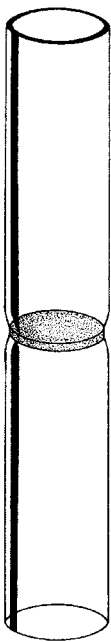


GLASSBLOWING BLANKS



CG-202

CG-202 GLASSBLOWERS, FRITTED TUBE, STRAIGHT

Cylindrical tube with a centered, sealed in fritted disc, used to construct special apparatus.

<u>Part Number</u>	<u>Disc OD (mm)</u>	<u>Porosity</u>	<u>Tube OD (mm)</u>
CG-202-01	10	F	13
CG-202-02	10	M	13
CG-202-03	10	C	13
CG-202-04	10	XC	13
CG-202-05	20	F	25
CG-202-06	20	M	25
CG-202-07	20	C	25
CG-202-08	20	XC	25
CG-202-09	30	F	35
CG-202-10	30	M	35
CG-202-11	30	C	35
CG-202-12	30	XC	35
CG-202-13	40	F	45
CG-202-14	40	M	45
CG-202-15	40	C	45
CG-202-16	40	XC	45
CG-202-17	50	F	54
CG-202-18	50	M	54
CG-202-19	50	C	54
CG-202-20	50	XC	54
CG-202-30	60	F	70
CG-202-31	60	M	70
CG-202-32	60	C	70
CG-202-33	60	XC	70

GLASSBLOWING BLANKS

CG-199 REMOVABLE TFE DELIVERY STEM

Removable TFE delivery stem virtually eliminates the breakage normally associated with standard glass stem stopcocks. Made entirely of TFE, the stem attaches directly to the glass thread without o-rings or other gaskets. Glassware equipped with this stem can survive repeated forceful strikes to the stem without breakage. They have also been dropped from a height of 3 feet without breakage, so long as the initial impact was received by the TFE stem. **US Patent Number: 5,580,528.**

TFE Stems:

Removable TFE delivery stem. Sold in packages of 10 each.

Part Number	Description	Pkg Qty
CG-199-01	GL-14 TFE Stem	10
CG-199-02	GL-18 TFE Stem	10

Glass Threads:

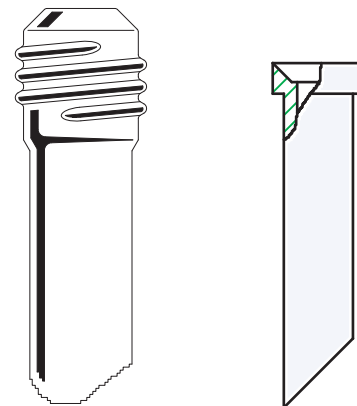
Glass thread for removable TFE stem. Tooled double ended, 205mm long. Sold in packages of 10 each (5 double ended).

Part Number	Description	Pkg Qty
CG-199-10	GL-14 Glass Thread	10
CG-199-11	GL-18 Glass Thread	10

Screw Caps:

Screw cap with aperture. Made of PBTE with a temperature range of -45 to 200° C.

Part Number	Description
CG-195-01	GL-14 Screw Cap
CG-195-02	GL-18 Screw Cap



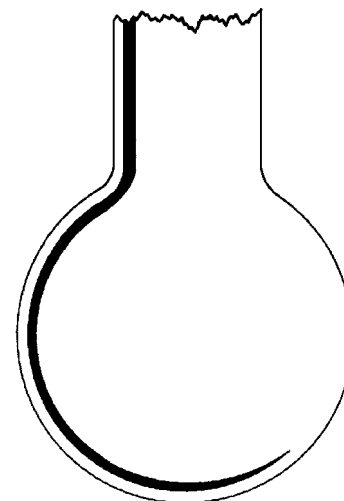
CG-199

CG-618 GLASSBLOWERS FLASK BLANK, ROUND BOTTOM

Blanks for fabrication of single or multi-neck round bottom flasks. NOTE: NECK IS UNFINISHED, FLASK CANNOT BE USED WITHOUT MODIFICATION OF NECK. For Heavy Wall blanks, see CG-618-HW.

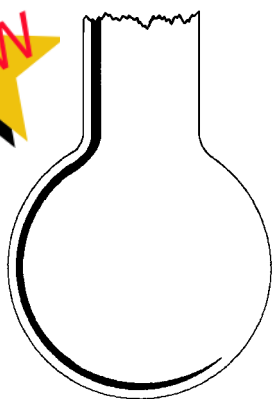
Part Number	Capacity (mL)
CG-618-01	25
CG-618-02	50
CG-618-03	100
CG-618-04	125
CG-618-05	150
CG-618-07	200
CG-618-06	250
CG-618-08	300
CG-618-09	500
CG-618-10	1000

Part Number	Capacity (L)
CG-618-11	2
CG-618-12	3
CG-618-13	5
CG-618-18	6
CG-618-19	10
CG-618-14	12
CG-618-15	20
CG-618-16	50
CG-618-17	72



CG-618

GLASSBLOWING BLANKS

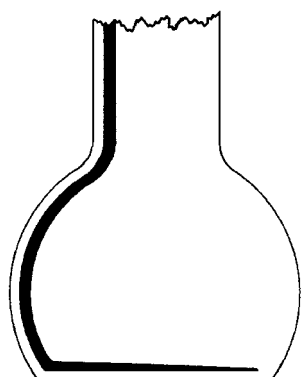


CG-618-HW

CG-618-HW GLASSBLOWERS FLASK BLANK, HEAVY WALL, ROUND BOTTOM

Heavy Wall blanks are 30% heavier than our standard CG-618 series. Blanks are used in the fabrication of single or multi-neck round bottom flasks. **NOTE: NECK IS UNFINISHED, FLASK CANNOT BE USED WITHOUT MODIFICATION OF NECK.**

Part Number	Capacity (mL)
CG-618-06HW	250
CG-618-09HW	500
CG-618-10HW	1000
CG-618-11HW	2000
CG-618-12HW	3000
CG-618-13HW	5000

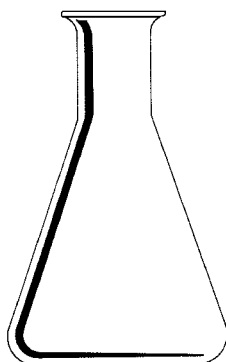


CG-619

CG-619 GLASSBLOWERS FLASK BLANK, FLAT BOTTOM

Blanks for fabrication of single or multi-neck flat bottom flasks. **NOTE: NECK IS UNFINISHED, FLASK CANNOT BE USED WITHOUT MODIFICATION OF NECK.**

Part Number	Capacity (mL)	Part Number	Capacity (L)
CG-619-01	50	CG-619-05	1
CG-619-02	125	CG-619-06	2
CG-619-03	250	CG-619-07	6
CG-619-04	500		

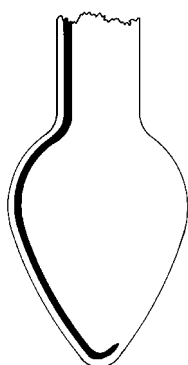


CG-620

CG-620 GLASSBLOWERS FLASK BLANK, ERLENMEYER

Blanks for fabrication of Erlenmeyer shaped flasks. **NOTE: NECK IS UNFINISHED, FLASK CANNOT BE USED WITHOUT MODIFICATION OF NECK.**

Part Number	Capacity (mL)	Part Number	Capacity (L)
CG-620-01	10	CG-620-07	1
CG-620-02	25	CG-620-08	2
CG-620-03	50	CG-620-11	3
CG-620-04	125	CG-620-09	4
CG-620-05	250	CG-620-10	6
CG-620-12	300		
CG-620-06	500		



CG-621

CG-621 GLASSBLOWERS FLASK BLANK, PEAR SHAPE

Blanks for fabrication of pear-shaped flasks. **NOTE: NECK IS UNFINISHED, FLASK CANNOT BE USED WITHOUT MODIFICATION OF NECK.**

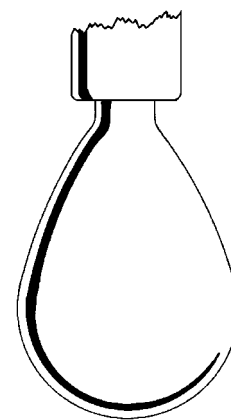
Part Number	Capacity (mL)	Part Number	Capacity (mL)
CG-621-01	10	CG-621-04	100
CG-621-02	25	CG-621-05	250
CG-621-03	50	CG-621-06	500

GLASSBLOWING BLANKS

CG-622 GLASSBLOWERS FLASK BLANK, RECOVERY

Blanks for fabrication of recovery flasks. **NOTE: NECK IS UNFINISHED, FLASK CANNOT BE USED WITHOUT MODIFICATION OF NECK.**

Part Number	Capacity (mL)	Part Number	Capacity (mL)
CG-622-01	10	CG-622-05	200
CG-622-02	25	CG-622-06	500
CG-622-03	50	CG-622-07	1000
CG-622-04	100	CG-622-08	2000

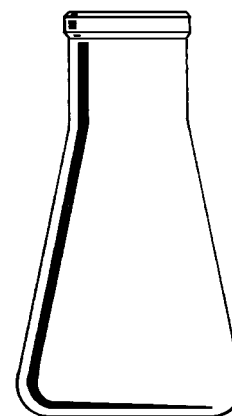


CG-622

CG-623 GLASSBLOWERS FLASK BLANK, HEAVY WALL, FILTER FLASK

Extra heavy, unmarked blanks for fabrication of filter apparatus. Top has a tooled finish to accept a rubber stopper or neoprene filter adapter.

Part Number	Capacity (mL)	Rubber Stopper Size
CG-623-01	250	#7
CG-623-02	500	#7
CG-623-03	1000	#10
CG-623-04	2000	#12



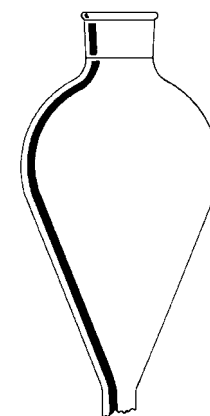
CG-623

CG-624 GLASSBLOWERS SEPARATORY FUNNEL BLANK

Squibb shape separatory blank complete with tooled and finish ground stopper neck top. Lower portion of blank is unfinished and requires a stopcock to be sealed.

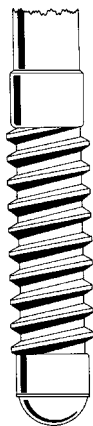
NOTE: SUPPLIED WITHOUT STOPPER.

Part Number	Capacity (mL)	Stopper Size
CG-624-01	30	16
CG-624-02	60	16
CG-624-03	125	22
CG-624-04	250	22
CG-624-05	500	27
CG-624-06	1000	27
CG-624-07	2000	38

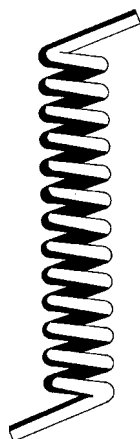


CG-624

GLASSBLOWING BLANKS-GRADED SEALS



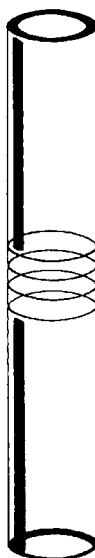
CG-625



CG-627



CG-306



CGQ-0310

CG-625 GLASSBLOWERS FRIEDRICH CONDENSER BLANK

Molded inner cold finger for use in fabrication of Friedrich style condensers. Overall length is 230mm with an outside diameter of 45mm. **NOTE: TOP IS UNFINISHED.**

Part
Number
CG-625-01

CG-627 GLASSBLOWERS, COIL, CONDENSER

For use in construction of spiral or Graham style condensers. Coils can be sealed together to form longer lengths.

Part Number	Tubing OD (mm)	Coil Dimensions OD x Length (mm)
CG-627-01	4	14 x 75
CG-627-02	8	28 x 280

CG-306 GRADED SEAL, KOVAR TO BOROSILICATE

For connection of borosilicate glass components to metal. Kovar length is 25mm on all sizes, while the borosilicate tubing **is approximately** 100mm.

Part Number	Kovar OD (in)
CG-306-01	1/8
CG-306-02	3/16
CG-306-03	1/4
CG-306-05	3/8
CG-306-06	1/2
CG-306-09	1

CGQ-0310 GRADED SEAL, QUARTZ TO BOROSILICATE

Graded seals have 3" of quartz sealed to 4" of borosilicate.

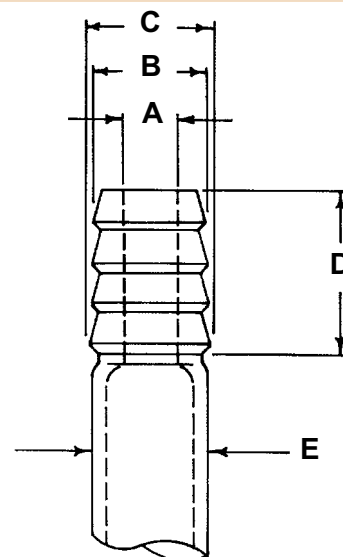
Part Number	ID x OD (mm)	Part Number	ID x OD (mm)
CGQ-0310-01	2 x 4	CGQ-0310-11	12 x 14
CGQ-0310-02	3 x 5	CGQ-0310-12	13 x 15
CGQ-0310-03	4 x 6	CGQ-0310-13	14 x 16
CGQ-0310-04	5 x 7	CGQ-0310-14	15 x 17
CGQ-0310-05	6 x 8	CGQ-0310-15	16 x 18
CGQ-0310-06	7 x 9	CGQ-0310-16	17 x 19
CGQ-0310-07	8 x 10	CGQ-0310-17	18 x 20
CGQ-0310-08	9 x 11	CGQ-0310-18	20 x 22
CGQ-0310-09	10 x 12	CGQ-0310-20	22 x 25
CGQ-0310-10	11 x 13	CGQ-0310-21	25 x 28
		CGQ-0310-22	27 x 30

HOSE CONNECTIONS

CG-300 GLASSBLLOWERS HOSE CONNECTIONS

Serrations are tooled on both ends of an 8" length of tubing. Hose connections are SOLD IN PACKAGES OF 10 SERRATED CONNECTORS (5 pieces tooled on both ends).

Part Number	# of Rings	Dimensions (mm)				
		"A"	"B"	"C"	"D"	"E"
CG-300-21	4	2.5	6.5	8	20	8
CG-300-01	3	3.0	8.0	9	16	8
CG-300-02	4	5.0	10.0	11	20	10
CG-300-22	6	6.0	12.0	14	26	12
CG-300-03	4	8.5	13.5	15.5	20	12
CG-300-04	4	10.0	14.5	16.5	20	16
CG-300-05	4	14.0	19.0	20.5	20	19
CG-300-06	4	20.0	25.0	27.5	22	22

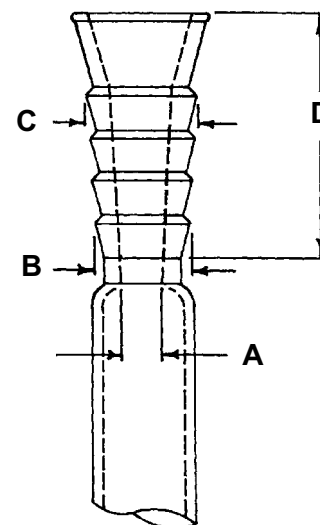


CG-300

CG-301 GLASSBLLOWERS HOSE CONNECTION, DIRECT SEALING

Connections are tooled to form a flare for sealing directly to apparatus using the tubing as a holder. Serrations are tooled on both ends of an 8" length of tubing. Hose connections are SOLD IN PACKAGES OF 10 SERRATED CONNECTORS (5 pieces tooled on both ends).

Part Number	# of Rings	Dimensions (mm)				
		"A"	"B"	"C"	"D"	"E"
CG-301-01	3	4.0	8.0	10	18	10
CG-301-02	4	5.0	12.0	14	24	12
CG-301-10	4	3.0	8.0	11	20	11
CG-301-03	4	8.0	13.5	16	30	16
CG-301-04	7	10.0	22.0	27	56	25

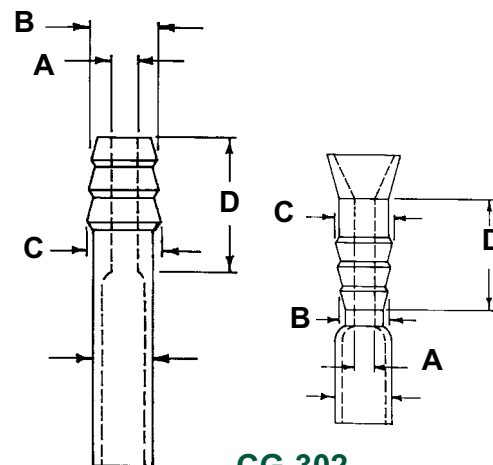


CG-301

CG-302 GLASSBLLOWERS HOSE CONNECTION, MICRO

Used to construct small scale apparatus. Available in direct sealing or regular style. Serrations are tooled on both ends of an 8" length of tubing. Hose connections are SOLD IN PACKAGES OF 10 SERRATED CONNECTORS (5 pieces tooled on both ends).

Part Number	# of Rings	Dimensions (mm)				Type
		"A"	"B"	"C"	"D"	
CG-302-01	3	3.5	8	10	18	Direct Sealing
CG-302-02	3	3.5	8	10	18	Regular



CG-302