

BIOCLOSURE™ SYSTEMS

PLATINUM CURED SILICONE



Manufactured from USP Class VI, platinum-cured silicone elastomer, AdvantaPure's BioClosure Systems offer the utmost in purity. They're clean room manufactured, biologically safe, and work with vessels of glass, metal, or plastic. Stoppers, caps, inserts for True Unions and GL45's, and other styles, with or without tubing, are available.

BioClosure Systems are not intended for implantation or continuous steam applications.



KEY FEATURES

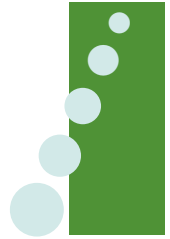
- Ideally suited for pharmaceutical, biotech, and laboratory environments
- Silicone elastomer meets USP Class VI, FDA CFR 177.2600, ISO 10993-18, European Pharmacopoeia 3.1.9, and other industry standards
- Manufactured and packaged in a Class 7 (Class 10,000) ISO-certified clean room
- Documented lot traceable
- For single or repeated use – sterilizable through autoclave or gamma radiation
- Single use applications reduce cleaning and validation requirements and costs, plus cross contamination risks
- Smooth, gap-free surfaces for a true seal and a secure environment
- Longer life expectancy, more consistent performance, and higher purity than parts made from rubber materials
- Resistant to cracking and particle migration
- No taste or odor transfer
- Excellent chemical resistance properties
- Withstands temperatures ranging between -100°F (-73.3°C) and 400°F (204.4°C)
- Select stopper sizes available; other closures custom manufactured
- For use with flexible container systems, laboratory apparatus and bottles, and sampling and storage receptacles of glass, plastics, or metal
- Available with tubing installed
- Validation and extractables test portfolios available upon request

SILICONE

www.advantapure.com

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■ AdvantaPure's BioClosure Systems are manufactured from pure silicone that's free of animal-derived ingredients. Your processes stay biologically safe.



■ Stoppers, caps, inserts for True Unions and GL45s, and other styles, available with or without tubing, are available. Stopper sizes range from 2 to 12. Other items are custom manufactured.

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■ A securely sealed bioprocessing system is critical. That's why BioClosure Systems are clean room manufactured with platinum cured silicone following strict tolerance requirements.



STOPPER SPECIFICATIONS



Product Number	Size	Top Diameter		Bottom Diameter		Height	
		(in.)	(mm)	(in.)	(mm)	(in.)	(mm)
APSTOPPER-2	2	0.794	20.17	0.640	16.26	1.000	25.40
APSTOPPER-4	4	1.039	26.39	0.808	20.52	1.000	25.40
APSTOPPER-6	6	1.269	32.23	1.051	26.70	1.000	25.40
APSTOPPER-7	7	1.453	36.91	1.188	30.18	1.000	25.40
APSTOPPER-8	8	1.627	41.33	1.318	33.48	1.000	25.40
APSTOPPER-9	9	1.792	45.52	1.488	37.80	1.000	25.40
APSTOPPER-10	10	2.000	50.80	1.685	42.80	1.000	25.40
APSTOPPER-12	12	2.686	68.22	2.000	50.80	1.500	38.10

NOTE: Sizes 2 through 9 are packaged and sold in increments of 10 pieces per size. Sizes 10 and 12 are packaged and sold in increments of 5 pieces per size.

- Use as a disposable item to reduce cross contamination risks, cleaning requirements, and validation time and costs.



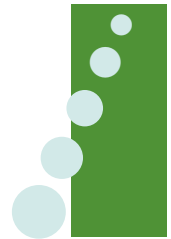
- Standard size bottle stoppers are available with tubing already attached to speed your installation, reduce multiple product inventories, and save labor costs.



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SINGLE USE SYSTEMS

Eliminate production stoppages for sterilization, reduce the risk of contamination, and increase efficiency by incorporating Single Use Systems from AdvantaPure. Single Use Systems, or SUS, simplify cleaning validations—use once and discard.

Each SUS is custom made using platinum-cured, Class VI silicone tubing or hose, molded fittings, BioClosure Systems, filters, bags, bottles, labels and tracking options, and other components.

Contact an AdvantaPure representative today to discuss your application.

SILICONE

Purity in Fluid Flow Systems®

AdvantaPure's BioClosure Systems are part of a complete line of products for the Pharmaceutical, Biomedical, Cosmetic, and Food industries. Items available include . . .



Made in U.S.A.

- Unreinforced, 50 Shore A, platinum-cured silicone tubing
- Braid-reinforced, platinum-cured silicone hose
- Wire and mesh reinforced, mandrel-wrapped, platinum-cured silicone suction hose
- Stainless steel overbraided PTFE hose; rubber-covered FEP and EPDM hose
- Sanitary fittings and complete hose assemblies including molded silicone ends
- Identification solutions including the P•E•T Process Equipment Tracking® ID & Lifecycle Analysis System
- Silicone injection molding capabilities – manifolds and single use systems

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AdvantaPURE
NEWAGE INDUSTRIES



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for Your Benefit

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