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DiamondPure™
Chromatography & Headspace Vials



Delivering consistent performance across HPLC and GC workflows.





Chromatography Vials & Closures

Globe Scientific's line of **DiamondPure™** cost-effective chromatography vials is designed to deliver consistent performance across HPLC and GC workflows. Manufactured from Type I borosilicate glass and available in clear or amber, each 2mL vial pairs with a matching DiamondPure™ cap to ensure a secure, instrument-ready seal.

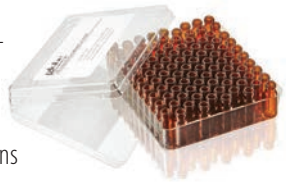
DiamondPure™ chromatography vials feature a large 11mm opening for crimp or snap caps, or a 9mm threaded finish for screw caps — giving laboratories multiple closure options depending on storage, sealing strength, and throughput needs. Every vial is engineered for smooth compatibility with widely used autosamplers.

- High-quality chromatography vials with coordinated closures for consistent, reliable sealing
- Engineered for accuracy and compatibility across leading HPLC and GC applications
- Crimp, snap, or screw-thread formats to match your preferred workflow
- A cost-effective alternative for laboratories seeking performance and value



Key Features & Benefits

- Clear or Amber Type I borosilicate glass
- Suitable for HPLC and GC applications
- Printed fill lines at 0.5mL, 1.0mL, and 1.5mL
- 2mL capacity with 1.8mL working volume
- Available with or without marking spot
- Packaged in 100-pack and 1,000-case options



Chromatography Vials

11mm Large Opening Crimp Neck Vials

Ideal for long-term storage and evaporation-resistant sealing.

- Use with 11mm Aluminum Crimp Seals

11mm Large Opening Snap Neck Vials

Excellent choice for short term storage.

- Use with 11mm Snap Caps

9mm Screw Thread Vials

These vials provide a strong, leak-resistant closure. They are excellent for routine analysis and long-term storage.

- Use with 9mm Top Screw Closures

Available on Request:

Deactivated/silanized or MS (Mass Spectrometry) certified vials for ultra-clean trace-level analysis in LC/MS or GC/MS.

Convenience kits (vial and closure) can be assembled and purchased on special order.

Vial Closures

11mm Aluminum Crimp Seals

For use with 11mm Large Opening Crimp Neck Vials

- PTFE/Red Rubber septum
- Requires a crimper and decapper


Crimp Seal

11mm Polyethylene Natural Snap Caps

For use with 11mm Large Opening Snap Neck Vials

- Red PTFE/White Silicone septum; slit or non-slit


Snap Cap

9mm Polypropylene Open Top Screw Closures

For use with 9mm Screw Thread Vials

- Bonded Red PTFE/White Silicone septum; slit and non-slit options


Screw Closure



Limited Volume Insert for all Large Opening 2mL Vials

- 250 µL glass insert with polypropylene (PP) bottom spring



Headspace Vials & Closures



Globe Scientific's **DiamondPure™** Headspace Vials are engineered for the elevated pressure and temperature conditions required in GC headspace analysis. Manufactured from low-extractable Type I borosilicate glass. These vials pair with a coordinated range of crimp or screw-thread closures to ensure consistent, leak-resistant sealing.

Ideal for residual solvent testing, volatile compounds, flavors, and fragrances — **DiamondPure™** headspace vials bring dependable accuracy to demanding analytical environments.

- Precision-formed vials paired with closures designed specifically for GC headspace sealing
- Secure sealing for reliable, repeatable volatile analysis
- Options for crimp or screw-thread systems depending on autosampler requirements
- A high-value solution for labs of all sizes

Key Features & Benefits

- Low-extractable Type I borosilicate glass
- Clear Type I borosilicate glass
- 6mL, 10mL, and 20mL formats
- Compatible with major GC headspace autosamplers
- Packaged in 100-pack and 1,000-case options



Crimp Top

Headspace Vials

20mm Crimp-Top Headspace Vials

Available with:

- Radius Bottom (common for uniform heating)
- Flat Bottom (instrument-specific compatibility)
- Use with 20mm Aluminum Crimp Seals



Screw Thread Top

18mm Screw-Thread Headspace Vials (CTC Compatible)

- Radius Bottom (common for uniform heating)
- Use with 18mm Steel/Magnetic Screw Closures



Radius Bottom



Flat Bottom

Headspace Closures

20mm Aluminum Crimp Seals

For use with 20mm Crimp-Top Headspace Vials

- PTFE/Clear Silicone septum (2.5 mm)
- Pressure-release closures are available upon request. These specialized seals are scored to vent automatically at 3.0 ± 0.5 bar (approximately 14.5 psi per bar) for added safety



Crimp Seal



Screw Closures

18mm Magnetic Screw Closures

For use with 18mm Screw-Thread Headspace Vials

- Red PTFE/White Silicone septum (1.3mm)
- White PTFE/Blue Silicone septum (1.3mm)



A broad selection of additional vials, closures and accessories are available on request. Please inquire.

Chromatography Vials

Vial Part No.	Color	Size	Neck Finish	Volume	Graduations/ Marking Spot	Opening Style	Units	Closure Part No.
9010002MS	Clear	12x32mm	11mm/Crimp	2mL	Yes	Large	100 & 1,000	9010002CAP-AS-NR
9010002	Clear	12x32mm	11mm/Crimp	2mL	No	Large	100 & 1,000	9010002CAP-AS-NR
9010002AMMS	Amber	12x32mm	11mm/Crimp	2mL	Yes	Large	100 & 1,000	9010002CAP-AS-NR
9010002AM	Amber	12x32mm	11mm/Crimp	2mL	No	Large	100 & 1,000	9010002CAP-AS-NR
9020002MS	Clear	12x32mm	11mm/Snap	2mL	Yes	Large	100 & 1,000	9020002CAP-SR-NR 9020002CAP-SR-NR-S
9020002	Clear	12x32mm	11mm/Snap	2mL	No	Large	100 & 1,000	9020002CAP-SR-NR 9020002CAP-SR-NR-S
9020002AMMS	Amber	12x32mm	11mm/Snap	2mL	Yes	Large	100 & 1,000	9020002CAP-SR-NR 9020002CAP-SR-NR-S
9020002AM	Amber	12x32mm	11mm/Snap	2mL	No	Large	100 & 1,000	9020002CAP-SR-NR 9020002CAP-SR-NR-S
9030002MS	Clear	12x32mm	9mm/Screw	2mL	Yes	Large	100 & 1,000	9030002CAP-SC-BRW 9030002CAP-SC-BRW-S
9030002	Clear	12x32mm	9mm/Screw	2mL	No	Large	100 & 1,000	9030002CAP-SC-BRW 9030002CAP-SC-BRW-S
9030002AMMS	Amber	12x32mm	9mm/Screw	2mL	Yes	Large	100 & 1,000	9030002CAP-SC-BRW 9030002CAP-SC-BRW-S
9030002AM	Amber	12x32mm	9mm/Screw	2mL	No	Large	100 & 1,000	9030002CAP-SC-BRW 9030002CAP-SC-BRW-S

Chromatography Vial Closures

Part No.	Desription	Units
9010002CAP-AS-NR	Aluminum Crimp Seal for 2mL Chromatorgraphy Vial, 11mm, Natural, PTFE/Red Rubber Septum	100 & 1,000
9020002CAP-SR-NR	Snap Cap for 2mL Chromatography Vial, Natural, 11mm, Red PTFE/Silicone Septum	100 & 1,000
9020002CAP-SR-NR-S	Snap Cap for 2mL Chromatography Vial, Natural, 11mm, Red PTFE/Silicone Septum, Pre-slit	100 & 1,000
9030002CAP-SC-BRW	Screw Cap for 2mL Chromatography Vial, Blue Open Top, 9mm, Bonded Red PTFE/White Silicone Septum	100 & 1,000
9030002CAP-SC-BRW-S	Screw Cap for 2mL Chromatography Vial, Blue Open Top, 9mm, Bonded Red PTFE/White Silicone Septum, Pre-slit	100 & 1,000

Limited Volume Insert for Chromatogrpahy Vials

Part No.	Desription	Units
9060001	Chromatography Vial Insert, 250uL, Clear Glass, Fits Large Opening 2mL Vials, PP Bottom Spring, 6 x 29mm	100 & 1,000

Headspace Vials

Vial Part No.	Color	Size	Neck Finish	Volume	Opening Style	Bottom Style	Units	Closure Part No.
9040006RB	Clear	22x38mm	20mm/Crimp	6mL	Tapered	Radius	100 & 1,000	9040000CAP-AS-N
9040010RB	Clear	22.6x46mm	20mm/Crimp	10mL	Tapered	Radius	100 & 1,000	9040000CAP-AS-N
9040020RB	Clear	22.6x75mm	20mm/Crimp	20mL	Tapered	Radius	100 & 1,000	9040000CAP-AS-N
9040006FB	Clear	22x38mm	20mm/Crimp	6mL	Tapered	Flat	100 & 1,000	9040000CAP-AS-N
9040010FB	Clear	22.6x46mm	20mm/Crimp	10mL	Tapered	Flat	100 & 1,000	9040000CAP-AS-N
9040020FB	Clear	22.6x75mm	20mm/Crimp	20mL	Tapered	Flat	100 & 1,000	9040000CAP-AS-N
9050020RB	Clear	22.6x75.5mm	18mm/Screw	20mL	Standard	Radius	100 & 1,000	9050000CAP-SM-RW 9050000CAP-SM-WB

Headspace Vial Closures

Part No.	Desription	Units
9040000CAP-AS-N	Aluminum Seal for 6mL, 10mL, 20mL Headspace Vial, Crimp Closure, 20mm, PTFE/Clear Silicone, 2.5mm	100 & 1,000
9050000CAP-SM-RW	Steel/Magnetic Screw Cap for 20mL Headspace Vial, 18mm, CTC Compatible, Red PTFE/White Silicone, 1.3mm	100 & 1,000
9050000CAP-SM-WB	Steel/Magnetic Screw Cap for 20mL Headspace Vial, 18mm, CTC Compatible, White PTFE/Blue Silicone, 1.3mm	100 & 1,000

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