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VIALS

Kimble[®], the largest manufacturer of laboratory glassware products in the world, offers the most comprehensive vial and accessory product portfolio into the Life Science and Chemistry market place. Our offerings include vials, caps and septa for any application which involves sample analysis, storage or retrieval. From sample storage vials to plastic scintillation vials, Kimble[®] can provide an answer for even the most obscure application.

33 Expansion Borosilicate Glass Vials Without Caps

- Clear, screw thread sample vials
- Closures not included
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements



Part Number	OD x Height (mm)	GPI Finish; Capacity (mL)	Case Qty
60812-1232	12 x 32	8-425; 1.8	200
60812-1235	12 x 35	8-425; 2	200
60812-1528	15 x 28	13-425; 2	200
60810-1528	15 x 28	13-425; 2	1,000
60812-1545	15 x 45	13-425; 4	200
60812-1738	17 x 38	15-425; 4	200
60812-1940	19 x 40	15-425; 6	200
60810-1940	19 x 40	15-425; 6	1,000
60812-1760	17 x 60	15-425; 8	200
60810-1760	17 x 60	15-425; 8	1,000
60812-1965	19 x 65	15-425; 12	200
60810-1965	19 x 65	15-425; 12	1,000
60812-2170	21 x 70	18-400; 16	200
60810-2170	21 x 70	18-400; 16	1,000
60812-2857	28 x 57	24-400; 20	200
60812-2385	23 x 85	20-400; 24	200
60810-2385	23 x 85	20-400; 24	1,000
60812-2870	28 x 70	24-400; 25	200
60812-2895	28 x 95	24-400; 40	200

33 Expansion Borosilicate Glass Vials with Unattached Black Phenolic Caps and Rubber Liners

- Clear screw thread sample vials
- Closed-top black phenolic closures with rubber liners, unattached
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A



Part Number	OD x Height (mm)	GPI Finish; Capacity (mL)	Case Qty
60812D-12	12 x 35	8-425; 2	200
60940D-12	12 x 35	8-425; 2	2,304
60940D-1	15 x 45	13-425; 4	2,304
60940D-2	17 x 60	15-425; 8	1,728
60940D-3	19 x 65	15-425; 12	1,152
60940D-4	21 x 70	18-400; 16	1,152
60940D-6	23 x 85	20-400; 24	864

33 Expansion Borosilicate Glass Vials with Unattached Black Phenolic Caps and PTFE-faced White Rubber Liners

- Screw thread clear glass sample vials
- Supplied with closed-top black phenolic caps with PTFE-faced white rubber liner, unattached
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements



Part Number	OD x Height (mm)	GPI Finish; Capacity (mL)	Case Qty
60812B-1232	12 x 32	8-425; 1.8	200
60812B-12	12 x 35	8-425; 2	200
60812B-1	15 x 45	13-425; 4	200
60812B-2	17 x 60	15-425; 8	200
60812B-3	19 x 65	15-425; 12	200
60812B-4	21 x 70	18-400; 16	200
60812B-6	23 x 85	20-400; 24	200

33 Expansion Borosilicate Glass Vials with Attached Black Phenolic Caps and Cone-Shaped Polyethylene Liners

- Clear, screw thread sample vials
- Black phenolic cap and cone-shaped polyethylene liner
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A



Part Number	OD x Height (mm)	GPI Finish; Capacity (mL)	Case Qty
60941A-8	17 x 60	15-425; 8	144
60941A-12	19 x 65	15-425; 12	144
60941A-16	21 x 70	18-400; 16	144
60941A-24	23 x 85	20-400; 24	144
60941A-40	28 x 95	24-400; 40	72

33 Expansion Borosilicate Glass Vials with Attached Black Phenolic Caps and White Rubber Liners

- Clear glass sample vials
- Packaged in corrugated trays with partitions
- Closed-top black phenolic closures with white rubber liners, attached
- Small case quantities
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements



Part Number	OD x Height (mm)	GPI Finish; Capacity (mL)	Case Qty
60811D-12	12 x 35	8-425; 2	288
60811D-1528	15 x 28	13-425; 2	200
60811D-1	15 x 45	13-425; 4	144
60811D-11	15 x 45	13-425; 4	144
60811D-1738	17 x 38	15-425; 4	200
60811D-1940	19 x 40	15-425; 6	200
60811D-2	17 x 60	15-425; 8	144
60811D-3	19 x 65	15-425; 12	144
60811D-4	21 x 70	18-400; 16	144
60811D-5	28 x 57	24-400; 20	72
60811D-6	23 x 85	20-400; 24	144
60811D-612	28 x 70	24-400; 25	72
60811D-10	28 x 95	24-400; 40	72

33 Expansion Borosilicate Glass Vials with Attached Black Phenolic Caps and PTFE-faced White Rubber Liners

- Clear glass sample vials
- Packaged in corrugated trays with partitions
- Closed-top black phenolic closures with PTFE-faced white rubber liners, attached
- Small case quantities
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements



Part Number	OD x Height (mm)	GPI Finish; Capacity (mL)	Case Qty
60811B-12	12 x 35	8-425; 2	288
60811B-1	15 x 45	13-425; 4	144
60811B-2	17 x 60	15-425; 8	144
60811B-3	19 x 65	15-425; 12	144
60811B-4	21 x 70	18-400; 16	144
60811B-5	28 x 57	24-400; 20	72
60811B-6	23 x 85	20-400; 24	144
60811B-612	28 x 70	24-400; 25	72
60811B-10	28 x 95	24-400; 40	72

33 Expansion Borosilicate Glass Vials with Attached White Urea Caps and PTFE-faced White Rubber Liners

- Clear glass sample vials
- Closed-top white urea caps with PTFE-faced white rubber liners, attached
- 60940A-4 complies with EPA 600 series methods
- Packaged in corrugated trays with partitions
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements



Part Number	OD x Height (mm)	GPI Finish; Capacity (mL)	Case Qty
60940A-2	12 x 35	8-425; 2	144
60940A-4	15 x 47	13-425; 4	144
60940A-8	17 x 63	15-425; 8	144
60940A-12	19 x 67	15-425; 12	144
60940A-16	21 x 72	18-400; 16	144
60940A-24	23 x 87	20-400; 24	144

33 Expansion Borosilicate Glass Vials with Attached White Polypropylene Caps and PTFE-faced Silicone Septa

- Clear glass sample vials
- Open-top white polypropylene closures with PTFE-faced silicone septa, attached
- Packaged in corrugated trays with partitions
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements



Part Number	OD x Height (mm)	GPI Finish; Capacity (mL)	Case Qty
60811S-5	28 x 57	24-400; 20	72
60811S-10	28 x 95	24-400; 40	72

33 Expansion Borosilicate Glass Vials with Attached Black Polypropylene Caps and PTFE-faced Silicone Septa

- Clear glass screw thread sample vial
- Open-top black polypropylene closures with PTFE-faced silicone septa, attached
- Vials packed in corrugated trays with partitions
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements



Part Number	OD x Height (mm)	GPI Finish; Capacity (mL)	Case Qty
60942A-8	17 x 63	15-425; 8	144
60942A-12	19 x 67	15-425; 12	144
60942A-16	21 x 72	18-400; 16	144
60942A-24	23 x 87	20-400; 24	144
60942A-40	28 x 98	24-400; 40	72

51 Expansion Borosilicate Glass Vials Without Caps

- Screw thread sample vials
- Closures not included
- Manufactured from 51 expansion borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class B requirements



Part Number	OD x Height (mm)	GPI Finish; Capacity (mL)	Case Qty
60910-1	15 x 45	13-425; 4	3456
60910-2	17 x 60	15-425; 8	2160
60910-3	19 x 65	15-425; 12	1,728
60910-4	21 x 70	18-400; 16	1,152
60957-1	28 x 57	24-400; 20	720
60910-6	23 x 85	20-400; 24	864
60910-8	25 x 95	22-400; 30	864
60957-4	28 x 108	24-400; 45	432

51 Expansion Borosilicate Glass Vials with Unattached Black Phenolic Caps and Rubber Liners

- Clear, screw thread sample vials
- Closed-top black phenolic closure with polyvinyl-faced rubber liner, unattached
- Manufactured from 51 expansion borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class B requirements



Part Number	OD x Height (mm)	GPI Finish; Capacity (mL)	Case Qty
60910D-1	15 x 45	13-425; 4	2304
60910D-2	17 x 60	15-425; 8	1,728
60910D-3	19 x 65	15-425; 12	1,152
60910D-4	21 x 70	18-400; 16	1,152
60957D-4	28 x 57	24-400; 20	432
60957D-6	28 x 70	24-400; 24	432
60957D-11	28 x 108	24-400; 45	432

51 Expansion Borosilicate Glass Vials with Unattached Black Phenolic Caps and Polyvinyl-faced Pulp Liners

- Clear screw thread sample vials
- Closed-top black phenolic closures with polyvinyl-faced pulp liner (not attached)
- 60910L series vials are packaged in lab packs
- Manufactured from 51 expansion borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class B requirements



Part Number	OD x Height (mm)	GPI Finish; Capacity (mL)	Case Qty
60910C-12	12 x 35	8-425; 2	2,304
60910L-12	12 x 35	8-425; 2	576
60910C-1	15 x 45	13-425; 4	2,304
60910L-1	15 x 45	13-425; 4	576
60910C-112	16 x 50	13-425; 6	2,304
60910C-2	17 x 60	15-425; 8	1,728
60910L-2	17 x 60	15-425; 8	576
60910C-3	19 x 65	15-425; 12	1,152
60957C-4	28 x 57	24-400; 16	432
60910C-4	21 x 70	18-400; 16	1,152
60957C-6	28 x 70	24-400; 24	432
60910C-6	23 x 85	20-400; 25	864
60910C-8	25 x 95	22-400; 30	576
60957C-11	28 x 108	24-400; 45	432

Amber Vials without Caps

- Amber screw thread sample vials
- Closures not included
- Manufactured from 51 expansion borosilicate amber glass conforming to USP Type I requirements



Part Number	OD x Height (mm)	GPI Finish; Capacity (mL)	Case Qty
60912-1235	12 x 35	8-425; 2	200
60912-1528	15 x 28	13-425; 2	200
60912-1545	15 x 45	13-425; 4	200
60912-1738	17 x 38	15-425; 4	200
60912-1940	19 x 40	15-425; 6	200
60912-1760	17 x 60	15-425; 8	200
60815-1760	17 x 60	15-425; 8	1,000
60815-1965	19 x 65	15-425; 12	1,000
60912-2857	28 x 57	24-400; 20	200
60912-2895	28 x 95	24-400; 40	200

Amber Vials with Unattached Black Phenolic Caps with White Rubber Liners

- Amber glass vials
- Closed-top black phenolic closures with PTFE-faced white rubber liners, unattached
- Manufactured from 51 expansion borosilicate amber glass conforming to USP Type I requirements



Part Number	OD x Height (mm)	GPI Finish; Capacity (mL)	Case Qty
60912D-12	12 x 35	8-425; 2	200
60912D-1	15 x 45	13-425; 4	200
60920D-1	15 x 45	13-425; 4	2304
60912D-2	17 x 60	15-425; 8	200
60920D-4	21 x 70	18-400; 16	1,152
60920D-8	25 x 95	22-400; 30	576

Amber Vials with Unattached Black Phenolic Caps and PTFE-faced White Rubber Liners

- Amber screw thread vials
- Closed-top black phenolic closures with PTFE-faced white rubber liners, unattached
- Manufactured from 51 expansion borosilicate amber glass conforming to USP Type I requirements



Part Number	OD x Height (mm)	GPI Finish; Capacity (mL)	Case Qty
60912B-1232	12 x 32	8-425; 1.8	200
60912B-12	12 x 35	8-425; 2	200
60912B-1	15 x 45	13-425; 4	200
60912B-2	17 x 60	15-425; 8	200

Amber Vials with Attached Black Phenolic Caps and White Rubber Liners

- Amber glass vials
- Packaged in corrugated trays with partitions
- Closed top black phenolic closure with white rubber liners, attached
- Manufactured from 51 expansion borosilicate amber glass conforming to UPS Type I requirements



Part Number	OD x Height (mm)	GPI Finish; Capacity (mL)	Case Qty
60911D-12	12 x 35	8-425; 2	288
60911D-1	15 x 45	13-425; 4	144
60911D-2	17 x 60	15-425; 8	144
60911D-5	28 x 57	24-400; 20	72

Amber Vials with Attached Black Phenolic Caps and Cone-Shaped Polyethylene Liners

- Amber glass screw thread sample vials
- Packaged in corrugated trays with partitions
- Closed-top black phenolic closures with cone-shaped polyethylene liners, attached
- Manufactured from 51 expansion borosilicate amber glass conforming to USP Type I requirements



Part Number	OD x Height (mm)	GPI Finish; Capacity (mL)	Case Qty
60951A-4	15 x 45	13-425; 4	144
60951A-8	17 x 60	15-425; 8	144
60951A-12	19 x 65	15-425; 12	144

Amber Vials with Attached Black Phenolic Caps and PTFE-faced White Rubber Liners

- Amber glass vials
- Packaged in corrugated trays with partitions
- Closed-top black phenolic closures with PTFE-faced white rubber liners, attached
- Manufactured from 51 expansion borosilicate amber glass conforming to USP Type I requirements



Part Number	OD x Height (mm)	GPI Finish; Capacity (mL)	Case Qty
60911B-12	12 x 35	8-425; 2	288
60911B-1528	15 x 28	13-425; 2	200
60911B-1	15 x 45	13-425; 4	144
60911B-1738	17 x 38	15-425; 4	200
60911B-1940	19 x 40	15-425; 6	200
60911B-2	17 x 60	15-425; 8	144
60911B-5	28 x 57	24-400; 20	72
60911B-10	28 x 95	24-400; 40	72

Amber Vials with Attached Open-Top Caps

- Amber screw thread sample vials
- Open-top white polypropylene closures with PTFE-faced silicone septa attached
- Vials packaged in corrugated trays with partitions
- 60911P features 0.005" PTFE-faced septa on 0.120" silicone liner
- 60911S features 0.0055" PTFE-faced septa on 0.06" silicone liner
- Manufactured from 51 expansion borosilicate amber glass conforming to USP Type I requirements



Part Number	OD x Height (mm)	GPI Finish; Capacity (mL)	Case Qty
60911S-5	28 x 57	24-400; 20	72
60911S-10	28 x 95	24-400; 40	72
60911P-10	28 x 95	24-400; 40	72

20 mL Glass Scintillation Vials without Caps

20mL glass scintillation vials without caps. Vials are packaged in cellular trays which have alphanumeric coordinates for fast, easy identification.

- 28 mm OD; 57 mm height
- Closures packed separately in polyethylene bags of 100 pieces
- Each cellular tray contains 100 vials and has alphanumeric coordinates for fast, easy identification
- Five trays per case, shrink-wrapped to preserve cleanliness
- Closures not included
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements



Part Number	Cap Size (mm)	Case Qty
74506-20	22	500

20 mL Glass Scintillation Vials with Unattached Caps

Vials are packaged in cellular trays which have alphanumeric coordinates for fast, easy identification.

- 28 mm OD; 57 mm height
- The wider opening of the 24 mm cap vials facilitates introduction of large size samples.
- Closures packed separately in polyethylene bags of 100 pieces
- Each cellular tray contains 100 vials and has alphanumeric coordinates for fast, easy identification
- Five trays per case, shrink-wrapped to preserve cleanliness
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements



Part Number	Cap Size (mm)	Cap Liner	Case Qty
74510-20	22	Cork-backed Foil	500
74511-20	22	linerless	500
74512-20	22	Pulp-backed Foil	500
74513-20	22	Foamed Polyethylene	500
74515-20	22	Cone-shaped Polyethylene	500
74514-20	24	Foamed Polyethylene	500
74517-20	24	Metal Foil	500
74503-20	24	Cork-backed Foil	500

20 mL Glass Scintillation Vials with Attached Caps

Glass 20mL scintillation vials with attached caps. Vials packaged in cellular trays which have alphanumeric coordinates for fast, easy identification.

- 28 mm OD; 57 mm height
- The wider opening of the 24 mm cap vials facilitates introduction of large size samples.
- Caps attached
- Choice of cap material and liner
- Each tray contains 100 vials
- Five trays per case, shrink-wrapped to preserve cleanliness
- Vials are manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements



Part Number	Cap Size (mm)	Cap Liner	Case Qty
74500-20	22	Cork-backed Foil	500
74501-20	22	Polyethylene	500
74504-20	22	Pulp-backed Foil	500
74505-20	22	Foamed Polyethylene	500
74516-20	22	Cone-shaped Polyethylene	500
74508-20	24	Polyethylene	500
74509-20	24	Metal Foil	500
74502-20	24	Foamed Polyethylene	500
74507-20	24	Metal Foil	500

20 mL Polyethylene Scintillation Vials with Unattached Caps (500/case)

Polyethylene 20mL scintillation vials with unattached caps.

- 28 mm OD; 57 mm height
- 20 mL vials with 22 mm caps
- Choice of cap material and liner
- Vials in cases of 500 are packaged in cellular trays which have alphanumeric coordinates for fast, easy identification.
- Each cellular tray contains 100 vials; five trays per case, shrink-wrapped to preserve cleanliness
- Vials in cases of 1000 are packed in polyethylene bags of 1000 pieces each
- Closures are packed separately in PE bags
- Vials are manufactured from high density polyethylene



Part Number	Cap Liner	Cap Material	Case Qty
58510-20	Cork-backed Foil	Urea	500
58511-20	Foamed Polyethylene	Polypropylene	500
58512-20	Pulp-backed Foil	Polypropylene	500
58515-20	Cone-shaped Polyethylene	Urea	500
58501-20	Pulp-backed Foil	Polypropylene	1,000
58510B-20	Cork-backed Foil	Urea	1,000
58511B-20	Foamed Polypropylene	Polypropylene	1,000

20 mL Polyethylene Scintillation Vials with Attached Caps

Polyethylene 20mL scintillation vials with attached caps. Vials are packaged in cellular trays which have alphanumeric coordinates for fast, easy identification.

- 28 mm OD; 57 mm height
- Caps attached
- Choice of cap material and liner
- Each cellular tray contains 100 vials
- Five trays per case, shrink-wrapped to preserve cleanliness
- Vials are manufactured from high density polyethylene



Part Number	Cap Size (mm)	Cap Liner	Case Qty
58500-20	22	Cork-backed Foil	500
58504-20	22	Pulp-backed Foil	500

7 mL Glass Scintillation Vials with Unattached Caps

These glass SOLVENT SAVER® vials are dimensionally smaller than conventional scintillation vials, permitting a reduction in the amount of solvent required.

- Trays are shrink-wrapped to preserve cleanliness
- Choice of cap material and liner
- Dimensions with closures attached are 17 mm x 57 mm
- Vials are packaged in cellular trays of 200
- Closures are packed in polyethylene bags of 200 pieces in a separate tray of 1000 pieces
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements



Part Number	Cap Size (mm)	Cap Liner	Case Qty
74502-7	15	Cork-backed Foil	1,000
74503-7	15	Pulp-backed Foil	1,000

4 mL Polyethylene Scintillation Shell Vials with Snap-On Caps

These SOLVENT SAVER® vials are designed for beta and gamma counting.

- Dimensionally smaller than conventional scintillation vials, permitting a reduction in the amount of solvent required
- Polyethylene shell vials and linerless polyethylene snap-on closures are packed separately, 1000 per polyethylene bag



Part Number	Overall OD (mm)	Height with Cap (mm)	Case Qty
58552-4	14	56	1,000

7 mL Polyethylene Scintillation Vials with Unattached Caps

Our most economical SOLVENT SAVER® offering.

- 58502-7 is sold in trays; shrink-wrapped trays contain 250 vials each, four trays per case; closures are packaged in polyethylene bags
- 58503-7 is sold in KIM-BULK™ packs; vials and closures are packed separately, 1000 per polyethylene bag
- Dimensions with closures attached are 17 mm x 57 mm
- Vials are manufactured from high density polyethylene



Part Number	Cap Size (mm)	Cap Material	Case Qty
58502-7	15	Polyethylene	1,000
58503-7	15	Polyethylene	1,000

White Polyethylene Closures without Liners

- Closure is made from white polyethylene and is linerless
- Top is suitable for marking
- Closure is not autoclavable
- Ideal for scintillation vials



Part Number	GPI Finish	Case Qty
74522-22400	22-400	1,000

White Polypropylene Closures with Pulp-Backed Aluminum Foil Liners

- Closure is made from white polypropylene and has a pulp-backed aluminum foil liner
- Top is suitable for marking
- Suitable for use with various strong oxidizing agent mixtures
- Ideal for scintillation vials



Part Number	GPI Finish	Case Qty
74521-15425	15-425	1,000
74521-22400	22-400	1,000

White Urea Closure with Cork-Backed Aluminum Foil Liners

- Closure is made from white urea and features a cork-backed aluminum foil liner
- Top is suitable for marking
- Ideal for scintillation vials
- Closure is not autoclavable



Part Number	GPI Finish	Case Qty
74520-15425	15-425	1,000
74520-22400	22-400	1,000

White Urea Closures with PTFE-Faced White Rubber Liners

- Closure is made from white urea and features a foam-backed F-217 PTFE liner
- Liner resists attack from virtually all chemicals at room temperature
- Perfect for long term sample storage
- Provides excellent resilience for a tight seal
- Top is suitable for marking
- Ideal for scintillation vials



Part Number	GPI Finish	Case Qty
74526-22400	22-400	500

White Urea Closures with Cone-Shaped Liners

- Cap is made from white urea and has a polyethylene cone-shaped liner
- Top is suitable for marking
- Closure is not autoclavable
- Ideal for scintillation vials



Part Number	GPI Finish	Case Qty
74525-22400	22-400	1,000

4 mL Dilution Vials with Attached Closures

This dilution vial is ideal for use in research studies.

- 15 mm OD; 45 mm height
- Marked with blue line at 3 mL
- Fully autoclavable
- Can be stored at low temperatures
- Closed top, black phenolic screw cap with white rubber liner, attached
- Packed in corrugated trays with partitions
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements



Part Number	Capacity (mL)	GPI Finish	Case Qty
60811D-312	4	13-425	144

Crimp Finish Headspace Vials

Clear glass vials with 20 mm crimp seal finish are designed to fit most headspace autosamplers.



- Beveled edge finish features a sturdy rim that presses into the septum for a more effective seal
- Flat or modified top style
- Round bottom vials distribute the internal pressure created at high temperatures across the glass surface and are more easily handled by robotic arms that lift the vial from the tray
- Uniform wall thickness for even heat distribution
- Flat top vials have traditional flat finish on top and bottom to maximize heating efficiency
- Headspace vials meet or exceed OEM specifications
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements

Part Number	OD x Height (mm)	Capacity (mL); Style	Case Qty
332346B	23 x 46	10; Modified top	1000
332375	23 x 75	20; Flat top	1000
332375B	23 x 75	20; Modified top	1000
332375BMB	23 x 75	20; Modified top and bottom	1000

Screw Thread Headspace Vials

Clear glass vials with 18 mm screw thread finish are designed for consistent use in magnetized autosamplers.



- 18 mm screw thread finish offers superior sealing characteristics
- Designed for use with thinner septa and ensures a consistently flat surface is available for the magnet
- Round bottom vials distribute the internal pressure created at high temperatures across the glass surface and are more easily handled by robotic arms that lift the vial from the tray
- Uniform wall thickness for even heat distribution
- Headspace vials meet or exceed OEM specifications
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements

Part Number	OD x Height (mm)	Capacity (mL)	Case Qty
332346S	23 x 46	10	1000
332375S	23 x 75	20	1000

Clear Autosampler Vials

- Clear glass autosampler vials
- Available in a variety of standard sizes and finishes
- Packed 100 per tray
- Vials with large opening and/or marking spot available
- Closures not included
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements



Part Number	OD x Height (mm)	Description	Case Qty
331232C	12 x 32	11 mm Crimp	2000
331232CW	12 x 32	11 mm Crimp with marking spot, graduated	2000
331232CL	12 x 32	11 mm Crimp Large Opening	2000
331232CLW	12 x 32	11 mm Crimp Large Opening with Marking Spot	2000
331232S	12 x 32	Screw Thread, 8-425	2000
331232SN	12 x 32	Screw Thread, 9-425	2000
331232SW	12 x 32	Screw Thread, 9-425 w/markings spot, graduated	2000
331232SNW	12 x 32	11 mm Snap Cap Opening with Marking Spot, Graduated	2000
331545S	15 x 45	Screw Thread, 13-425	2000
331545SW	15 x 45	Screw Thread, 13-425, with Marking Spot	2000

Amber Autosampler Vials

- Amber glass autosampler vials
- Available in a variety of standard sizes and finishes
- Packed 100 per tray
- Vials with large opening and/or marking spot available
- Closures not included
- Manufactured from 51 expansion borosilicate amber glass conforming to USP Type I requirements



Part Number	OD x Height (mm)	Finish	Case Qty
511232CA	12 x 32	11 mm Crimp	2000
511232CAW	12 x 32	11 mm Crimp w/markings spot	2000
511232CLA	12 x 32	11 mm Crimp Large Opening	2000
511232CLAW	12 x 32	11 mm Crimp Large Opening with Marking Spot	2000
511232SA	12 x 32	Screw Thread, 8-425	2000
511232DPA	12 x 32	Screw Thread, 9-425	2000
511232SAW	12 x 32	Screw Thread, 9-425 w/markings spot, graduated	2000
511232SAW	12 x 32	11 mm Snap Cap Opening, with Marking Spot, Graduated	2000
511545SA	15 x 45	Screw Thread, 13-425	2000
511545SAW	15 x 45	Screw Thread, 13-425, with Marking Spot	2000

Polypropylene Rack for 12 mm and 16 mm OD Vials

- Disposable polypropylene vial rack
- Lettered and numbered for indexing individual tubes
- Corners interlock for convenient stacking



Part Number	Hole Diameter (mm)	Depth (mm)	Case Qty
749210-0012	12	15	10
749210-0016	16	18	10

EPA Water Analysis Vials without Closures

These clear and amber screw thread EPA vials for the collection and storage of water samples comply with the guidelines for establishing test procedures for the analysis of pollutants (Ref. EPA Methods 601, 602, 603 and 604).



- Open-top closures and PTFE-faced silicone septa or solid-top PTFE-faced white rubber-lined closures are available separately
- While vials are not "pre-cleaned," they are packaged in a plastic shrink wrap module, lehr-clean, as they come from the end of the production lehr and then are placed into a corrugated shelf-pack
- Amber EPA vials are manufactured from 51 expansion borosilicate amber glass conforming to ASTM E438, Type I requirements
- Clear EPA vials are manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements

EPA 40 CFR 136 "Guidelines for Establishing Test Procedures for the Analysis of Pollutants" and EPA 40 CFR 141 "National Interim Primary Drinking Water Regulations; Control of Trihalomethanes in Drinking Water" recommends the use of 28 x 95 mm vial (60958A-912 or 60960A-912) for discrete water sampling. Kimble® also offers the specified open-top closures (73804-24400 and 73806A-24400) as well as the PTFE-faced silicone rubber septum (73818A-24).

Part Number	OD x Height (mm)	GPI Finish; Capacity (mL)	Case Qty
Clear			
60958A-4	28 x 57	24-400; 20	432
60958A-6	28 x 70	24-400; 30	432
60958A-912	28 x 95	24-400; 40	432
60958A-11	28 x 108	24-400; 45	432
60958A-16	30 x 123	24-400; 60	432
Amber			
60960A-4	28 x 57	24-400; 20	432
60960A-912	28 x 95	24-400; 40	432

EPA Water Analysis Vials with Closures

These clear screw thread EPA vials for the collection and storage of water samples comply with the guidelines for establishing test procedures for the analysis of pollutants (Ref. EPA Methods 601, 602, 603 and 604).



- 60961B series has open-top, white polypropylene, screw thread closures with PTFE-faced 14B white rubber septa attached
- 60961C series has open-top, white polypropylene, screw thread closures with PTFE-faced (0.005") silicone rubber (0.120") septa attached
- While vials are not "pre-cleaned," they are packaged in a plastic shrink wrap module, lehr-clean, as they come from the end of the production lehr and then are placed into a corrugated shelf-pack
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements

Part Number	OD x Height (mm)	GPI Finish; Capacity (mL)	Case Qty
60961B-4	28 x 57	24-400; 20	432
60961C-4	28 x 60	24-400; 20	432
60961C-6	28 x 73	24-400; 30	432
60961B-912	28 x 98	24-400; 40	432
60961C-912	28 x 98	24-400; 40	432

ACCUFORM® SSR™ Standard Vials

Kimble® ACCUFORM® SSR™ vials are designed to facilitate reliable storage, retrieval, analysis and delivery of valuable liquid or powder samples.



- Engineered for consistently high performance in laboratory automation equipment
- Smooth, conical interior surfaces facilitate complete sample recovery
- Less than 10 microliters of dead space
- Ideal for high-throughput screening
- Smooth exterior bottoms are perfect for 2D barcoding
- Closures not included
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements

Part Number	OD x Height (mm)	GPI Finish; Capacity (mL)	Case Qty
60680-12	13 x 39	13-425; 2	1,000
60680-1	15 x 45	13-425; 4	1,000
60680-2	18 x 60	15-425; 7	1,000
60680-4	21 x 70	18-400; 15	1,000

ACCUFORM® SSR™ Shoulderless, Straight-Sided Vials

Kimble® ACCUFORM® SSR™ shoulderless, straight-sided vials are designed to facilitate reliable storage, retrieval, analysis and delivery of valuable liquid or powder samples.



- Feature a wider opening for ease of access to the contents
- Engineered for consistently high performance in laboratory automation equipment
- Smooth, conical interior surfaces facilitate complete sample recovery
- Less than 10 microliters of dead space
- Ideal for high-throughput screening
- Smooth exterior bottoms are perfect for 2D barcoding
- Closures not included
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements

Part Number	OD x Height (mm)	GPI Finish; Capacity (mL)	Case Qty
60690-12	13 x 39	15-425; 2	1,000
60690-1	15 x 45	18-400; 4	1,000
60690-2	18 x 60	20-400; 7	1,000
60690-4	21 x 70	24-400; 15	1,000

Mininert® Valves for ACCUFORM® Vials

This Mininert® valve is excellent for sealed tube reactions, long term storage of standards or periodic addition of reactants.



- A push-pull, color-coded, green-for-open, red-for-closed position valve for easy use and long lasting performance
- Contents are accessible with a syringe needle
- Septum seal prevents leakage when using a syringe
- Vial not supplied
- Mininert® is a registered trademark of Dynatech

Part Number	Modified GPI Thread	Fits ACCUFORM® Vials (mL)	Case Qty
749110-0021	13-425	0.3, 1	1
749110-0022	20-400	2, 3, 5	1

Ungraduated ACCUFORM® Aluminum Seal Micro-Vials without Closures

ACCUFORM® micro-vials have a V-shaped interior to enable recovery of a minute residual sample by means of a syringe needle.



- Designed for an aluminum seal
- Ungraduated
- Closures not included
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements

Part Number	OD x Height (mm)	A/S Finish (mm); Capacity (mL)	Case Qty
60730-310	14 x 36	13; 0.3	12

Graduated ACCUFORM® Aluminum Seal Vials without Closures

ACCUFORM® micro-vials have a V-shaped interior to enable recovery of a minute residual sample by means of a syringe needle.



- Designed for an aluminum seal
- Graduated
- Closures not included
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements

Part Number	OD x Height (mm)	A/S Finish (mm); Capacity (mL)	Case Qty
60720-1	14 x 49	13; 1	12
60720-2	21 x 40	20; 2	12
60720-3	21 x 51	20; 3	12
60720-5	21 x 62	20; 5	12

Graduated ACCUFORM® Vials with Attached Open Top Closures and PTFE-Faced Silicone Septa

These ACCUFORM® vials are internally contoured for optimal performance with limited samples. Graduated to ensure more accurate measurements and dispensing



- Tapered bases allow for maximum sample recovery
- Open-top closure and PTFE-faced silicone septa, assembled and attached
- Tapered bases allow for maximum sample recovery
- 60700 series is manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements
- 60705 series is manufactured from 51 expansion borosilicate amber glass conforming to USP, Type I requirements

Part Number	OD x Height (mm)	GPI Finish; Capacity (mL)	Case Qty
Clear			
60700-1	14 x 49	13-425; 1	12
60700-2	21 x 40	20-400; 2	12
60700-3	21 x 51	20-400; 3	12
60700-5	21 x 62	20-400; 5	12
60700-10	25 x 73	24-400; 10	12
Amber			
60705-1	14 x 49	13-425; 1	12
60705-2	21 x 40	20-400; 2	12
60705-3	21 x 51	20-400; 3	12
60705-5	21 x 62	20-400; 5	12

Graduated ACCUFORM® Vials with Attached Solid Top Closures and PTFE-Faced White Rubber Liners

These ACCUFORM® vials are internally contoured for optimal performance with limited samples.



- Graduated to ensure more accurate measurements and dispensing
- Tapered bases allow for maximum sample recovery
- Solid-top closure and PTFE-faced, white rubber liner, assembled and attached
- 60702 series is manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements
- 60707 series is manufactured from 51 expansion borosilicate amber glass conforming to USP, Type I requirements

Part Number	OD x Height (mm)	GPI Finish; Capacity (mL)	Case Qty
Clear			
60702-1	14 x 49	13-425; 1	12
60702-2	21 x 40	20-400; 2	12
60702-3	21 x 51	20-400; 3	12
60702-5	21 x 62	20-400; 5	12
60702-10	25 x 73	24-400; 10	12
Amber			
60707-1	14 x 49	13-425; 1	12
60707-2	21 x 40	20-400; 2	12
60707-3	21 x 51	20-400; 3	12
60707-5	21 x 62	20-400; 5	12

Ungraduated ACCUFORM® Vials with Attached Open Top Closures and PTFE-Faced Silicone Septa

ACCUFORM® vials are internally contoured for optimal performance with limited samples.



- Open-top closure with PTFE-faced silicone attached
- Tapered bases allow for maximum sample recovery
- Ungraduated
- 60710 series is manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements
- 60715 series is manufactured from 51 expansion borosilicate amber glass conforming to USP Type I requirements

Part Number	OD x Height (mm)	GPI Finish; Capacity (mL)	Case Qty
Clear			
60710-110	12 x 32	8-425; 0.1	12
60710-310	14 x 36	13-425; 0.3	12
60710-1	14 x 49	13-425; 1	12
60710-2	21 x 40	20-400; 2	12
60710-3	21 x 51	20-400; 3	12
60710-5	21 x 62	20-400; 5	12
60710-10	25 x 73	24-400; 10	12
Amber			
60715-110	12 x 32	8-425; 0.1	12
60715-310	14 x 36	13-425; 0.3	12
60715-1	14 x 49	13-425; 1	12
60715-2	21 x 40	20-400; 2	12
60715-3	21 x 51	20-400; 3	12
60715-5	21 x 62	20-400; 5	12

Molded Borosilicate Glass Serum Vials without Closures

Autoclavable Kimble® serum bottles and vials are well-suited for the handling, containment, and storage of a variety of liquids including reagents, culture media, chromatography samples, and more. Ideal for packaging and storage where applications of injectable and parenteral solutions require utmost purity.



- Highly resistant to thermal and mechanical shock as well as chemical attack
- Manufactured from USP Type 1 borosilicate molded glass

Part Number	Body OD x Height (mm)	GPI Finish; Capacity (mL)	Case Qty
61000G-5	23 x 47	20A; 5	288
61000G-10	25 x 52	20A; 10	288
61000G-20	33 x 59	20A; 20	288
61000G-30	37 x 66	20A; 30	288
61000G-50	43 x 75	20A; 50	288
61000G-60	40 x 90	20A; 60	144
61000G-100	52 x 94	20A; 100	144
61000G-125	54 x 106	20A; 125	144
61000G-200	65 x 114	20A; 200	24

33 Expansion Tubular Borosilicate Glass Serum Vials without Closures

Autoclavable Kimble® serum vials are ideally suited for the handling, containment, and storage of a variety of liquids, including reagents, vaccines, blood plasma, culture media, chromatography samples, and more.

- Special design provides extra strength for freeze-drying applications
- Serum vials are lighter in weight than molded bottles, with more closely held tolerances and uniformity of glass
- Special blowback design provides ease of use for lyophilization stoppers
- Autoclavable
- Aluminum seals, stoppers and septa are available separately
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements



Part Number	OD x Height (mm)	A/S Finish (mm); Capacity (mL)	Case Qty
62113D-2	15 x 40	13; 2	1,440
62113U-2	15 x 32	13; 2	4,640
62113U-3	17 x 37	13; 3	3,185
62113D-312	18 x 45	13; 3.5	1,440
62113U-5	21 x 38	13; 5	2,352
62121D-5	23 x 47	20; 5	864
62121U-6	22 x 40	20; 6	1,904
62113U-10	24 x 50	13; 10	1,085
62121U-10	24 x 50	20; 10	1,085
62121D-10	25 x 54	20; 10	864
62121D-20	30 x 57	20; 20	720

Amber Glass Serum Vials without Closures

Autoclavable Kimble® serum vials are ideally suited for the handling, containment and storage of a variety of liquids including reagents, culture media, chromatography samples and more.

- Special design provides extra strength for freeze-drying applications
- Serum vials are lighter in weight than molded bottles, with more closely held tolerances and uniformity of glass
- Special blowback design provides ease of use for lyophilization stoppers
- Autoclavable
- Aluminum seals, stoppers and septa are available separately
- Manufactured from 51 expansion borosilicate amber glass conforming to ASTM E438, Type I requirements



Part Number	OD x Height (mm)	A/S Finish (mm); Capacity (mL)	Case Qty
62413D-2	15 x 40	13; 2	1,440
62421D-5	23 x 47	20; 5	864
62421D-10	25 x 54	20; 10	864
62421D-30	30 x 86	20; 30	576

51 Expansion Glass Tooled Vials with Unattached Polyethylene Closures

Tooled neck OPTICLEAR™ vials are excellent for packaging drug products.



- Necks are tooled for an accurate fit with polyethylene closures
- Vials and closures are supplied in both the pack and case quantities
- Supplied with closed-bottom, two-piece closures
- Manufactured from 51 expansion borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class B requirements

Part Number	OD x Height (mm)	Capacity (mL)	Case Qty
60975L-1	15 x 45	4	864
60975L-3	21 x 50	12	432
60975L-4	25 x 52	16	288
60975L-5	27 x 55	20	216

51 Expansion Short Style Glass Shell Vials without Closures

Short-style shell vials are ideal for storing dry products.



- Plain top design
- 74400-2040 vials are for use as sample containers during dilution and titration procedures of chloride determinations
- Lab pack quantities
- Manufactured from 51 expansion borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class B requirements

Part Number	OD x Height (mm)	Capacity (mL)	Case Qty
60931-14	9 x 30	1	1,440
60931-12	12 x 35	2	1,440
60931-1	15 x 45	4	1,440
60931-2	17 x 60	8	864
74400-2040	20 x 40	10	500
60931-4	21 x 70	16	576
60965-4	24 x 62	16	576
60931-6	23 x 85	24	576
60931-8	25 x 95	30	576

51 Expansion Glass Shell Vials with Plug Style Closures

- TITSEAL® vials
- Plain tops
- Open-bottom plug style plastic closures, unattached
- Manufactured from 51 expansion borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class B requirements

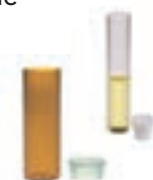


Part Number	OD x Height (mm)	Capacity (mL)	Case Qty
60965D-12	12 x 35	2	2,304
60965D-1	15 x 45	4	2,304
60965D-3	19 x 65	12	1,152
60965D-7	29 x 65	26	432
60965D-120	29 x 94	44	432

51 Expansion Glass Shell Vials with Plug Style Needle Closures

These shell vials are ideal for chromatography applications.

- White polyethylene plug style needle closures, unattached
- Manufactured from 51 expansion borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class B requirements
- 60835D-1544 is manufactured from 51 expansion borosilicate amber glass conforming to USP Type I requirements



Part Number	OD x Height (mm)	Capacity (mL)	Case Qty
60831D-830	8 x 30	0.75	2,000
60831D-843	8 x 43	1	2,000
60831D-1231	12 x 31	2	2,000
60831D-1544	15 x 44	4	2,000
60835D-1544	15 x 44	4	2,000

Caps for EPA Water Analysis Vials



Part Number	Description	Case Qty
73802-24400	24-400 Black Phenolic Cap, Cemented PTFE Faced, White Rubber Liner	144
73804-24400	24-400 Black Phenolic Cap, without Liner, 14 mm Hole ID	144
73808-24400	24-400 Black Polypropylene Cap, PTFE faced/Silicone Welded Line	72
75203G-24400	24-400 Cap, Phenolic, Tin Foil Liner	144
75204G-24400	24-400 Cap, Phenolic, White Rubber Liner	144
75205G-24400	24-400 Cap, Phenolic, Taperseal Liner	144
75206G-24400	24-400 Cap, Phenolic, PTFE Liner	144

Closed Top Linerless Polypropylene Screw Thread Caps

- Economical, one-piece construction in natural or white
- Unique design provides exceptional sealing properties
- Autoclavable
- Designed from ASTM Specification E982



Part Number	GPI Finish	Color	Case Qty
73805B-13415	13-415	Natural	1,000
2513415	13-415	Natural	12000
2513415-B	13-415	Black	12000
73805-15415	15-415	White	1,000
73805B-15415	15-415	Natural	1,000
2515415	15-415	Natural	7000
2515415-B	15-415	Black	7000
73805B-18415	18-415	Natural	500
2518415	18-415	Natural	5000
2518415-B	18-415	Black	5000

Closed Top Polypropylene Screw Thread Caps with Welded PTFE-Faced Silicone Liners



- Welded liner technology eliminates the possibility of glue contamination
- PTFE-faced/general purpose white rubber liners are highly resistant to chemical effects
- Closures are ideal for repeated autoclaving

Part Number	GPI Finish	Case Qty
73808-13415	13-415	288
73808-15415	15-415	288
73808-18415	18-415	288
73808-24400	24-400	72
73808-24410	24-410	144
73808-28400	28-400	48
73808-28410	28-410	36
73808-33430	33-430	48
73808-38430	38-430	48

Open-Top Polypropylene Screw Thread Caps with Red PTFE-Faced Silicone Septa



- Convenient pre-assembled caps and liners reduces the risk of contamination
- Available with standard or pre-slit septa
- Can be used for multiple injections
- Ideal for use with autosampler vials
- Autoclavable

Part Number	GPI Finish	Septa	Case Qty
73812BK-8425	8-425	standard	1000
73813BK-8425	8-425	pre-slit	1000
73812WH-8425	8-425	standard	1000
73813WH-8425	8-425	pre-slit	1000
73812BK-9425	9-425	standard	1000
73813BK-9425	9-425	pre-slit	1000
73812BL-9425	9-425	standard	1000
73813BL-9425	9-425	pre-slit	1000
73812BK-13425	13-425	standard	1000
73813BK-13425	13-425	pre-slit	1000
73812WH-13425	13-425	standard	1000
73813WH-13425	13-425	pre-slit	1000

Open Top Polypropylene Screw Thread Caps with Bonded White PTFE Septa



- Standard (no slit) septa

Part Number	GPI Finish	Case Qty
73814WH-8425	8-425	1000
73814BL-9425	9-425	1000
73814BK-13425	13-425	1000
N73805-24	24-400	144

Magnetic Screw Thread Headspace Vial Caps

Designed to fit 18 mm screw thread headspace vials



- 73880-18 is silver with red PTFE/white silicone press fit septum
- 73885-18 is silver with red PTFE/gray press fit butyl rubber septum

Part Number	PTFE Thickness (mm)	Rubber Thickness (mm)	Case Qty
73880-18	0.08	1.8	1,000
73885-18	0.13	1.4	1,000

Open-Top Polypropylene Screw Thread Caps Without Septa

- Economical, one-piece construction
- Autoclavable
- 73806A-24400 is white; all others are black



Part Number	GPI Finish	Hole ID (mm)	Case Qty
73806A-15425	15-425	8.7	1,000
73806A-18400	18-400	12	1,000
73806A-20400	20-400	12	1,000
73806-24400	24-400	14	1,000
73806A-24400	24-400	14	144

Open Top Phenolic Screw Thread Caps without Liners

- Open top closures with excellent chemical resistance
- Specially formulated phenolic resin to withstand the effects of repeated autoclaving
- Linerless
- Identified in ASTM Specification E982, Class A requirements



Part Number	GPI Finish	Hole ID (mm)	Case Qty
73804-15425	15-425	8.7	144
73804-18400	18-400	12	144
73804-20400	20-400	12	144
73804-24400	24-400	14	144

Black Phenolic Screw Thread Caps with Cone-Shaped LDPE Liners

Black phenolic cap has a securely mounted LDPE cone-shaped liner which offers a two part seal. The closure forms a seal around the rim and the polyseal cone forms a seal against the inner diameter of the vial opening.



- Specially formulated phenolic resin to withstand the effects of repeated autoclaving
- Designed for superior torque retention
- Stress crack resistant
- Excellent for sample storage and re-sealing

Part Number	GPI Finish	Case Qty
73809-13425	13-425	144
73809-15425	15-425	144
73809-18400	18-400	144
73809-20400	20-400	144
73809-22400	22-400	144
75205-20400	20-400	5,500
75205-22400	22-400	4,700
75205-24400	24-400	4,200
75205-28400	28-400	3,100
75205-33400	33-400	2,300
75205-38400	38-400	1,600
75205G-20400	20-400	144
75205G-22400	22-400	144
75205G-24400	24-400	144
75205G-28400	28-400	144
75205G-33400	33-400	144
75205G-38400	38-400	144

Phenolic Screw Thread Caps with PTFE-Faced Rubber Liners

- Excellent for general laboratory use
- Specially formulated phenolic resin and liner adhesive to withstand the effects of repeated autoclaving
- PTFE-faced/general purpose white rubber liners are highly resistant to chemical effects
- Identified in ASTM Specification E982, Class A requirements



Part Number	GPI Finish	Case Qty
73802-8425	8-425	144
45066C-13	13-415	300
73802-13415	13-415	500
45066C-15	15-415	300
73802-15415	15-415	500
73802-15425	15-425	144
73802-18400	18-400	144
45066C-18	18-415	225
73802-20400	20-400	144
73802-22400	22-400	144
73802-24400	24-400	144
45066C-24	24-410	150
45066C-28	28-410	150
73802-33430	33-430	144
45066C-38	38-430	50
73802-38430	38-430	144

Phenolic Screw Thread Caps with Cemented-In Rubber Liners

- Specially formulated phenolic cap material
- Autoclavable
- White rubber liners
- Excellent for general laboratory use
- Identified in ASTM Specification E982, Class A requirements



Part Number	GPI Finish	Case Qty
45066B-13	13-415	300
73800-13415	13-415	1,000
45066B-15	15-415	300
73800-15415	15-415	1,000
45066B-18	18-415	225
73800-18415	18-415	1,000
75204G-20400	20-400	144
75204G-22400	22-400	144
75204G-24400	24-400	144
45066B-24	24-410	150
75204G-28400	28-400	144
14255-28	28-400	150
73803-38430	38-430	144
45066B-28	28-410	150
75204G-38400	38-400	144
73803-33430	33-430	144
45066B-38	38-430	150
75204G-33400	33-400	144
75204G-43400	43-400	144
75204G-45400	45-400	144
75204G-48400	48-400	144
75204G-53400	53-400	144
75204G-58400	58-400	144
75204G-63400	63-400	144
75204G-70400	70-400	144
75204G-89400	89-400	144

Phenolic Screw Thread Caps with Pulp/Vinyl Liners

- Economical general purpose cap/liner combination
- Good chemical resistance to mild acids, alkalis, alcohols, aqueous solutions, oils and solvents
- Not autoclavable
- Specially formulated phenolic cap material
- Polyvinyl-faced pulpboard liner



Part Number	GPI Finish	Case Qty
75201G-20400	20-400	144
75201G-22400	22-400	144
75201G-24400	24-400	144

Phenolic Caps with PTFE-Faced Rubber Liners

- Excellent for general laboratory use
- Specially formulated phenolic resin and liner adhesive to withstand the effects of repeated autoclaving
- PTFE faced/general purpose white rubber liners are highly resistant to chemical effects
- Identified in ASTM Specification E982, Class A requirements



Part Number	GPI Finish	Case Qty
73802-8425	8-425	144
73802-13415	13-415	500
45066C-13	13-415	300
73802-13425	13-425	144
45066C-15	15-415	300
73802-15415	15-415	500
73802-15425	15-425	144
73802-18400	18-400	144
45066C-18	18-415	225
73802-20400	20-400	144
73802-24400	24-400	144
45066C-24	24-410	150
45066C-28	28-410	150
73802-33430	33-430	144
45066C-38	38-430	50
73802-38430	38-430	144

White Urea Screw Thread Caps with PTFE-Faced Foam-Backed Rubber Liners

- White urea
- PTFE-faced foam-backed rubber liner
- Ideal for use with scintillation vials



Part Number	GPI Finish	Case Qty
73802U-8425	8-425	432
73802U-13425	13-425	432
73802U-15425	15-425	432
73802U-18400	18-400	432
73802U-20400	20-400	432
73802U-24400	24-400	432

White Polyethylene Plug-Style Needle Closures

- Designed for shell vials
- Economical



Part Number	Fits Vials	Case Qty
73835-1	60831D-1544, 60835D-1544	2,000
73835-2	60831D-1231	2,000
73835-3	60831D-830, 60831D-843, 60835D-843	2,000

Gray Chlorobutyl Straight-Sided Stoppers

These high quality gray chlorobutyl stoppers are used for research and pharmaceutical packaging applications.



- Universal gray chlorobutyl formulation passes Japanese, European and United States pharmacopeia testing for globally marketed pharmaceutical products
- Formulation contains no plasticizers, 2-mercapto-benzothiazole, nitrosamine precursors or natural rubber latex
- Formulation is applicable to aqueous solutions with a pH range of 2 to 10
- 73811T series has PTFE facing to improve chemical compatibility and minimize surface interactions
- Durometer 50

Part Number	Fits GPI Aluminum Seal Finish	Case Qty
73811-13	13	1,000
73811-21	20	1,000
73811T-13	13	100
73811T-21	20	100

Gray Butyl Rubber Lypholization Style Stoppers

- Designed for aluminum seal finish vials
- Two-leg style reduces possibility of legs sticking together
- Gray high grade butyl rubber, lyophilization style



Part Number	Fits GPI Aluminum Seal Finish	Number of Legs	Case Qty
73828-13	13	2	1,000
73828A-21	20	2	1,000

Gray Butyl Rubber Stoppers

- Designed for aluminum seal finish vials
- Economical alternative for low temperature applications
- Gray butyl rubber



Part Number	Fits GPI Aluminum Seal Finish	Case Qty
73827-11	11	1,000
73827-13	13	1,000
73827-21	21	1,000

Open Style Unlined One Piece Aluminum Seals

- Fits GPI aluminum seal finish 13 and 20
- Allows easy access to septa (not included)



Part Number	Fits GPI Aluminum Seal Finish	Color	Case Qty
73822A-13	13	Natural	1,000
73822B-13	13	Blue	1,000
73822C-13	13	Red	1,000
73822D-13	13	Green	1,000
73822B-20	20	Blue	1,000
73822C-20	20	Red	1,000
73822D-20	20	Green	1,000
N73822A-20	20	Natural	1,000

Button-Top Unlined Aluminum Seals

Safe and easy-to-use flip off seals allow one-handed operation.

- Autoclavable
- Tamper evident
- No sharp metal edges



Part Number	Fits GPI Aluminum Seal Finish	Color	Case Qty
Flip-Off			
73843A-13	13	White	1,000
73843B-13	13	Blue	1,000
73843C-13	13	Red	1,000
73843D-13	13	Green	1,000
73843A-20	20	White	1,000
73843B-20	20	Blue	1,000
73843C-20	20	Red	1,000
73843D-20	20	Green	1,000
Flip-Up/Tear-Off			
73844A-13	13	White	1,000
73844B-13	13	Blue	1,000
73844C-13	13	Red	1,000
Flip-Off/Tear-Off			
73845A-20	20	White	1,000
73845B-20	20	Blue	1,000
73845C-20	20	Red	1,000
73845D-20	20	Green	1,000

Tear-Off Style Unlined One Piece Aluminum Seals

- Tear-off style seal can be completely removed from vial or bottle
- Allows for easy access to vial contents



Part Number	Fits GPI Aluminum Seal Finish	Color	Case Qty
73821-13	13	Natural	1,000
73821C-13	13	Red	1,000
73821D-13	13	Green	1,000
73821-20	20	Natural	1,000
73821B-20	20	Blue	1,000
73821C-20	20	Red	1,000
73821D-20	20	Green	1,000

Aluminum Seals with PTFE-Faced Silicone Septa

- Medium durometer PTFE / silicone septum
- Allows for good resealability, core resistance, multiple injections and easy penetration



Part Number	Fits GPI Aluminum Seal Finish	Case Qty
N73824-11	11	100
N73826-11	11	1000
N73824-13	13	100
N73826-13	13	1000
N73823-13	13	144
N73823-20	20	144
N73823T-20	20	100
N73834B-20	20	1,000
N73824T-20	20	100

Tear-Out Style Unlined One Piece Aluminum Seals

- Center disc tears out, leaving the outside edge of the aluminum seal firmly crimped on the container
- Allows for easy access to septa



Part Number	Fits GPI Aluminum Seal Finish	Color	Case Qty
73820-13	13	Natural	1,000
73820B-13	13	Blue	1,000
73820C-13	13	Red	1,000
73820D-13	13	Green	1,000
73820-20	20 or 20A	Natural	1,000
73820B-20	20	Blue	1,000
73820C-20	20	Red	1,000
73820D-20	20	Green	1,000

Crimper

Manual hand crimper for aluminum seals and vials. Perfect for chromatography and general crimping needs.



Part Number	Cap size (mm)	Case Qty
69902-11	11	1
69902-13	13	1
69902-20	20	1

Decrimper

Manual hand de-crimper for aluminum seals and vials. Perfect for chromatography and general crimping needs.



Part Number	Cap size (mm)	Case Qty
69904-11	11	1
69904-13	13	1
69904-20	20	1

PTFE-Faced Silicone Rubber Septa

- Excellent for use with open-top caps to access container contents with a syringe
- Highly chemically resistant PTFE facing maintains integrity of contents
- Silicone rubber backing allows repeated puncturing through seal
- Resists coring
- Autoclavable
- Recommended for use in all autosamplers using screw thread vials
- 73818A-24 is white PTFE / tan silicone and is recommended for use with EPA vials



Part Number	Thickness - PTFE (inches)	Thickness - Silicon Rubber (inches)	Fits Thread Cap Size (mm)	Case Qty
774161-0008	0.005	0.060	8	48
774161-0013	0.005	0.060	13	48
N73818T-13	0.005	0.060	13	1,000
774161-0015	0.005	0.060	15	48
73818-15	0.005	0.060	15	144
774161-0018	0.005	0.060	18	24
73818-18	0.005	0.060	18	144
73818X-18	0.005	0.090	18	144
774161-0020	0.005	0.060	20	24
73818-20	0.005	0.060	20	144
774161-0024	0.005	0.060	24	24
774161-0924	0.010	0.090	24	24
73818-24	0.005	0.060	24	144
73818A-24	0.005	0.120	24	144
73818X-24	0.010	0.090	24	144

PTFE-Faced Red Rubber Septa

- Economical
- Excellent resealability
- Low extractables
- Highly chemical resistant PTFE facing maintains integrity of contents
- Resists coring



Part Number	Thickness - PTFE (inches)	Thickness - Red Rubber (inches)	GPI Finish	Case Qty
73816-15	0.002	0.060	15-425	144
73816-18	0.002	0.060	18-400	144
73816-20	0.002	0.060	20-400	144
73816-24	0.002	0.060	24-400	144
N73812-13	0.005	0.060	13-425	1,000
N73816T-13	0.002	0.050	13-425	1,000
N73830A-20	0.01	0.115	20 or 20A	1,000
N73832-20	0.25		20 or 20A	100
N73832A-20	0.25		20 or 20A	1,000

Red PTFE-Faced Silicone Rubber Septa

- Highly chemically resistant PTFE-faced silicone rubber maintains integrity of contents
- Excellent compressibility and resealability
- Withstands multiple injections
- Resists coring



Part Number	Thickness - PTFE (inches)	Thickness - Silicon Rubber (inches)	GPI Finish	Shelf-Pack Qty	Case Qty
N73818B-13	0.005	0.070	13-425	100	1,000

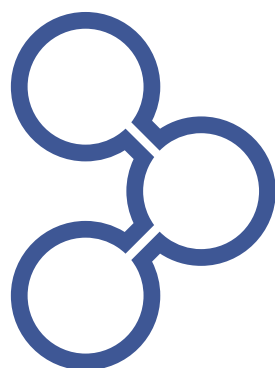
White FEP/Silicone Septa

Designed for use with headspace autosamplers for sealing sample vials used in operating temperature ranges of -60 to 200 °C.



- For aluminum seal finishes

Part Number	Thickness - FEP (inches)	Thickness - Silicon Rubber (inches)	GPI Finish	Case Qty
N73831A-20	0.003	0.120	20 or 20A	1000



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