



# WHEATON®

## CRIMP SERUM BOTTLES & VIALS



### Product Highlights

#### Plastic

- Made of Polypropylene (PP) or High Density Polyethylene (HDPE)
- Excellent resistance to stress cracks and impact
- Virtually eliminates breakage
- Lightweight
- HDPE: Widely used for animal health products and storage of non-medical products
- PP: Ideal for use in diagnostic kits
- Methods of sterilization:  
PP: autoclave and EtO HDPE: EtO and irradiation
- Custom configurations available upon request
- Lot controlled

#### Glass

- USP Type I clear and amber borosilicate glass
- Amber meets USP for UV light protection
- Superior barrier properties with low extractables and pH stability
- Highest resistance to thermal shock making it applicable for Lyophilization (Freeze Drying)
- Radiused corners and shoulders
- Long-term seal integrity
- Shrink-wrapped modules
- Methods of sterilization: autoclave, dry heat and EtO
- Custom configurations available upon request
- Lot controlled

# CRIMP/SERUM BOTTLES & VIALS

## Glass



Vials



Bottles

### Crimp/Serum Vials

Size (mL)	Mouth OD Size (mm)	Dia x H (mm)	Cat. No.	Pack			Bulk			Pallet				
				Pack Qty	Pack / Pallet	Units / Pallet	Cat. No.	Pack Qty	Pack / Pallet	Units / Pallet	Cat. No.	Units / Module	Modules / Pallet	Units / Pallet
<b>Clear</b>														
2	13	15 x 32	223683	144	45	6,480	W009293SF-EP	3,040	48	145,920	W009373-EP	144	960	138,240
3	13	17 x 38	223684	144	32	4,608	W066052-EP	4,320	16	69,120	W009374-EP	144	624	89,856
3.5	20	21 x 36	—	—	—	—	W008935-EP	1,650	32	52,800	—	—	—	—
5	20	22 x 40	223685	144	32	4,608	W008230SF-EP	1,224	12	14,688	W009375CN-EP	144	400	57,600
10	20	24 x 50	223686	144	18	2,592	W066520SF-EP	1,320	18	23,760	W009376CN-EP	144	240	34,560
15	20	26 x 53	—	—	—	—	W008657-EP	1,100	28	30,800	—	—	—	—
20	20	30.5 x 58	223687	120	32	3,840	W015917-EP	600	27	16,200	W009377CN-EP	120	136	16,320
<b>Amber</b>														
2	13	15 x 32	223693	144	45	6,480	W009591SF-EP	3,040	48	145,920	W009378-EP	144	960	138,240
3	13	17 x 38	—	—	—	—	W008011SF-EP	2,244	32	71,808	—	—	—	—
3.5	20	21 x 36	—	—	—	—	W008934-EP	1,650	32	52,800	—	—	—	—
5	20	22 x 40	223695	144	32	4,608	W009607SF-EP	1,224	36	44,064	W009379-EP	144	400	57,600
10	20	24 x 50	223696	144	18	2,592	W008526SF-EP	1,320	18	23,760	W009380-EP	144	240	34,560
15	20	26.5 x 57	—	—	—	—	W010237-EP	960	24	23,040	—	—	—	—
20	20	30.5 x 58	—	—	—	—	W009194-EP	720	18	12,960	—	—	—	—

### Crimp/Serum Bottle

Size (mL)	Mouth OD (mm)	Dia x H (mm)	Cat. No.	Pack			Bulk			Pallet				
				Pack Qty	Pack / Pallet	Units / Pallet	Cat. No.	Pack Qty	Pack / Pallet	Units / Pallet	Cat. No.	Units / Module	Modules / Pallet	Units / Pallet
<b>Clear</b>														
2	13	15.6 x 36	W223712	288	32	9,216	W013363A	2,575	32	82,400	W015938	515	200	103,000
5	20	23 x 47	223738	288	72	20,736	W012403B	924	40	36,960	W012831AS	231	190	43,890
10	20	25 x 54	223739	288	72	20,736	W002824	780	32	24,960	W010930S	195	170	33,150
20	20	32 x 58	223742	288	40	11,520	W012440A	460	40	18,400	W012439I	115	140	16,100
30	20	37 x 63	223743	288	40	11,520	W012480A	360	40	14,400	W012478	90	160	14,400
50	20	43 x 73	223745	288	18	5,184	W012488A	272	27	7,344	W012487AI	68	140	9,520
60	20	41 x 91	223746	144	18	2,592	—	—	—	—	W002730S	72	110	7,920
100	20	52 x 95	223747	144	18	2,592	W012467A	136	30	4,080	W012465I	68	60	4,080
125	20	54 x 107	223748	144	18	2,592	—	—	—	—	W012492S	48	72	3,456
<b>Amber</b>														
5	20	23 X 47	223760	288	72	20,736	W012438B	924	40	36,960	W012437AS	231	190	43,890
10	20	25 X 54	223761	288	144	41,472	W002837A	780	32	24,960	W011280S	195	170	33,150
20	20	32 X 58	223762	288	40	11,520	W012485A	460	40	18,400	W012484S	115	160	18,400
30	20	37 X 63	223763	288	40	11,520	W012481A	360	40	14,400	W012479S	90	150	13,500
50	20	43 X 73	223764	288	18	5,184	W012447B	272	27	7,344	W012446AS	68	140	9,520
100	20	52 X 95	223766	144	18	2,592	W012468A	136	30	4,080	W012466S	68	66	4,488

\* Shrink-wrapped modules packed on pallets

## Plastic



Polypropylene



HDPE

Size (mL)	Mouth ID x OD Size (mm)	Dia x H (mm)*	Standard Pack Cat. No.	Standard Pack Qty	Bulk Pack Cat. No.	Bulk Pack Qty
<b>Polypropylene</b>						
3	7 x 13	17 x 38	224007	500	W006025A	3,200
3.5	13 x 20	21 x 36	—	—	W008463B	1,800
<b>HDPE</b>						
15	13 x 20	28 x 56	224031	300	W008636	2,062
30	13 x 20	32 x 67	224033	200	W001784	1,680
60	13 x 20	38 x 84	224036	100	W001785A	920
120	13 x 20	47 x 103	224037	100	W001786B	400

\* Dimensions without closure

# ALUMINUM SEALS



Open Top



Tear Off



Center Disc Tear Out



Flip Off, Open Top



Flip Tear Off

## Open Top

OD Size (mm)	Color	Standard Pack Cat. No.	Standard Pack Qty	Bulk Pack Cat. No.	Bulk Pack Qty
13	Natural	224177-01	1,000	W000559J	30,000
13	Blue	224177-05	1,000	W000560J	30,000
13	Red	224177-06	1,000	W013684J	30,000
13	Green	—	—	W015698J	30,000
20	Natural	224178-01	1,000	W000744J	12,500
20	Blue	224178-05	1,000	W013685J	12,500
20	Red	224178-06	1,000	W013686J	12,500
20	Green	224178-07	1,000	W000565J	12,500

## Tear Off

OD Size (mm)	Color	Standard Pack Cat. No.	Standard Pack Qty	Bulk Pack Cat. No.	Bulk Pack Qty
13	Natural	224192-01	1,000	W000628J	40,000
13	Blue	224192-05	1,000	W000579J	40,000
13	Red	224192-06	1,000	W000580J	40,000
13	Green	224192-07	1,000	W000581J	40,000
20	Natural	224193-01	1,000	W000728J	12,500
20	Blue	224193-05	1,000	W000582J	12,500
20	Red	224193-06	1,000	W000583J	12,500
20	Green	224193-07	1,000	W000584J	12,500

## Center Disc Tear Out

OD Size (mm)	Color	Standard Pack Cat. No.	Standard Pack Qty	Bulk Pack Cat. No.	Bulk Pack Qty
13	Natural	224182-01	1,000	W000606J	40,000
13	Blue	224182-05	1,000	W000570J	40,000
13	Red	224182-06	1,000	W000571J	40,000
13	Green	224182-07	1,000	W000572J	40,000
20	Natural	224183-01	1,000	W000706J	12,500
20	Blue	224183-05	1,000	W000573J	12,500
20	Red	224183-06	1,000	W000574J	12,500
20	Green	224183-07	1,000	W000575J	12,500

## Flip Off, Open Top

OD Size (mm)	Color	Standard Pack Cat. No.	Standard Pack Qty	Bulk Pack Cat. No.	Bulk Pack Qty
13	Red	224202	1,000	W000647J	20,000
13	Blue	—	—	W012234J	20,000
13	White	—	—	W012975J	20,000
13	Green	—	—	W013486J	20,000
13	Yellow	—	—	W013493J	20,000
20	Red	224203	1,000	W000738J	10,000
20	Blue	—	—	W015634J	10,000
20	White	W224205	1,000	W012699J	10,000
20	Green	—	—	W012936J	10,000
20	Yellow	—	—	W012837J	10,000

## Flip Tear Off

OD Size (mm)	Color	Standard Pack Cat. No.	Standard Pack Qty	Bulk Pack Cat. No.	Bulk Pack Qty
13	Red	W224207	1,000	W017110	20,000
13	Blue	—	—	W017111	20,000
13	White	—	—	W017112	20,000
13	Green	—	—	W017109	20,000
13	Yellow	—	—	W017113	20,000
20	Red	—	—	W017115A	8,000
20	Blue	—	—	W017116A	8,000
20	White	—	—	W017117A	8,000
20	Green	—	—	W017114A	8,000
20	Yellow	—	—	W017118A	8,000

## Flip Cap - Long Skirt

OD Size (mm)	Color	Standard Pack Cat. No.	Standard Pack Qty
13	Red	224200LS-100	100
13	Blue	224201LS-100	100

# RUBBER STOPPERS

## Ultra Pure Stoppers



Straight Plug



2-Leg Lyophilization



3-Leg Lyophilization



Igloo Lyophilization

Mouth ID x OD (mm)	Style	Stopper Material	Durometer	Standard Pack Cat. No.	Standard Pack Qty	Bulk Pack Cat. No.	Bulk Pack Qty
7 x 13	Straight Plug	Gray Bromobutyl	47	W224100-400	1000	W015360	20,000
7 x 13	Igloo Lyophilization	Gray Bromobutyl	46	W224100-402	1000	W015361	13,000
13 x 20	Straight Plug	Gray Bromobutyl	47	W224100-405	1000	W015363	6,000
13 x 20	2-Leg Lyophilization	Gray Bromobutyl	46	W224100-406	1000	W015362	4,000
13 x 20	3-Leg Lyophilization	Gray Bromobutyl	46	W224100-407	1000	W015364	4,000
13 x 20	Igloo Lyophilization	Gray Bromobutyl	46	—	—	W015365A	4,000

## Complete Coat Stoppers

Mouth ID x OD (mm)	Style	Stopper Material	Durometer	Standard Pack Cat. No.	Standard Pack Qty	Bulk Pack Cat. No.	Bulk Pack Qty
13 x 20	Straight Plug	Gray Bromobutyl	39	W224100-421	1,000	W015367	5,000

## Rubber Stoppers



Straight Plug



Snap-On



2-Leg Lyophilization



3-Leg Lyophilization



Igloo Lyophilization

Mouth ID x OD (mm)	Style	Stopper Material	Durometer	Standard Pack Cat. No.	Standard Pack Qty	Bulk Pack Cat. No.	Bulk Pack Qty
7 x 13	Straight Plug	Natural Red Rubber	40	224100-070	1,000	W001041	25,000
7 x 13	Straight Plug	Gray Bromobutyl	47	W224100-400	1,000	W015360	20,000
7 x 13	Straight Plug	Gray Chlorobutyl-Isoprene Blend / FEP Faced	40	224100-072	1,000	W001043B	30,000
7 x 13	Snap-On	Gray Chlorobutyl	50	W224100-081*	1,000	W015260B***	20,000
7 x 13	Snap-On	Gray Chlorobutyl	50	W224100-082	1,000	W018014	20,000
7 x 13	2-Leg Lyophilization	Gray Chlorobutyl	50	W224100-093**	1,000	W001002C****	18,000
7 x 13	2-Leg Lyophilization	Gray Chlorobutyl	50	W224100-094	1,000	W018015	18,000
7 x 13	Igloo Lyophilization	Gray Bromobutyl	46	W224100-402	1,000	W015361	13,000
13 x 20	Straight Plug	Natural Red Rubber	45	224100-172	1,000	W001105JA	3,000
13 x 20	Straight Plug	Gray Chlorobutyl	46	W224100-173	1,000	W001006B	6,000
13 x 20	Straight Plug	Gray Bromobutyl	47	W224100-405	1,000	W015363	6,000
13 x 20	Straight Plug	Gray Chlorobutyl-Isoprene Blend	50	224100-174	1,000	W001084B	8,000
13 x 20	Straight Plug	Gray Chlorobutyl-Isoprene Blend / FEP Faced	40	224100-175	1,000	W001085B	8,000
13 x 20	Straight Plug	Gray Bromobutyl	39	W224100-421	1,000	W015367	5,000
13 x 20	Straight Plug	Black FKM	55	224100-177	100	W001044J	6,000
13 x 20	Straight Plug	Silicone	55	224100-178	1,000	W017740	6,000
13 x 20	Snap-On	Natural Red Rubber	45	224100-180	1,000	W001008J	6,000
13 x 20	Snap-On	Gray Chlorobutyl	45	W224100-181	1,000	W015258	6,000
13 x 20	Snap-On – Thin Flange	Gray Chlorobutyl	50	W224100-185	1,000	W015888	6,000
13 x 20	2-Leg Lyophilization	Gray Chlorobutyl-Isoprene Blend	50	224100-192	1,000	W001099	5,000
13 x 20	2-Leg Lyophilization	Gray Chlorobutyl	46	W224100-193	1,000	W001094A	4,000
13 x 20	2-Leg Lyophilization	Gray Bromobutyl	46	W224100-406	1,000	W015362	4,000
13 x 20	3-Leg Lyophilization	Gray Chlorobutyl	46	W224100-202	1,000	W015259	4,000
13 x 20	3-Leg Lyophilization	Gray Bromobutyl	46	W224100-407	1,000	W015364	4,000
13 x 20	3-Leg Lyophilization–Thin Flange	Gray Chlorobutyl	55	—	—	W010938A	5,000
13 x 20	Igloo Lyophilization	Gray Bromobutyl	46	—	—	W015365A	4,000

New formulations available:  
 \*W224100-081 now available as W224100-082  
 \*\*W224100-093 now available as W224100-094

New formulations available:  
 \*\*\*W015260B now available as W018014  
 \*\*\*\*W001002C now available as W018015

