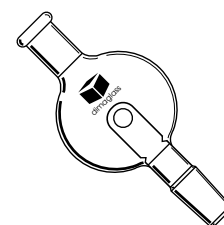


4403

### Rotary Evaporator Bump Trap, Anti-Splash, Modified

Similar to #4403, but with the addition of two 4mm drain holes at the base of the inner tube to allow solvent to drain back to the evaporation flask.

Cat. No.	Joint Size	Capacity (mL)	Price
4405-1401	14/20	100	86.30
4405-1402	14/20	250	86.84
4405-1405	14/20	500	89.53
4405-1901	19/22	100	87.38
4405-2401	24/40	100	87.38
4405-2402	24/40	250	89.53
4405-2405	24/40	500	90.07



4405

# EXTRACTION & SUBLIMATION APPARATUS

## Extraction Apparatus, Soxhlet

Supplied complete with condenser and extractor, NOT include flask. All sizes of extractors have 24/40 bottom inner joints.

Cat. No.	Joint Size	Description	Price
4501-0001	24/40	Complete Kit A	183.45
4501-0002	24/40	Complete Kit B	212.60
Replacement components:			
4501-3545	34/45	Condenser Only for Kit A	88.24
4501-4550	45/50	Condenser Only for Kit B	105.35
4501-3424	34/45	Extractor Only for Kit A	116.22
4501-4524	45/50	Extractor Only for Kit B	139.89

## Sublimation Apparatus, Glass Stopcock

Cat. No.	Joint Size	Description	Price
4551-0001	24/40	Complete Kit	124.82
Replacement components:			
4551-2440	24/40	Condenser Only	105.91
4551-2425	24/40	Flask Only, 25mL, Long Neck	31.21

## Sublimation Apparatus, Teflon Stopcock

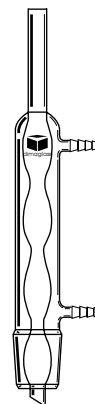
Cat. No.	Joint Size	Description	Price
4552-0001	24/40	Complete Kit	124.82
Replacement components:			
4552-2440	24/40	Condenser Only	105.91
4551-2425	24/40	Flask Only, 25mL, Long Neck	31.21

## Sublimation Apparatus, Glass Stopcock, Micro

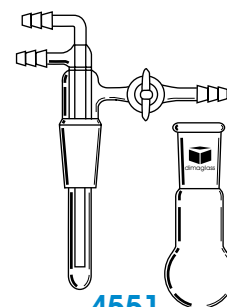
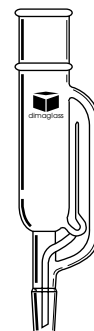
Cat. No.	Joint Size	Description	Price
4553-0001	24/40	Complete Kit	99.11
Replacement components:			
4553-2440	24/40	Micro Condenser Only	85.67
4551-2425	24/40	Flask Only, 25mL, Long Neck	31.21

## Sublimation Apparatus, Teflon Stopcock, Micro

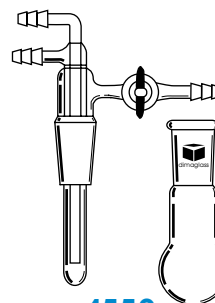
Cat. No.	Joint Size	Description	Price
4554-0001	24/40	Complete Kit	99.11
Replacement components:			
4554-2440	24/40	Micro Condenser Only	85.67
4551-2425	24/40	Flask Only, 25mL, Long Neck	31.21



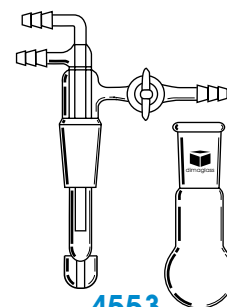
4501



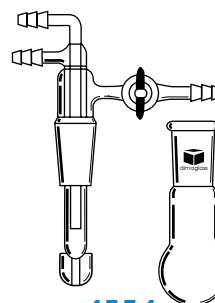
4551



4552



4553

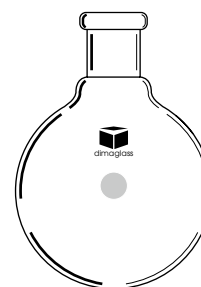


4554

## Flask, Single Neck, Round Bottom

Heavy duty with a standard taper outer joint.

Cat. No.	Capacity (mL)	Joint Size	Price
4601-1402	2	14/20	17.22
4601-1405	5	14/20	17.22
4601-1905	5	19/22	17.88
4601-1410	10	14/20	17.77
4601-1910	10	19/22	18.43
4601-1415	15	14/20	17.77
4601-1915	15	19/22	17.88
4601-1425	25	14/20	17.77
4601-1925	25	19/22	17.99
4601-2425	25	24/40	17.88
4601-1450	50	14/20	17.77
4601-1950	50	19/22	17.88
4601-2450	50	24/40	18.43
4601-1100	100	14/20	17.77
4601-9100	100	19/22	17.88
4601-4100	100	24/40	18.43
4601-2100	100	29/42	22.60
4601-4125	125	24/40	22.25
4601-4150	150	24/40	22.25
4601-1200	200	14/20	23.58
4601-9200	200	19/22	23.58
4601-4200	200	24/40	23.58
4601-2200	200	29/42	25.78
4601-1250	250	14/20	22.49
4601-9250	250	19/22	23.91
4601-4250	250	24/40	25.23
4601-2250	250	29/42	26.55
4601-1300	300	14/20	27.32
4601-9300	300	19/22	27.32
4601-4300	300	24/40	27.31
4601-2300	300	29/42	28.52
4601-9500	500	19/22	27.97
4601-4500	500	24/40	29.18
4601-1500	500	14/20	27.64
4601-2500	500	29/42	30.17
4601-1000	1,000	24/40	33.13
4601-1009	1,000	29/42	35.98
4601-2000	2,000	24/40	87.98
4601-2009	2,000	29/42	89.95



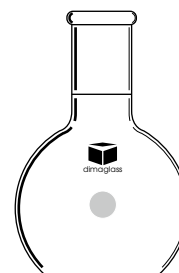
**4601**

# FLASKS

## Flask, Single Neck, Flat Bottom

Heavy duty with a standard taper outer joint.

Cat. No.	Capacity (mL)	Joint Size	Price
4603-1450	50	14/20	22.58
4603-1950	50	19/22	23.58
4603-2450	50	24/40	24.43
4603-4100	100	24/40	25.83
4603-4125	125	24/40	25.83
4603-4250	250	24/40	25.83
4603-4300	300	24/40	26.69
4603-2300	300	29/42	28.01
4603-4500	500	24/40	29.59
4603-2500	500	29/42	31.42
4603-1000	1,000	24/40	47.29
4603-2000	2,000	24/40	105.91

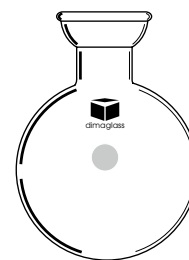


4603

## Flask, Single Neck, Round Bottom

Heavy duty with a spherical socket joint.

Cat. No.	Capacity (mL)	Joint Size	Price
4605-7570	50	28/15	26.58
4605-7050	50	35/20	26.58
4605-7100	100	35/20	26.58
4605-7250	250	35/20	26.58
4605-7500	500	35/20	28.09
4605-1000	1,000	35/20	38.42
4605-2000	2,000	35/20	95.77

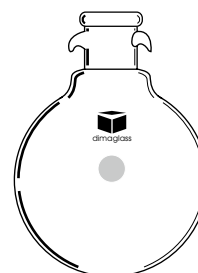


4605

## Flask, Single Neck, Round Bottom with Hooks

Heavy duty with a standard taper top outer joint.

Cat. No.	Capacity (mL)	Joint Size	Price
4607-1405	5	14/20	21.09
4607-1905	5	19/22	21.09
4607-1410	10	14/20	21.09
4607-1910	10	19/22	21.09
4607-1425	25	14/20	21.09
4607-1925	25	19/22	21.09
4607-1450	50	14/20	21.09
4607-1950	50	19/22	21.09
4607-2450	50	24/40	21.09
4607-1100	100	14/20	21.09
4607-9100	100	19/22	21.09
4607-4100	100	24/40	21.09
4607-4250	250	24/40	27.36
4607-4500	500	24/40	30.65
4607-1000	1,000	14/20	34.63
4607-2000	2,000	24/40	89.16



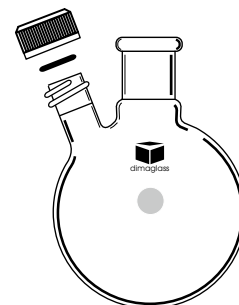
4607



## Flask, Round Bottom, Threaded Inlet

Heavy duty with a standard taper top outer joint and threaded inlet.

Cat. No.	Capacity (mL)	Joint Size	Price
4609-1425	25	14/20	39.38
4609-1450	50	14/20	39.38
4609-1100	100	14/20	40.25
4609-9100	100	19/22	45.97
4609-4100	100	24/40	54.66
4609-1250	250	14/20	50.47
4609-9250	250	19/22	53.15
4609-4250	250	24/50	56.71
4609-4500	500	24/40	59.72

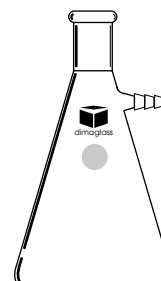


4609

## Flask, Erlenmeyer, Filtering, Hose Connection

Heavy wall, Erlenmeyer shaped filtering flask with standard taper outer joint and serrated hose connection for attachment to vacuum source.

Cat. No.	Capacity (mL)	Joint Size	Price
4617-4250	250	24/40	67.79
4617-4500	500	24/40	76.83
4617-1000	1,000	24/40	100.51



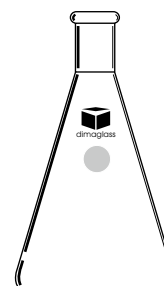
4617

# FLASKS

## Flask, Erlenmeyer

Heavy duty with a standard taper top outer joint.

Cat. No.	Capacity (mL)	Joint Size	Price
4619-1405	5	14/20	16.35
4619-1410	10	14/20	16.36
4619-1910	10	19/22	17.54
4619-1425	25	14/20	16.36
4619-1925	25	19/22	17.54
4619-1450	50	14/20	16.36
4619-1950	50	19/22	17.54
4619-2450	50	24/40	20.98
4619-1100	100	14/20	18.41
4619-9100	100	19/22	19.59
4619-1125	125	14/20	19.26
4619-9125	125	19/22	20.23
4619-4125	125	24/40	21.31
4619-9250	250	19/22	22.33
4619-4250	250	24/40	21.84
4619-4300	300	24/40	21.84
4619-4500	500	24/40	23.03
4619-1000	1000	24/40	26.36
4619-1003	1000	55/50	45.84



4619

## Flask, Recovery

Heavy duty with a standard taper top outer joint.

Cat. No.	Capacity (mL)	Joint Size	Price
4621-1405	5	14/20	18.43
4621-1410	10	14/20	18.43
4621-1910	10	19/22	18.54
4621-1425	25	14/20	18.43
4621-1925	25	19/22	18.54
4621-2425	25	24/40	23.14
4621-1450	50	14/20	18.43
4621-1950	50	19/22	18.54
4621-2450	50	24/40	23.15
4621-2451	50	24/29	23.15
4621-1100	100	14/20	18.98
4621-9100	100	19/22	19.09
4621-4100	100	24/40	23.58
4621-4101	100	24/29	23.58
4621-4200	200	24/40	30.72
4621-1250	250	14/20	23.25
4621-4250	250	24/40	32.91
4621-4500	500	24/40	47.28
4621-1000	1000	24/40	58.14



4621

## Flask, Single Neck, Pear-Shaped

Heavy wall.

Cat. No.	Capacity (mL)	Joint Size	Price
4623-1005	5	14/20	18.10
4623-9205	5	19/22	18.54
4623-1210	10	14/20	18.10
4623-9210	10	19/22	18.54
4623-1415	15	14/20	18.10
4623-9215	15	19/22	18.54
4623-1225	25	14/20	18.10
4623-9225	25	19/22	18.54
4623-1250	50	14/20	18.10
4623-9250	50	19/22	18.54
4623-2450	50	24/40	24.90
4623-1100	100	14/20	19.31
4623-9100	100	19/22	19.96
4623-4100	100	24/40	26.33
4623-0250	250	14/20	30.93
4623-4250	250	24/40	32.47
4623-4500	500	24/40	40.04

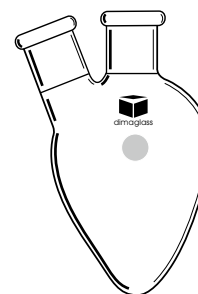


4623

## Flask, Two Neck, Pear-Shaped

Heavy wall.

Cat. No.	Capacity (mL)	Center Outer Joint	Side Outer Joint	Price
4625-1105	5	14/20	14/20	36.26
4625-1110	10	14/20	14/20	36.26
4625-1910	10	19/22	14/20	36.26
4625-9910	10	19/22	19/22	36.26
4625-1115	15	14/20	14/20	36.26
4625-1125	25	14/20	14/20	36.26
4625-1925	25	19/22	14/20	36.26
4625-9925	25	19/22	19/22	36.26
4625-1150	50	14/20	14/20	36.26
4625-1950	50	19/22	14/20	36.26
4625-9950	50	19/22	19/22	36.26
4625-1100	100	14/20	14/20	39.28
4625-1900	100	19/22	14/20	39.28
4625-9900	100	19/22	19/22	39.28

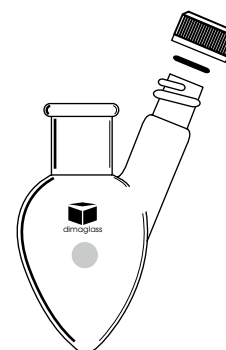


4625

## Flask, Pear-Shaped, Threaded Inlet

Heavy wall.

Cat. No.	Capacity (mL)	Joint Size	Price
4627-1415	15	14/20	38.92



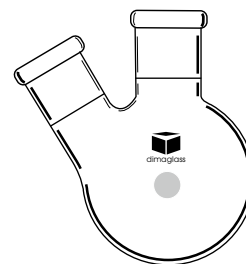
4627

# FLASKS

## Flask, Two Neck, Angled

Heavy wall.

Cat. No.	Capacity (mL)	Center Outer Joint	Side Outer Joint	Price
4629-2203	10	14/20	14/20	41.24
4629-2204	15	14/20	14/20	41.25
4629-3204	15	19/22	14/20	42.78
4629-2206	25	14/20	14/20	41.25
4629-3206	25	19/22	14/20	42.78
4629-3306	25	19/22	19/22	42.78
4629-2207	50	14/20	14/20	41.25
4629-3207	50	19/22	14/20	42.78
4629-3307	50	19/22	19/22	42.78
4629-4207	50	24/40	14/20	56.38
4629-4307	50	24/40	19/22	56.38
4629-4407	50	24/40	24/40	56.38
4629-2208	100	14/20	14/20	41.57
4629-3208	100	19/22	14/20	42.78
4629-3308	100	19/22	19/22	42.78
4629-4108	100	24/40	10/30	56.38
4629-4196	100	24/29	19/26	56.38
4629-4208	100	24/40	14/20	56.38
4629-4308	100	24/40	19/22	56.38
4629-4408	100	24/40	24/40	58.14
4629-2212	250	14/20	14/20	44.87
4629-3212	250	19/22	14/20	45.63
4629-3312	250	19/22	19/22	47.06
4629-4112	250	24/40	10/30	59.46
4629-4212	250	24/40	14/20	59.46
4629-4312	250	24/40	19/22	59.46
4629-4412	250	24/40	24/40	59.46
4629-2213	500	14/20	14/20	47.17
4629-3213	500	19/22	14/20	49.80
4629-3313	500	19/22	19/22	49.80
4629-4113	500	24/40	10/30	51.67
4629-4213	500	24/40	14/20	51.67
4629-4313	500	24/40	19/22	51.67
4629-4413	500	24/40	24/40	62.75
4629-4414	1,000	24/40	24/40	76.90
4629-5414	1,000	29/42	24/40	77.67
4629-4416	2,000	24/40	24/40	123.85
4629-5416	2,000	29/42	24/40	123.85

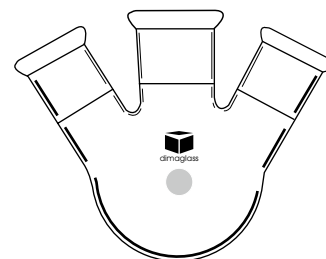


4629

## Flask, Three Neck, Angled

Heavy wall.

Cat. No.	Capacity (mL)	Center Outer Joint	Side Outer Joint	Price
4641-2203	10	14/20	14/20	48.49
4641-2204	15	14/20	14/20	48.49
4641-2206	25	14/20	14/20	48.49
4641-3206	25	19/22	14/20	49.47
4641-3306	25	19/22	19/22	51.23
4641-2207	50	14/20	14/20	51.23
4641-3207	50	19/22	14/20	52.65
4641-3307	50	19/22	19/22	54.08
4641-4207	50	24/40	14/20	66.91
4641-4307	50	24/40	19/22	66.91
4641-4407	50	24/40	24/40	66.91
4641-2208	100	14/20	14/20	51.45
4641-3208	100	19/22	14/20	52.76
4641-3308	100	19/22	19/22	54.08
4641-4208	100	24/40	14/20	82.27
4641-4308	100	24/40	19/22	82.27
4641-4408	100	24/40	24/40	82.27
4641-2212	250	14/20	14/20	57.92
4641-3212	250	19/22	14/20	59.35
4641-3312	250	19/22	19/22	60.77
4641-4212	250	24/40	14/22	77.88
4641-4219	250	24/40	19/22	77.88
4641-4412	250	24/40	24/40	77.88
4641-2213	500	14/20	14/20	63.62
4641-3313	500	19/22	19/22	66.48
4641-4413	500	24/40	24/40	86.88
4641-4419	500	24/40	19/22	86.88
4641-5413	500	29/42	24/40	87.76
4641-6413	500	34/45	24/40	89.95
4641-7413	500	45/50	24/40	91.05
4641-1419	1,000	24/40	19/22	95.75
4641-4414	1,000	24/40	24/40	97.85
4641-5414	1,000	29/42	24/40	103.33
4641-6414	1,000	34/45	24/40	107.50
4641-4416	2,000	24/40	24/40	152.48
4641-4417	2,000	24/40	19/22	148.22
4641-5416	2,000	29/42	24/40	154.67



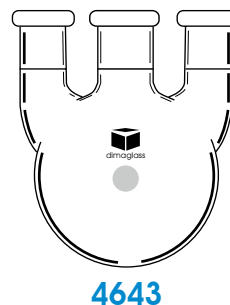
4641

# FLASKS

## Flask, Three Neck, Vertical

Heavy wall.

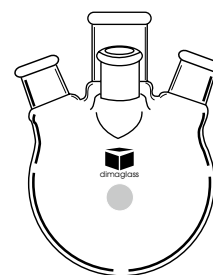
Cat. No.	Capacity (mL)	Center Outer Joint	Side Outer Joint	Price
4643-2207	50	14/20	14/20	48.27
4643-3207	50	19/22	14/20	50.46
4643-3307	50	19/22	19/22	48.27
4643-2208	100	14/20	14/20	50.46
4643-3208	100	19/22	14/20	52.65
4643-3308	100	19/22	19/22	52.65
4643-4208	100	24/40	14/20	82.27
4643-4308	100	24/40	19/22	82.27
4643-4408	100	24/40	24/40	82.27
4643-4409	125	24/40	24/40	82.27
4643-2212	250	14/20	14/20	57.04
4643-3312	250	19/22	19/22	57.04
4643-4212	250	24/40	14/20	82.27
4643-4312	250	24/40	19/22	82.27
4643-4412	250	24/40	24/40	82.27
4643-2213	500	14/20	14/20	63.62
4643-3313	500	19/22	19/22	86.88
4643-4413	500	24/40	24/40	86.88
4643-5413	500	29/42	24/40	87.76
4643-6413	500	34/45	24/40	88.85
4643-7413	500	45/50	24/40	91.05
4643-4414	1,000	24/40	24/40	97.85
4643-5414	1,000	29/42	24/40	103.33
4643-7415	1,000	45/50	24/40	108.60
4643-6414	2,000	24/40	24/40	152.48
4643-7414	2,000	29/42	24/40	154.67



## Flask, Round Bottom 4-Neck, Angled

Heavy wall.

Cat. No.	Capacity (mL)	Center Outer Joint	Side Outer Joint	Price
4651-2206	25	14/20	14/20	70.38
4651-3206	25	19/22	14/20	75.22
4651-2207	50	14/20	14/20	70.81
4651-3207	50	19/22	14/20	75.22
4651-2208	100	14/20	14/20	70.81
4651-3208	100	19/22	14/20	75.22
4651-2212	250	14/20	14/20	75.11
4651-4412	250	24/40	24/40	107.61
4651-2213	500	14/20	14/20	80.81
4651-3213	500	19/22	14/20	83.83
4651-4213	500	24/40	14/20	109.76
4651-4413	500	24/40	24/40	114.06
4651-4414	1,000	24/40	24/40	131.28
4651-5414	1,000	29/42	24/40	135.58
4651-4416	2,000	24/40	24/40	157.11
4651-5416	2,000	29/42	24/40	161.41

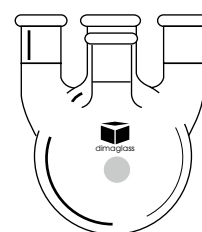


4651

## Flask, Round Bottom 4-Neck, Vertical

Heavy wall.

Cat. No.	Capacity (mL)	Center Outer Joint	Side Outer Joint	Price
4653-4412	250	24/40	24/40	116.22
4653-4413	500	24/40	24/40	120.20
4653-4414	1,000	24/40	24/40	148.07



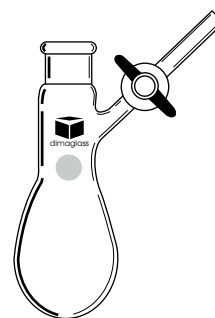
4653

# FLASKS

## Flask, Schlenk Tube, Teflon Stopcock

With 2mm stopcock and top outer joint.

Cat. No.	Capacity (mL)	Joint Size	Price
4701-1410	10	14/20	57.57
4701-1425	25	14/20	65.21
4701-1450	50	14/20	68.49
4701-2450	50	24/40	74.25
4701-1100	100	14/20	70.21
4701-4100	100	24/40	76.78

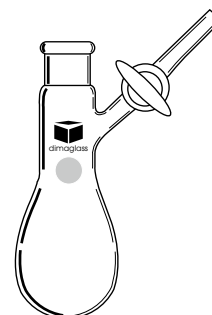


4701

## Flask, Schlenk Tube, Glass Stopcock

With 2mm stopcock and top outer joint.

Cat. No.	Capacity (mL)	Joint Size	Price
4703-1410	10	14/20	55.42
4703-1425	25	14/20	61.98
4703-1450	50	14/20	65.26
4703-2450	50	24/40	71.02
4703-1100	100	14/20	66.99
4703-4100	100	24/40	73.55
4703-1200	200	14/20	72.10
4703-4200	200	24/40	76.94
4703-1250	250	14/20	78.62
4703-4500	500	24/40	82.86
4703-4000	1000	24/40	100.56

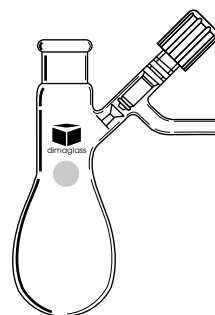


4703

## Flask, Schlenk Tube, High Vacuum Valve

With 0-4mm high vacuum valve and top outer joint.

Cat. No.	Capacity (mL)	Joint Size	Price
4705-1425	25	14/20	64.73
4705-1450	50	14/20	68.17
4705-2450	50	24/40	73.55
4705-1100	100	14/20	69.89
4705-4100	100	24/40	76.35
4705-4000	1,000	24/40	90.70



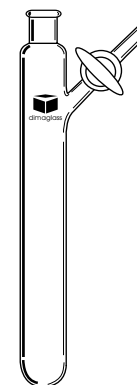
4705



## Flask, Reaction Tube, Glass Stopcock

With 2mm stopcock and top outer joint.

Cat. No.	Capacity (mL)	Joint Size	Price
4711-1410	10	14/20	70.05
4711-1425	25	14/20	71.29
4711-1450	50	14/20	71.56
4711-2450	50	24/40	73.17
4711-1100	100	14/20	72.20
4711-4100	100	24/40	73.55
4711-4200	200	24/40	75.32
4711-4250	250	24/40	76.62

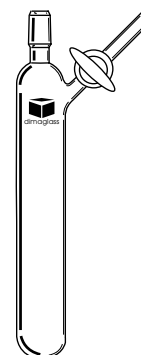


4711

## Flask, Reaction Tube, Glass Stopcock

With 2mm stopcock and top inner joint.

Cat. No.	Capacity (mL)	Joint Size	Price
4713-1425	25	14/20	69.30
4713-1450	50	14/20	69.30
4713-1100	100	14/20	70.54
4713-4100	100	24/40	74.36
4713-4250	250	24/40	75.59



4713

## Flask, Reaction Tube, High Vacuum Valve

With 0-4mm high vacuum valve and top outer joint.

There are other valves to choose, please call for quote.

Cat. No.	Capacity (mL)	Joint Size	Price
4715-1425	25	14/20	85.01
4715-1450	50	14/20	98.73
4715-2450	50	24/40	102.28
4715-1100	100	14/20	111.10
4715-4100	100	24/40	114.49



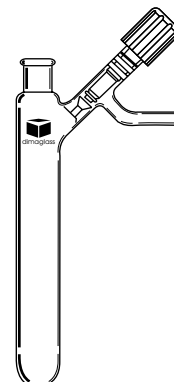
4715

## Flask, Reaction Tube, High Vacuum Valve

With 0-4mm high vacuum valve and top outer joint, stem O.D. is 9mm.

There are other valves to choose, please call for quote.

Cat. No.	Capacity (mL)	Joint Size	Price
4717-1025	25	14/20	73.55
4717-1050	50	14/20	73.66
4717-1100	100	14/20	74.36
4717-4100	100	24/40	78.82
4717-4250	250	24/40	78.82
4717-4500	500	24/40	83.66



4717

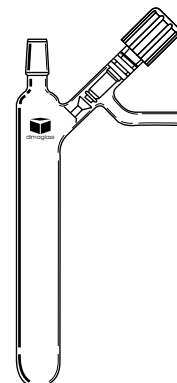
# FLASKS

## Flask, Reaction Tube, High Vacuum Valve

With 0-4mm high vacuum valve and top inner joint, Stem O.D. is 9mm.

There are other valves to choose, please call for quote.

Cat. No.	Capacity (mL)	Joint Size	Price
4719-1025	25	14/20	71.18
4719-1050	50	14/20	71.83
4719-1100	100	14/20	78.34
4719-4100	100	24/40	77.85



4719

## Flask, Reaction Tube, High Vacuum Valve

With 0-4mm high vacuum valve, Stem O.D. is 9mm.

There are other valves to choose, please call for quote.

Cat. No.	Capacity (mL)	Body O.D. x Height (mm)	Price
4721-1010	10	10 x150	70.81
4721-1025	25	20 x100	78.61
4721-1050	50	25 x100	91.95
4721-1100	100	40 x150	104.43



4721

## Flask, Reaction, Glass Stopcock

With 2mm stopcock and top outer joint.

Cat. No.	Capacity (mL)	Joint Size	Price
4731-1050	50	14/20	86.30
4731-1100	100	14/20	86.79
4731-4100	100	24/40	88.08
4731-1250	250	14/20	88.56
4731-4250	250	24/40	93.99
4731-4500	500	24/40	97.22
4731-4000	1,000	24/40	99.73

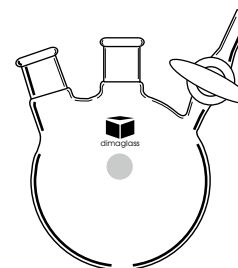


4731

## Flask, Reaction, 2-Neck, Glass Stopcock

With 2mm stopcock and top outer joint.

Cat. No.	Capacity (mL)	Joint Size	Price
4733-1450	50	14/20	93.99
4733-1100	100	14/20	94.37
4733-4100	100	24/40	94.96
4733-1250	250	14/20	95.50
4733-4250	250	24/40	103.79
4733-4500	500	24/40	106.69



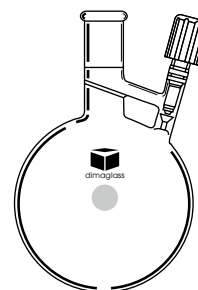
4733

## Flask, Transfer/Storage, High Vacuum Valve

With 0-4mm high vacuum valve and top outer joint.

There are other valves to choose, please call for quote.

Cat. No.	Capacity (mL)	Joint Size	Price
4735-4250	250	24/40	100.88
4735-1500	500	14/20	100.88
4735-4500	500	24/40	100.88
4735-4000	1,000	24/40	104.92
4735-2000	2,000	24/40	138.94



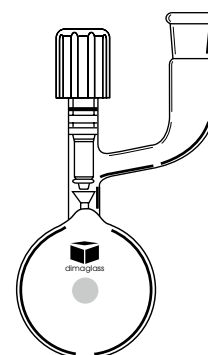
4735

## Flask, Storage, High Vacuum Valve

With 0-4mm high vacuum valve and top outer joint.

There are other valves to choose, please call for quote.

Cat. No.	Capacity (mL)	Joint Size	Price
4741-1010	10	14/20	88.08
4741-1025	25	14/20	88.08
4741-1050	50	14/20	88.08
4741-1100	100	14/20	88.08
4741-4100	100	24/40	90.07
4741-1250	250	14/20	97.76
4741-4250	250	24/40	99.75
4741-1500	500	14/20	107.71
4741-4500	500	24/40	109.33



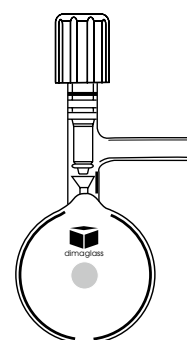
4741

## Flask, Storage, High Vacuum Valve

With 0-4mm high vacuum valve and the stem O.D. is 10mm.

There are other valves to choose, please call for quote.

Cat. No.	Capacity (mL)	Price
4743-1010	10	82.00
4743-1025	25	82.00
4743-1050	50	82.00
4743-1100	100	85.28
4743-1250	250	88.18
4743-1500	500	92.54



4743

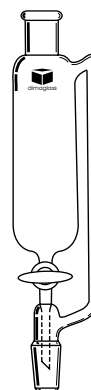
# FUNNELS

## PRESSURE EQUALIZING

### Funnel, Pressure Equalizing, Glass Stopcock

Funnel has a standard taper top outer joint and bottom inner joint, both being the same size. With pressure equalizing arm and glass stopcock.

Cat. No.	Capacity (mL)	Joint Size	Stopcock Bore (mm)	Price
4801-1410	10	14/20	2	104.81
4801-1425	25	14/20	2	104.81
4801-1460	60	14/20	2	104.81
4801-1125	125	14/20	2	128.16
4801-4125	125	24/40	2	134.08
4801-4250	250	24/40	2	143.87

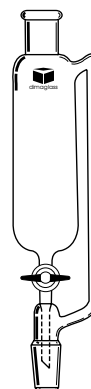


4801

### Funnel, Pressure Equalizing, Teflon Stopcock

Similar to 4801 but with Teflon stopcock.

Cat. No.	Capacity (mL)	Joint Size	Stopcock Bore (mm)	Price
4803-1410	10	14/20	2	108.68
4803-1425	25	14/20	2	108.68
4803-2425	25	24/40	2	114.60
4803-1460	60	14/20	2	108.68
4803-1960	60	19/22	2	111.91
4803-2460	60	24/40	2	139.89
4803-1125	125	14/20	2	119.44
4803-9125	125	19/22	2	122.67
4803-4125	125	24/40	2	150.65
4803-4250	250	24/40	2	171.10



4803

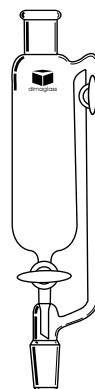
# FUNNELS

## PRESSURE EQUALIZING

### Funnel, Pressure Equalizing, Glass Stopcock

Similar to 4801 but with glass stopcock in pressure equalizing arm.

Cat. No.	Capacity (mL)	Joint Size	Stopcock Bore (mm)	Price
4807-1410	10	14/20	2	130.10
4807-1425	25	14/20	2	130.10
4807-1460	60	14/20	2	130.10
4807-2460	60	24/40	2	136.02
4807-1125	125	14/20	2	142.26
4807-4125	125	24/40	2	162.70
4807-4250	250	24/40	2	178.84

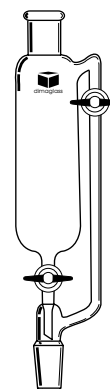


4807

### Funnel, Pressure Equalizing, Teflon Stopcock

Similar to 4803 but with Teflon stopcock in pressure equalizing arm.

Cat. No.	Capacity (mL)	Joint Size	Stopcock Bore (mm)	Price
4809-1410	10	14/20	2	160.33
4809-1910	10	19/22	2	160.33
4809-1425	25	14/20	2	160.33
4809-1925	25	19/22	2	162.49
4809-1460	60	14/20	2	162.49
4809-1960	60	19/22	2	162.49
4809-2460	60	24/40	2	188.31
4809-1125	125	14/20	2	172.17
4809-4125	125	24/40	2	190.46
4809-4250	250	24/40	2	201.23

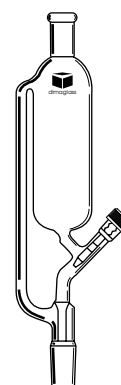


4809

### Funnel, Pressure Equalizing, High Vacuum Valve

Similar to 4803 but with high vacuum valve.

Cat. No.	Capacity (mL)	Joint Size	Price
4811-1425	25	14/20	132.14
4811-1460	60	14/20	132.14
4811-1960	60	19/22	137.20
4811-2460	60	24/40	160.76
4811-1125	125	14/20	137.41
4811-9125	125	19/22	140.64
4811-4125	125	24/40	164.32
4811-4250	250	24/40	178.30



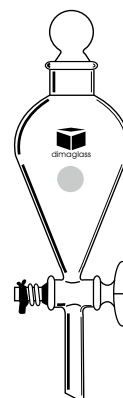
4811

# FUNNELS

## SEPARATORY

### Funnel, Separatory, Squibb, Glass Stopcock

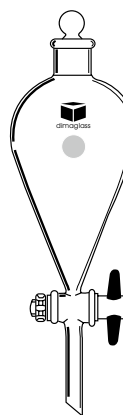
Cat. No.	Capacity (mL)	Stopper Size	Stopcock Bore (mm)	Price
4821-0030	30	13	2	51.97
4821-0060	60	16	2	54.99
4821-0125	125	22	2	64.99
4821-0250	250	22	4	75.11
4821-0500	500	27	4	91.04
4821-7000	1,000	27	4	135.69



4821

### Funnel, Separatory, Squibb, Teflon Stopcock

Cat. No.	Capacity (mL)	Stopper Size	Stopcock Bore (mm)	Price
4823-1330	30	13	2	60.26
4823-1660	60	16	2	62.41
4823-2125	125	22	2	71.02
4823-2250	250	22	4	83.93
4823-7500	500	27	4	97.92
4823-7000	1,000	27	4	130.20
4823-2000	2,000	38	6	189.39

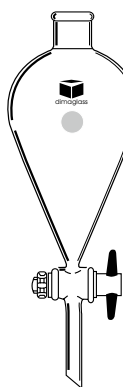


4823

### Funnel, Separatory, Squibb, Teflon Stopcock

Supplied without stopper.

Cat. No.	Capacity (mL)	Stopper Size	Stopcock Bore (mm)	Price
4833-1010	10	14/20	2	55.15
4833-9010	10	19/22	2	55.15
4833-1025	25	14/20	2	57.54
4833-9025	25	19/22	2	57.54
4833-1030	30	14/20	2	57.54
4833-1050	50	14/20	2	59.94
4833-9050	50	19/22	2	59.94
4833-1100	100	14/20	2	64.74
4833-9100	100	19/22	2	64.74
4833-1125	125	14/20	2	69.53
4833-9125	125	19/22	2	69.53
4833-4125	125	24/40	2	71.92
4833-9250	250	19/22	2	71.92
4833-9500	500	19/22	4	76.43
4833-7000	1,000	24/40	4	107.14



4833

# FUNNELS

## SEPARATORY & POWDER

### Funnel, Separatory, Squibb, Teflon Stopcock

Supplied without stopper.

Cat. No.	Capacity (mL)	Stopper & Joint Size	Stopcock Bore (mm)	Price
4835-1010	10	14/20	2	75.65
4835-9010	10	19/22	2	76.72
4835-1025	25	14/20	2	75.65
4835-9025	25	19/22	2	76.72
4835-1050	50	14/20	2	76.72
4835-9050	50	19/22	2	79.41
4835-1100	100	14/20	2	76.72
4835-9100	100	19/22	2	79.41
4835-1125	125	14/20	2	78.02
4835-9125	125	19/22	2	80.71
4835-4125	125	24/40	2	91.47
4835-1250	250	14/20	2	88.78
4835-9250	250	19/22	2	90.17
4835-4250	250	24/40	2	102.23
4835-9500	500	19/22	4	106.32
4835-4500	500	24/40	4	123.21
4835-7000	1,000	24/40	4	195.84

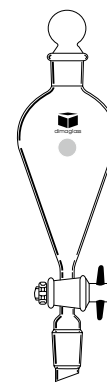


4835

### Funnel, Separatory, Squibb, Teflon Stopcock

Supplied complete with one listed size flask length stopper.

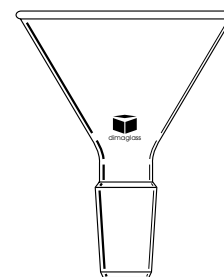
Cat. No.	Capacity (mL)	Joint Size	Stopcock Bore (mm)	Price
4837-1660	60	24/40	2	96.31
4837-2125	125	24/40	2	100.07
4837-2250	250	24/40	4	113.53
4837-7500	500	24/40	4	133.97
4837-7000	1,000	24/40	4	206.61
4837-2000	2,000	24/40	6	256.43



4837

### Funnel, Powder, Inner Joint

Cat. No.	Top Diameter (mm)	Bottom Inner Joint	Price
4851-0501	50	14/20	24.00
4851-0502	50	19/22	25.50
4851-0751	75	24/40	32.39



4851

# FUNNELS

## BUCHNER

### Filter Funnel, Buchner

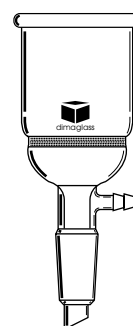
Cat. No.	Capacity (mL)	Porosity	Disc O.D. (mm)	Stem O.D. x Length	Price
4901-0021	2	C	10	6 x 30	28.52
4901-0022	2	M	10	6 x 30	28.52
4901-0151	15	C	20	8 x 50	32.03
4901-0152	15	M	20	8 x 50	32.03
4901-0153	15	F	20	8 x 50	32.03
4901-0300	30	XC	30	8 x 60	36.09
4901-0301	30	C	30	8 x 60	36.09
4901-0302	30	M	30	8 x 60	36.09
4901-0303	30	F	30	8 x 60	36.09
4901-0600	60	XC	40	10 x 60	39.82
4901-0601	60	C	40	10 x 60	39.82
4901-0602	60	M	40	10 x 60	39.82
4901-0603	60	F	40	10 x 60	39.82
4901-1500	150	XC	60	12 x 70	71.08
4901-1501	150	C	60	12 x 70	71.08
4901-1502	150	M	60	12 x 70	71.08



4901

### Filter Funnel, Buchner

Cat. No.	Capacity (mL)	Joint Size	Porosity	Disc O.D. (mm)	Price
4903-2041	15	14/20	C	20	64.28
4903-2042	15	14/20	M	20	64.28
4903-2043	15	14/20	F	20	64.28
4903-4041	15	24/40	C	20	93.24
4903-4042	15	24/40	M	20	93.24
4903-4043	15	24/40	F	20	93.24
4903-2060	30	14/20	XC	30	67.59
4903-2061	30	14/20	C	30	67.59
4903-2062	30	14/20	M	30	67.59
4903-2063	30	14/20	F	30	67.59
4903-4060	30	24/40	XC	30	98.73
4903-4061	30	24/40	C	30	98.73
4903-4062	30	24/40	M	30	98.73
4903-4063	30	24/40	F	30	98.73
4903-2070	60	14/20	XC	40	69.25
4903-2071	60	14/20	C	40	69.25
4903-2072	60	14/20	M	40	69.25
4903-2073	60	14/20	F	40	69.25
4903-4070	60	24/40	XC	40	104.21
4903-4071	60	24/40	C	40	104.21
4903-4072	60	24/40	M	40	104.21
4903-4073	60	24/40	F	40	104.21
4903-4100	150	24/40	XC	60	135.26
4903-4101	150	24/40	C	60	135.26
4903-4102	150	24/40	M	60	135.26
4903-4103	150	24/40	F	60	135.26
4903-5100	150	29/42	XC	60	139.97
4903-5101	150	29/42	C	60	139.97
4903-5102	150	29/42	M	60	139.97



4903

#### Specifications for DimaGlass Fritted Glassware

Porosity	Pore Size
XC (Extra Coarse)	170-220 $\mu$
C (Coarse)	40-60 $\mu$
M (Medium)	10-15 $\mu$
F (Fine)	4-5.5 $\mu$

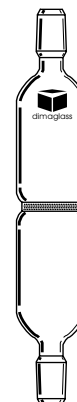


# FUNNELS

## FILTER TUBE

### Filter Tube, Fritted Disc

Cat. No.	Joint Size	Disc O.D. (mm)	Porosity	Price
4911-0201	14/20	20	C	96.81
4911-0202	14/20	20	M	96.81
4911-0301	14/20	30	C	103.22
4911-0302	14/20	30	M	103.22
4911-0361	24/40	36	C	106.57
4911-0362	24/40	36	M	106.57

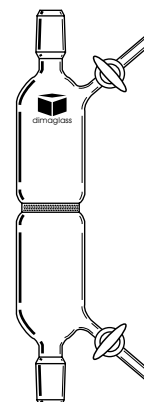


4911

### Filter Tube, Fritted Disc, Glass Stopcock

With 2mm stopcock.

Cat. No.	Joint Size	Disc O.D. (mm)	Porosity	Price
4913-0201	14/20	20	C	170.74
4913-0202	14/20	20	M	170.74
4913-0301	14/20	30	C	170.74
4913-0302	14/20	30	M	170.74
4913-0361	24/40	36	C	205.46
4913-0362	24/40	36	M	205.46

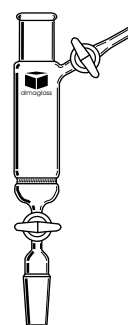


4913

### Filter Tube, Fritted Disc, Glass Stopcock

With 2mm stopcock.

Cat. No.	Joint Size	Disc O.D. (mm)	Porosity	Price
4915-0201	14/20	20	C	183.02
4915-0202	14/20	20	M	183.02
4915-0301	14/20	30	C	185.39
4915-0302	14/20	30	M	185.39
4915-0361	24/40	36	C	194.88
4915-0362	24/40	36	M	194.88



4915

# MICROSCALE

## Adapter, Inlet

Used with 5-7mm O.D. thermometers, bleed tubes, etc.

Cat. No.	Joint Size	Price
5101-1410	14/10	20.78

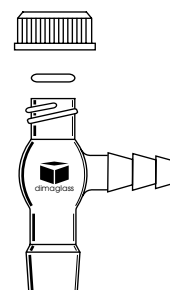


5101

## Adapter, Inlet, Vacuum

Used with 5-7mm O.D. thermometers, bleed tubes, etc., a side hose connection is for vacuum pull off.

Cat. No.	Joint Size	Price
5103-1410	14/10	29.86



5103

## Adapter, Inlet

Used with 5-7mm O.D. thermometers, bleed tubes, etc.

Cat. No.	Joint Size	Price
5105-1410	14/10	28.12



5105

## Adapter, Connecting

Used as a component in vacuum distillations, all joints are 14/10.

Cat. No.	Joint Size	Price
5107-1410	14/10	36.02

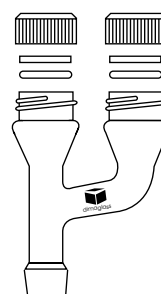


5107

## Adapter, Claisen

Used for addition of reagents to moisture sensitive reactions, all joints are 14/10.

Cat. No.	Joint Size	Price
5109-1410	14/10	36.78

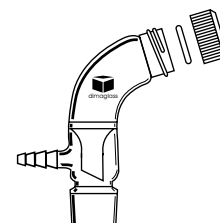


5109

## Adapter, Vacuum Distillation

Used in microscale vacuum distillations, all joints are 14/10.

Cat. No.	Joint Size	Price
5111-1410	14/10	39.05



5111

## Adapter, Inlet

Cat. No.	Joint Size	Price
5113-1410	14/10	14.39

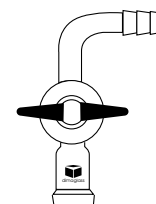


5113

## Adapter, Flow Control, Teflon Stopcock

Used to adjust the input of liquids or gases into reactions.

Cat. No.	Joint Size	Price
5115-1410	14/10	54.54



5115

## Condenser, Air Reflux

Condenser uses the air to emit the heat of the reaction during refluxing. With a top threaded outer joint and bottom inner drip tip joint, all are 14/10.

Cat. No.	Joint Size	Effective Length (mm)	Price
5201-1410	14/10	100	24.75



5201

## Condenser, Air Reflux, Vigreux

Similar to 5201 but with indentation just above the bottom inner joint, both are 14/10.

Cat. No.	Joint Size	Effective Length (mm)	Price
5203-1410	14/10	100	25.83

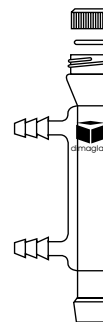


5203

## Condenser, Reflux

With a top threaded outer joint and bottom inner joint, both are 14/10.

Cat. No.	Joint Size	Jacket Length (mm)	Price
5207-1080	14/10	80	47.89

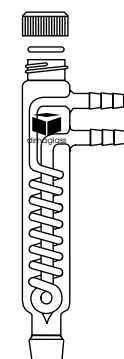


5207

## Condenser, Coil Reflux

Condenser has a tightly wrapped coil providing high cooling capacity, useful with low boiling temperature solvents in vacuum applications. Lower end of the coil is drawn to a point to act as a drip tip. All top outer and bottom inner joint are 14/10.

Cat. No.	Joint Size	Coil Length (mm)	Price
5209-1410	14/10	70	126.98



5209

# MICROSCALE

## Distilling Column, Vigreux

With indentations to improve vapor-liquid contact. Top threaded outer joint and bottom inner joint are 14/10.

Cat. No.	Joint Size	Column Length (mm)	Price
5301-1410	14/10	75	48.42



5301

## Hickman Still Head

Combination of the collection vessel and condenser for simple fractional distillations, top threaded outer joint and bottom inner joint are 14/10.

Cat. No.	Joint Size	Price
5303-1410	14/10	39.05



5303

## Hickman Still Head, Long Stem

Similar to 5303 but with longer stem, top threaded outer joint and bottom inner joint are 14/10.

Cat. No.	Joint Size	Price
5305-1410	14/10	44.36



5305

## Hickman Still Head, with Side Port

Similar to 5303 but with side port, permitting easy removal of distillate via a syringe or Pasteur pipette, top threaded outer joint and bottom inner joint are 14/10.

Cat. No.	Joint Size	Price
5307-1410	14/10	46.59



5307

## Still, Solvent Reflux

The sampling port supplied complete with cap and septa, and 2mm Teflon stop-cock, capacity of collection bulb is 15mL and the flask is 25mL.

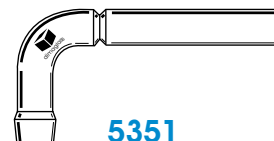
Cat. No.	Joint	Description	Price
5309-0001	14/20	Complete Kit	196.58
Replacement Components:			
5309-1420	14/20	Still Head Only	175.01
4629-2206	14/20	Two Neck Flask, 25mL	38.36



5309

## Drying Tube, 90°

Cat. No.	Joint Size	Price
5351-1410	14/10	18.89



5351

## Flask, Round Bottom

Cat. No.	Joint Size	Capacity (mL)	Price
5401-1005	14/10	5	18.51
5401-1010	14/10	10	18.51
5401-1025	14/10	25	18.51



5401

## Flask, Pear-Shaped

Cat. No.	Joint Size	Capacity (mL)	Price
5403-0005	14/10	5	20.12
5403-1010	14/10	10	20.12
5403-1025	14/10	25	20.12



5403

## Flask, Erlenmeyer

Cat. No.	Joint Size	Capacity (mL)	Price
5405-1005	14/10	5	16.51
5405-1010	14/10	10	17.11
5405-1025	14/10	25	18.33



5405

## Flask, Recovery

Cat. No.	Joint Size	Capacity (mL)	Price
5407-0005	14/10	5	21.63
5407-1010	14/10	10	21.63
5407-1025	14/10	25	21.63



5407

## Flask, Pear-Shaped, 2-Neck

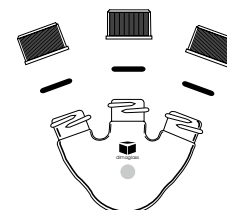
Cat. No.	Joint Size	Capacity (mL)	Price
5409-1010	14/10	10	37.16
5409-1025	14/10	25	37.16



5409

## Flask, Round Bottom, 3-Neck

Cat. No.	Joint Size	Capacity (mL)	Price
5411-1025	14/10	25	51.64
5411-1050	14/10	50	51.64

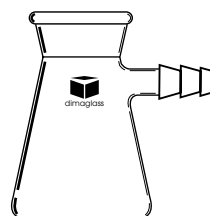


5411

# MICROSCALE

## Flask, Filtering

Cat. No.	Capacity (mL)	Stopper Size	Price
5451-0025	25	3	19.20
5451-0050	50	4	19.20
5451-0125	125	5	21.37



5451

## Filter Funnel, Hirsch

Cat. No.	Porosity	Disc O.D. (mm)	Price
5501-1001	C	10	33.65
5501-1002	M	10	34.89

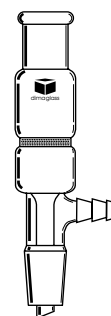


5501

## Funnel, Filter

With 14/20 standard taper bottom inner joint.

Cat. No.	Porosity	Disc O.D. (mm)	Price
5503-1001	C	20	75.69
5503-1002	M	20	75.69



5503

## Recrystallization Tube, Craig

Cat. No.	Capacity (mL)	Price
5571-0001	1	16.38
5571-0002	2	16.38



5571

## Vial, Conical Reaction, Graduated

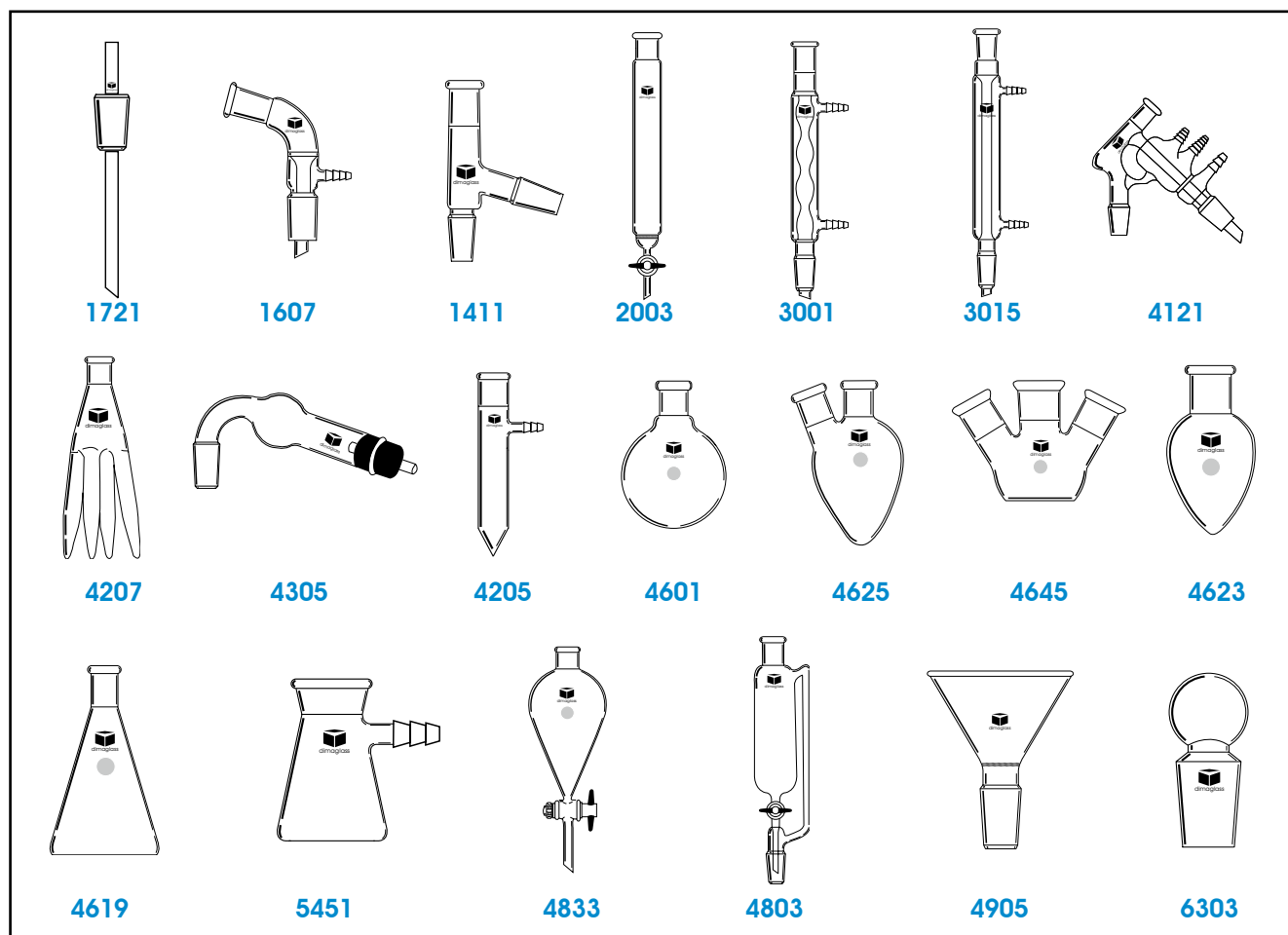
Heavy wall design.

Cat. No.	Joint Size	Capacity (mL)	Price
5601-1003	14/10	3	16.88
5601-1005	14/10	5	16.88
5601-1008	14/10	8	17.98



5601

# MICROSCALE



## Kit, Microscale, 14/20 Joints, 33 Pieces

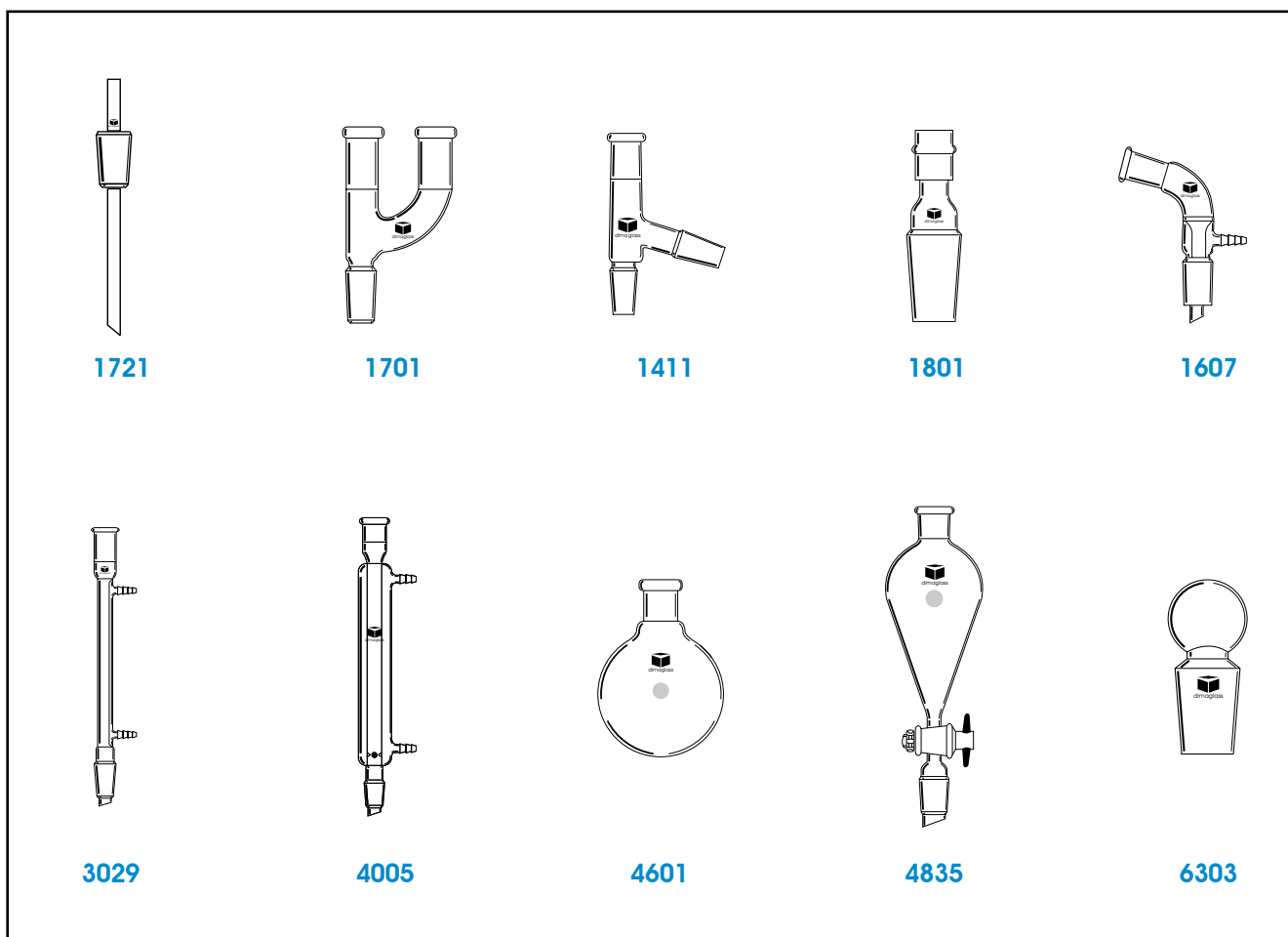
Cat#: 5933-0001

\$974.21

Cat. No.	Description	Qty	Unit Price
1721-1420	Adapter, Bleed Tube	1	14.50
1607-1420	Adapter, Vacuum Take-off, Short Stem, 105°	1	38.17
1411-1420	Adapter, Distillation, 75°	1	34.12
2003-0201	Chrom Column, 203 x 13 mm Teflon Stopcock, w/Fritted Disc	1	81.75
3001-1412	Condenser, Allihn	1	72.61
3015-1412	Condenser, Liebig	1	61.77
4121-1814	Distillation Apparatus	1	137.74
4207-1403	Distillation Cow Receiver	1	118.37
4305-1420	Drying Tube	1	27.20
4205-1412	Filter Tube, 10mL	1	45.71
	<b>Flask, Round Bottom, Single Neck</b>		
4601-1410	10mL	1	17.77
4601-1425	25mL	2	17.77
4601-1450	50mL	2	17.77
4601-1100	100mL	1	17.77

Cat. No.	Description	Qty	Unit Price
4645-2207	Flask, Flat Bottom, Three Neck, Angled, 50mL	1	57.72
	<b>Flask, Pear-Shaped, Single Neck</b>		
4623-1005	5mL	2	18.10
4623-1210	10mL	2	18.10
4625-1150	Flask, Pear-Shaped, Two Neck, 50mL	1	36.26
	<b>Flask, Erlenmeyer</b>		
4619-1425	25mL	1	16.36
4619-1450	50mL	1	16.36
5451-0025	Flask, Filter, for #3 Stopper, 25mL	1	19.20
4833-1025	Funnel, Separatory, Teflon Stopcock, 25mL	1	57.54
4803-1410	Funnel, Pressure Equalizing, Teflon Stopcock, 10mL	1	108.68
4905-2042	Funnel, Filter, with Fritted Disc	1	42.09
6303-1420	Stopper, Penny-head, Glass	5	12.05

# MICROSCALE



**Kit, Microscale, 19/22 Joints, 14 Pieces**

**Cat#: 5933-0002**

**\$425.79**

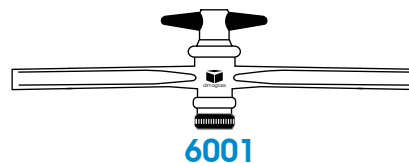
Cat. No.	Description	Qty	Unit Price
1721-0000	Adapter, Bleed Tube	1	16.08
1701-1922	Adapter, Claisen	1	44.98
1411-1922	Adapter, Distillation Connecting	1	36.64
1801-1922	Adapter, Inlet or Thermometer	1	14.26
1607-1922	Adapter, Vacuum Take-off, 105°	1	40.26
3029-1919	Condenser, West	1	60.44
4005-1920	Distillation Column, Water Jacketed	1	60.22
<b>Flask, Round Bottom, Single Neck</b>			
4601-1925	25mL	1	17.99
4601-1950	50mL	1	17.88
4601-9100	100mL	1	17.88
4601-9250	250mL	1	23.91
4601-9500	500mL	1	27.97
4835-9125	Funnel, Separatory, Squibb, 125mL	1	80.71
6303-1922	Stopper, Penny-head, Glass	1	13.88



# STOPCOCKS

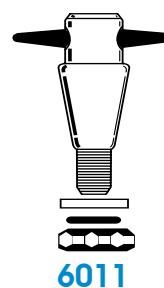
## Stopcock, Straight Bore, Teflon

Cat. No.	Bore (mm)	Plug Size (mm)	Stem O.D. (mm)	Price
6001-1102	2	11/25	8	32.28
6001-1504	4	15.2/30	10	48.85
6001-1506	6	18.8/38	12	60.58



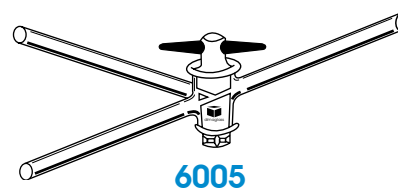
## Replacement Plug for 6001

Cat. No.	Bore (mm)	Plug Size (mm)	Price
6011-1102	2	11/25	12.56
6011-1504	4	15.2/30	17.29
6011-1506	6	18.8/38	21.16



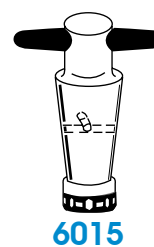
## Stopcock, T-Bore, Teflon

Cat. No.	Bore (mm)	Plug Size (mm)	Stem O.D. (mm)	Price
6005-1102	2	15.2/30	8	71.24
6005-1504	4	16/35	10	85.66



## Replacement Plug for 6005

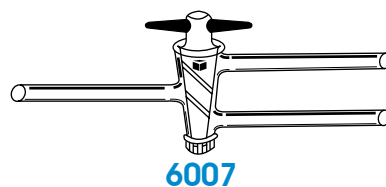
Cat. No.	Bore (mm)	Plug Size (mm)	Price
6015-1102	2	15.2/30	28.14
6015-1504	4	16/35	33.79



# STOPCOCKS

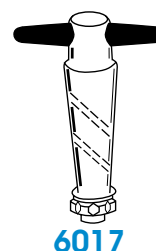
## Stopcock, Double Oblique Bore, Teflon

Cat. No.	Bore (mm)	Plug Size (mm)	Stem O.D. (mm)	Price
6007-1302	2	12.9/44	8	68.33
6007-1504	4	14.4/44	10	79.95
6007-1656	4	16.2/56	10	88.30



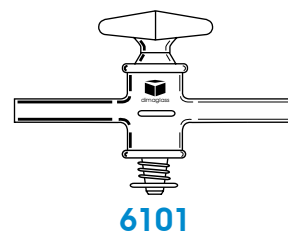
## Replacement Plug for 6007

Cat. No.	Bore (mm)	Plug Size (mm)	Price
6017-1302	2	12.9/44	34.69
6017-1504	4	14.4/44	32.03
6017-1656	4	16.2/56	34.04



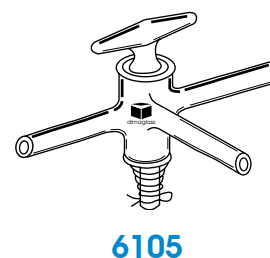
## Stopcock, Straight Bore, Glass

Cat. No.	Bore (mm)	Plug Size (mm)	Stem O.D. (mm)	Price
6101-1230	2	12/30	8	39.81
6101-1740	4	17/40	10	47.35
6101-2044	6	20/44	12	60.28



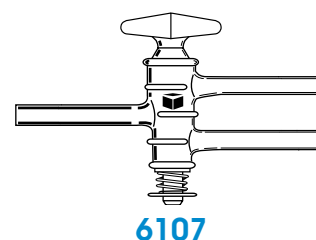
## Stopcock, T-Bore, Glass

Cat. No.	Bore (mm)	Plug Size (mm)	Stem O.D. (mm)	Price
6105-1230	2	12/30	8	71.34
6105-1740	4	17/40	10	76.83
6105-2044	6	20/44	12	80.88



## Stopcock, Double Oblique Bore, Glass

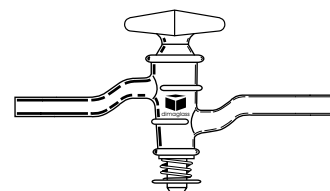
Cat. No.	Bore (mm)	Plug Size (mm)	Stem O.D. (mm)	Price
6107-1656	4	16.2/56	10	118.26



# STOPCOCKS

## Stopcock, Single Oblique Bore, Glass

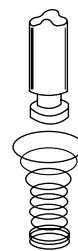
Cat. No.	Bore (mm)	Plug Size (mm)	Stem O.D. (mm)	Price
6109-1656	4	17.35/50	10	74.25



6109

## Replacement Stainless Steel Retention Kit

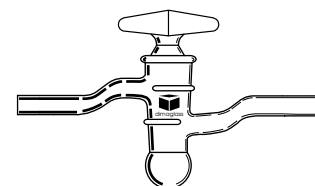
Cat. No.	For Plug Size (mm)	Price
6121-1230	12/30	2.21
6121-1740	16.2/56, 17/40 & 17.35/50	2.21



6121

## Stopcock, Glass, Hollow Plug, Oblique, High Vacuum

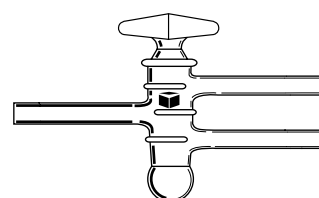
Cat. No.	Bore (mm)	Plug Size (mm)	Stem O.D. (mm)	Price
6131-1750	4	17.35/50	10	95.99



6131

## Stopcock, Glass, Hollow Plug Double Oblique, High Vacuum

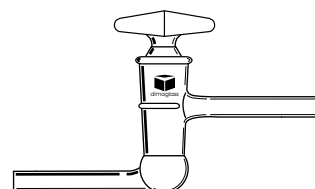
Cat. No.	Bore (mm)	Plug Size (mm)	Stem O.D. (mm)	Price
6133-1656	4	16.2/56	10	145.27



6133

## Stopcock, Glass, Hollow Plug, Offset, High Vacuum

Cat. No.	Bore (mm)	Plug Size (mm)	Stem O.D. (mm)	Price
6135-1754	4	17.35/50	10	85.66

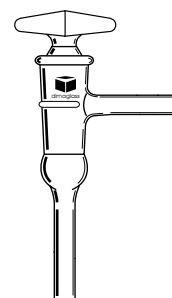


6135

# STOPCOCKS

## Stopcock, Glass, Hollow Plug, 90°, High Vacuum

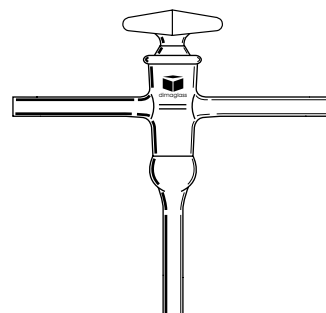
Cat. No.	Bore (mm)	Plug Size (mm)	Stem O.D. (mm)	Price
6137-1754	4	17.35/50	10	85.76



6137

## Stopcock, Glass, Hollow Plug, T-Type , High Vacuum

Cat. No.	Bore (mm)	Plug Size (mm)	Stem O.D. (mm)	Price
6139-1240	2	12.6/40	8	80.43
6139-1754	4	17.35/50	10	93.73



6139

## Stopper, Penny-head, Glass, Hollow

With standard taper inner joint and heavy wall design.

Cat. No.	Joint Size	Price
6301-1018	10/18	12.51
6301-1030	10/30	12.51
6301-1410	14/10	12.40
6301-1420	14/20	12.40
6301-1922	19/22	14.92
6301-1926	19/26	14.92
6301-2440	24/40	15.69
6301-2429	24/29	15.69
6301-2942	29/42	19.53



6301

## Stopper, Penny-head, Glass, Solid

With standard taper inner joint.

Cat. No.	Joint Size	Price
6303-1018	10/18	12.05
6303-1030	10/30	12.05
6303-1420	14/20	12.05
6303-1922	19/22	13.88
6303-2440	24/40	14.63



6303

## Stopper, Penny-head, Flask Length, Glass

Heavy wall design.

Cat. No.	Joint Size	Price
6305-0009	9	5.38
6305-0013	13	5.70
6305-0016	16	6.80
6305-0019	19	8.01
6305-0022	22	8.67
6305-0027	27	10.97
6305-0032	32	14.81
6305-0038	38	19.88



6305

## Stopper, Cap Design

For use with inner joint.

Cat. No.	Joint Size	Price
6307-1420	14/20	13.99
6307-1922	19/22	15.60
6307-2440	24/40	19.37

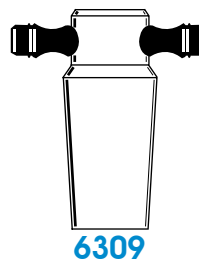


6307

# STOPPERS & CONNECTING TUBES

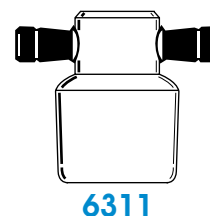
## Stopper, Teflon

Cat. No.	Joint Size	Price
6309-1420	14/20	23.14
6309-1922	19/22	24.10
6309-2425	24/25	26.38
6309-2440	24/40	27.76
6309-3445	34/45	30.35



## Stopper, Flask Length, Teflon

Cat. No.	Joint Size	Price
6311-0013	13	14.63
6311-0016	16	16.68
6311-0022	22	19.15
6311-0027	27	28.52
6311-0038	38	53.05



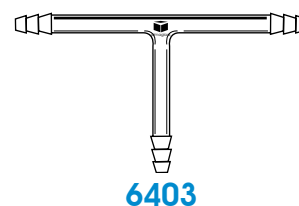
## Tube, Connecting, Y-Shape

Cat. No.	Tubing O.D. (mm)	Price
6401-0800	8	17.88
6401-1000	10	19.42
6401-1200	12	20.95



## Tube, Connecting, T-Shape

Cat. No.	Tubing O.D. (mm)	Price
6403-0800	8	14.26
6403-1000	10	15.80



# VACUUM APPARATUS

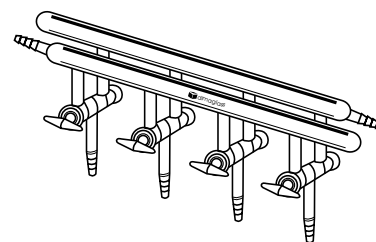
## MANIFOLDS

### Manifold, Vacuum/Inert, Double

#### Hollow Glass Stopcocks

With 4mm double oblique, high vacuum hollow glass stopcocks, main tube is 16mm O.D. and 10mm hose connections.

Cat. No.	Ports	Overall Width (mm)	Stopcock Bore (mm)	Price
7001-1003	3	280	4	504.06
7001-1004	4	365	4	654.89
7001-1005	5	450	4	797.27
7001-1006	6	550	4	938.21



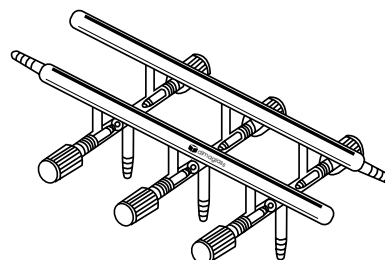
7001

### Manifold, Vacuum/Inert, Double

#### High Vacuum Valve

With 0-4mm high vacuum valves, main tube is 16mm O.D. and 10mm hose connections.

Cat. No.	Ports	Overall Width (mm)	Valve Orifice	Price
7003-1003	3	300	0-4	577.88
7003-1004	4	400	0-4	693.39
7003-1005	5	490	0-4	783.34



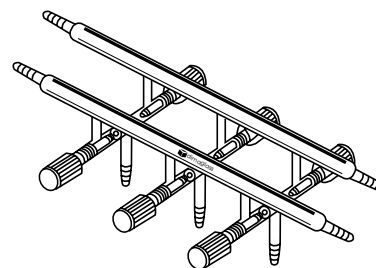
7003

### Manifold, Vacuum/Inert, Double

#### High Vacuum Valve

With 0-4mm high vacuum valves, main tube is 16mm O.D. and 10mm hose connections.

Cat. No.	Ports	Overall Width (mm)	Valve Orifice	Price
7005-1003	3	300	0-4	588.85
7005-1004	4	400	0-4	704.36
7005-1005	5	490	0-4	794.31



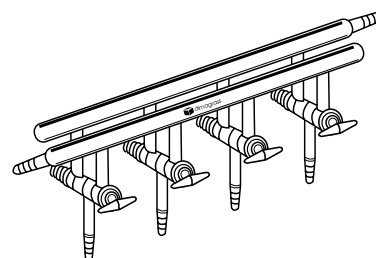
7005

### Manifold, Vacuum/Inert, Double

#### Solid Glass Stopcocks

With 4mm double oblique, high vacuum glass stopcocks, main tube is 16mm O.D. and 10mm hose connections.

Cat. No.	Ports	Overall Width (mm)	Stopcock Bore (mm)	Price
7007-0003	3	295	4	504.06
7007-0004	4	380	4	654.89
7007-0005	5	465	4	797.27



7007

# VACUUM APPARATUS

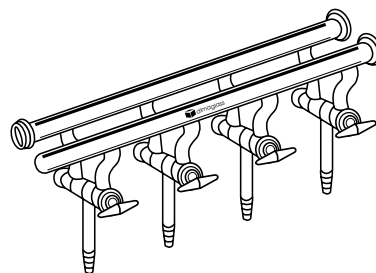
## MANIFOLDS

### Manifold, Double, Hollow Glass Stopcocks

#### Spherical Joints

With 35/20 ball joints and 4mm double oblique, high vacuum hollow glass stopcocks, main tube is 16mm O.D., and 10mm hose connections.

Cat. No.	Ports	Overall Width (mm)	Stopcock Bore (mm)	Price
7009-0003	3	280	4	509.54
7009-0004	4	365	4	660.37
7009-0005	5	450	4	802.76



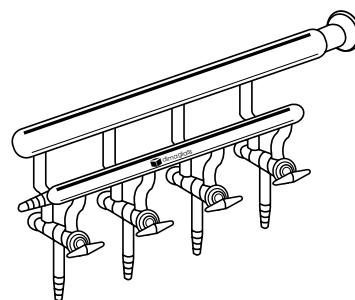
7009

### Manifold, Double, Hollow Glass Stopcocks

#### Right Hand Side

With 35/20 socket joints and 4mm double oblique, high vacuum hollow glass stopcocks, the small tube is 16mm O.D., the large tube is 30mm O.D. and 10mm hose connections.

Cat. No.	Ports	Overall Width (mm)	Stopcock Bore (mm)	Price
7011-0004	4	365	4	610.98



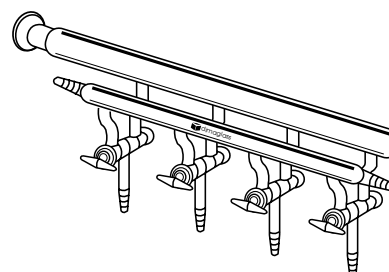
7011

### Manifold, Double, Hollow Glass Stopcocks

#### Left Hand Side

With 35/20 socket joints and 4mm double oblique, high vacuum hollow glass stopcocks, the small tube is 16 mm O.D., the large tube is 30mm O.D. and 10mm hose connections.

Cat. No.	Ports	Overall Width (mm)	Stopcock Bore (mm)	Price
7013-0004	4	365	4	610.98



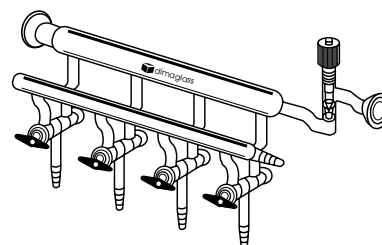
7013

### Manifold, Double, Teflon Stopcocks

#### High Vacuum Valve Socket Joint

With 35/20 socket joints and 0-8 mm high vacuum valve, the small tube is 16mm O.D. and the large tube is 30mm O.D. and 10mm hose connections.

Cat. No.	Ports	Overall Width (mm)	Stopcock Bore (mm)	Price
7015-0004	4	365	4	693.39



7015



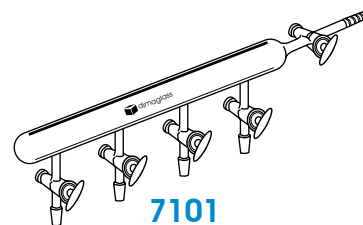
# VACUUM APPARATUS

## MANIFOLDS

### Manifold, Single, Solid Glass Stopcocks

With 4mm bore high vacuum solid glass stopcocks and inner joints, main tube is 30mm O.D. and 10mm hose connections.

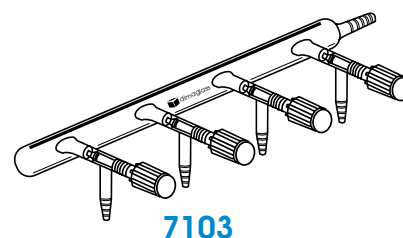
Cat. No.	Ports	Stopcock Bore (mm)	Joint Size	Price
7101-1420	4	4	14/20	549.90
7101-2440	4	4	24/40	586.55



### Manifold, Single, High Vacuum Valves

With high vacuum valves, main tube is 30mm O.D. and 10mm hose connections.

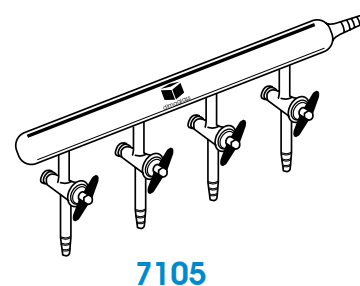
Cat. No.	Ports	Overall Width (mm)	Valve Orifice	Price
7103-2403	3	260	0-4	485.41
7103-2404	4	330	0-4	539.27
7103-2405	5	440	0-4	594.56



### Manifold, Single, Teflon Stopcocks

With 2 or 4mm bore Teflon stopcocks, main tube is 30mm O.D. and 10mm hose connections.

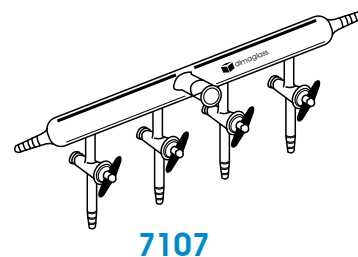
Cat. No.	Ports	Stopcock Bore (mm)	Price
7105-0042	4	2	281.64
7105-0044	4	4	324.70
7105-0062	6	2	422.46
7105-0064	6	4	470.60



### Manifold, N<sub>2</sub>/Ar Line, Teflon Stopcocks

Main tube is 30mm O.D. and 10mm hose connections.

Cat. No.	Ports	Stopcock Bore (mm)	Joint Size	Price
7107-1042	4	2	14/20	293.27
7107-1044	4	4	14/20	335.67



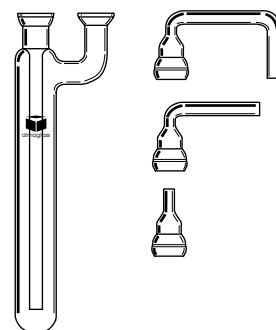
# VACUUM APPARATUS

## VACUUM TRAPS

### Vacuum Trap, Spherical Joints

With removable adapters

Cat. No.	Joint Size	Description	Price
<b>7301-5035</b>		Vacuum Trap Kit, Complete	229.63
Replacement Components:			
<b>7301-5036</b>	35/20	Vacuum Trap body only	109.87
<b>7301-5037</b>	35/20	Top Adapter	31.85
<b>7301-5038</b>	35/20	Middle Adapter	28.95
<b>7301-5039</b>	35/20	Bottom Adapter	20.34

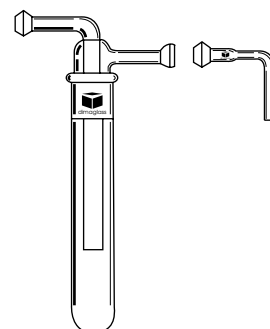


7301

### Vacuum Trap, Spherical Joints

For use with vacuum manifolds, length is 250mm.

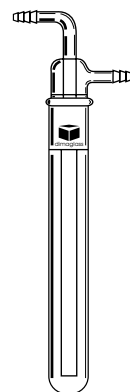
Cat. No.	Joint Size	Description	Price
<b>7303-5044</b>		Vacuum Trap Kit, Complete	155.84
Replacement Components:			
<b>7303-5045</b>	45/50	Vacuum Trap	143.84
<b>7303-3518</b>	35/20	Pump Adapter w/outer ball joint	28.77



7303

### Vacuum Trap

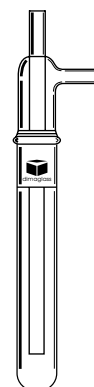
Cat. No.	Joint Size	Hose O.D. (mm)	Price
<b>7351-2440</b>	24/40	10	90.82
<b>7351-2942</b>	29/42	10	90.82
<b>7351-3445</b>	34/45	12	103.41
<b>7351-4550</b>	45/50	12	117.40



7351

### Vacuum Trap

Cat. No.	Joint Size	Side Tube O.D. (mm)	Price
<b>7353-2440</b>	24/40	10	82.64
<b>7353-3445</b>	34/45	13	94.26
<b>7353-4050</b>	40/50	16	109.01
<b>7353-4550</b>	45/50	22	118.68

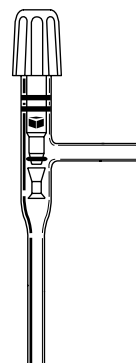


7353

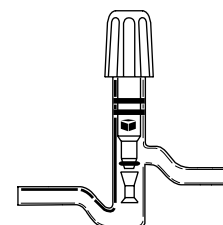
# VALVES, HIGH VACUUM

## Valve, Teflon, High Vacuum, 90°

Cat. No.	Valve Orifice (mm)	Price
6201-0004	0-4	52.62
6201-0008	0-8	86.30



6201



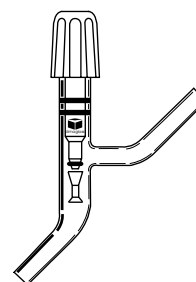
6203

## Valve, Teflon, High Vacuum, 180°

Cat. No.	Valve Orifice (mm)	Price
6203-0004	0-4	61.98
6203-0008	0-8	91.10

## Valve, Teflon, High Vacuum, Low Hold-Up

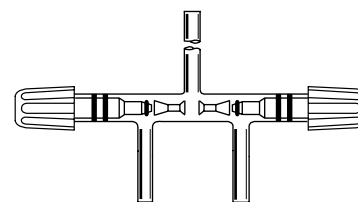
Cat. No.	Valve Orifice (mm)	Price
6205-0004	0-4	60.26
6205-0008	0-8	93.62



6205

## Valve, Teflon, High Vacuum, Three-Way

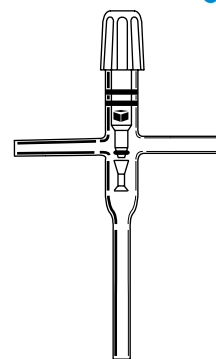
Cat. No.	Valve Orifice (mm)	Price
6207-0004	0-4	123.75
6207-0008	0-8	168.94



6207

## Valve, Teflon, High Vacuum, T-type

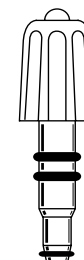
Cat. No.	Valve Orifice (mm)	Price
6209-0004	0-4	74.32
6209-0008	0-8	100.69



6209

## Replacement Plug, Teflon Stem

Cat. No.	Valve Orifice (mm)	Price
6211-0004	0-4	37.66
6211-0008	0-8	39.56
6211-010V	High Vacuum Valve O-ring Replacement, 10/pk	6.90

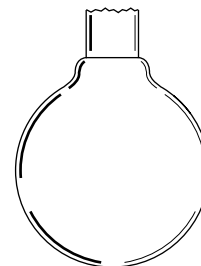


6211

# GLASSBLOWING ACCESSORIES

## Flask Blank, Single Neck, Round Bottom

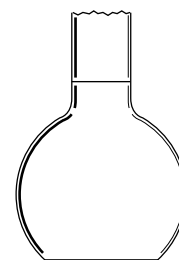
Cat. No.	Capacity (mL)	Price
4602-0025	25	7.91
4602-0050	50	8.50
4602-0100	100	8.50
4602-0125	125	9.68
4602-0150	150	12.91
4602-0250	250	16.70
4602-0300	300	17.22
4602-0500	500	18.38



4602

## Flask Blank, Single Neck, Flat Bottom

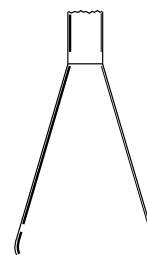
Cat. No.	Capacity (mL)	Price
4604-0050	25	14.39
4604-0125	125	14.53
4604-0250	250	15.06
4604-0500	500	17.43
4604-1000	1,000	22.11



4604

## Flask Blank, Erlenmeyer

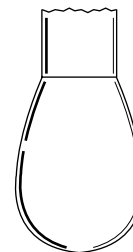
Cat. No.	Capacity (mL)	Price
4618-0125	125	5.38
4618-0250	250	7.00
4618-0500	500	7.21
4618-1000	1,000	11.83



4618

## Flask Blank, Recovery

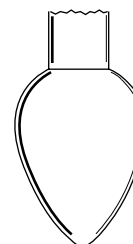
Cat. No.	Capacity (mL)	Price
4622-0010	10	5.49
4622-0025	25	7.53
4622-0050	50	8.93
4622-0100	100	10.44
4622-0250	250	16.57
4622-0500	500	19.91



4622

## Flask Blank, Single Neck, Pear-Shaped

Cat. No.	Capacity (mL)	Price
4624-0010	10	6.67
4624-0025	25	7.86
4624-0050	50	8.39
4624-0100	100	12.59
4624-0250	250	32.17
4624-0500	500	34.43

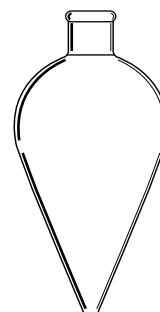


4624

# GLASSBLOWING ACCESSORIES

## Funnel, Separatory

Cat. No.	Capacity (mL)	Price
4822-0030	30	20.34
4822-0060	60	24.21
4822-0125	125	32.82
4822-0250	250	37.12
4822-0500	500	48.42
4822-1000	1,000	50.32
4822-2000	2,000	125.28



4822

## Ground Joints, Inner

Inner joints, medium / full length.

Cat. No.	Joint Size	Price
6501-1030	10/30	6.03
6501-1420	14/20	7.32
6501-1435	14/35	7.57
6501-1922	19/22	7.86
6501-1938	19/38	8.62
6501-2440	24/40	8.93
6501-2429	24/29	8.93
6501-2942	29/42	9.36
6501-3445	34/45	12.70
6501-4050	40/50	16.14
6501-4550	45/50	19.46



6501

## Ground Joints, Outer

Outer joints, medium / full length.

Cat. No.	Joint Size	Price
6503-1030	10/30	8.29
6503-1420	14/20	8.39
6503-1435	14/35	8.62
6503-1922	19/22	9.04
6503-1938	19/38	9.92
6503-2440	24/40	10.12
6503-2429	24/29	10.12
6503-2942	29/42	11.08
6503-3445	34/45	14.31
6503-4050	40/50	19.15
6503-4550	45/50	21.55



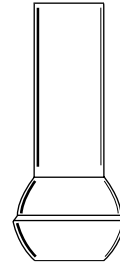
6503

# GLASSBLOWING ACCESSORIES

## Spherical Joints, Ball

Inner joint, medium / full length.

Cat. No.	Joint Size	Price
6511-3520	35/20	11.51

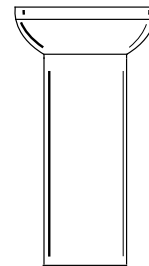


6511

## Spherical Joints, Socket

Outer joint, medium / full length.

Cat. No.	Joint Size	Price
6513-3520	35/20	11.30

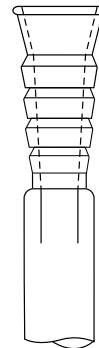


6513

## Hose Connection, Direct Sealing

Connections are tooled to form a flare. Serrations are tooled on both ends of a 195mm length of tubing, 10 serrated connectors per package (5 pieces tooled on both ends).

Cat. No.	Number of Rings	Tubing O.D. (mm)	Price
6701-0008	3	8	30.56
6701-0010	3	10	30.56
6701-0012	4	12	33.08

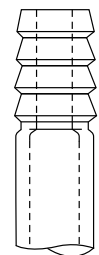


6701

## Hose Connection

Serrations are tooled on both ends of a 195mm length of tubing, 10 serrated connectors per package (5 pieces tooled on both ends).

Cat. No.	Number of Rings	Tubing O.D. (mm)	Price
6703-0008	3	8	27.14
6703-0010	3	10	27.14
6703-0012	4	12	28.19



6703

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		Kalraz .....	E.I. DuPont

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