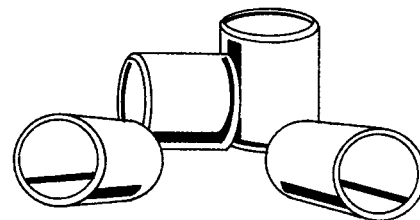


# DISTILLING, DRYING APPARA-

## CG-1283 DISTILLING COLUMN PACKING, RASCHING RINGS

Rings are made of borosilicate glass and sold in one pound packages.

Part Number	O.D. x Length (mm)
CG-1283-01	6 x 6
CG-1283-02	7 x 7
CG-1283-03	8 x 8
CG-1283-04	12 x 12



CG-1283

## CG-1284 DISTILLING COLUMN PACKING, PORCELAIN BERL SADDLES

Porcelain berl saddles having an O.D. of 6mm. Ideal for vacuum distillation, absorption and extraction. Saddles provide a highly useable surface area, lower gas flow resistance and excellent internal distribution. Available in packages of 200cc and 1000cc boxes.

Part Number	Package Size (cc)	Pieces/Pkg.
CG-1284-01	200	250
CG-1284-02	1000	1250



CG-1284

## CG-1101 BEADS, BOROSILICATE GLASS

Solid borosilicate spheres can be used as distillation column packing, boiling stones or to provide support for chromatography columns used in gel filtrations. Beads have excellent chemical resistance. Packed in boxes containing one pound.

Part Number	O.D. (mm)	Approx. Pcs. per lb.
CG-1101-06	1	135,000
CG-1101-01	2	46,000
CG-1101-02	3	12,500
CG-1101-03	4	5,500
CG-1101-04	5	3,000
CG-1101-05	6	1,500



CG-1101

## CG-1289 DRYING APPARATUS, ABDERHALDEN

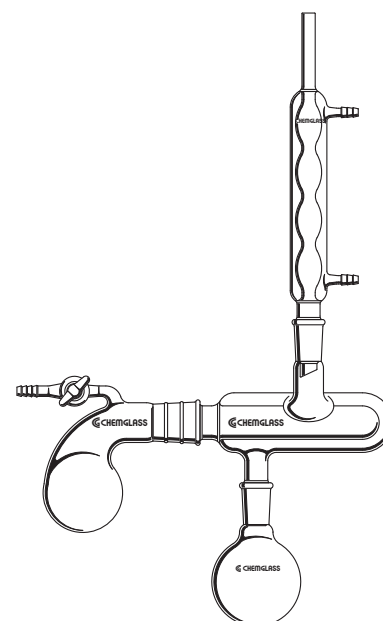
Abderhalden style for drying samples at a temperature as a function of the solvent boiling point. The desiccant flask has a 34/45 outer joint for connection to the drying chamber. All other joints are 24/40. Complete apparatus consists of a desiccant flask, drying chamber, round bottom flask and Allihn condenser.

### Complete Receiver:

Part Number	Approx. Height x Width (mm)
CG-1289-01	740 x 350

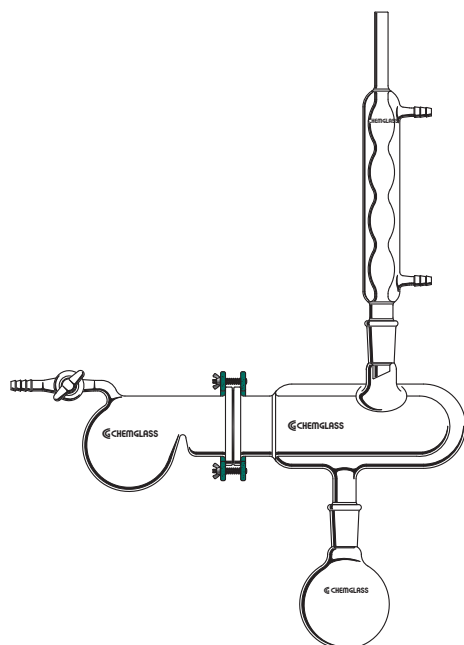
### Replacement components:

Part Number	Description
CG-1289-02	Drying Chamber Only
CG-1289-03	Desiccant Flask
CG-1207-03	Condenser, Allihn, 300mm
CG-1506-17	Boiling Flask, 250ml
CG-400-96	Replacement 4mm Glass Plug



CG-1289

# DRYING APPARATUS



**CG-1290**

## CG-1290 DRYING APPARATUS, ABDERHALDEN, MODIFIED

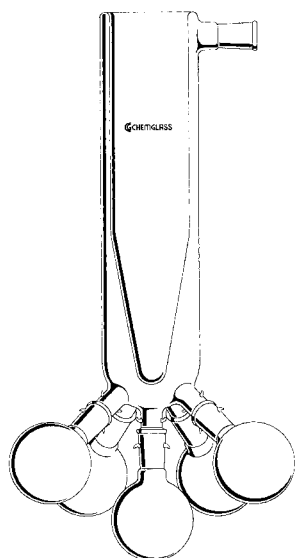
Modified Abderhalden drying apparatus with a 57mm flat o-ring connection between the desiccant flask and the drying chamber to permit easy sample removal after drying. The drying chamber has an I.D. of 2" and is 8" long. The desiccant flask has a 4mm glass stopcock and a serrated connection for the vacuum source. The flask and condenser joints are 24/40. Complete apparatus consists of a drying chamber, desiccant flask, condenser, clamp and Viton o-ring.

### Complete Apparatus:

Part Number	Approx. Height x Width (mm)
CG-1290-05	695 x 435

### Replacement components:

Part Number	Description
CG-1290-06	Drying Chamber Only
CG-1290-07	Desiccant Flask
CG-1207-03	Condenser, Allihn, 300mm
CG-1506-17	Boiling Flask, 250ml
CG-139-02	Horseshoe Clamp, 57mm
CG-305-331	Replacement #331 Viton o-ring
CG-400-96	Replacement 4mm Glass Plug



**CG-1291**

## CG-1291 DRYING APPARATUS, FREEZE

Freeze dry apparatus has 500mL recovery style lyophilizing flasks with a hose connection at the top of the condenser for connection to vacuum source. The 500mL condenser has five 34/45 outer joints, one being at the center bottom for condensate collection while the other four are spaced equally around the lower side wall of the jacket. All joints are equipped with hooks for use with the supplied stainless steel springs. Complete apparatus consists of a condenser, lyophilizing flasks and stainless steel springs.

### Complete Apparatus:

Part Number	Capacity (mL)	Depth of Center Well (mm)	Number of Flasks	Flask Spacing
CG-1291-01	250	250	4	120°
CG-1291-02	500	500	5	90°

### Replacement components:

Part Number	Description
CG-1291-03	Condenser Chamber, 250mL
CG-1291-04	Condenser Chamber, 500mL
CG-1291-05	Lyophilizing Flask, 500mL, 34/45
CG-110-03	Stainless steel springs, 25mm, Pkg. of 10

# DRYING APPARATUS

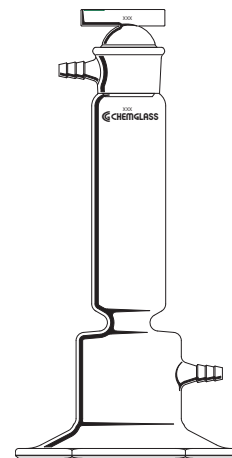
## CG-1292 DRYING TOWER

Cylindrical shaped drying tower has a 34/28 ground glass stopper. The stopper has a hole coinciding with a serrated hose connection sealed in the outer portion of the stopper neck and a second hose connection near the base of the cylinder. A hex base is sealed to the bottom of the tower for added stability.

Part Number	Approx. Overall Height (mm)
CG-1292-05	250
CG-1292-06	300

### Replacement components:

Part Number	Description
CG-1292-10	34/28 Replacement Stopper



CG-1292

## CG-1293 DRYING TUBE, STRAIGHT

Vertical drying tube with a beaded top and lower inner joint.

Part Number	Joint Size
CG-1293-14	14/20
CG-1293-19	19/22



CG-1293

## CG-1294 DRYING TUBE, STRAIGHT

Similar to CG-1293 but with the addition of a top standard taper outer joint of the same size as the lower inner joint.

Part Number	Joint Size
CG-1294-14	14/20
CG-1294-19	19/22

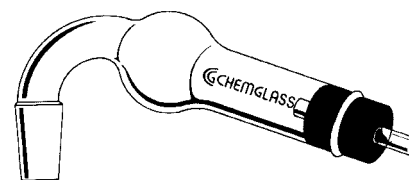


CG-1294

## CG-1295 DRYING TUBE, 75°

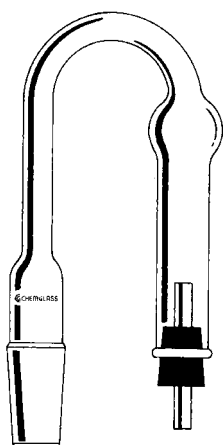
The 75° angle drying tube is for use in fume hoods where space is at a minimum. Supplied complete with rubber stopper, glass inlet tube, and a lower inner joint.

Part Number	Joint Size	Rubber Stopper Size
CG-1295-14	14/20	#00
CG-1295-19	19/22	#00
CG-1295-01	24/40	#3
CG-1295-02	29/42	#3



CG-1295

# DRYING APPARATUS

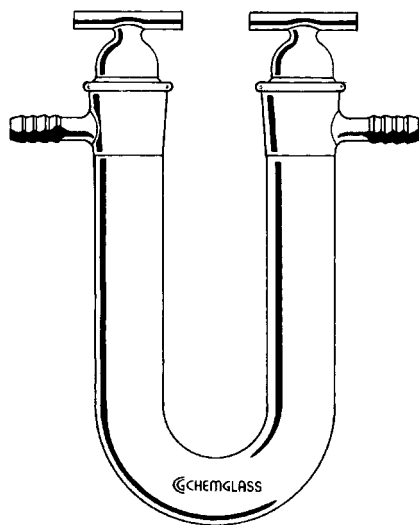


**CG-1296**

## CG-1296 DRYING TUBE, "U" SHAPED

"U" shaped drying tube supplied complete with rubber stopper, glass inlet tube, and a lower inner joint.

<u>Part Number</u>	<u>Joint Size</u>	<u>Rubber Stopper Size</u>
CG-1296-14	14/20	#00
CG-1296-19	19/22	#00
CG-1296-01	24/40	#3
CG-1296-02	29/42	#3



**CG-1297**

## CG-1297 DRYING TUBE, SCHWARTZ

Schwartz type drying tube having 14/20 hollow stoppers. Stoppers have a hole that aligns with a serrated hose connection for on/off action. Overall height is approximately 170mm.

<u>Part Number</u>	<u>Approx. Overall Height (mm)</u>
CG-1297-01	145 x 130