

Industrial



Pharmaceutical



Qorpak[®] Essentials

Environmental



Academic



VALULINE BOTTLES

CLEAR BOSTON ROUNDS

Capacity oz (ml)	Neck Finish	Item #	Qty
with White Polypropylene F217 & PTFE Caps Attached			
1 (30)	20-400	239203	48
2 (60)	20-400	239204	24
4 (120)	22-400	239205	24
8 (240)	24-400	239206	24
16 (480)	28-400	239207	12
32 (960)	33-400	239202	12

AMBER BOSTON ROUNDS

Capacity oz (ml)	Neck Finish	Item #	Qty
with White Polypropylene F217 & PTFE Caps Attached			
2 (60)	20-400	239191	24
4 (120)	22-400	239193	24
8 (240)	24-400	239195	24
16 (480)	28-400	239196	12
32 (960)	33-400	239190	12

WIDE MOUTH CLEAR FRENCH SQUARES

Capacity oz. (ml)	Neck Finish	Item #	Qty
1 (30)	24-400	02992402	48
2 (60)	28-400	02992308	48
4 (120)	33-400	02992335	24
8 (240)	43-400	02992233	24
16 (480)	48-400	02992271	24
32 (960)	58-400	02992922	12

AMBER WIDE MOUTH PACKERS

Capacity oz (ml)	Neck Finish	Item #	Qty
with White Polypropylene F217 & PTFE Caps Attached			
1 (30)	28-400	239209	24
2 (60)	33-400	239210	24
4 (120)	38-400	239211	24
8.5 (250)	45-400	239213	24
17 (500)	53-400	239214	12
32 (950)	53-400	239215	12
42 (1250)	70-400	239216	6
84 (2500)	70-400	239208	12

CLEAR STRAIGHT SIDED ROUNDS

Capacity oz (ml)	Neck Finish	Item #	Qty
with White Polypropylene F217 & PTFE Caps Attached			
1 (30)	43-400	239223	48
2 (60)	53-400	239224	24
4 (120)	58-400	239225	24
6 (180)	63-400	239227	24
8 (240)	70-400	02993027	24
16 (480)	89-400	02992840	12
32 (960)	89-400	02992824	12

GRADUATED MEDIUM ROUNDS

Capacity oz (ml)	Neck Finish	Item #	Qty
with White Polypropylene F217 & PTFE Caps Attached			
1 (30)	33-400	239219	48
2 (60)	38-400	239220	48
4 (120)	48-400	239221	24
8 (240)	58-400	239217	24
16 (480)	70-400	239218	24

WHITE PP F217 & PTFE LINED CAPS

Neck Finish	Style	Item #	Qty
20-400	Ribbed	02991542	10,225
22-400	Ribbed	02991377	8,500
24-400	Ribbed	02991312	6,500
28-400	Ribbed	239080	5,000
33-400	Ribbed	239081	4,000
38-400	Ribbed	239082	2,900
43-400	Ribbed	239083	2,200
45-400	Ribbed	239084	2,000
48-400	Ribbed	239085	1,700
53-400	Ribbed	239086	1,300
58-400	Ribbed	239087	1,100
63-400	Ribbed	239088	900
70-400	Ribbed	239089	760
89-400	Ribbed	239090	456



GLASS BOTTLES

AMBER BOSTON ROUNDS

		Convenience Pack		Bulk Pack	
Capacity oz (ml)	Neck Finish	Item #	Qty	Item #	Qty
Bottle Only					
1/2 (15)	18-400	-	-	02993004	720
1 (30)	20-400	-	-	02991424	432
2 (60)	20-400	02992321	24	02991797	288
4 (120)	22-400	02992307	24	361010376	160
8 (240)	24-400	02992260	24	02991830	108
16 (480)	28-400	02992255	12	02991863	60
17 (500)	38-439	02991287	24	-	-
32 (960)	33-400	02992358	12	02993034	30
33 (1000)	33-430	02991332	12	02991890	30
with Green Thermoset F217 & PTFE Caps Attached					
1 (30)	20-400	-	-	02992383	432
2 (60)	20-400	02993036	24	02992033	288
4 (120)	22-400	02993039	24	02992633	160
8 (240)	24-400	02993062	24	02991862	108
16 (480)	28-400	02993022	12	02992021	60
32 (960)	33-400	02992458	12	02992815	30
33 (1000)	33-430	02993175	12	-	-
with Black Phenolic Pulp/Vinyl Caps Attached					
1/2 (15)	18-400	-	-	02992249	720
1 (30)	20-400	-	-	02991676	432
2 (60)	20-400	02993114	24	02991359	288
4 (120)	22-400	02993134	24	02991794	160
8 (240)	24-400	02993119	24	02991490	108
16 (480)	28-400	02993077	12	02991419	60
32 (960)	33-400	02992468	12	02992040	30
with Black Phenolic PolyCone Caps Attached					
1/2 (15)	18-400	-	-	02992891	720
1 (30)	20-400	-	-	02991993	432
2 (60)	20-400	02993254	24	02991912	288
4 (120)	22-400	02993138	24	02992141	160
8 (240)	24-400	02993143	24	02991866	108
16 (480)	28-400	02993117	12	02991848	60
32 (960)	33-400	02992476	12	02992816	30
with Black Phenolic Rubber Lined Caps Attached					
1/2 (15)	18-400	-	-	02992503	720
2 (60)	20-400	02993113	24	02991703	288
4 (120)	22-400	02993112	24	02991881	160
8 (240)	24-400	02993078	24	02991612	108
16 (480)	28-400	02992484	12	02991807	60
32 (960)	33-400	02992464	12	02992472	30
with Black Phenolic Pulp/Tin Foil Caps Attached					
1 (30)	20-400	-	-	02991778	432
2 (60)	20-400	02992568	24	02991297	288
4 (120)	22-400	02993111	24	02991515	160
8 (240)	24-400	02993116	24	02991380	108
16 (480)	28-400	02992477	12	02991480	60
32 (960)	33-400	02992478	12	02992252	30

CLEAR BOSTON ROUNDS

		Convenience Pack		Bulk Pack	
Capacity oz (ml)	Neck Finish	Item #	Qty	Item #	Qty
Bottle Only					
1 (30)	20-400	02991949	48	02991724	432
2 (60)	20-400	02992745	24	02991941	288
4 (120)	22-400	02992519	24	02992165	160
8 (240)	24-400	02992770	24	02991831	108
16 (480)	28-400	02993172	12	02992351	60
32 (960)	33-400	02993126	12	-	-
with Green Thermoset F217 & PTFE Caps Attached					
1 (30)	20-400	02992501	48	02991926	432
2 (60)	20-400	02992642	24	02992167	288
4 (120)	22-400	02992556	24	02992377	160
8 (240)	24-400	02992696	24	02991962	108
16 (480)	28-400	02992268	12	02992209	60
32 (960)	33-400	02992146	12	-	-
with Black Phenolic Pulp/Vinyl Caps Attached					
1 (30)	20-400	02992661	48	02991486	432
2 (60)	20-400	02992740	24	02992600	288
4 (120)	22-400	02992632	24	02991746	160
8 (240)	24-400	02992746	24	02991623	108
16 (480)	28-400	02992201	12	02991789	60
32 (960)	33-400	02992267	12	-	-
with Black Phenolic PolyCone Caps Attached					
1 (30)	20-400	02992753	48	02992035	432
2 (60)	20-400	02992839	24	02992894	288
4 (120)	22-400	02992731	24	02992314	160
8 (240)	24-400	02992849	24	02991904	108
16 (480)	28-400	02992208	12	02991945	60
32 (960)	33-400	02992186	12	-	-
with Black Phenolic Rubber Lined Caps Attached					
1 (30)	20-400	02992656	48	02991817	432
2 (60)	20-400	02992274	24	02992812	288
4 (120)	22-400	02993016	24	02991833	160
8 (240)	24-400	02992708	24	02991753	108
16 (480)	28-400	02992140	12	02992270	60
32 (960)	33-400	02992199	12	-	-
with Black Phenolic Pulp/Tin Foil Caps Attached					
1 (30)	20-400	02992662	48	02991610	432
2 (60)	20-400	02992738	24	02992688	288
4 (120)	22-400	02992650	24	02991578	160
8 (240)	24-400	02992844	24	02991454	108
16 (480)	28-400	02992204	12	02991861	60
32 (960)	33-400	02992279	12	-	-
with White PP Hole Cap & Bonded PTFE/Silicone Septa Attached					
16 (480)	28-400	02991349	12	02992713	60
32 (960)	33-400	02991382	12	-	-



GLASS BOTTLES

AMBER WIDE MOUTH PACKERS

		Convenience Pack		Bulk Pack	
Capacity oz (ml)	Neck Finish	Item #	Qty	Item #	Qty
Bottle Only					
.20 (6)	20-400	-	-	02992936	720
.25 (8)	20-400	-	-	02993302	912
.33 (10)	20-400	-	-	02992929	720
.50 (15)	28-400	-	-	02992636	624
1 (30)	28-400	02991852	24	02991725	432
2 (60)	33-400	02991992	24	02992350	216
4 (120)	38-400	02992796	12	02991808	180
5 (150)	45-400	-	-	02992263	108
8.5 (250)	45-400	02992182	24	02991829	84
10 (300)	53-400	-	-	02992039	96
17 (500)	53-400	02992592	12	02991779	60
32 (950)	53-400	02992925	12	02993047	36
42 (1250)	70-400	02993018	6	02993306	24
84 (2500)	70-400	02993216	12	-	-
with Green ThermoSet F217 & PTFE Caps Attached					
.20 (6)	20-400	-	-	02992697	720
.25 (8)	20-400	-	-	02992882	912
.50 (15)	28-400	02992631	48	02993105	624
1 (30)	28-400	361010829	24	02992576	432
2 (60)	33-400	02992664	24	02993196	216
4 (120)	38-400	02992728	24	02992876	180
8.5 (250)	45-400	02991975	24	02993017	84
10 (300)	53-400	-	-	02991320	96
17 (500)	53-400	02992831	12	02993006	60
32 (950)	53-400	02992674	12	02993195	36
42 (1250)	70-400	02992786	6	-	-
84 (2500)	70-400	02991801	12	-	-
with Black Phenolic Pulp/Vinyl Caps Attached					
.20 (6)	20-400	-	-	02992409	720
.25 (8)	20-400	-	-	02993185	912
.50 (15)	28-400	-	-	02992547	624
1 (30)	28-400	02992751	24	02992711	432
2 (60)	33-400	02992857	24	02991950	216
4 (120)	38-400	02992768	24	02991897	180
8.5 (250)	45-400	02991961	24	02991972	84
10 (300)	53-400	-	-	02991812	96
17 (500)	53-400	361011040	12	02991493	60
32 (950)	53-400	02992909	12	0289010G	36
42 (1250)	70-400	02992978	6	-	-
84 (2500)	70-400	02992032	12	-	-
with Black Phenolic PolyCone Caps Attached					
.20 (6)	20-400	-	-	02992359	720
.25 (8)	20-400	-	-	02993209	912
.50 (15)	28-400	-	-	02992467	624
1 (30)	28-400	02992881	24	02991607	432
2 (60)	33-400	02993029	24	02992765	216
4 (120)	38-400	02992995	24	02992693	180
with Black Phenolic Rubber Lined Caps Attached					
1 (30)	28-400	02992256	24	-	-
2 (60)	33-400	02992904	24	-	-
4 (120)	38-400	02991853	24	02992007	180
with Black Phenolic Pulp/Tin Foil Caps Attached					
1 (30)	28-400	02992804	24	02991835	432
2 (60)	33-400	02992902	24	02992578	216
4 (120)	38-400	02992852	24	02991687	180
17 (500)	53-400	02993168	12	02991749	60
32 (950)	53-400	02993139	12	02992247	36
42 (1250)	70-400	02991802	6	-	-

CLEAR STANDARD WIDE MOUTHS

Capacity oz (ml)	Neck Finish	Item #	Qty.
Bottle Only			
4 (120)	48-400	02993030	24
8 (240)	58-400	02993167	24
16 (480)	63-400	02993104	12
32 (960)	70-400	02993154	12
64 (1920)	83-400	02993118	6
128 (3785)	89-400	02993096	4
with Green ThermoSet F217 & PTFE Caps Attached			
4 (120)	48-400	02992837	24
8 (240)	58-400	02992938	24
16 (480)	63-400	02993060	24
32 (960)	70-400	02993072	12
64 (1920)	83-400	02992666	6
128 (3785)	89-400	02992712	4
with Black Phenolic Pulp/Vinyl Caps Attached			
4 (120)	48-400	361010481	24
8 (240)	58-400	361010482	24
16 (480)	63-400	02993190	24
32 (960)	70-400	02993145	12
64 (1920)	83-400	361010380	6
128 (3785)	89-400	02992759	4
with Black Phenolic Pulp/Tin Foil Caps Attached			
4 (120)	48-400	02993054	24
8 (240)	58-400	02993098	24
16 (480)	63-400	02993184	24
32 (960)	70-400	02993140	12
with Black Phenolic Solid PE Caps Attached			
4 (120)	48-400	02992835	24
8 (240)	58-400	02993055	24
16 (480)	63-400	02992998	24
32 (960)	70-400	02993208	12
64 (1920)	83-400	02993155	6
with White Metal Plastisol Caps Attached			
8 (240)	58-400	02992880	24
16 (480)	63-400	02992873	24
64 (1920)	70-400	02993178	12
128 (3785)	89-400	02992842	4



GLASS BOTTLES

CLEAR STRAIGHT SIDED ROUNDS

		Convenience Pack		Bulk Pack	
Capacity oz (ml)	Neck Finish	Item #	Qty	Item #	Qty
Bottle Only					
1 (30)	43-400	02992169	48	02991740	384
2 (60)	53-400	02991877	24	02992105	144
4 (120)	58-400	02993095	24	-	-
6 (180)	63-400	02993028	24	-	-
8 (240)	70-400	02993102	24	-	-
16 (480)	89-400	02993000	12	-	-
32 (960)	89-400	02993066	12	-	-
with Green ThermoSet F217 & PTFE Caps Attached					
1 (30)	43-400	02992449	48	02992955	384
2 (60)	53-400	02992428	24	02993294	144
4 (120)	58-400	02992436	24	-	-
6 (180)	63-400	02992787	24	-	-
8 (240)	70-400	02992706	24	-	-
16 (480)	89-400	02992415	12	-	-
32 (960)	89-400	02992406	12	-	-
with Black Phenolic Pulp/Vinyl Caps Attached					
1 (30)	43-400	02992774	48	02992100	384
2 (60)	53-400	02992724	24	02992729	144
4 (120)	58-400	02992807	24	-	-
6 (180)	63-400	02992451	24	-	-
8 (240)	70-400	02992926	24	-	-
16 (480)	89-400	02992931	12	-	-
32 (960)	89-400	02992715	12	-	-
with Black Phenolic Pulp/Tin Foil Caps Attached					
1 (30)	43-400	02992461	48	02992319	384
2 (60)	53-400	02992764	24	02992916	144
4 (120)	58-400	02992754	24	-	-
8 (240)	70-400	02992908	24	-	-
16 (480)	89-400	02992906	12	-	-
32 (960)	89-400	02992404	12	-	-
with Black Phenolic Solid PE Caps Attached					
1 (30)	43-400	02992767	48	-	-
2 (60)	53-400	02992761	24	02992716	144
4 (120)	58-400	02992776	24	-	-
8 (240)	70-400	02992911	24	-	-
16 (480)	89-400	02992907	12	-	-
32 (960)	89-400	02992410	12	-	-
with White PP SturdeeSeal® PE Foam Caps Attached					
1 (30)	43-400	-	-	02991030	384
2 (60)	53-400	-	-	02992034	144
4 (120)	58-400	02992437	24	-	-
8 (240)	70-400	02992420	24	-	-
16 (480)	89-400	02992413	12	-	-
32 (960)	89-400	02993129	12	-	-



CLEAR WIDE MOUTH FRENCH SQUARES

		Convenience Pack		Bulk Pack	
Capacity oz (ml)	Neck Finish	Item #	Qty	Item #	Qty
Bottle Only					
.50 (15)	20-400	02993222	48	02991916	576
1 (30)	24-400	02992939	48	02991838	280
2 (60)	28-400	02992283	48	02991795	240
4 (120)	33-400	02992781	24	02991937	120
8 (240)	43-400	02991940	24	02993099	84
16 (480)	48-400	02991951	24	02993069	40
32 (960)	58-400	02991397	12	02993142	24
with Green ThermoSet F217 & PTFE Caps Attached					
.50 (15)	20-400	02992310	48	02992385	576
1 (30)	24-400	02992682	48	02992574	280
2 (60)	28-400	02992570	48	02992608	240
4 (120)	33-400	02992589	24	02993023	120
8 (240)	43-400	02992456	24	02993192	84
16 (480)	48-400	02992520	24	02993183	40
32 (960)	58-400	02993040	12	02992803	24
with Black Phenolic Pulp/Vinyl Caps Attached					
.50 (15)	20-400	02992156	48	02991650	576
1 (30)	24-400	02992737	48	02991685	280
2 (60)	28-400	02992445	48	02991634	240
4 (120)	33-400	02992707	24	02991849	120
8 (240)	43-400	02992621	24	02992780	84
16 (480)	48-400	02992659	24	02992818	40
32 (960)	58-400	02993074	12	02992714	24
with Black Phenolic PolyCone Caps Attached					
.50 (15)	20-400	0332714A	48	02991998	576
1 (30)	24-400	02992889	48	02991929	280
2 (60)	28-400	02992750	48	02992029	240
4 (120)	33-400	02992808	24	02992096	120
with Black Phenolic Rubber Caps Attached					
.50 (15)	20-400	02992290	48	02991936	576
1 (30)	24-400	02992272	48	02992031	280
2 (60)	28-400	02992232	48	02992071	240
4 (120)	33-400	02992218	24	02992352	120
8 (240)	43-400	02992573	24	02992924	84
16 (480)	48-400	02992198	24	-	-
with Black Phenolic Pulp/Tin Foil Caps Attached					
.50 (15)	20-400	02992288	48	02991770	576
1 (30)	24-400	02992699	48	02991639	280
2 (60)	28-400	02992607	48	02991548	240
4 (120)	33-400	02992649	24	02991924	120
8 (240)	43-400	02992705	24	02992667	84
16 (480)	48-400	02992701	24	02992660	40
32 (960)	58-400	02993042	12	-	-
with Black Phenolic Solid PE Caps Attached					
4 (120)	33-400	-	-	02991919	120
8 (240)	43-400	02992704	24	-	-
8 (240)	43-400	-	-	02992856	40
32 (960)	58-400	02993044	12	02992654	24



GLASS BOTTLES

CLEAR GRADUATED MEDIUM ROUNDS, BOTTLE BEAKERS®

		Convenience Pack		Bulk Pack	
Capacity oz (ml)	Neck Finish	Item #	Qty	Item #	Qty
Bottle Only					
1 (30)	33-400	02991952	48	02991620	432
2 (60)	38-400	02992749	48	02991815	288
4 (120)	48-400	02992800	24	02991796	144
8 (240)	58-400	02992920	24	02991715	96
16 (480)	70-400	02992152	24	02991732	48
with Green Thermoset F217 & PTFE Caps Attached					
1 (30)	33-400	02992128	48	02993059	432
2 (60)	38-400	02992601	48	02993085	288
4 (120)	48-400	02992588	24	02993200	144
8 (240)	58-400	02992647	24	02993162	96
16 (480)	70-400	02992801	24	02993218	48
with Black Phenolic Pulp/Vinyl Caps Attached					
1 (30)	33-400	02992136	48	02991878	432
2 (60)	38-400	02992559	48	02991925	288
4 (120)	48-400	02992645	24	02992077	144
8 (240)	58-400	02992760	24	02992069	96
16 (480)	70-400	02992977	24	02992174	48
with Black Phenolic PolyCone Caps Attached					
1 (30)	33-400	02992135	48	02992348	432
2 (60)	38-400	02992851	48	02992747	288
with Black Phenolic Rubber Lined Caps Attached					
1 (30)	33-400	02992133	48	02992329	432
2 (60)	38-400	02992126	48	02992453	288
4 (120)	48-400	02992117	24	02992380	144
with Black Phenolic Pulp/Tin Foil Caps Attached					
1 (30)	33-400	02992137	48	-	-
2 (60)	38-400	02992634	48	02991958	288
4 (120)	48-400	02992739	24	02992331	144
8 (240)	58-400	02992878	24	02992225	96
16 (480)	70-400	02992927	24	02992282	48
with Black Phenolic Solid PE Caps Attached					
2 (60)	38-400	02992134	48	02992124	288
4 (120)	48-400	02992691	24	02992099	144
8 (240)	58-400	02992810	24	02991980	96
16 (480)	70-400	02992928	24	02992111	48
with White PP SturdeeSeal® PE Foam Caps Attached					
2 (60)	38-400	-	-	02991335	288
4 (120)	48-400	02992116	24	02991224	144
8 (240)	58-400	-	-	02991346	96
16 (480)	70-400	-	-	02991212	48

CLEAR TALL STRAIGHT SIDED ROUNDS

Capacity oz (ml)	Neck Finish	Item #	Qty
Bottle Only			
8 (240)	58-400	02993146	24
16 (480)	63-400	02993010	12
with Green Thermoset F217 & PTFE Caps Attached			
8 (240)	58-400	02993262	24
16 (480)	63-400	02993133	12
with Black Phenolic Pulp/Vinyl Caps Attached			
8 (240)	58-400	02992743	24
16 (480)	63-400	02991909	12
with White PP SturdeeSeal PE Foam Caps Attached			
8 (240)	58-400	02992025	24
16 (480)	63-400	02991367	12

CLEAR COMPOSITE TEST JARS

Capacity oz (ml)	Neck Finish	Item #	Qty
Bottle Only			
2.5 (75)	43-400	02991760	180
with Green Thermoset F217 & PTFE Caps Attached			
2.5 (75)	43-400	02993186	180
with Black Phenolic Pulp/Vinyl Caps Attached			
2.5 (75)	43-400	02992008	180

DROPPER BOTTLES

Style	Color	Capacity oz (ml)	Neck Finish	Item #	Qty
with Black Polypropylene Hole Cap with Glass Dropper Assembly Attached					
Round	Amber	2 (60)	20-400	02992550	24
Round	Amber	4 (120)	22-400	02992545	24
Round	Clear	1 (30)	20-400	02992236	48
Round	Clear	2 (60)	20-400	02992266	24
Round	Clear	4 (120)	22-400	02992239	24
with Black Phenolic Hole Cap with Plastic Dropper Assembly Attached					
Oval	Amber	1 (30)	20-400	02991592	72



GLASS BOTTLES

CLEAR SQUARE TABLET BOTTLES

Capacity oz (ml)	Neck Finish	Item #	Qty
Bottle Only			
1 (30)	33-400	02991656	288
2 (60)	33-400	02991827	144
with Green Thermoset F217 & PTFE Caps Attached			
1 (30)	33-400	02993076	288
2 (60)	33-400	02992898	144
with Black Phenolic Pulp/Vinyl Caps Attached			
1 (30)	33-400	02991814	288
2 (60)	33-400	02991701	144
with Black Phenolic PolyCone Caps Attached			
1 (30)	33-400	02992486	288
2 (60)	33-400	02991860	144



CLEAR OVAL PRESCRIPTION WARE BOTTLES

Capacity oz (ml)	Neck Finish	Item #	Qty.
with Black Phenolic Pulp/Vinyl Caps Attached			
6 (180)	24-400	02992615	48

CLEAR OIL SAMPLE BOTTLES

Capacity oz (ml)	Neck Finish	Item #	Qty.
with Cork Attached			
4 (120)	# 6 Cork	02991308	144



GLASS JUGS

AMBER GLASS JUGS

Capacity oz (ml)	Neck Finish	Item #	Qty.
Jug Only			
84 (2500)	38-430	02992793	6
128 (3785)	38-400	02992941	4
135 (4000)	38-434	02991453	4
with Green Thermoset F217 & PTFE Caps Attached			
128 (3785)	38-400	02992057	4
with Black Phenolic F217 & PTFE Caps Attached			
84 (2500)	38-430	02992591	6
135 (4000)	38-434	02991330	4
with Black Phenolic Pulp/Vinyl Caps Attached			
128 (3785)	38-400	02992055	4
with Black Phenolic Rubber Lined Caps Attached			
84 (2500)	38-430	02992250	6
128 (3785)	38-400	02991744	4
with Black Phenolic Pulp/Tin Foil Caps Attached			
128 (3785)	38-400	02992052	4

CLEAR GLASS JUGS

Capacity oz (ml)	Neck Finish	Item #	Qty.
Jug Only			
64 (1920)	38-400	02992653	6
128 (3785)	38-400	02993012	4
with Green Thermoset F217 & PTFE Caps Attached			
64 (1920)	38-400	02991893	6
128 (3785)	38-400	02991896	4
with Black Phenolic Pulp/Vinyl Caps Attached			
64 (1920)	38-400	033272	6
128 (3785)	38-400	02991880	4
with Black Phenolic PolyCone Caps Attached			
64 (1920)	38-400	02991895	6
128 (3785)	38-400	02991892	4
with Black Phenolic Rubber Lined Caps Attached			
64 (1920)	38-400	02991894	6
128 (3785)	38-400	02991898	4
with Black Phenolic Pulp/Tin Foil Caps Attached			
64 (1920)	38-400	02991884	6
128 (3785)	38-400	02991882	4



GLASS VIALS

CLEAR BOROSILICATE SAMPLE VIALS

Size mm	Capacity dram (ml)	Neck Finish	Item #	Qty
Vial Only				
12 x 35	.50 (1.85)	8-425	02991902	144
15 x 45	1 (4)	13-425	02991759	144
17 x 60	2 (7.5)	15-425	02991401	144
19 x 65	3 (11)	15-425	02991361	144
20.7 x 70	4 (15)	18-400	02991510	144
27.25 x 57.5	5 (20)	24-400	02992016	72
23 x 85	6 (22)	20-400	02991450	144
27.75 x 70	6 (22)	24-400	02991717	72
25 x 95	8 (30)	22-400	02991489	144
29.25 x 81	10 (40)	24-400	02991470	72
27.70 x 95	10 (40)	24-414	02992890	72
27.75 x 140	15 (60)	24-400	02993275	72
with Black Phenolic PolyCone Caps Attached				
15 x 45	1 (4)	13-425	02993103	144
17 x 60	2 (7.5)	15-425	02992238	144
19 x 65	3 (11)	15-425	02992062	144
20.7 x 70	4 (15)	18-400	02992997	144
27.25 x 57.5	5 (20)	24-400	02993182	72
23 x 85	6 (22)	20-400	02992047	144
27.75 x 70	6 (22)	24-400	02992590	72
25 x 95	8 (30)	22-400	02992602	144
29.25 x 81	10 (40)	24-400	02992670	144
27.70 x 95	10 (40)	24-414	02992900	144
27.75 x 140	15 (60)	24-400	02992859	72
with Green Thermoset F217 & PTFE Caps Attached				
12 x 35	.50 (1.85)	8-425	02992524	144
15 x 45	1 (4)	13-425	02993097	144
17 x 60	2 (7.5)	15-425	02993075	144
19 x 65	3 (11)	15-425	02992734	144
20.7 x 70	4 (15)	18-400	02992491	144
27.25 x 57.5	5 (20)	24-400	02993271	72
27.25 x 57.5	5 (20)	24-400	02993309	144
23 x 85	6 (22)	20-400	02992945	144
27.75 x 70	6 (22)	24-400	02992613	72
25 x 95	8 (30)	22-400	02993037	144
29.25 x 81	10 (40)	24-400	02993273	144
27.70 x 95	10 (40)	24-414	02992988	144
27.75 x 140	15 (60)	24-400	02993360	72



CLEAR BOROSILICATE SAMPLE VIALS (CONT)

Size mm	Capacity dram (ml)	Neck Finish	Item #	Qty
with Green PP Hole Caps & PTFE/Silicone Septa Attached				
27.25 x 57.5	5 (20)	24-400	02992996	144
27.75 x 95	10 (40)	24-400	02992773	144
27.5 x 140	15 (60)	24-410	02993065	72
with Black Phenolic Pulp/Vinyl Caps Attached				
12 x 35	.50 (1.85)	8-425	02991314	144
15 x 45	1 (4)	13-425	02991944	144
17 x 60	2 (7.5)	15-425	02991353	144
19 x 65	3 (11)	15-425	02992362	144
20.7 x 70	4 (15)	18-400	02992374	144
27.25 x 57.5	5 (20)	24-400	02991970	72
23 x 85	6 (22)	20-400	02991509	144
27.75 x 70	6 (22)	24-400	02992023	72
25 x 95	8 (30)	22-400	02991347	144
29.25 x 81	10 (40)	24-400	02992668	144
27.70 x 95	10 (40)	24-414	02992384	144
27.75 x 140	15 (60)	24-400	02992862	72
with Black Phenolic Rubber Lined Caps Attached				
15 x 45	1 (4)	13-425	02992044	144
17 x 60	2 (7.5)	15-425	02991500	144
19 x 65	3 (11)	15-425	02991350	144
20.7 x 70	4 (15)	18-400	02991735	144
27.25 x 57.5	5 (20)	24-400	02992534	72
23 x 85	6 (22)	20-400	02991763	144
27.75 x 70	6 (22)	24-400	02992581	72
25 x 95	8 (30)	22-400	02991411	144
29.25 x 81	10 (40)	24-400	02992582	144
27.70 x 95	10 (40)	24-414	02992752	144
27.75 x 140	15 (60)	24-400	02992861	72

AMBER & CLEAR BOROSILICATE COMPOUND VIALS

Color	Size mm	Capacity dram (ml)	Neck Finish	Item #	Qty.
Vial Only					
Amber	15 x 22	0.33 (1.25)	13-425	02991616	144
Amber	15 x 26	0.50 (1.85)	13-425	02991748	144
Clear	15 x 19	0.25 (0.95)	13-425	02991622	144
Clear	15 x 22	0.33 (1.25)	13-425	02991618	144
Clear	15 x 26	0.50 (1.85)	13-425	02991613	144
with Green Thermoset F217 & PTFE Lined Caps Enclosed					
Amber	15 x 22	0.33 (1.25)	13-425	02991590	144
Amber	15 x 26	0.50 (1.85)	13-425	02991547	144
Clear	15 x 19	0.25 (0.95)	13-425	02991600	144
Clear	15 x 22	0.33 (1.25)	13-425	02991594	144
Clear	15 x 26	0.50 (1.85)	13-425	02991591	144



GLASS VIALS

AMBER BOROSILICATE SAMPLE VIALS

Size mm	Capacity dram (ml)	Neck Finish	Item #	Qty.
Vial Only				
12 x 35	.50 (1.85)	8-425	02992972	144
15 x 45	1 (4)	13-425	02993261	144
17 x 60	2 (7.5)	15-425	02993020	144
20.7 x 70	4 (15)	18-400	02993107	144
27.75 x 57	5 (20)	24-400	02991507	144
27.75 x 95	10 (40)	24-400	02991516	72
with Green Thermoset F217 & PTFE Caps Attached				
12 x 35	.50 (1.85)	8-425	02993171	144
15 x 45	1 (4)	13-425	02992763	144
17 x 60	2 (7.5)	15-425	02993397	144
20.7 x 70	4 (15)	18-400	02992303	144
27.75 x 57	5 (20)	24-400	02993253	144
27.75 x 95	10 (40)	24-400	02991739	144
with Green PP Hole Caps & PTFE/Silicone Septa Attached				
27.75 x 57	5 (20)	24-400	02991932	144
27.75 x 95	10 (40)	24-400	02992598	144
with Black Phenolic Pulp/Vinyl Caps Attached				
27.75 x 57	5 (20)	24-400	02991463	144
27.75 x 95	10 (40)	24-400	02992614	144
with Black Phenolic PolyCone Caps Attached				
27.75 x 57	5 (20)	24-400	02991758	144
27.75 x 95	10 (40)	24-400	02992609	144
with Black Phenolic Rubber Lined Caps Attached				
27.75 x 57	5 (20)	24-400	02992525	144
27.75 x 95	10 (40)	24-400	02992622	144



COLORED VIALS

Color	Capacity dr (ml)	Neck Finish	Item #	Qty.
Cobalt Blue	2 (7.5)	13-425	02991899	144
Green	2 (7.5)	13-425	02991756	144

BOROSILICATE CRIMP NECK SERUM VIALS

Size mm	Color	Neck Finish	Item #	Qty.
Vial Only				
14.75 x 32	Amber	13mm	02991214	10 modules of 495
14.75 x 32	Flint	13mm	02991210	10 modules of 495
21.75 x 40	Amber	20mm	02991102	12 modules of 100
21.75 x 40	Flint	20mm	02991290	12 modules of 100
22.75 x 50	Amber	20mm	02991196	8 modules of 100
22.75 x 50	Flint	20mm	02991244	8 modules of 100

BULK BOROSILICATE CHROMATOGRAPHY VIALS

Size mm	Color	Neck Finish	Neck Style	Item #	Packaging	Qty
Vial Only						
12 x 32	Amber	11mm	Std Crimp	02991275	20 modules of 100	2,000
12 x 32	Flint	11mm	Std Crimp	02991219	20 modules of 100	2,000
12 x 32	Amber	11mm	Lrg Crimp	02991276	20 modules of 100	2,000
12 x 32	Flint	11mm	Lrg Crimp	02991217	20 modules of 100	2,000
12 x 32	Amber	8-425	Screw Thread	02991277	20 modules of 100	2,000
12 x 32	Flint	8-425	Screw Thread	02991218	20 modules of 100	2,000



SAFETY COATED GLASS BOTTLES

SAFETY COATED AMBER BOSTON ROUNDS

		Convenience Pack		Bulk Pack	
Capacity oz (ml)	Neck Finish	Item #	Qty	Item #	Qty
Bottle Only					
4 (120)	22-400	-	-	02991979	160
8 (240)	24-400	02992624	24	02991378	108
16 (480)	28-400	02992620	12	02992046	60
32 (960)	33-400	02992623	12	02991823	30
33 (1000)	33-430	02992594	12	02991914	30
with Green Thermoset F217 & PTFE Caps Attached					
4 (120)	22-400	02992353	24	02991530	160
8 (240)	24-400	02993318	24	-	-
16 (480)	28-400	02992463	12	-	-
32 (960)	33-400	02993328	12	02991360	30
33 (1000)	33-430	02992871	12	-	-
with Black Phenolic Pulp/Vinyl Caps Attached					
4 (120)	22-400	02992349	24	-	-
8 (240)	24-400	02992758	24	-	-
16 (480)	28-400	02992343	12	-	-
32 (960)	33-400	02992336	12	-	-
with Black Phenolic PolyCone Caps Attached					
4 (120)	22-400	02992346	24	-	-
8 (240)	24-400	02992874	24	-	-
16 (480)	28-400	02992586	12	-	-
32 (960)	33-400	02992949	12	-	-
with Black Phenolic Rubber Caps attached					
4 (120)	22-400	02992345	24	-	-
8 (240)	24-400	02992339	24	-	-
16 (480)	28-400	02992337	12	-	-
32 (960)	33-400	02992341	12	-	-

SAFETY COATED AMBER WIDE MOUTH PACKERS

Capacity oz (ml)	Neck Finish	Item #	Qty
Bottle Only			
8.5 (250)	45-400	02993442	24
17 (500)	53-400	02991931	12
32 (950)	53-400	02992125	12
84 (2500)	70-400	02991292	12
with Green Thermoset F217 & PTFE Caps Attached			
8.5 (250)	45-400	02991712	24
17 (500)	53-400	02991810	12
32 (950)	53-400	02993225	12
84 (2500)	70-400	02993387	4
with Black Phenolic Pulp/Vinyl Caps Attached			
8.5 (250)	45-400	02991552	24
17 (500)	53-400	02991413	12
32 (950)	53-400	02991462	12
84 (2500)	70-400	02992870	4
with Black Phenolic Pulp/Tin Foil Caps Attached			
17 (500)	53-400	02991457	12
32 (950)	53-400	02991484	12

SAFETY COATED CLEAR BOSTON ROUNDS

		Convenience Pack		Bulk Pack	
Capacity oz (ml)	Neck Finish	Item #	Qty	Item #	Qty
Bottle Only					
8 (240)	24-400	02992466	24	02991927	108
16 (480)	28-400	02991734	12	02992546	60
32 (960)	33-400	02992470	12	02991943	30
with Green Thermoset F217 & PTFE Caps Attached					
8 (240)	24-400	02992669	24	02991948	108
16 (480)	28-400	02992500	12	-	-
32 (960)	33-400	02992498	12	-	-
with Black Phenolic Pulp/Vinyl Caps Attached					
4 (120)	22-400	02992504	24	-	-
8 (240)	24-400	02993156	24	-	-
16 (480)	28-400	02992495	12	-	-
32 (960)	33-400	02992492	12	-	-
with Black Phenolic PolyCone Caps Attached					
8 (240)	24-400	02992511	24	02991556	108
16 (480)	28-400	02992318	12	-	-
32 (960)	33-400	02992496	12	-	-
with Black Phenolic Rubber Lined Caps Attached					
8 (240)	24-400	02992510	24	-	-
16 (480)	28-400	02992515	12	-	-
32 (960)	33-400	02992493	12	-	-

SAFETY COATED CLEAR STANDARD WIDE MOUTHS

Capacity oz (ml)	Neck Finish	Item #	Qty
Bottle Only			
32 (960)	70-400	02991494	12
64 (1920)	83-400	02992280	6
128 (3785)	89-400	02991460	4
with Green Thermoset F217 & PTFE Caps Attached			
32 (960)	70-400	02993349	12
64 (1920)	83-400	02992822	6
128 (3785)	89-400	02993334	4
with Black Phenolic Pulp/Vinyl Caps Attached			
32 (960)	70-400	02992652	12
64 (1920)	83-400	02991151	6
128 (3785)	89-400	02991070	4

SAFETY COATED CLEAR MEDIUM ROUNDS

Capacity oz (ml)	Neck Finish	Item #	Qty
Bottle Only			
8 (240)	70-400	02991954	24
16 (480)	70-400	02992606	24
with Green Thermoset F217 & PTFE Caps Attached			
8 (240)	70-400	02992725	24
16 (480)	70-400	02993265	24
with Black Phenolic Pulp/Vinyl Caps Attached			
8 (240)	70-400	02991729	24
16 (480)	70-400	02992799	24
with White Metal Plastisol Lined Cap Attached			
8 (240)	70-400	02991624	24
16 (480)	70-400	02991738	48



SAFETY COATED GLASS JUGS

SAFETY COATED AMBER JUGS

Capacity oz (ml)	Neck Finish	Item #	Qty
Jug Only			
84 (2500)	38-430	02992371	6
135 (4000)	38-434	02991316	4
with F217 & PTFE Lined Caps Attached			
135 (4000)	38-434	02993266	4

SAFETY COATED CLEAR JUGS

Capacity oz (ml)	Neck Finish	Item #	Qty
Jug Only			
84 (2500)	38-439	02991384	12
with F217 & PTFE Lined Caps Attached			
128 (3785)	38-400	02992196	4
with White PP F422 HDPE Foam Lined Caps Attached			
84 (2500)	38-439	02992948	6



PLASTIC BOTTLES

NATURAL HDPE WIDE MOUTH CYLINDERS

Capacity oz (ml)	Neck Finish	Item #	Qty.
Bottle Only			
8 (240)	38-400	02991400	329
12 (360)	38-400	02991793	216
with White PP SturdeeSeal® PE Foam Caps Attached			
8 (240)	38-400	02991553	336
12 (360)	38-400	02991939	216

NATURAL HDPE MODERN ROUNDS

Capacity oz (ml)	Neck Finish	Item #	Qty
Bottle Only			
8 (240)	28-410	02991374	268
16 (480)	28-410	02991402	135
with Black Phenolic PolyCone Caps Attached			
8 (240)	28-410	02992245	268
16 (480)	28-410	02991412	135

WHITE HDPE CYLINDERS

Capacity oz (ml)	Neck Finish	Item #	Qty
Bottle Only			
6 (180)	24-410	02991669	300
32 (960)	28-410	02993307	66
with White PP SturdeeSeal® PE Foam Caps Attached			
6 (180)	24-410	02991285	300
32 (960)	28-410	02993277	66

NATURAL LDPE BOSTON ROUNDS

Capacity oz (ml)	Neck Finish	Item #	Qty	Convenience Pack		Bulk Pack	
				Item #	Qty	Item #	Qty
Bottle Only							
1 (30)	18-410	-	-	02993011	1,550		
2 (60)	18-410	-	-	02993067	850		
4 (120)	24-410	-	-	02991304	430		
8 (240)	24-410	-	-	02991031	225		
16 (480)	28-400	-	-	02991635	140		
with Black Phenolic PolyCone Caps Attached							
1 (30)	18-410	02991538	48	-	-		
2 (60)	18-410	02991544	48	-	-		
4 (120)	24-410	02991536	48	02992028	430		
8 (240)	24-410	02991527	48	02991736	225		
16 (480)	28-400	02991522	24	02991964	140		



PLASTIC BOTTLES

NATURAL HDPE COMMERCIAL CYLINDERS

		Convenience Pack		Bulk Pack	
Capacity oz (ml)	Neck Finish	Item #	Qty	Item #	Qty
Bottle Only					
2 (60)	24-410	-	-	02991719	900
4 (120)	24-410	-	-	02991448	500
8 (240)	24-410	-	-	02992593	336
16 (480)	24-410	-	-	02991451	153
16 (480)	28-400	-	-	02991369	153
32 (960)	28-400	-	-	02991464	66
with Green Thermoset F217 & PTFE Caps Attached					
2 (60)	24-410	02991704	48	-	-
4 (120)	24-410	02991695	48	-	-
8 (240)	24-410	02991698	48	-	-
16 (480)	24-410	02991686	24	-	-
32 (960)	28-400	02991709	12	-	-
with White PP SturdeeSeal® PE Foam Caps Attached					
2 (60)	24-410	02991566	48	02992917	900
4 (120)	24-410	02991565	48	02992744	500
8 (240)	24-410	02991581	48	02993251	336
16 (480)	24-410	02991580	24	02993276	153
16 (480)	28-400	-	-	02993009	153
32 (960)	28-400	02991595	12	02993137	66

NATURAL HDPE WIDE MOUTH OBLONGS

		Convenience Pack		Bulk Pack	
Capacity oz (ml)	Neck Finish	Item #	Qty	Item #	Qty
Bottle Only					
2 (60)	33-400	-	-	02991642	950
4.2 (125)	38-400	-	-	02991307	500
5.5 (160)	38-400	-	-	02991726	400
8.5 (250)	43-400	-	-	02991511	250
17 (500)	43-400	-	-	02993213	160
33 (1000)	53-400	-	-	02991966	87
with White PP Unlined Caps Attached					
2 (60)	33-400	-	-	02991465	950
4.2 (125)	38-400	-	-	02991019	500
5.5 (160)	38-400	-	-	02991537	400
8.5 (250)	43-400	-	-	02991667	250
17 (500)	43-400	-	-	02993283	160
33 (1000)	53-400	-	-	02991230	87
with White PP SturdeeSeal® PE Foam Caps Attached					
2 (60)	33-400	02991572	48	02991614	950
4.2 (125)	38-400	02991569	48	02991039	500
5.5 (160)	38-400	02991564	48	02991960	400
8.5 (250)	43-400	02991568	48	02991429	250
17 (500)	43-400	02991587	24	02991549	160
33 (1000)	53-400	02991554	12	02991288	87

NATURAL HDPE WIDE MOUTH ROUNDS

		Convenience Pack		Bulk Pack	
Capacity oz (ml)	Neck Finish	Item #	Qty	Item #	Qty
Bottle Only					
1 (30)	28-400	-	-	02991449	1,650
2 (60)	33-400	02991684	48	02991088	850
4 (120)	38-400	02991680	48	02991303	475
8.5 (250)	53-400	02991655	48	02991425	364
13.5 (400)	53-400	-	-	02991707	192
17 (500)	53-400	-	-	02991161	180
32 (950)	53-400	-	-	02991477	72
32 (950)	63-400	-	-	02991908	72
32 (960)	70-400	-	-	02991769	106
64 (1920)	100-400	-	-	02993061	50
68 (2000)	89-400	-	-	02991225	50
128 (3840)	89-400	02992157	4	02992138	60
with White PP SturdeeSeal® PE Foam Caps Attached					
1 (30)	28-400	02991562	48	02991456	1,650
2 (60)	33-400	02991574	48	02992030	850
4 (120)	38-400	02991570	48	02991938	475
8.5 (250)	53-400	02991559	48	02993198	364
17 (500)	53-400	02991557	24	02992257	180
32 (950)	53-400	02991573	12	02993191	72
32 (950)	63-400	-	-	02991935	72
68 (2000)	89-400	02991585	6	02991755	50
128 (3840)	89-400	02991539	4	02991534	60
with Black Phenolic Pulp/Vinyl Caps Attached					
1 (30)	28-400	02991714	48	-	-
2 (60)	33-400	02991710	48	-	-
4 (120)	38-400	02991577	48	02991869	475
8.5 (250)	53-400	02991560	48	02993322	364
17 (500)	53-400	02991678	24	02993024	180
32 (950)	53-400	02991571	12	-	-
32 (950)	63-400	-	-	02991679	72
32 (960)	70-400	-	-	02992523	106
68 (2000)	89-400	02991688	6	02991558	50
128 (3840)	89-400	02991658	4	-	-
with Black Phenolic Solid PE Caps Attached					
17 (500)	53-400	-	-	02991933	180
32 (950)	53-400	-	-	02992012	72
32 (950)	63-400	-	-	02992381	72
32 (960)	70-400	-	-	02991921	106
68 (2000)	89-400	-	-	02991764	50
128 (3840)	89-400	02992919	4	-	-
with White PP Unlined Caps Attached					
2 (60)	33-400	02991699	48	02991087	850
4 (120)	38-400	-	-	02991309	475
8.5 (250)	53-400	-	-	02993153	364
17 (500)	53-400	-	-	02991575	180
32 (950)	53-400	-	-	02993187	72
32 (950)	63-400	-	-	02991427	72
with White Metal Pulp/PE Caps Attached					
4 (120)	38-400	-	-	02991867	475
8.5 (250)	53-400	-	-	02992261	364
17 (500)	53-400	-	-	02991641	180
68 (2000)	89-400	-	-	02991482	50
128 (3840)	89-400	02992717	4	-	-



PLASTIC BOTTLES

CLEAR PVC CYLINDERS

Capacity oz (ml)	Neck Finish	Item #	Qty
Bottle Only			
4 (120)	20-410	02992915	559
8 (240)	24-410	02993287	489
16 (480)	28-410	02993236	243
32 (960)	28-410	02991750	128
with White PP SturdeeSeal® PE Foam Caps Attached			
4 (120)	20-410	02993280	559
8 (240)	24-410	02993355	489
16 (480)	28-410	02993234	243
32 (960)	28-410	02993031	128

CLEAR PET HEAVYWEIGHT PACKERS

		Convenience Pack		Bulk Pack	
Capacity oz (ml)	Neck Finish	Item #	Qty	Item #	Qty
with White PP SturdeeSeal® PE Foam Caps Attached					
4 (120)	38-400	02991535	48	02991689	450

CLEAR PET PACKERS

		Convenience Pack		Bulk Pack	
Capacity oz (ml)	Neck Finish	Item #	Qty	Item #	Qty
Bottle Only					
2 (60)	33-400	-	-	02991155	1,150
4 (120)	38-400	-	-	02991204	470
6.75 (200)	38-400	-	-	02991221	335
8.5 (250)	45-400	-	-	02991178	270
16 (500)	45-400	-	-	02991197	140
with White PP SturdeeSeal® PE Foam Caps Attached					
2 (60)	33-400	02991683	48	02991605	1,150
4 (120)	38-400	02991675	48	02991521	470
8.5 (250)	45-400	02991644	48	02991220	270
16 (500)	45-400	02992334	24	02992292	140

NASAL SPRAY BOTTLES

Capacity oz (ml)	Neck Finish	Bottle Resin	Bottle Style	Item #	Qty
With Overcap and Plug Attached					
2 (60)	18-410	LDPE	Boston Round	02991524	48

TRIGGER SPRAY BOTTLES

Capacity oz (ml)	Neck Finish	Bottle Resin	Bottle Style	Dip Tube Length	Item #	Qty.
with White PP Trigger Sprayer Attached						
16 (480)	28-400	HDPE	Cylinder	7-3/8"	02993416	6
22 (650)	28-400	HDPE	Oval	7-3/8"	02993423	4
32 (960)	28-400	HDPE	Cylinder	9-1/8"	02993342	12

INDUSTRIAL TRIGGER SPRAY BOTTLES

Capacity oz (ml)	Neck Finish	Bottle Resin	Bottle Style	Dip Tube Length	Item #	Qty.
with White PP Industrial Trigger Sprayer Attached						
16 (480)	28-400	Nylon/PE	Modern Round	6-5/8"	02991721	6

PRECLEANED CLEAR PET PACKERS

			Convenience Pack		Bulk Pack	
Capacity oz (ml)	Neck Finish	Cleaning Process	Item #	Qty	Item #	Qty
with White PP SturdeeSeal® PE Foam Caps Attached						
4 (120)	38-400	Super Clean	-	-	02991407	470
4 (120) Heavy	38-400	Super Clean	02991414	48	02991375	450
4 (120)	38-400	Ultra Cleaned	02991832	48	-	-
4 (120) Heavy	38-400	Ultra Cleaned	02991836	48	-	-
16 (500)	45-400	Ultra Cleaned	02991839	24	-	-
4 (120)	38-400	Vacuum & Ionized	02991504	48	02992702	470
6.75 (200)	38-400	Vacuum & Ionized	-	-	02991420	335
8.5 (250)	45-400	Vacuum & Ionized	02991645	48	-	-
16 (500)	45-400	Vacuum & Ionized	02992072	24	-	-

AMBER PET PACKERS

Capacity oz (ml)	Neck Finish	Item #	Qty.
Bottle Only			
2 (60)	33-400	02991278	1,150
4 (120)	38-400	02991185	450
8.5 (250)	45-400	02991205	270
with White PP SturdeeSeal® PE Foam Caps Attached			
2 (60)	33-400	02992058	48
4 (120)	38-400	02991661	48
8.5 (250)	45-400	02991643	48

NYLON/PE BARRIER BOTTLES

Capacity oz (ml)	Neck Finish	Color	Item #	Qty.
Bottle Only				
16 (480)	28-400	Natural	02992806	150
32 (960)	28-400	Natural	02992382	68
32 (960)	28-400	Amber	02991168	68
with Green Thermoset F217 & PTFE Caps Attached				
16 (480)	28-400	Natural	02991636	24
32 (960)	28-400	Natural	02991649	12
32 (960)	28-400	Amber	02991487	68

YORKER TOP BOTTLES WITH RED TIP

Capacity oz (ml)	Neck Finish	Bottle Resin	Bottle Style	Item #	Qty
with LDPE Yorker Cap Attached					
2 (60)	24-410	HDPE	Cylinder	02991745	48
4 (120)	24-410	HDPE	Cylinder	02991478	48

FLIP TOP DISPENSING BOTTLES

Capacity oz (ml)	Neck Finish	Bottle Resin	Bottle Style	Item #	Qty
with White PP Flip Top Caps Attached					
2 (60)	24-410	HDPE	Cylinder	02991751	48
4 (120)	24-410	HDPE	Cylinder	03320132	48
4 (120)	24-410	LDPE	Boston Round	02991718	48
8 (240)	24-410	HDPE	Cylinder	02991617	48
16 (480)	24-410	HDPE	Cylinder	02991602	24
32 (960)	28-400	HDPE	Cylinder	02992583	66

PLASTIC JARS

NATURAL POLYPROPYLENE JARS

		Convenience Pack		Bulk Pack	
Capacity oz (ml)	Neck Finish	Item #	Qty	Item #	Qty
Jar Only					
1 (30)	43-400	-	-	02991150	1,144
2 (60)	53-400	-	-	02991459	546
4 (120)	58-400	-	-	02991730	432
8 (240)	70-400	-	-	02991294	225
8 (240)	89-400	-	-	02991472	168
16 (480)	89-400	-	-	02991296	112
32 (960)	120-400	-	-	02991497	60
with White PP SturdeeSeal® PE Foam Caps Attached					
1 (30)	43-400	-	-	02991116	1,000
2 (60)	53-400	02991668	48	02991471	546
4 (120)	58-400	02991646	36	02991120	432
8 (240)	89-400	02991640	36	02991911	168
16 (480)	89-400	02991637	24	-	-
32 (960)	120-400	-	-	02991018	60
with White PP Unlined Caps Attached					
1 (30)	43-400	02991561	72	02991054	1,000
2 (60)	53-400	02991533	48	02991216	546
4 (120)	58-400	02991540	36	02991370	432
8 (240)	70-400	-	-	02991169	225
8 (240)	89-400	02991523	36	-	-
16 (480)	89-400	02991525	24	02991385	112
32 (960)	120-400	02991517	24	-	-



WHITE POLYPROPYLENE JARS

		Convenience Pack		Bulk Pack	
Capacity oz (ml)	Neck Finish	Item #	Qty	Item #	Qty
Jar Only					
1 (30)	43-400	-	-	02991179	980
2 (60)	53-400	-	-	02992302	588
4 (120)	58-400	-	-	02991858	432
8 (240)	70-400	-	-	02991373	336
16 (480)	89-400	-	-	02991488	112
32 (960)	120-400	-	-	02991514	60
with White PP Unlined Caps Attached					
1 (30)	43-400	02991728	72	-	-
2 (60)	53-400	02991653	48	-	-
4 (120)	58-400	02991654	36	-	-
8 (240)	70-400	02991630	36	02991160	336
16 (480)	89-400	02991632	24	02992291	112
32 (960)	120-400	02991626	24	02993246	60

CLEAR POLYSTYRENE JARS

Capacity oz (ml)	Neck Finish	Item #	Qty
Jar Only			
2 (60)	53-400	02991089	546
4 (120)	58-400	02991691	324
8 (240)	89-400	02991209	168
16 (480)	89-400	02991988	112
32 (960)	120-400	02991491	60
with White PP SturdeeSeal® PE Foam Caps Attached			
2 (60)	53-400	02991528	48
4 (120)	58-400	02991526	36
8 (240)	89-400	02991520	36
16 (480)	89-400	02991519	24
32 (960)	120-400	02991458	24

PLASTIC JUGS

NATURAL HDPE LIGHTWEIGHT DAIRY JUGS

Capacity oz	Volume	Neck Finish	Item #	Qty
Jug Only				
8	1/2 Pint	38-400	02991006	500
32	1 Quart	38-400	02991968	180
64	1/2 Gallon	38-400	02991492	108
128	1 Gallon	38-400	02991211	36

NATURAL HDPE HEAVYWEIGHT ROUND HANDELED JUGS

Capacity oz (ml)	Neck Finish	Item #	Qty.
Jug Only			
135 (4000)	38-439	02991358	48
with White PP F439 Lined Cap Attached			
128 (3785)	38-430	02991404	36

NATURAL HDPE ROUND HANDELED JUGS

		Convenience Pack		Bulk Pack	
Capacity oz (ml)	Neck Finish	Item #	Qty	Item #	Qty
Jug Only					
64 (1920)	38-400	-	-	02991203	40
128 (3785)	38-400	02991170	4	02993158	60
with White PP SturdeeSeal® PE Foam Caps Attached					
64 (1920)	38-400	02991677	6	02993207	40
128 (3785)	38-400	02991531	4	02992508	60

NATURAL HDPE WIDE MOUTH ROUND HANDELED JUGS

Capacity oz (ml)	Neck Finish	Item #	Qty.
Jug Only			
128 (3785)	89-400	02991199	60
with White PP SturdeeSeal® PE Foam Caps Attached			
128 (3785)	89-400	02991873	60

PLASTIC JUGS

NATURAL HDPE SQUARE HANDLED JUGS

Capacity oz (ml)	Neck Finish	Item #	Qty
Jug Only			
128 (3785)	38-400	02991236	4
with White PP SturdeeSeal® PE Foam Caps Attached			
128 (3785)	38-400	361010483	4

FLUORINATED HDPE JUGS

Capacity oz (ml)	Neck Finish	Item #	Qty.
Jug Only			
64 (1920)	38-400	02993180	40



WHITE HDPE F-STYLE JUGS

				Convenience Pack	Bulk Pack	
Capacity oz	Volume	Neck Finish	Item #	Qty	Item #	Qty
Jug Only						
16	1 Pint	33-400	-	-	02991167	240
32	1 Quart	33-400	-	-	02991163	120
64	1/2 Gallon	38-400	-	-	02991872	60
128	1 Gallon	38-400	02991771	6	02993070	54
with White PP SturdeeSeal® PE Foam Caps Attached						
16	1 Pint	33-400	02991663	36	-	-
32	1 Quart	33-400	02991664	24	-	-
64	1/2 Gallon	38-400	02991657	12	02991545	60
128	1 Gallon	38-400	02991705	6	02993110	54



PLASTIC VIALS

STERILE POLYPROPYLENE HINGED VIALS

Size mm	Capacity oz (ml)	Item #	Qty
Plain			
23 x 84	2 (45)	02991629	600
50 x 50	2.5 (70)	02991118	400
33 x 93	3 (90)	02991323	400
43 x 90	4 (120)	02991550	250
63 x 50	4 (120)	02991628	250
75 x 75	8 (240)	02991576	150
with Lock Seal Tab			
23 x 84	2 (45)	02991633	600
43 x 90	4 (120)	02991674	250
63 x 50	4 (120)	02991606	250
75 x 75	8 (240)	02991603	140
62 x 110	10 (300)	02991293	100
with Break Off Arrow & Lock Seal Tab			
23 x 84	2 (45)	02991619	600
33 x 93	3 (90)	02991202	400
with Break Off Arrow Lock Seal Tab & Custody String			
23 x 84	2 (45)	02991611	600
33 x 93	3 (90)	02991186	400
43 x 90	4 (120)	02991348	200
62 x 110	10 (300)	02991328	100

STERILE POLYPROPYLENE HINGED VIALS (CONT)

Size mm	Capacity oz (ml)	Item #	Qty
Pre-Preserved with Sodium Thiosulfate with Break Off Arrow Lock Seal Tab & Custody String			
43 x 90	4 (120)	02991586	200
Cornell Vials			
25 x 54	.38 (11)	02991496	500
Graduated Vet Vials			
21 x 95	.44 (13)	02991479	500
21 x 95 (lock seal)	.44 (13)	02991428	500

CLEAR POLYSTYRENE SNAP CAP VIALS

Size mm	Capacity dram (ml)	Neck Finish	Item #	Qty.
with Natural PP Linerless Caps Attached				
23 x 50	5 (18.5)	25 mm	02991501	144
27 x 50	7 (26)	29 mm	02991774	144
32 x 72	13 (48)	33 mm	02992952	144
35 x 62	15 (55)	36 mm	02992605	144



READY TO CLEAN GLASS

READY TO CLEAN AMBER BOROSILICATE VIALS

Size mm	Capacity dram (ml)	Neck Finish	Item #	Qty
with PP Caps & PTFE Disc Attached				
27.75 x 57	5 (20)	24-400	02993041	144
27.75 x 95	10 (40)	24-400	02992963	144

READY TO CLEAN AMBER BOSTON ROUNDS

Convenience Pack				Bulk Pack	
Capacity oz (ml)	Neck Finish	Item #	Qty	Item #	Qty
with PP Caps & PTFE Disc Attached					
4 (120)	22-400	02992555	24	-	-
8 (240)	24-400	-	12	02993259	108
16 (480)	28-400	02992488	12	-	-
32 (960)	33-400	-	-	02992065	30
33 (1000)	33-430	02992474	12	-	-

READY TO CLEAN CLEAR WIDE MOUTH FRENCH SQUARES

Convenience Pack				Bulk Pack	
Capacity oz (ml)	Neck Finish	Item #	Qty	Item #	Qty
with PP Caps & PTFE Disc Attached					
1 (30)	24-400	02992273	48	-	-
2 (60)	28-400	02992251	48	-	-
4 (120)	33-400	02992242	24	-	-
8 (240)	43-400	02992184	24	-	-
16 (480)	48-400	02992241	24	-	-
32 (960)	58-400	02993058	12	02991156	24

READY TO CLEAN AMBER GLASS JUGS

Capacity oz (ml)	Neck Finish	Item #	Qty
with PP Caps & PTFE Disc Attached			
84 (2500)	38-430	02992061	6
128 (3785)	38-400	02991785	4
135 (4000)	38-434	02992045	4

READY TO CLEAN CLEAR TALL STRAIGHT SIDED ROUNDS

Capacity oz (ml)	Neck Finish	Item #	Qty
with PP Caps & PTFE Disc Attached			
8 (240)	58-400	02992494	24
16 (480)	63-400	02992481	12

READY TO CLEAN AMBER WIDE MOUTH PACKERS

Capacity oz (ml)	Neck Finish	Item #	Qty
with PP Caps & PTFE Disc Attached			
.50 (15)	28-400	02991843	48
1 (30)	28-400	02991762	24
4 (120)	38-400	02992883	12
17 (500)	53-400	02991821	12
32 (950)	53-400	02992616	12
42 (1250)	70-400	02993100	6
84 (2500)	70-400	02992063	12

READY TO CLEAN CLEAR BOROSILICATE VIALS

Size mm	Capacity dram (ml)	Neck Finish	Item #	Qty
with PP Caps & PTFE Disc Attached				
27.25 x 57.5	5 (20)	24-400	02992934	144
27.70 x 95	10 (40)	24-414	02991826	144
29.25 x 81	10 (40)	24-400	02991474	144
27.75 x 140	15 (60)	24-400	02992866	72

READY TO CLEAN CLEAR BOSTON ROUNDS

Convenience Pack				Bulk Pack	
Capacity oz (ml)	Neck Finish	Item #	Qty	Item #	Qty
with PP Caps & PTFE Disc Attached					
4 (120)	22-400	02992240	24	-	-
8 (240)	24-400	02991627	12	02992231	24
16 (480)	28-400	02992228	12	-	-
32 (960)	33-400	02992219	12	-	-

READY TO CLEAN CLEAR GRADUATED MEDIUM ROUNDS

Capacity oz (ml)	Neck Finish	Item #	Qty
with PP Caps & PTFE Disc Attached			
1 (30)	33-400	02991072	48
2 (60)	38-400	02992160	48
4 (120)	48-400	02992172	24
8 (240)	58-400	02992163	24

READY TO CLEAN CLEAR GLASS JUGS

Capacity oz (ml)	Neck Finish	Item #	Qty
with PP Caps & PTFE Disc Attached			
64 (1920)	38-400	02991901	6
128 (3785)	38-400	02991885	4

READY TO CLEAN CLEAR STRAIGHT SIDED ROUNDS

Capacity oz (ml)	Neck Finish	Item #	Qty
with PP Caps & PTFE Disc Attached			
1 (30)	43-400	02992512	48
2 (60)	53-400	02992521	24
4 (120)	58-400	02992530	24
8 (240)	70-400	02992532	24
16 (480)	89-400	02991301	12
32 (960)	89-400	02992516	12

READY TO CLEAN CLEAR STANDARD WIDE MOUTHS

Capacity oz (ml)	Neck Finish	Item #	Qty
with PP Caps & PTFE Disc Attached			
4 (120)	48-400	02992885	24
8 (240)	58-400	02992166	24
16 (480)	63-400	02992877	24
32 (960)	70-400	02992875	12
64 (1920)	83-400	02992795	6
128 (3785)	89-400	02992865	4

VACUUM & IONIZED GLASS BOTTLES

VACUUM & IONIZED CLEAR BOSTON ROUNDS

		Convenience Pack		Bulk Pack	
Capacity oz (ml)	Neck Finish	Item #	Qty	Item #	Qty
with Green Thermoset F217 & PTFE Caps Attached					
1 (30)	20-400	033281A	48	-	-
2 (60)	20-400	02992192	24	-	-
4 (120)	22-400	02992205	24	02992368	160
8 (240)	24-400	02992214	24	02991983	108
16 (480)	28-400	02992202	12	02992627	60
32 (960)	33-400	02991768	12	-	-
with Black Phenolic PolyCone Caps Attached					
4 (120)	22-400	-	-	02992455	160
8 (240)	24-400	-	-	02992541	108
16 (480)	28-400	02992427	12	-	-
32 (960)	33-400	02992311	12	-	-
with Black Phenolic Pulp/Tin Foil Caps Attached					
16 (480)	28-400	-	-	02992320	60
32 (960)	33-400	02992323	12	-	-

VACUUM & IONIZED AMBER WIDE MOUTH PACKERS

		Convenience Pack		Bulk Pack	
Capacity oz (ml)	Neck Finish	Item #	Qty	Item #	Qty
with Green Thermoset F217 & PTFE Caps Attached					
.20 (6)	20-400	-	-	02992648	720
1 (30)	28-400	02991953	24	02992542	432
2 (60)	33-400	02992095	24	02993189	216
4 (120)	38-400	02992093	24	02992798	180
8.5 (250)	45-400	02991959	24	02993005	84
10 (300)	53-400	-	-	02991819	96
17 (500)	53-400	02992098	12	02992946	60
32 (950)	53-400	02992565	12	02993091	36
42 (1250)	70-400	02992643	6	-	-
84 (2500)	70-400	02991842	12	-	-
with Black Phenolic Pulp/Vinyl Caps Attached					
1 (30)	28-400	02992640	24	-	-
2 (60)	33-400	02992727	24	-	-
4 (120)	38-400	02992646	24	-	-
8.5 (250)	45-400	02992720	24	-	-
17 (500)	53-400	02992910	12	-	-
32 (950)	53-400	02992790	12	-	-

VACUUM & IONIZED CLEAR STANDARD WIDE MOUTHS

Capacity dram (ml)	Neck Finish	Item #	Qty
with Green Thermoset F217 & PTFE Caps Attached			
4 (120)	48-400	02992843	24
8 (240)	58-400	02992834	24
16 (480)	63-400	02992797	24
32 (960)	70-400	02992828	12
64 (1920)	83-400	02992340	6
128 (3785)	89-400	02992179	4
with Black Phenolic Solid PE Caps Attached			
4 (120)	48-400	02993068	24
8 (240)	58-400	02993038	24
16 (480)	63-400	02992944	24
32 (960)	70-400	02993141	12
with White PP SturdeeSeal® PE Foam Caps Attached			
4 (120)	48-400	02992884	24
8 (240)	58-400	02992838	24
16 (480)	63-400	02992829	24

VACUUM & IONIZED AMBER BOSTON ROUNDS

		Convenience Pack		Bulk Pack	
Capacity oz (ml)	Neck Finish	Item #	Qty	Item #	Qty
with Green Thermoset F217 & PTFE Caps Attached					
1/2 (15)	18-400	-	-	02992246	720
1 (30)	20-400	-	-	02992356	432
2 (60)	20-400	02992562	24	02991994	288
4 (120)	22-400	02992558	24	02992618	160
8 (240)	24-400	02992721	24	-	-
16 (480)	28-400	02992457	12	02992027	60
17 (500)	38-439	-	-	02992312	24
32 (960)	33-400	02992112	12	-	-
with Black Phenolic PolyCone Caps Attached					
1 (30)	20-400	-	-	02991981	432
2 (60)	20-400	-	-	02991461	288
4 (120)	22-400	-	-	02992243	160
8 (240)	24-400	-	-	02991543	108
16 (480)	28-400	-	-	02992328	60
32 (960)	33-400	-	-	02992041	30

VACUUM & IONIZED CLEAR WIDE MOUTH FRENCH SQUARES

		Convenience Pack		Bulk Pack	
Capacity oz (ml)	Neck Finish	Item #	Qty	Item #	Qty
with Green Thermoset F217 & PTFE Caps Attached					
.50 (15)	20-400	02991803	48	-	-
1 (30)	24-400	02992315	48	-	-
2 (60)	28-400	02992215	48	-	-
4 (120)	33-400	02992207	24	-	-
8 (240)	43-400	02992143	24	-	-
16 (480)	48-400	02992190	24	-	-
32 (960)	58-400	02993045	12	-	-
with Black Phenolic PolyCone Caps Attached					
1 (30)	24-400	-	-	02991820	280
2 (60)	28-400	02991871	144	02991766	240
4 (120)	33-400	02992820	24	02992102	120
with Black Phenolic Solid PE Caps Attached					
4 (120)	33-400	-	-	02991928	120
8 (240)	43-400	-	-	02992333	84
16 (480)	48-400	-	-	02992332	40
32 (960)	58-400	-	-	02992483	24

VACUUM & IONIZED GRADUATED MEDIUM ROUNDS

		Convenience Pack		Bulk Pack	
Capacity oz (ml)	Neck Finish	Item #	Qty	Item #	Qty
with Green Thermoset F217 & PTFE Caps Attached					
1 (30)	33-400	02991800	48	-	-
2 (60)	38-400	02992121	48	-	-
4 (120)	48-400	02992118	24	02992994	144
8 (240)	58-400	02992159	24	-	-
16 (480)	70-400	02992298	24	-	-
with Black Phenolic Solid PE Caps Attached					
1 (30)	33-400	-	-	02991865	432
4 (120)	48-400	-	-	02991874	144
8 (240)	58-400	-	-	02992153	96

VACUUM & IONIZED GLASS BOTTLES

VACUUM & IONIZED CLEAR BOROSILICATE VIALS				
Size mm	Capacity dram (ml)	Neck Finish	Item #	Qty
with Green Thermoset F217 & PTFE Caps Attached				
15 x 45	1 (4)	13-425	02991468	144
17 x 60	2 (7.5)	15-425	02991508	144
19 x 65	3 (11)	15-425	02992637	144
27.25 x 57.5	5 (20)	24-400	02992150	144
27.70 x 95	10 (40)	24-414	02992775	72
with Black Phenolic PolyCone Caps Attached				
15 x 45	1 (4)	13-425	02992132	144
17 x 60	2 (7.5)	15-425	02992802	144
20.7 x 70	4 (15)	18-400	02992537	144
27.25 x 57.5	5 (20)	24-400	02991965	72
25 x 95	8 (30)	22-400	02991506	144

VACUUM & IONIZED AMBER BOROSILICATE VIALS				
Size mm	Capacity dram (ml)	Neck Finish	Item #	Qty
with Green Thermoset F217 & PTFE Caps Attached				
12 x 35	.50 (1.85)	8-425	02992294	144
15 x 45	1 (4)	13-425	02991215	144
17 x 60	2 (7.5)	15-425	02991816	144
20.7 x 70	4 (15)	18-400	02991857	144
27.75 x 57	5 (20)	24-400	02992506	144

VACUUM & IONIZED CLEAR STRAIGHT SIDED ROUNDS			
Capacity dram (ml)	Neck Finish	Item #	Qty
with Green Thermoset F217 & PTFE Caps Attached			
1 (30)	43-400	02992426	48
2 (60)	53-400	02992435	24
4 (120)	58-400	02992097	24
6 (180)	63-400	02993231	24
8 (240)	58-400	02992049	24
8 (240)	70-400	02992788	24
16 (480)	63-400	02992782	12
16 (480)	89-400	02992418	12
32 (960)	89-400	02992079	12
with Black Phenolic Pulp/Tin Foil Caps Attached			
4 (120)	58-400	02992324	24
6 (180)	63-400	02992325	24
32 (960)	89-400	02992327	12
with Black Phenolic Pulp/Vinyl Caps Attached			
1 (30)	43-400	02992454	48
2 (60)	53-400	02992442	24
4 (120)	58-400	02992447	24
16 (480)	89-400	02992326	12
with Black Phenolic Solid PE Caps Attached			
16 (480)	89-400	02992584	12
32 (960)	89-400	02992923	12

VACUUM & IONIZED GLASS JUGS				
Capacity dram (ml)	Neck Finish	Color	Item #	Qty
with Black Phenolic F217 & PTFE Caps Attached				
84 (2500)	38-430	Amber	02992551	6
128 (3785)	38-400	Amber	02992053	4
135 (4000)	38-434	Amber	02992050	4
with Green Thermoset F217 & PTFE Caps Attached				
64 (1920)	38-400	Clear	02991889	6
128 (3785)	38-400	Clear	02991923	4



ULTRA CLEAN GLASS

ULTRA CLEAN CLEAR BOSTON ROUNDS			
Capacity oz (ml)	Neck Finish	Ultra Clean Item #	Qty.
with Green Thermoset F217 & PTFE Caps Attached			
1 (30)	20-400	02992440	48
2 (60)	20-400	02992394	24
4 (120)	22-400	02992441	24
8 (240)	24-400	02992430	24
16 (480)	28-400	02992433	12
32 (960)	33-400	02992424	12

ULTRA CLEAN AMBER BOSTON ROUNDS			
Capacity oz (ml)	Neck Finish	Ultra Clean Item #	Qty.
with Green Thermoset F217 & PTFE Caps Attached			
1 (30)	20-400	02992585	432
2 (60)	20-400	02992676	24
4 (120)	22-400	02992680	24
8 (240)	24-400	02991609	24
16 (480)	28-400	02992678	12

ULTRA CLEAN CLEAR GRADUATED MEDIUM ROUNDS			
Capacity oz (ml)	Neck Finish	Ultra Clean Item #	Qty.
with Green Thermoset F217 & PTFE Caps Attached			
1 (30)	33-400	02992373	48
2 (60)	38-400	02992364	48
4 (120)	48-400	02992366	24
8 (240)	58-400	02992367	24
16 (480)	70-400	02993106	24

ULTRA CLEAN CLEAR STRAIGHT SIDED ROUNDS			
Capacity oz (ml)	Neck Finish	Ultra Clean Item #	Qty.
with Green Thermoset F217 & PTFE Caps Attached			
4 (120)	58-400	02992663	24
8 (240)	58-400	02992306	24
16 (480)	89-400	02992657	12

ULTRA CLEAN GLASS

ULTRA CLEAN CLEAR WIDE MOUTH FRENCH SQUARES

Capacity oz (ml)	Neck Finish	Ultra Clean Item #	Qty.
with Green Thermoset F217 & PTFE Caps Attached			
.50 (15)	20-400	02992450	48
1 (30)	24-400	02992431	48
2 (60)	28-400	02992482	48
4 (120)	33-400	02992446	24
8 (240)	43-400	02992429	24
16 (480)	48-400	02992422	24
32 (960)	58-400	02993123	12

ULTRA CLEAN CLEAR STANDARD WIDE MOUTHS

Capacity oz (ml)	Neck Finish	Ultra Clean Item #	Qty.
with Green Thermoset F217 & PTFE Caps Attached			
4 (120)	48-400	02992993	24
8 (240)	58-400	02992989	24
16 (480)	63-400	02992992	24
32 (960)	70-400	02993235	12
64 (1920)	83-400	02992986	6
128 (3785)	89-400	02992987	4

ULTRA CLEAN AMBER BOROSILICATE VIALS

Size mm	Capacity dram (ml)	Neck Finish	Item #	Qty.
with Green Thermoset F217 & PTFE Caps Attached				
12 x 35	0.50 (1.85)	8-425	02992777	144
15 x 45	1 (4)	13-425	02993073	144
17 x 60	2 (7.5)	15-425	02992778	144
20.7 x 70	4 (15)	18-400	02992490	144
27.5 x 95	10 (40)	24-400	02992766	144

ULTRA CLEAN AMBER WIDE MOUTH PACKERS

Capacity oz (ml)	Neck Finish	Ultra Clean Item #	Qty.
with Green Thermoset F217 & PTFE Caps Attached			
1 (30)	28-400	02992951	24
2 (60)	33-400	02993007	24
4 (120)	38-400	02993087	24
8.5 (250)	45-400	02993035	24
84 (2500)	70-400	02992299	12

ULTRA CLEAN CLEAR CLEAR GLASS JUGS

Capacity oz (ml)	Neck Finish	Ultra Clean Item #	Qty.
with Green Thermoset F217 & PTFE Caps Attached			
64 (1920)	38-400	02992009	6
128 (3785)	38-400	02992000	4

ULTRA CLEAN AMBER GLASS JUGS

Capacity oz (ml)	Neck Finish	Ultra Clean Item #	Qty.
with Black Phenolic F217 & PTFE Caps Attached			
84 (2500)	38-430	02992635	6
128 (3785)	38-400	02992304	4
135 (4000)	38-434	02992723	4

ULTRA CLEAN CLEAR BOROSILICATE VIALS

Size mm	Capacity dram (ml)	Neck Finish	Item #	Qty.
with Green Thermoset F217 & PTFE Caps Attached				
19 x 65	3 (11)	15-425	02992700	144
with Green PP Hole Caps & PTFE/Silicone Septa Attached				
27.25 x 57.5	5 (20)	24-400	02992912	72

CLEANED FOR METALS

CLEANED FOR METALS HDPE COMMERCIAL CYLINDERS

Capacity oz (ml)	Neck Finish	Kaptclean Process	Item #	Qty
with White PP SturdeeSeal® PE Foam Caps Attached				
8 (240)	24-410	Cleaned & Certified	02991306	24
16 (480)	28-400	Cleaned & Certified	02991351	24

CLEANED FOR METALS HDPE STRAIGHT SIDED ROUNDS

Capacity oz (ml)	Neck Finish	Kaptclean Process	Item #	Qty.
with White PP SturdeeSeal® PE Foam Caps Attached				
32 (960)	89-400	Cleaned & Certified	02991213	12

CLEANED FOR METALS HDPE WIDE MOUTH ROUNDS

Capacity oz (ml)	Neck Finish	Kaptclean Process	Item #	Qty.
with White PP SturdeeSeal® PE Foam Caps Attached				
4 (120)	38-400	Cleaned	02991406	475
4 (120)	38-400	Cleaned & Certified	02991386	48
17 (500)	53-400	Cleaned & Certified	02991279	12
32 (950)	53-400	Cleaned & Certified	02991242	12
128 (3840)**	89-400	Cleaned	02991391	4



CLEANED FOR SEMI-VOLATILES

CLEANED FOR SEMI-VOLATILES CLEAR BOSTON ROUNDS

Capacity oz (ml)	Neck Finish	Kapclean Process	Item #	Qty.
with PP Caps & PTFE Disc Attached				
8 (240)	24-400	Cleaned & Certified	02992177	12
16 (480)	28-400	Cleaned & Certified	02991864	12

CLEANED FOR SEMI-VOLATILES AMBER BOSTON ROUNDS

Capacity oz (ml)	Neck Finish	Kapclean Process	Item #	Qty.
with PP Caps & PTFE Disc Attached				
4 (120)	22-400	Cleaned & Certified	02992571	24
16 (480)	28-400	Cleaned & Certified	02992569	12
32 (960)	33-400	Cleaned & Certified	02992439	20
33 (1000)	33-430	Cleaned & Certified	02993203	12

CLEANED FOR SEMI-VOLATILES CLEAR STANDARD WIDE MOUTHS

Capacity oz (ml)	Neck Finish	Kapclean Process	Item #	Qty.
with PP Caps & PTFE Disc Attached				
4 (120)	48-400	Cleaned & Certified	02992887	24
8 (240)	58-400	Cleaned & Certified	02992888	12
16 (480)	63-400	Cleaned & Certified	02992897	12
32 (960)	70-400	Cleaned & Certified	02992830	12

CLEANED FOR SEMI-VOLATILES AMBER WIDE MOUTH PACKERS

Capacity oz (ml)	Neck Finish	Kapclean Process	Item #	Qty.
with PP Caps & PTFE Disc Attached				
1 (30)	28-400	Cleaned & Certified	02992899	24
8.5 (250)	45-400	Cleaned & Certified	02993131	12
17 (500)	53-400	Cleaned & Certified	02992958	12
32 (950)	53-400	Cleaned & Certified	02991840	12

CLEANED FOR SEMI-VOLATILES CLEAR STRAIGHT SIDED ROUNDS

Capacity oz (ml)	Neck Finish	Kapclean Process	Item #	Qty.
with PP Caps & PTFE Disc Attached				
1 (30)	43-400	Cleaned & Certified	02992376	48
4 (120)	58-400	Cleaned & Certified	02992536	24
8 (240)	70-400	Cleaned & Certified	02992043	24
8 (240)	70-400	Cleaned & Certified	02993109	24
16 (480)	89-400	Cleaned & Certified	02992528	12
32 (960)	89-400	Cleaned & Certified	02992075	12

CLEANED FOR SEMI-VOLATILES AMBER JUGS

Capacity oz (ml)	Neck Finish	Kapclean Process	Item #	Qty.
with PP Caps & PTFE Disc Attached				
135 (4000)	38-434	Cleaned & Certified	02992073	4

CLEANED FOR VOLATILES

CLEANED FOR VOLATILES AMBER BOROSILICATE VIALS

Size mm	Capacity dram (ml)	Neck Finish	Kapclean Process	Cleaned Item #	Qty.
with PP Caps & PTFE Disc Attached					
27.75 x 57	5 (20)	24-414	Cleaned & Certified	02991483	80
with PP Hole Caps & PTFE/Silicone Septa Attached					
27.75 x 57	5 (20)	24-414	Cleaned	02992489	144
27.75 x 57	5 (20)	24-414	Cleaned & Certified	02992220	80
27.75 x 95	10 (40)	24-414	Cleaned	02992316	144
27.75 x 95	10 (40)	24-414	Cleaned & Certified	02992300	144
27.5 x 140	15 (60)	24-414	Cleaned	02992566	72
27.5 x 140	15 (60)	24-414	Cleaned & Certified	02992022	72
with Green Thermoset F217 & PTFE Caps Attached					
15 x 45	1 (4)	13-425	Cleaned	02992414	144

CLEAR BOROSILICATE VIALS, CLEANED FOR TOC

Size mm	Capacity oz	Neck Finish	Cleaned Item #	Qty.
with PP Hole Caps & PTFE/Silicone Septa Attached				
27.70 x 95	10 (40)	24-414	02991551	80

CLEANED FOR VOLATILES CLEAR BOROSILICATE VIALS

Size mm	Capacity dram (ml)	Neck Finish	Kapclean Process	Cleaned Item #	Qty.
with PP Caps & PTFE Disc Attached					
27.25 x 57.5	5 (20)	24-414	Cleaned & Certified	02992639	80
27.75 x 140	15 (60)	24-414	Cleaned & Certified	02992718	72
with PP Hole Caps & PTFE/Silicone Septa Attached					
27.25 x 57.5	5 (20)	24-414	Cleaned	02992869	144
29.25 x 81	10 (40)	24-414	Cleaned	02992162	144
with Green Thermoset F217 & PTFE Caps Attached					
15 x 45	1 (4)	13-425	Cleaned	02992305	144
17 x 60	2 (7.5)	15-425	Cleaned	02992626	144
19 x 65	3 (11)	15-425	Cleaned	02992629	144
20.7 x 70	4 (15)	18-400	Cleaned	02992628	144



CLOSURES

GREEN THERMOSET F217 & PTFE LINED CAPS						
Neck Finish	Style	Item #	Caps Per Bag	Total Pieces Per Case	Item #	Qty
Bagged Caps			Bulk Caps			
8-425	Ribbed	02993405	100	500	02991083	24,000
13-425	Ribbed	02993414	100	500	-	-
15-425	Ribbed	02993413	100	500	02991146	11,000
18-400	Ribbed	02993429	100	500	02991208	6,500
20-400	Smooth	02993426	100	500	02991147	4,800
22-400	Smooth	02993396	100	500	02991195	4,600
24-400	Smooth	361019901	100	500	02991148	4,000
28-400	Smooth	361010434	100	500	02991034	3,000
33-400	Smooth	02993422	100	500	02991010	2,100
38-400	Smooth	02993424	100	500	02991059	2,160
43-400	Smooth	02993412	100	500	02991021	1,760
45-400	Smooth	02993408	100	500	02991024	1,520
48-400	Smooth	02993407	100	500	02991012	1,400
53-400	Smooth	02993409	100	500	02991015	1,080
58-400	Smooth	361010373	100	500	02991028	980
63-400	Smooth	02993411	12	288	02991044	740
70-400	Smooth	02993430	12	144	02991017	640
83-400	Smooth	02993425	12	144	02991008	340
89-400	Smooth	02993420	12	144	02991007	304

BLACK PHENOLIC F217 & PTFE LINED CAPS						
Neck Finish	Style	Item #	Caps Per Bag	Total Piece Per Case	Item #	Qty
Bagged Caps			Bulk Caps			
20-400	Ribbed	02993402	12	576	02991131	6,300
22-400	Ribbed	02993376	12	576	02991192	4,400
24-400	Ribbed	02993373	12	576	02991108	3,600
28-400	Ribbed	02993394	12	576	02991112	2,800
33-400	Ribbed	02993401	12	576	02991009	2,150
33-430	Ribbed	02993431	12	576	02991042	1,100
38-400	Ribbed	02993428	12	576	02991057	2,160
38-430	Ribbed	02993338	12	576	02991058	900
38-439	Ribbed	-	-	-	02991020	900
53-400	Smooth	02993421	12	288	02991014	1,080
70-400	Smooth	02993432	12	144	02991011	640

BLACK PHENOLIC PULP/VINYL LINED CAPS						
Neck Finish	Style	Item #	Caps Per Bag	Total Piece Per Case	Item #	Qty.
Bagged Caps			Bulk Caps			
8-425	Ribbed	02993289	12	576	02991341	24,000
13-425	Ribbed	02993281	12	576	02991261	13,500
15-425	Ribbed	02993282	12	576	02991262	11,000
18-400	Ribbed	02993296	12	576	02991137	6,500
20-400	Smooth	02993298	12	576	02991138	4,800
22-400	Smooth	02993285	12	576	02991434	4,600
24-400	Smooth	02993297	12	576	02991340	4,000
24-410	Smooth	02993303	12	576	02991263	2,200
28-400	Smooth	02993310	12	576	02991264	3,000
33-400	Smooth	02993317	12	576	02991080	2,100
38-400	Smooth	02993315	12	576	02991176	2,160
43-400	Smooth	02993336	12	576	02991094	1,760
45-400	Smooth	02993314	12	576	02991066	1,520
48-400	Smooth	02993329	12	576	02991166	1,400
53-400	Smooth	02993331	12	288	02991105	1,080
58-400	Smooth	02993330	12	288	02991159	980
63-400	Smooth	02993345	12	288	02991055	740
70-400	Smooth	02993375	12	144	02991103	640
83-400	Smooth	02993357	12	144	02991071	340
89-400	Smooth	02993369	12	144	02991067	304

BLACK PHENOLIC PULP/ALUMINUM FOIL LINED CAPS						
Neck Finish	Style	Item #	Caps Per Bag	Total Piece Per Case	Item #	Qty.
Bagged Caps			Bulk Caps			
13-425	Ribbed	02993249	12	576	02991256	13,500
15-425	Ribbed	02993248	12	576	02991257	11,000
22-400	Smooth	02993233	12	576	02991431	4,600
24-400	Smooth	02993245	12	576	02991339	4,000
33-400	Smooth	02993228	12	576	02991079	2,400
38-400	Smooth	02993227	12	576	02991149	2,160
43-400	Smooth	02993242	12	576	02991065	1,760
48-400	Smooth	02993239	12	576	02991135	1,400
53-400	Smooth	02993243	12	288	02991085	1,080
58-400	Smooth	02993230	12	288	02991113	980
63-400	Smooth	02993247	12	288	02991029	740
70-400	Smooth	02993241	12	144	02991060	640
89-400	Smooth	02993240	12	144	02991038	304

BLACK PHENOLIC RUBBER LINED CAPS						
Neck Finish	Style	Item #	Caps Per Bag	Total Piece Per Case	Item #	Qty
Bagged Caps			Bulk Caps			
13-425	Ribbed	02993293	12	576	02991342	13,500
15-425	Ribbed	02993301	12	576	02991265	11,000
18-400	Ribbed	02993295	12	576	02991139	6,500
20-400	Smooth	02993284	12	576	02991081	4,800
22-400	Smooth	02993299	12	576	02991207	4,600
24-400	Smooth	02993290	12	576	02991140	4,000
24-414	Ribbed	02993351	12	576	02991064	3,000
28-400	Smooth	02993377	12	576	02991099	3,000
33-400	Smooth	02993316	12	576	02991181	2,100
38-400	Smooth	02993292	12	576	02991045	2,160
43-400	Smooth	02993356	12	576	02991046	1,720
48-400	Smooth	02993374	12	576	02991043	1,400

BLACK PHENOLIC POLYCONE LINED CAPS						
Neck Finish	Style	Item #	Caps Per Bag	Total Piece Per Case	Item #	Qty
Bagged Caps			Bulk Caps			
13-425	Ribbed	02993438	12	576	02991132	13,000
15-425	Ribbed	02993434	12	576	02991133	10,000
18-400	Ribbed	02993436	12	576	02991074	6,500
20-400	Ribbed	02993435	12	576	0288363	5,500
22-400	Ribbed	02993433	12	576	02991076	4,700
24-400	Ribbed	02993439	12	576	02991077	4,200
24-410	Ribbed	02993437	12	576	02991134	2,900
28-400	Ribbed	02993441	12	576	02991174	3,100
33-400	Ribbed	361012194	12	576	02991097	2,200
38-400	Ribbed	02993440	12	576	02991078	1,600

CLOSURES

BLACK PHENOLIC PULP/TIN FOIL LINED CAPS

Neck Finish	Style	Item #	Caps Per Bag	Total Piece Per Case	Item #	Qty
Bagged Caps			Bulk Caps			
13-425	Ribbed	02993333	12	576	02991432	13,500
15-425	Ribbed	02993337	12	576	02991433	11,000
18-400	Ribbed	02993326	12	576	02991258	6,500
20-400	Smooth	02993300	12	576	02991259	4,800
22-400	Smooth	02993323	12	576	02991193	4,600
24-400	Smooth	02993324	12	576	02991136	4,000
28-400	Smooth	02993325	12	576	02991260	3,000
33-400	Smooth	02993327	12	576	02991098	2,100
38-400	Smooth	02993354	12	576	02991104	2,160
43-400	Smooth	02993352	12	576	02991114	1,760
48-400	Smooth	02993353	12	576	02991036	1,400
53-400	Smooth	02993346	12	288	02991115	1,080
58-400	Smooth	02993348	12	288	02991053	980
63-400	Smooth	02993367	12	288	02991027	740
70-400	Smooth	02993347	12	144	02991037	640
89-400	Smooth	02993361	12	144	02991022	304

BLACK PHENOLIC .030" THICK SOLID POLYETHYLENE LINED CAPS

Neck Finish	Style	Item #	Caps Per Bag	Total Piece Per Case	Item #	Qty
Bagged Caps			Bulk Caps			
33-400	Smooth	02993332	12	576	02991206	2,100
38-400	Smooth	02993313	12	576	02991187	2,160
43-400	Smooth	02993339	12	576	02991123	1,760
48-400	Smooth	02993344	12	576	02991158	1,400
53-400	Smooth	02993350	12	288	02991091	1,080
58-400	Smooth	02993364	12	288	02991035	980
63-400	Smooth	02993362	12	288	02991040	740
70-400	Smooth	02993363	12	144	02991052	640
83-400	Smooth	02993291	12	144	02991025	340
89-400	Smooth	02993288	12	144	02991016	304

BLACK POLYPROPYLENE UNLINED CAPS

Neck Finish	Style	Item #	Caps Per Bag	Total Piece Per Case	Item #	Qty.
Bagged Caps			Bulk Caps			
22-400	Ribbed	02993120	100	500	02991266	8,500
24-400	Ribbed	02992703	100	500	02991435	6,500
28-400	Ribbed	02993174	100	500	02991436	5,000
33-400	Ribbed	02992398	100	500	02991437	4,000
33-430	Ribbed	02993132	100	500	02991048	2,000
38-400	Ribbed	02993193	100	500	02991438	2,900
38-430	Ribbed	02993304	100	500	02991082	1,000
43-400	Ribbed	02993229	100	500	02991267	2,200
45-400	Ribbed	02993149	100	500	02991268	2,000
48-400	Ribbed	02993257	100	500	02991141	1,700
53-400	Ribbed	02993071	100	500	02991049	1,300
58-400	Ribbed	02993278	100	500	02991439	1,100
63-400	Ribbed	02992789	12	144	02992671	900
70-400	Ribbed	02993267	12	144	02991344	760
83-400	Ribbed	02992655	12	144	02991175	500
89-400	Ribbed	02993108	12	144	02991121	456

WHITE POLYPROPYLENE STURDEESEAL® PE FOAM LINED CAPS

Neck Finish	Style	Item #	Caps Per Bag	Total Piece Per Case	Item #	Qty
Bagged Caps			Bulk Caps			
20-410	Ribbed	-	-	-	02991440	7,200
24-400	Ribbed	-	-	-	02991441	6,500
24-410	Ribbed	02991918	12	576	02991269	4,300
28-400	Ribbed	02991845	12	576	02991442	4,300
28-410	Ribbed	-	-	-	02991270	2,700
33-400	Ribbed	02991541	12	576	02991271	5,000
38-400	Ribbed	02991837	12	576	02991272	3,750
43-400	Ribbed	02991731	12	576	02991142	3,000
45-400	Ribbed	02992823	12	576	02991443	2,000
48-400	Ribbed	02992741	12	576	02991343	2,500
53-400	Ribbed	02991426	12	288	02991194	2,000
58-400	Ribbed	02992847	12	288	02991143	1,650
63-400	Ribbed	02991741	12	288	02991273	1,250
70-400	Ribbed	02993321	12	144	02991171	760
89-400	Ribbed	02991410	12	144	02991068	450
120-400	Ribbed	02991672	6	72	02991013	210

WHITE POLYPROPYLENE UNLINED CAPS

Neck Finish	Style	Item #	Caps Per Bag	Total Piece Per Case	Item #	Qty.
Bagged Caps			Bulk Caps			
33-400	Ribbed	02992293	12	576	02991444	4,000
38-400	Ribbed	02992625	12	576	02991445	2,900
43-400	Ribbed	02992762	12	576	02991274	2,200
48-400	Ribbed	02993179	12	576	02991144	1,700
53-400	Ribbed	02992237	12	288	02991145	1,300
58-400	Ribbed	02992901	12	288	02991446	1,100
63-400	Ribbed	02992983	12	288	02991447	900
70-400	Ribbed	-	-	-	02991345	760
89-400	Ribbed	02993135	12	144	02991122	456
120-400	Ribbed	02992549	12	72	02991109	242

BLACK PHENOLIC RUBBER BACKED/PTFE FACED LINED CAPS

Neck Finish	Style	Item #	Qty
38-430	Ribbed	02991005	840



CLOSURES

WHITE PP HOLE CAPS W/ BONDED PTFE/SILICONE SEPTA

Neck Finish	Item #	Caps Per Bag	Total Piece Per Case	Item #	Qty
Bagged Caps			Bulk Caps		
28-400	02991201	12	120	02991476	1,000
33-400	02991198	12	120	02991417	1,000

WHITE METAL PLASTISOL LINED CAPS

Neck Finish	Item #	Caps Per Bag	Total Piece Per Case	Item #	Qty
Bagged Caps			Bulk Caps		
38-400	02993388	12	576	02991128	3,800
48-400	02993403	12	576	02991172	2,300
53-400	02993398	12	288	02991062	1,900
58-400	02993415	12	288	02991106	1,900
63-400	02993308	12	288	02991032	1,700
70-400	02993372	12	144	02991069	1,400
70-450	-	-	-	02991157	950
89-400	02993404	12	144	02991092	700

WHITE METAL PULP/PE LINED CAPS

Neck Finish	Item #	Caps Per Bag	Total Piece Per Case	Item #	Qty.
Bagged Caps			Bulk Caps		
28-400	02993393	12	576	02991338	4,600
33-400	02993381	12	576	02991254	3,400
38-400	02993365	12	576	02991190	3,800
43-400	02993389	12	576	02991255	3,100
48-400	02993390	12	576	02991173	2,300
53-400	02993371	12	288	02991096	1,900
58-400	02993383	12	288	02991191	2,000
63-400	02993379	12	288	02991165	1,700
70-400	02993380	12	144	02991090	1,400
89-400	02993419	12	144	02991107	700

F217 FOAM PE LINED TRIGGER SPRAYER PUMPS

Neck Finish	Dip Tube Length	Item #	Caps Per Bag	Total Piece Per Case	Item #	Qty
Bagged Caps			Bulk Caps			
28-400	7-3/8"	02991563	12	144	02991000	375

INDUSTRIAL TRIGGER SPRAYER PUMPS W/ F217 GASKET

Neck Finish	Dropper Length mm	Item #	Qty
28-400	6-5/8"	02991001	250

BLACK POLYPROPYLENE GLASS DROPPER ASSEMBLY

Neck Finish	Dropper Length mm	Item #	Qty	Item #	Qty
Bagged Caps			Bulk Caps		
20-400	74-76	02991799	12	02991466	1,800
20-400	86-88	02991792	12	02992024	1,700
20-400	100-102	02991780	12	02991313	2,160

HOLE CAPS

Color	Material	Neck Finish	Item #	Qty.
Black	Phenolic	13-425	02991125	17,000
Black	Phenolic	15-425	02991126	10,500
Black	Phenolic	18-400	02991430	7,500
Black	Phenolic	20-400	02991252	5,300
Black	Phenolic	22-400	02991061	5,800
Black	Phenolic	24-400	02991188	4,000
Green	Polypropylene	24-410	02993128	100
Green	Polypropylene	24-410	02991127	3,700

WHITE METAL PULP/ALUMINUM FOIL LINED CAPS

Neck Finish	Item #	Caps Per Bag	Total Piece Per Case	Item #	Qty.
Bagged Caps			Bulk Caps		
24-400	02993366	12	576	02991337	6,000
28-400	02993384	12	576	02991189	4,600
33-400	02993392	12	576	02991129	3,400
38-400	02993391	12	576	02991253	3,800
43-400	02993368	12	576	02991130	3,100
48-400	02993418	12	576	02991063	2,300
53-400	02993378	12	288	02991164	1,900
58-400	02993382	12	288	02991180	2,000
63-400	02993370	12	288	02991110	1,700
70-400	02993417	12	144	02991095	1,400
89-400	02993399	12	144	02991111	700

SEPTA AND DISCS

Material	Neck Finish	Convenience Pack		Bulk Pack	
		Item #	Qty	Item #	Qty
Natural & White Septa					
0.060" Natural PTFE/Silicone	20mm	02992289	100	-	-
0.060" White PTFE/Silicone	22mm	02991388	500	-	-
0.125" Natural PTFE/Silicone	24mm	02993125	100	-	-
0.125" Natural PTFE/Silicone	24mm	02991101	8,000	-	-
Discs					
0.010" Natural PTFE	22-400	02993274	500	-	-
0.010" Natural PTFE	24-400	02993063	500	-	-
0.010" Natural PTFE	28-400	02993177	500	-	-
0.010" Natural PTFE	33-400	02993170	500	-	-
0.010" Natural PTFE	33-430	02993252	500	-	-
0.010" Natural PTFE	38-400	02993165	500	02992309	1,000
0.010" Natural PTFE	38-430	02993164	500	-	-
0.010" Natural PTFE	43-400	02993255	500	-	-
0.010" Natural PTFE	45-400	02993161	500	-	-
0.010" Natural PTFE	48-400	02993263	500	-	-
0.010" Natural PTFE	53-400	02993341	500	02992726	1,000
0.010" Natural PTFE	58-400	02993256	500	02992672	1,000
0.010" Natural PTFE	63-400	02993224	144	-	-
0.010" Natural PTFE	70-400	0288214	144	02992893	1,000
0.010" Natural PTFE	83-400	02993166	144	-	-
0.010" Natural PTFE	89-400	02993163	144	02993124	1,000

CLOSURES

POLYPROPYLENE F422 HDPE FOAM LINED CAPS

Neck Finish	Color	Style	Item #	Qty
38-439	White	Ribbed	02991047	1,200
38-439	Black	Ribbed	02991033	1,100

WHITE POLYPROPYLENE FLIP TOP CAPS

Neck Finish	Item #	Caps Per Bag	Total Piece Per Case	Item #	Qty
Bagged Caps			Bulk Caps		
24-410	02992709	12	144	02991177	1,880
28-400	02992736	12	144	02991124	1,800

LDPE YORKER CAPS WITH RED TIPS

Neck Finish	Item #	Qty
24-410	02991084	1,800

WHITE LDPE UNLINED OVER CAPS

Neck Finish	Item #	Qty
18-410	02991100	2,800

PLUG CAPS

Neck Finish	Item #	Qty
18mm	02991782	6,000

CARBOYS, HEADPAKS, WINPAKS, PAILS & CUBITAINERS

HDPE SQUARE HEADPAKS®

Capacity	Neck Finish	Closure Style	UN Marking	Item #	Qty
2 1/2 Gallon	51-400	-	3H1/Y1.5/100	02991298	104
5 Gallon	70-400	Natural PP Gasket Lined	-	02991336	30

LDPE CUBITAINERS® WITH WHITE PP STURDEESEAL PE FOAM LINED CAPS ATTACHED

Capacity	Capacity oz.	Neck Finish	Carton Included	UN Marking	Item #	Qty
1 Quart	32	38-400	No		02991153	144
1 Gallon	128	38-400	Yes		02991765	8
1 Gallon	128	38-400	Yes	4G/Y6/S	02991315	10
5 Gallon	640	38-400	Yes	4G/Y32/S	02991421	48
HDPE Quick Serve Tap for Cubitainers®						
-	-	38mm	-	-	02991362	1



WHITE OPEN HEAD HDPE PAILS

Capacity	Capacity oz	Top Diameter	Bottom Diameter	Height	Item #	Case Pack
HDPE Open Head Pails						
1 Gallon	128	8-1/4"	6-11/16"	7-1/4"	02991363	100
2 Gallon	256	9-7/16"	8-1/4"	9-9/16"	02991372	60
3 1/2 Gallon	448	11-7/8"	10-5/16"	10-7/8"	02991503	18
5 Gallon with Embossed Safety Warning Label	640	11-7/8"	10-1/2"	14-5/8"	02991648	4
5 Gallon with Embossed Safety Warning Label	640	11-7/8"	10-1/2"	14-5/8"	02991051	10
6 Gallon with Embossed Safety Warning Label	768	12-3/8"	10-1/2"	17-3/8"	02991784	10

WHITE HDPE PAIL LIDS

Fits Pail Size	Style	Top Diameter	Height	Item #	Case Pack
1 Gallon	Tear Lid	8-1/4"	1-1/8"	02991162	100
2 Gallon	Plain	9-13/16"	11/16"	02991408	200
3 1/2, 5 & 6 Gallon	UN Plain	12"	1-3/8"	02992155	4
3 1/2, 5 & 6 Gallon	UN Tear Lid	12-1/32"	1-7/16"	02992244	40
3 1/2, 5 & 6 Gallon	UN Sr Riecke Lid	12"	1-3/8"	02993197	32
3 1/2, 5 & 6 Gallon	UN Plain	12"	1-3/8"	02991371	32



CARBOYS, HEADPAKS, WINPAKS, PAILS & CUBITAINERS

HDPE SQUARE CARBOYS

Capacity	Neck Finish	Closure Style	UN Marking	Item #	Qty
5 Gallon	53-400	Natural PP Gasket Lined	3H1/Y1.8/100	02991117	8



HDPE ROUND WINPAKS®

Capacity	Neck Finish	Closure Style	UN Marking	Item #	Qty
5 Gallon	70-400	Natural PP Gasket Lined	1H1/Y1.3/100	02991226	1

BAGS

CLEAR LDPE ZIP BAGS

Size in.	2 MIL Thick		4 MIL Thick	
	Item #	Qty.	Item #	Qty.
1.5 x 2	02991946	1,000	-	-
2 x 2	02991922	1,000	-	-
2 x 3	02991963	1,000	02992950	1,000
2 x 5	02992010	1,000	-	-
2 x 8	02991995	1,000	-	-
2.5 x 3	-	-	02992962	1,000
3 x 3	02991977	1,000	-	-
3 x 4	02992013	1,000	02992960	1,000
3 x 5	02991976	1,000	02992968	1,000
3 x 6	02992005	1,000	-	-
3 x 10	02991991	1,000	-	-
4 x 4	02991967	1,000	02993001	1,000
4 x 6	02992017	1,000	02992961	1,000
4 x 7	02991969	1,000	-	-
4 x 8	02991987	1,000	02992991	1,000
4 x 10	02991984	1,000	-	-
5 x 5	02991999	1,000	-	-
5 x 7	02991989	1,000	-	-
5 x 8	02991990	1,000	02992973	1,000
5 x 10	02992002	1,000	-	-
5 x 12	02991982	1,000	-	-
6 x 4	02992357	1,000	-	-
6 x 6	-	-	02992675	1,000
6 x 8	02992347	1,000	02992685	1,000
6 x 9	02992965	1,000	02992698	1,000
6 x 12	02992980	1,000	-	-
8 x 8	02992981	1,000	02992681	1,000
8 x 10	02992970	1,000	02992686	1,000
9 x 12	02992966	1,000	02992677	500
10 x 10	02992092	1,000	-	-
10 x 12	02992080	1,000	-	-
10 x 13	02992082	1,000	02992088	500
12 x 12	02992091	1,000	02992087	500
12 x 15	02992085	1,000	-	-
13 x 15	02992089	1,000	-	-
13 x 18	02992083	1,000	02992084	500
18 x 24	02992081	500	-	-



CLEAR LDPE ZIP BAGS WITH WRITE-ON BLOCK

Size in.	Block Color	2 MIL Thick		4 MIL Thick	
		Item #	Qty.	Item #	Qty.
4 x 6	Orange	02992982	1,000	-	-
2 x 2	White	02992015	1,000	-	-
2 x 3	White	02991947	1,000	-	-
2.5 x 3	White	-	-	02992974	1,000
3 x 4	White	02991957	1,000	02992990	1,000
3 x 5	White	02992006	1,000	02993002	1,000
4 x 6	White	02991971	1,000	02992964	1,000
4 x 8	White	02991986	1,000	-	-
5 x 8	White	02992001	1,000	02992975	1,000
8 x 10	White	-	-	02992695	1,000
9 x 12	White	02992361	1,000	02992689	500

CLEAR OPEN-END BAGS

Size in.	1.5 MIL Thick		2 MIL Thick		4 MIL Thick	
	Item #	Qty.	Item #	Qty.	Item #	Qty.
4 x 8	-	-	02992971	1,000	-	-
6 x 9	2992687	1,000	-	-	-	-
9 x 12	-	-	-	-	02992684	500
14 x 20	-	-	02991389	250	-	-
20 x 30	02992355	500	-	-	-	-

AMBER LDPE OPEN END BAGS

Size in.	2 MIL Thick	
	Item #	Qty.
3 x 9	02992979	1,000
5 x 7	02992969	1,000
6 x 10	02992679	1,000
8 x 14	02992683	1,000

METAL

UNLINED ROUND METAL CANS

Capacity	Capacity oz	Dimensions	Item #	Qty
With Triple Tite Lid & Securing Clips				
1/4 Pint	4	208 x 200	02991232	48
1/2 Pint	8	214 x 214	02991234	48
1 Pint	16	307 x 314	02991229	24
1 Quart	32	404 x 414	02991227	24
1/2 Gallon	64	506 x 514	02991235	12
1 Gallon	128	610 x 708	02991239	6
With Triple Tite Lid				
1/4 Pint	4	208 x 201	02991223	520
1/2 Pint	8	214 x 214	02991280	340
1 Pint	16	307 x 314	02991282	52
1 Quart	32	404 x 414	02991233	56
1/2 Gallon	64	507 x 514	02991281	75
1 Gallon	128	610 x 708	02991248	46
1 Gallon	128	610 x 708	02991249	46

NATURAL HDPE PAYLINERS

Fits Pail Size	Item #	Qty
5 Gallon	02991228	100

METAL F-STYLE OBLONG CANS

Capacity	Capacity oz	Opening Size	Style	Closure Info	Item #	Qty
1 Pint	16	1-1/4"	Without Handle	Solvseal & Innerseal	02991237	24
1 Pint	16	1-1/4"	Without Handle	-	02991154	225
1 Quart	32	1-1/4"	Without Handle	Solvseal & Innerseal	02991231	24
1 Quart	32	1-1/4"	Without Handle	-	02991238	120
1 Gallon	128	1-1/4"	With Handle	-	02991247	40
1 Gallon	128	1-3/4"	With Handle	Solvseal & Innerseal	02991240	6
1 Gallon	128	1-3/4"	With Handle	-	02991241	40
1 Gallon	128	2-7/8"	With Handle	Solvseal	02991245	40
1 Gallon	128	2-7/8"	With Handle	-	02991246	40

EPOXY LINED ROUND CANS

Opening Size	Style	Item #	Qty
1 Pint	16	02991251	52
1 Quart	32	02991243	56
1 Gallon	128	02991250	46

METAL INNERSEALS FOR F-STYLE CANS

Opening Size	Style	Item #	Qty
1-1/4"	Alpha	02991621	15,000

OPEN TOP RIBBED ENAMEL LINED CANS

Capacity oz	Dimensions	Item #	Qty
105.1	603 x 700	02991291	6

ALPHA CAPS FOR F-STYLE CANS

Opening Size	Liner	Item #	Qty
1-1/4"	Pulp/Alum Foil	02991376	2,700
1-1/4"	Solvseal	02991311	2,700

LAB SUPPLIES

KRAFT SPECIMEN MAILERS

Tube Size	Bottle Capacity oz	Bottle Neck Finish	Item #	Qty
Mailer Only				
1.75" x 4.5"	-	-	02991354	24
2" x 5.5"	-	-	02991356	24
2.5" x 6.5"	-	-	02991355	24
3.125" x 7.75"	-	-	02993272	80
with Clear Glass Boston Round				
1.75" x 4.5"	2	20-400	02992517	24
2" x 5.5"	4	22-400	02992518	24
2.5 x 6.5"	8	24-400	02992513	24
with Clear Glass Graduated Medium Round				
1.75" x 4.5"	2	38-400	02992393	24
2.5 x 6.5"	8	58-400	02992391	24
with HDPE Narrow Mouth Cylinder				
1.75" x 4.5"	2	24-410	02991422	24
2" x 5.5"	4	24-410	02991757	24
2.5 x 6.5"	8	24-410	02992048	24
with HDPE Wide Mouth Round				
1.75" x 4.5"	2	33-400	02991473	24
2" x 5.5"	4	38-400	02991813	24

DISPOSABLE ALUMINUM MOISTURE BALANCE PANS

Size	Item #	Qty
5" dia. x 3/8" deep	02991761	10 packs of 100

ALUMINUM WEIGH DISHES WITH TAB

Diameter	Item #	Qty
43mm	02993147	1,000
57mm	02993217	1,000
70mm	02993211	1,000



HOW TO SELECT THE RIGHT BOTTLE & CLOSURE

The right cap can dramatically improve the performance of a container, and Qorpak has plenty of options to suit any need! Following these steps will help you find the perfect cap and container combination!

CHOOSING A CONTAINER



THINGS TO CONSIDER

- Material
- Style
- Color
- Cleaning Process
- Capacity
- Mouth Opening

WHAT MATERIAL SUITS YOUR NEEDS?

Glass

- Impervious to gas permeation
- Rigid
- Recyclable
- Chemically Inert
- Autoclavable

Plastic

- Recyclable
- Durable
- Variety of Resins
- Impact Resistant
- Light Weight

WHAT TYPE OF GLASS OR PLASTIC RESIN?

Glass

- Type I Borosilicate
- Type III Soda Lime
- Safety Coated

Plastic

- HDPE
- LDPE
- PET
- PP
- PS
- PVC

WHAT CONTAINER STYLE SUITS YOUR NEEDS?

Glass Styles

- Boston Rounds
- French Squares
- Graduated Medium Rounds
- Jugs
- Standard Wide Mouths
- Straight Sided Rounds
- Vials
- Wide Mouth Packers

Plastic Styles

- Boston Rounds
- Cylinders
- Jugs
- Modern Rounds
- Oblongs
- Packers
- Squares
- Straight Sided Rounds
- Vials
- Wide Mouth Rounds

WHAT COLOR GLASS OR PLASTIC?

Common Glass Colors

- Flint (Clear)
- Amber (Light Sensitive)
- Cobalt Blue (Light Sensitive)
- Green (Light Sensitive)

Common Plastic Colors

- Natural (Translucent)
- White
- Clear
- Amber (Light Sensitive)

WHAT CLEANING PROCESS? (OPTIONAL)

Glass

- Ready to Clean
- Semi-Volatiles
- TOC
- Ultra Cleaned
- Vacuum & Ionized
- Volatiles

Plastic

- Metals
- Super Cleaned
- Ultra Cleaned
- Vacuum & Ionized

CHOOSING A CLOSURE



THINGS TO CONSIDER

- Cap Size
- Compatibility with product
- Durability
- Thermal Resistance
- Cap and Liner Material
- Neck Finish

CAP MATERIALS

- Thermoset or Phenolic
 - Widest range of chemical compatibility
 - Most temperature tolerant plastic closure
 - Ideal for Pharmaceutical applications
- Metal
 - Widest range of temperature tolerances
 - Very resistant to damage through impact
 - Great for industrial and food applications
 - Manufactured from steel or aluminum
- Polypropylene
 - Good impact strength
 - Cost effective
 - Pliable

LINER MATERIALS

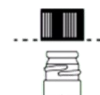
- F217 & PTFE Lined Caps
- Pulp/Vinyl Lined Caps
- PolyCone Lined Caps
- Rubber Lined Caps
- Aluminum Foil Lined Caps
- Tin Foil Lined Caps
- Unlined Caps
- Plastisol Lined Caps
- Pulp/Polyethylene Lined Caps

HOW CLOSURE SIZES ARE DEFINED

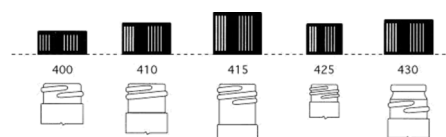
Screw thread closure sizes are measured by 2 numbers:

- The diameter of the closure/bottle opening
 - Expressed in millimeters (mm)
- The GPI thread finish
 - This refers to the height of the cap and the style of the threads on the cap

For example, a closure size of 28-430 has a diameter of 28 mm and fits a container with a 430 GPI thread finish.



COMMON THREAD FINISHES



CLEANED CONTAINERS

All precleaned containers are supplied with caps attached. We offer a wide variety of bottle and closure combinations. Please contact us at **1.800.766.7000** for more information on the bottle/closure/cleaning service combination best suited to your application and for part numbers, pricing, and lead times.

Kaptclean ENVIRONMENTAL CONTAINERS

All of our Kaptclean containers are available Cleaned & Certified or Cleaned only. Certificate of Analysis provides a lot and stock number and meets or exceeds specifications.

READY TO CLEAN: Bottles are fully assembled with closure and ready for your cleaning process. [Page 16](#)

SEMI-VOLATILES: Kaptclean glass sample containers cleaned for semi-volatiles, pesticides, PCBs and metals (protocol A). [Page 20](#)

VOLATILES: Kaptclean sample containers for use in volatile organic analysis (protocol B). [Page 20](#)

METALS: Kaptclean HDPE sample containers cleaned for metals meets or exceeds analyte specifications (protocol C). [Page 19](#)

VACUUM & IONIZATION (V&I)

Contaminants such as loose dirt, carton lint, aerosols, and fine glass particles are removed by the Vacuum and Ionization process. [Pages 17-18](#)

V & I Cleaning Process

1. Compressed air passes through a condensate separator and coalescing filter to remove aerosols and fine dust particles
2. Next, the air passes through an absorbent filter to remove gases
3. A vacuum draws the particulate-laden atmosphere out of the container
4. Individually cleaned closures are immediately placed on the container

Benefits of V & I

- Extremely cost-effective
- Saves time! No need to waste valuable time rewashing bottles.
- Provides a clean final appearance. You will not find any dust particles floating in your samples.
- Seals cleanliness into each individual bottle. Since each container is individually cleaned, they will not collect dust, flies, and other debris while stored.
- Odor-free and tasteless. The air inside the bottle will not interfere with your product in any way.

ADDITIONAL CLEANING PROCEDURES

ULTRA CLEAN Containers feature a proprietary cleaning process that cleans to 100 or fewer particles greater than 5 microns. Designed for those needing containers free from particulate contamination, our cleaning procedures can utilize a variety of cleaning methods including the use of heated high-purity, electronic-grade filtered water, or ultrasonic cleaning, depending on customer requirements. Bottles are quality controlled and certified. [Pages 18-19](#)



BN0613133

For customer service, call 1-800-766-7000.
To fax an order, use 1-800-926-1166.
To order online: www.fishersci.com