

Dewar Flasks



CRYOFAB



Dewar Flasks



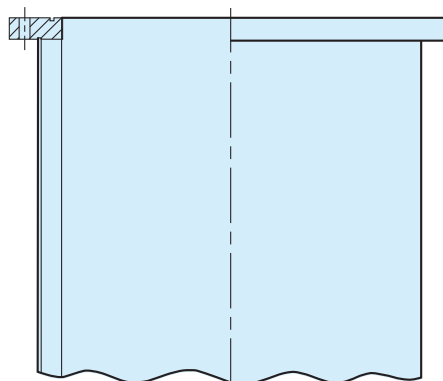
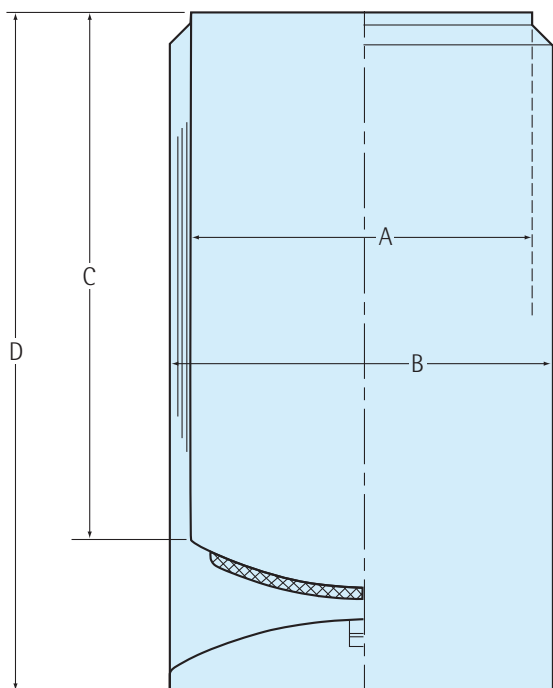
One word can be used to describe this product line... "flexible." With the capability to fabricate sizes from 2.5" up to 96" I.D. and depths to 20 feet this product can fulfill many different applications.

Historically dewar flasks have been a lab tool. Today this product has found its way into the outer reaches of industry. Old-fashioned quality coupled with the latest techniques in thermal efficiency is Cryofab's claim for each dewar flask manufactured. Double-wall, all-stainless-steel construction along with multilayer insulation in a vacuum guarantees a durable, efficient product. Listed opposite are the many standard sizes to choose from. This does not begin to scratch the surface as to the many different configurations that have been fabricated over the years.

Options include:

- Foam insulated lids
- Flanged tops
- Metal or plastic cover plates
- Bottom drains
- Built-in fill and sensor ports
- Windows
- Lifting lugs
- Rigid welded handles
- Flap-down handles
- Caster-mounted, welded or removable dolly

See the back page of this brochure for examples.



Optional – Flanged Top

Specifications

Standard Flask

Model	"A" Inside Diameter (Inches)	"B" Outside Diameter (Inches)	"C" Inner Depth (Inches)	"D" Overall Height (Inches)	Gross Capacity (Liters)	Loss Rate (Liters/ Hr)	Liters/ Inch
CF310	2.96	3.57	10.0	13.0	1.126	.088	.112
CF3512	3.46	4.07	12.0	15.0	1.846	.082	.153
CF412	3.96	4.57	12.0	15.0	2.418	.094	.201
CF418	3.96	4.57	18.0	21.0	3.618	.075	.201
CF4515	4.46	5.07	15.0	18.0	3.834	.093	.255
CF4524	4.46	5.07	24.0	27.0	6.135	.074	.255
CF4536	4.46	5.07	36.0	39.0	9.180	.065	.255
CF612	5.96	6.60	12.0	16.0	5.478	.143	.456
CF618	5.96	6.60	18.0	22.0	8.217	.114	.456
CF624	5.96	6.60	24.0	28.0	10.956	.099	.456
CF636	5.96	6.60	36.0	40.0	16.434	.086	.456
CF7512	7.46	8.10	12.0	16.0	8.582	.178	.715
CF7518	7.46	8.10	18.0	22.0	12.874	.140	.715
CF7524	7.46	8.10	24.0	28.0	17.165	.125	.715
CF7536	7.46	8.10	36.0	40.0	25.748	.108	.715
CF8512	8.46	9.10	12.0	16.0	11.038	.205	.919
CF8518	8.46	9.10	18.0	22.0	16.557	.163	.919
CF8524	8.46	9.10	24.0	28.0	22.076	.142	.919
CF8536	8.46	9.10	36.0	40.0	33.114	.123	.919
CF9512	9.46	10.13	12.0	16.0	13.801	.230	1.150
CF9518	9.46	10.13	18.0	22.0	20.702	.183	1.150
CF9524	9.46	10.13	24.0	28.0	27.603	.160	1.150
CF9536	9.46	10.13	36.0	40.0	41.405	.138	1.150
CF10518	10.43	11.13	18.0	23.0	25.889	.200	1.438
CF10524	10.43	11.13	24.0	29.0	34.519	.176	1.438
CF10536	10.43	11.13	36.0	41.0	51.779	.153	1.438
CF12518	12.43	13.13	18.0	23.0	35.742	.242	1.985
CF12524	12.43	13.13	24.0	29.0	47.656	.211	1.985
CF12536	12.43	13.13	36.0	41.0	71.485	.183	1.985
CF1418	13.93	16.00	18.0	23.0	44.889	.420	2.493
CF1424	13.93	16.00	24.0	29.0	59.852	.340	2.493

Model	"A" Inside Diameter (Inches)	"B" Outside Diameter (Inches)	"C" Inner Depth (Inches)	"D" Overall Height (Inches)	Gross Capacity (Liters)	Loss Rate (Liters/ Hr)	Liters/ Inch
CF1436	13.93	16.0	36.0	41.0	89.779	.265	2.493
CF1518	14.93	18.0	18.0	23.0	51.565	.450	2.864
CF1524	14.93	18.0	24.0	29.0	68.754	.370	2.864
CF1536	14.93	18.0	36.0	41.0	103.131	.284	2.864
CF1618	15.93	18.0	18.0	23.0	58.704	.478	3.261
CF1624	15.93	18.0	24.0	29.0	78.273	.394	3.261
CF1636	15.93	18.0	36.0	41.0	117.409	.30	3.261
CF1818	17.93	20.0	18.0	23.0	74.371	.420	4.131
CF1824	17.93	20.0	24.0	29.0	99.161	.353	4.131
CF1836	17.93	20.0	36.0	41.0	148.742	.278	4.131
CF2024	19.90	22.0	24.0	29.0	122.148	.392	5.089
CF2036	19.90	22.0	36.0	41.0	183.222	.310	5.089
CF2224	21.90	24.0	24.0	29.0	147.934	.432	6.163
CF2236	21.90	24.0	36.0	41.0	221.902	.341	6.163
CF2242	21.90	24.0	42.0	47.0	258.846	.313	6.163
CF2424	23.90	26.0	24.0	29.0	176.188	.472	7.341
CF2436	23.90	26.0	36.0	41.0	264.232	.372	7.341
CF2442	23.90	26.0	42.0	47.0	308.322	.342	7.341
CF2624	25.90	28.0	24.0	30.0	155.182	.861	8.621
CF2636	25.90	28.0	36.0	42.0	310.365	.562	8.621
CF2642	25.90	28.0	42.0	48.0	362.082	.514	8.621
CF2836	27.90	30.0	36.0	42.0	360.148	.610	10.004
CF2842	27.90	30.0	42.0	48.0	420.173	.554	10.004
CF3036	29.73	32.0	36.0	42.0	408.943	.650	11.359
CF3042	29.73	32.0	42.0	48.0	477.100	.593	11.359

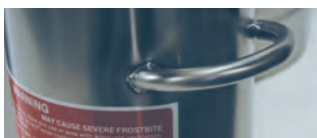
- NOTE:**
1. Inner depth indicates the depth at full diameter; depth to center is slightly greater.
 2. Loss rate is on average value assuming the dewar was run from full to empty with an insulated lid. Instantaneous values are dependent on liquid level.
 3. When ordering, please specify whether for use with dry ice, liquid gas or high temperature.
 4. Depths as well as diameters can be altered to individual requirements with corresponding price adjustments.



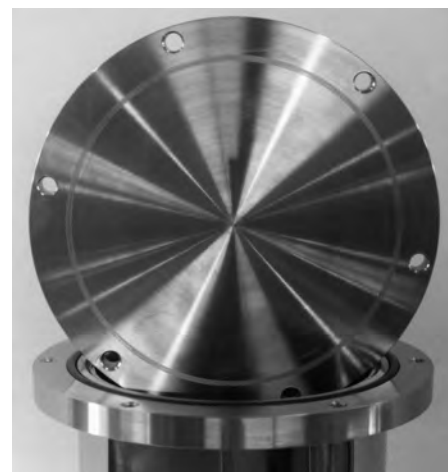
Dewar Flask Options



Flap-Down or Rigid Handles



Flanged Top



Cover Plate



Caster-Mounted



View Ports



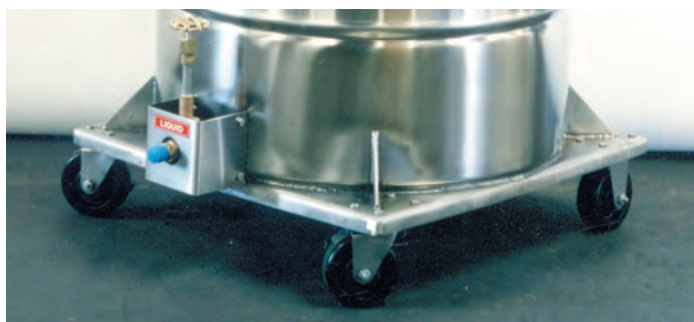
Lifting Lug

Through customer requests and needs, a gamut of options are now available.

- Foam insulated lids
- Flanged tops to make this unit a closed system
- Metal or plastic cover plates
- Bottom drains allow vessels to be emptied without a pump
- Built-in fill and sensor ports inside the vacuum space for unobtrusive access and efficient autofill
- Windows for a bird's-eye view of your experiments
- Lifting lugs
- Rigid welded handles
- Flap-down handles
- Caster-mounted, welded or removable dolly



Foam Insulated Lids



Bottom Drain



CRYOFAB

540 North Michigan Avenue, P.O. Box 485
 Kenilworth, NJ 07033
 908-686-3636 • FAX: 908-686-9538
 1-800-426-2186
 www.cryofab.com
 sales@cryofab.com

Don't See It?
 Call us for our unique custom design and engineering capabilities.