



Autosampler vials

Catalogue V.27

ANPEL Laboratory

Introduction

Development of ANPEL

ANPEL Laboratory Technologies (Shanghai) Inc. (Stock Code: 832021)

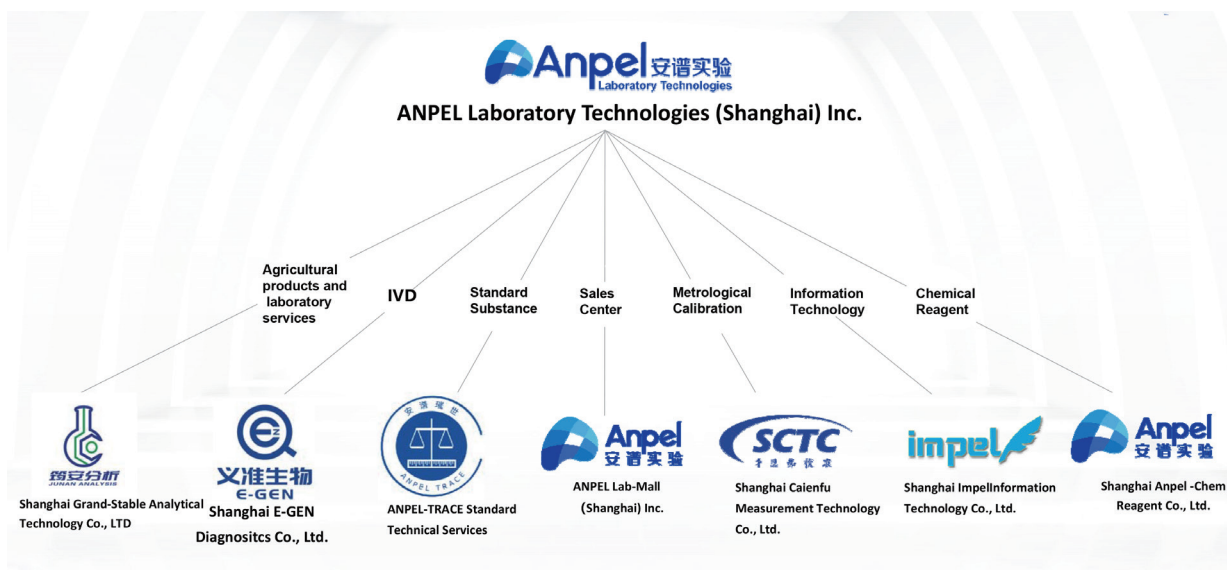
Established in 1997, located in Songjiang, Shanghai. ANPEL is a high technology enterprise integrating research and development, production, sales, and services. The company owns two major independent brands, CNW and Anpel, and ranks among the forefront of the laboratory consumables industry in China. ANPEL specializes in the food, environmental, chemical, and pharmaceutical industries, providing over 650,000 types of laboratory consumables and products worth 150 million in stock to government third-party testing, university research, and large-scale manufacturing enterprise laboratories, offering a one-stop service for laboratory consumables.

Since its establishment, the company has passed the certifications ISO9001, ISO14001, ISO45001, ISO17025 etc.

The company has a global sales network and deeply rooted in the testing industry: ANPEL has business transactions with more than 10,000 professional laboratories in China, such as SGS, CTI, GRGTest, Bureau Veritas, etc., scientific research institutions such as Peking University, Tsinghua University, Nanjing University, Fudan University, and various institutions of the Chinese Academy of Sciences, government agencies such as customs and quality inspection, as well as numerous manufacturing enterprises such as Yili, Monmilk, COFCO, Yihai Kerry, etc.

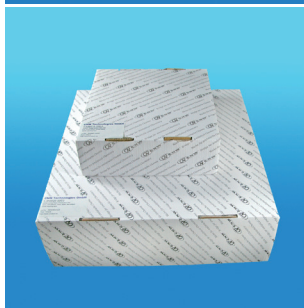
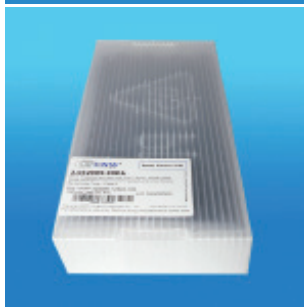
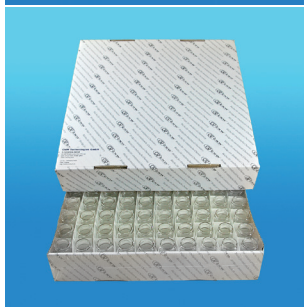
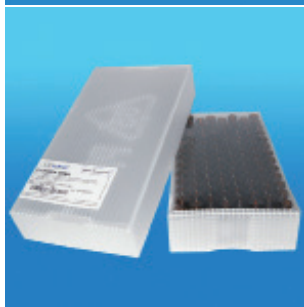
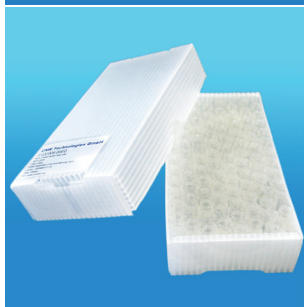
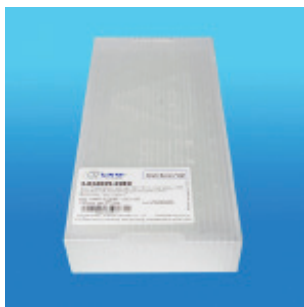
ANPEL also establishing an e-commerce internet platform: www.labsci.com.cn, committed to becoming a "simple, professional, transparent, efficient, and convenient" one-stop procurement platform for laboratory consumables.

Corporate Information



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A VIAL IS A VIAL, OR IS IT?

Autosampler vials may seem insignificant when compared to the sophisticated analytical instrumentation most laboratories use, but the incorrect vial, cap or septa can contribute to problems that can decrease productivity and reproducibility.

Potential Problems Caused by Using Incorrect Vial/Cap/Septum:

- Loss of analyte due to evaporation
- Presence of extra peaks in the chromatogram due to solvent/septum interaction
- Mechanical damage to autosampler
- Sample degradation
- Irreproducible injection volumes

WHAT TO CONSIDER WHEN SELECTING AN AUTOSAMPLER VIAL

Autosampler Compatibility

Not all autosamplers are alike. Some utilize robotic arms to pick up a sample vial; Some use tray rotation while others move the sampling needle to the respective vial coordinates. The dimensions of autosampler vials vary. Most autosamplers are equipped with trays that use 12x32mm vial configurations, but some like the Waters Wisp require a 15x45mm configuration. Consult your autosampler's operating manual or manufacturer to determine the vial dimensions required.

Sample Volume

The amount of sample available for analysis is important in choosing the appropriate vial. If only a limited volume of sample is available, you will have to choose among using an insert for your regular autosampler vial, a microvial or a high recovery vial.

Note: Most 12x32 mm autosampler vials hold between 1.5mL to 2.0mL of liquid, depending on where the manufacture measures the vial full. The dimensions for 12x32mm vials are standard among manufacturers, but the length of the neck and width/shape of the vial shoulder may vary. 12x32mm microvials have the same outer dimensions but the inside of the vial may be tapered to reduce volume or contain a fused insert. 12x32mm high recovery vials will have an internal conical bottom that allows for maximum sample recovery.

Sample Compatibility

The analyte and solvent compatibility should be considered in choosing vials and accessories. For example, amber glass is frequently used for light sensitive samples while deactivated glass or plastic vials are used for compounds that are sensitive to glass or stick to the glass itself. Volatile samples require closures that reduce the risk of analyte loss due to evaporation.

Linear Coefficient of Expansion

Refers to the fractional change in the length of glass per degree of change in temperature, in short, the ability of the glass to tolerate rapid thermal changes. The lower the coefficient of expansion, the better the glass can handle temperature change without fracturing.

Classifications for laboratory glass based on its resistance to attack from water were established by the United States Pharmacopoeia, USP.

USP Type 1, Class A, 33 Borosilicate Glass is the most inert and chemically resistant glass widely used in laboratories especially for chromatography applications. Type I glass is composed primarily of silicone and oxygen, with trace amounts of boron and sodium. It has the lowest leaching characteristics and a linear coefficient of expansion of 33.

USP Type 1, Class B, 51 Borosilicate Glass which is composed of silicone and oxygen, trace amounts of boron, sodium and other element is more alkaline than Class A glass but still adequate for laboratory use. All amber borosilicate glass is made of Class B unless otherwise specified and has an expansion coefficient of 51.

Silanized or Deactivated glass is Borosilicate Glass is borosilicate glass that has undergone further deactivation by treating the surface of the glass with an organosilane. The surface becomes more hydrophobic and inert making the vial suitable for use with pH sensitive compounds, trace analyses and applications requiring long term sample storage.

USP Types II, III and NP Glass are manufactured from soda lime which has less chemical resistance than borosilicate.

Polypropylene is a rigid and translucent material, which also comes in a variety of colours and has good chemical resistance for short term storage of most common laboratory chemicals. Resistance decreases over time when using aromatic and halogenated hydrocarbons. Polypropylene vials are often used for ion chromatography because of the extremely low metal content and excellent cleanability with dilute acid followed by deionized water rinse. Polypropylene vials limit the exposure to hazardous materials since they can be incinerated while sealed.

Polymethylpentene (TPX) is a rigid transparent material, which has a relatively high melting point with a temperature range of 0°-170°C. TPX vials can be used as alternative to opaque polypropylene vials because

they provide maximum clarity. Their chemical resistance is similar to that of polypropylene vials. TPX vials should be used for applications where visual clarity is required or repetitive exposure to higher temperatures such as autoclaving. TPX vials tend to be more brittle at room temperature.

Type of Vial Finish and Closures

Autosampler vials are available in a variety of neck finishes and opening diameters. Large mouth or wide ID vials have approximately a 40% wider mouth opening than standard ones. The large opening reduces the risk of bent autosampler needles during sampling.

Screw thread vials and caps provide low evaporation, reusability, less hand injury during manipulation than crimp seals and require no special tools. All screw threads vials and caps are differentiated by their thread finish as defined by the Glass Packaging Institute, GPI. For screw thread vials, a two part number is assigned. For example, 8-425 neck finish represents a vial with a diameter of 8 mm across the outside of the threads and a thread style of 425. Screw thread vials and caps are more expensive than crimp seals.

Caps for screw thread vials are available with either an open hole for autosampler use and standard addition or with a solid top for sample storage. One piece polypropylene cap and membrane are also available. These pierceable screw thread caps are designed for one time use and reduce sample preparation time as there is no cap and seal to assemble.

Crimp top vials require lacquered aluminum crimp seals which are relatively inexpensive and, when properly assembled, provide the best seal for long term storage. Crimp seals are not reusable.

A crimping tool is required to seal caps and a decrimper or decapper is required to remove the seals. Several types of hand crimpers are available including the adjustable precision crimpers that Chromatographic Specialties offers. Adjustable hand crimpers feature an adjustable stop on the handle to provide consistent seal tightness every time. Adjusting the hex screw inside the steel crimper jaws will also alter the amount of crimp. Achieving a good crimp is crucial because overcrimping can cause septum coring, bent needles and create a larger hole in the Teflon septum layer than a properly crimped seal. Undercrimping can result in losing seals and sample evaporation.

Hand decrimpers quickly and safely remove seals with just a single squeeze of the handle. Decappers are similar in design to pliers and provide an inexpensive alternative to decrimpers. Decrimpers should be used for applications involving hazardous samples because there is less chance of spillage.

Snap seal vials are less prone to breakage during decapping because more glass is used in the neck of the vial. The snap seal neck finish is compatible with either crimp and/or snap seals and no special tools are required to remove the cap. These vials are recommended for short term sample storage and non-volatile samples because the seal is not as secure as a crimp or screw thread seal.

Shell Vials are an economical alternative to screw thread vials for Waters' s HPLC autosamplers or any other autosampler that doesn't use a robotic arm to move the vials. Most shells vials are sold with a polyethylene cap which has a starburst design for easy needle penetration.

SEPTA SELECTION GUIDE

Optimise performance and results by choosing the right septum for your application:

PTFE:

- Excellent resealing capabilities – highly recommended for multiple injections and sample storage
- Autoclavable and excellent resistance to coring
- PTFE chemical resistance until pierced then the septa will have the compatibility of silicone
- Temperature range -40°C to 200°C"

PTFE/Silicone:

- Excellent resealing capabilities – highly recommended for multiple injections and sample storage
- Autoclavable and excellent resistance to coring
- PTFE chemical resistance until pierced then the septa will have the compatibility of silicone
- Temperature range -40°C to 200°C"

PTFE/Silicone/PTFE:

- Recommended for multiple injections due to above average resealing capabilities
- Autoclavable and excellent resistance to coring
- Recommended for demanding applications such as internal standards, trace analysis or applications where there will be a long time between injections
- Temperature range -40°C to 200°C"

PTFE/Red Rubber:

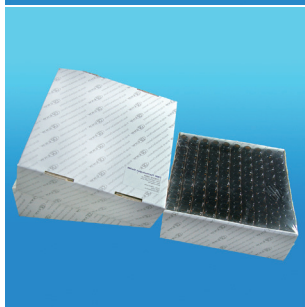
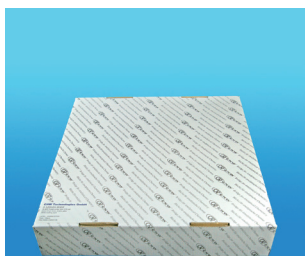
- The most economical septa used in routine analysis
- Easy to pierce with moderate resealability
- PTFE chemical resistance until pierced then the septa will have the compatibility of rubber
- Not recommended when retaining samples for further analysis or for multiple injections
- Temperature range -40°C to 110°C"

Pre-slit PTFE/Silicone:

- Reduces the possibility of coring with blunt tipped needles or for applications using a thin gauge needle
- Used to prevent vacuum from forming inside the vial
- Temperature range -40°C to 200°C"

Moulded Polypropylene:

- Only suitable for single injection use – not recommended for sample storage before or after injection
- Not resealable
- Temperature range 0°C to 130°C"



The characteristics of CNW vials and septa

The characteristics of CNW glass vials:

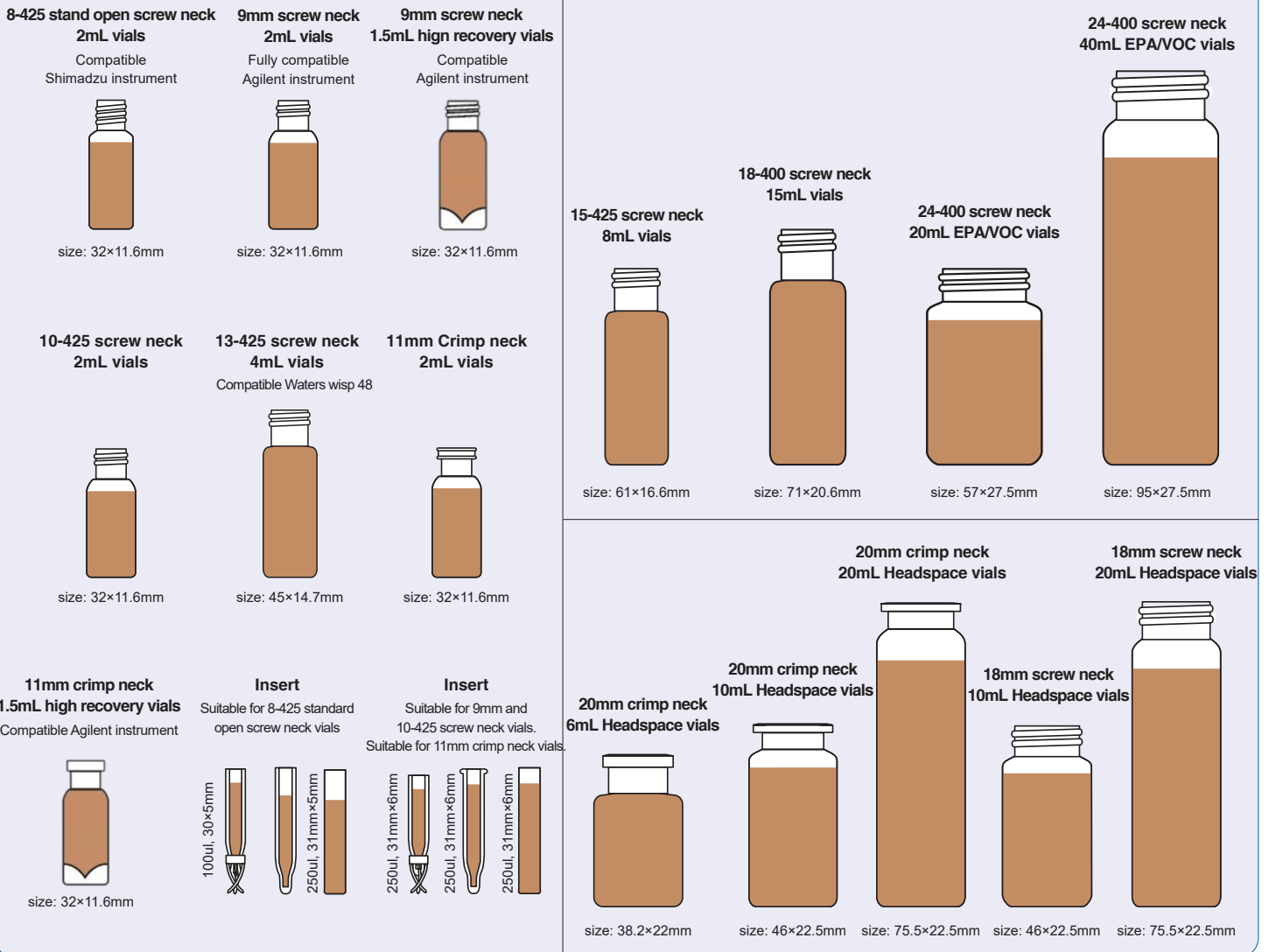
- All products made from borosilicate TYPE I glass tubing, the key indicators just like ID, OD, mouse size, thread specification conform to international standard.
- The thread specification is very accurately, ensure autosampler can grasp the vials accurate and easy.
- The product manufacture and packed in cleaning room, all the packing material made from special materials, ensure non-pollution.
- The brand and marking spot we used ceramic printing process, ensure non-heavy metals like Pb, Cr etc. meet European RoHs standard. And the printing difficult to be fall of, ensure keep identity for a long time.

The characteristics of CNW Septa:

- All septa made from high-purity PTFE and high quality silicone rubber or ultrapure silicone, ensure the product nontoxicity.
- The products used the new tech to avoid the adhesive, this made the septa soft then before, ensure to provide better protection for the needle of the autosampler.
- The products made in the cleaning room, the customer can be use the product directly not through cleaning operation.

- We offer the COA for each lot of the septa, this will help customer know which will caused the problem when they use this lot products, save times for the customers and avoid the problem

CNW vials Identify figure and specific



Screw thread vials

8-425 screw thread vials, caps and septa

- 8-425 screw thread vials are the original smaller opening autosampler vials.
- They are designed to work in a variety of autosamplers requiring narrow neck vials, you can use them on below brand instrument: Beckman, CTC, Gilson, Knauer, Shimadzu, Spark, Varian, VWR(Merck)/Hitachi, etc.



8-425 screw thread vials

Description	Packaging	Cat. No.
8-425 Thread screw neck vial, 32x11.6mm, clear glass, Borosilicate Type I Class A	100pcs. per PP box, 50 boxes per Carton	VAAP-32008-1232-100
8-425 Thread screw neck vial, 32x11.6mm, amber glass, Borosilicate Type I Class B	100pcs. per PP box, 50 boxes per Carton	VAAP-32008-1232A-100
8-425 Thread screw neck vial, 32x11.6mm, amber glass, white graduation line and marking spot and CNW LOGO, Borosilicate Type I Class A	100pcs. per PP box, 50 boxes per Carton	VAAP-32008E-1232-100
8-425 Thread screw neck vial, 32x11.6mm, amber glass, white graduation line and marking spot and CNW LOGO, Borosilicate Type I Class B	100pcs. per PP box, 50 boxes per Carton	VAAP-32008E-1232A-100
8-425 Thread screw neck vial, 32x11.6mm, clear glass, Borosilicate type 70	100pcs. per PP box, 50 boxes per Carton	VAAP-320087-1232-100
8-425 Thread screw neck vial, 32x11.6mm, amber glass, Borosilicate type 70	100pcs. per PP box, 50 boxes per Carton	VAAP-320087-1232A-100
8-425 Thread screw neck vial, 32x11.6mm, clear glass, white graduation line and marking spot, Borosilicate type 70	100pcs. per PP box, 50 boxes per Carton	VAAP-320087M-1232-100
8-425 Thread screw neck vial, 32x11.6mm, amber glass, white graduation line and marking spot, Borosilicate type 70	100pcs. per PP box, 50 boxes per Carton	VAAP-320087M-1232A-100

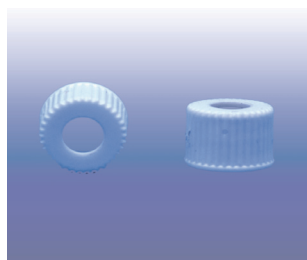


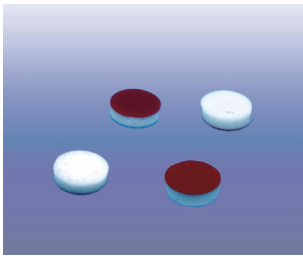
8-425 screw cap

Description	Packaging	Cat. No.
8-425 Screw thread cap, made from PP, black, centre hole	100pcs. per PE bag	VEAP-5310-08-100
8-425 Screw thread cap, made from PP, black, closed	100pcs. per PE bag	VEAP-5320-08-100
8-425 Screw thread cap, made from PP, white, centre hole	100pcs. per PE bag	VEAP-5310W-08-100

8-425 preassembled cap

Description	Packaging	Cat. No.
Preassembled cap and septa for 8-425 thread screw, PP cap, black, centre hole, Red rubber/White PTFE, 0.060" thick	100pcs. per PE bag	VEAP-5394-08-100
Preassembled cap and septa for 8-425 thread screw, PP cap, black, centre hole, White silicone/Red PTFE, 0.060" thick	100pcs. per PE bag	VEAP-5395-08-100
Preassembled cap and septa for 8-425 thread screw, PP cap, black, centre hole, Red PTFE/White silicone/Red PTFE, 0.040" thick	100pcs. per PE bag	VEAP-5396-08-100
Preassembled cap and septa for 8-425 thread screw, PP cap, black, centre hole, White silicone/Red PTFE, 0.075" thick, slitted	100pcs. per PE bag	VEAP-5397-08-100
Preassembled cap and septa for 8-425 thread screw, PP cap, black, closed, F217 with PTFE Cire	100pcs. per PE bag	VEAP-5360-08-100
Preassembled cap and septa for 8-425 thread screw, PP cap, black, closed, White silicone/Red PTFE	100pcs. per PE bag	VEAP-5360CS-08-100





Septa for 8-425 screw cap

Description	Packaging	Cat. No.
Septa for 8-425 screw thread cap, white PTFE only, 0.010" thick	100pcs. per PE bag	VEAP-601010-08-100
Septa for 8-425 screw thread cap, White PTFE/red Rubber , 0.060" thick	100pcs. per PE bag	VEAP-606040-08-100
Septa for 8-425 screw thread cap, White silicone/Red PTFE, 0.060" thick	100pcs. per PE bag	VEAP-606050-08-100
Septa for 8-425 screw thread cap, White silicone/Red PTFE, 0.075" thick	100pcs. per PE bag	VEAP-607550-08-100
Septa for 8-425 screw thread cap, White silicone/Red PTFE, 0.075" thick, slitted	100pcs. per PE bag	VEAP-607570-08-100

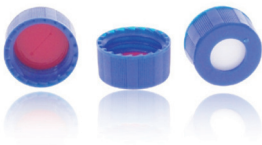
9mm screw thread vials, caps and septa

- 9mm screw thread vials and closure is dimensionally equivalent to 11mm crimp neck vials. This means that they can be used in any autosampler that uses 11mm crimp neck vials.
- Large open mouse help reduce the damage for the autosampler needles, this design also can ask customer use economic glass insert, to reduce their cost
- relative to 11mm crimp neck vials, 9mm screw thread vials can easily used by hand without tools
- This size can be used on almost all the new autosamplers. Especially used on Agilent, HTA, Shimadzu, thermo, Varian and Waters etc.



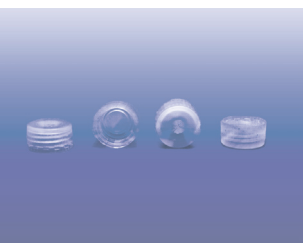
9mm screw thread vials

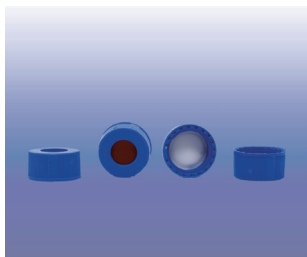
Description	Packaging	Cat. No.
9mm Thread screw neck vial, 32x11.6mm, clear glass, Borosilicate Type I Class A	100pcs. per PP box,50 boxes per Carton	VAAP-32009-1232-100
9mm Thread screw neck vial, 32x11.6mm, amber glass, Borosilicate Type I Class B	100pcs. per PP box,50 boxes per Carton	VAAP-32009-1232A-100
9mm Thread screw neck vial, 32x11.6mm, clear glass, white graduation line and marking spot and CNW LOGO, Borosilicate Type I Class A	100pcs. per PP box,50 boxes per Carton	VAAP-32009E-1232-100
9mm Thread screw neck vial, 32x11.6mm, amber glass, white graduation line and marking spot and CNW LOGO, Borosilicate Type I Class B	100pcs. per PP box,50 boxes per Carton	VAAP-32009E-1232A-100
9mm Thread screw neck vial, 32x11.6mm, clear glass, white graduation line and marking spot, Borosilicate Type I Class A	100pcs. per PP box,50 boxes per Carton	VAAP-32009M-1232-100
9mm Thread screw neck vial, 32x11.6mm, amber glass, white graduation line and marking spot, Borosilicate Type I Class B	100pcs. per PP box,50 boxes per Carton	VAAP-32009M-1232A-100
9mm Thread screw neck vial, 32x11.6mm, clear glass, Borosilicate type 70	100pcs. per PP box,50 boxes per Carton	VAAP-320097-1232-100
9mm Thread screw neck vial, 32x11.6mm, amber glass, Borosilicate type 70	100pcs. per PP box,50 boxes per Carton	VAAP-320097-1232A-100
9mm Thread screw neck vial, 32x11.6mm, clear glass, white graduation line and marking spot, Borosilicate type 70	100pcs. per PP box,50 boxes per Carton	VAAP-320097M-1232-100
9mm Thread screw neck vial, 32x11.6mm, amber glass, white graduation line and marking spot, Borosilicate type 70	100pcs. per PP box,50 boxes per Carton	VAAP-320097M-1232A-100



9mm screw cap

Description	Packaging	Cat. No.
9mm Screw thread cap(Royal), made from PP, blue, centre hole	100pcs. per PE bag	VEAP-5310-09FRB-100
Preassembled cap and septa for 9mm thread screw, design for MS, no bleed, septa no required	100pcs. per PE bag	VEAP-5330-09FR-100





9mm preassembled cap

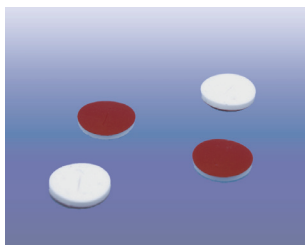
Description	Packaging	Cat. No.
Preassembled cap and septa for 9mm thread screw, PP cap, blue, centre hole, White PTFE/red Rubber, 0.040" thick	100pcs. per PE bag	VEAP-5394-09B-100
Preassembled cap and septa for 9mm thread screw, PP cap, blue, centre hole, White silicone/Red PTFE, 0.040" thick	100pcs. per PE bag	VEAP-5395-09B-100
Preassembled cap and septa for 9mm thread screw, PP cap(Royal), blue, centre hole, White silicone/Red PTFE, 0.040" thick, slitted	100pcs. per PE bag	VEAP-5397-09B-100
Preassembled cap and septa for 9mm thread screw, PP cap(Royal), blue, centre hole, White PTFE/red Rubber, 0.040" thick, BONDED	100pcs. per PE bag	VEAP-5394-09FRB-100
Preassembled cap and septa for 9mm thread screw, PP cap(Royal), blue, centre hole, White silicone/Red PTFE, 0.040" thick, BONDED	100pcs. per PE bag	VEAP-5395-09FRB-100
Preassembled cap and septa for 9mm thread screw, PP cap(Royal), blue, centre hole, Red PTFE/White silicone/Red PTFE, 0.040" thick	100pcs. per PE bag	VEAP-5396-09FRB-100
Preassembled cap and septa for 9mm thread screw, PP cap(Royal), blue, centre hole, White silicone/Red PTFE, 0.040" thick, slitted, BONDED	100pcs. per PE bag	VEAP-5397-09FRB-100
Preassembled cap and septa for 9mm thread screw, PP cap, black, closed, F217 with PTFE line	100pcs. per PE bag	VEAP-5360-09-100



Other colours caps with preassembled septa are on require.

Septa for 9mm screw cap

Description	Packaging	Cat. No.
Septa for 9mm Royal screw thread cap, white PTFE only, 0.010" thick	100pcs. per PE bag	VFAP-601010-09FR-100
Septa for 9mm Royal screw thread cap, White PTFE/red Rubber, 0.040" thick	100pcs. per PE bag	VFAP-604040-09FR-100
Septa for 9mm Royal screw thread cap, White silicone/Red PTFE, 0.040" thick	100pcs. per PE bag	VFAP-604050-09FR-100
Septa for 9mm Royal screw thread cap, Red PTFE/White Silicone/Red PTFE, 0.040" thick	100pcs. per PE bag	VFAP-604060-09FR-100
Septa for 9mm Royal screw thread cap, White silicone/Red PTFE, 0.040" thick, slitted	100pcs. per PE bag	VFAP-604070-09FR-100
Septa for 9mm popular screw thread cap, White PTFE/red Rubber, 0.040" thick	100pcs. per PE bag	VFAP-604040-09-100
Septa for 9mm popular screw thread cap, White silicone/Red PTFE, 0.040" thick	100pcs. per PE bag	VFAP-604050-09-100



10-425 screw thread vials, caps and septa

- 10-425 screw thread vials feature a wider opening than other screw thread vials. This increased target area makes samples preparation easier. It also reduces the chances of bent or broken needles during sampling.
- You can use them on below brand instrument: Jasco, Perkin Elmer, Shimadzu, Varian, Waters, etc.

10-425 screw thread vials

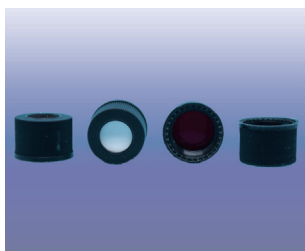
Description	Packaging	Cat. No.
10-425 Thread screw neck vial, 32x11.6mm, clear glass, Borosilicate Type I Class A	100pcs. per PPbox,50 boxes per Carton	VEAP-32010-1232-100
10-425 Thread screw neck vial, 32x11.6mm, amber glass, Borosilicate Type I Class B	100pcs. per PPbox,50 boxes per Carton	VEAP-32010-1232A-100
10-425 Thread screw neck vial, 32x11.6mm, clear glass, white graduation line and marking spot and CNW LOGO, Borosilicate Type I Class A	100pcs. per PPbox,50 boxes per Carton	VEAP-32010E-1232-100
10-425 Thread screw neck vial, 32x11.6mm, amber glass, white graduation line and marking spot and CNW LOGO, Borosilicate Type I Class B	100pcs. per PPbox,50 boxes per Carton	VEAP-32010E-1232A-100
10-425 Thread screw neck vial, 32x11.6mm, clear glass, Borosilicate type 70	100pcs. per PPbox,50 boxes per Carton	VEAP-320107-1232-100



Description	Packaging	Cat. No.
10-425 Thread screw neck vial, 32x11.6mm, amber glass, Borosilicate type 70	100pcs. per PPbox,50 boxes per Carton	VEAP-320107-1232A-100

10-425 screw cap

Description	Packaging	Cat. No.
10-425 Screw thread cap, made from PP, black, centre hole	100pcs. per PE bag	VEAP-5310-10-100
10-425 Screw thread cap, made from PP, black, closed	100pcs. per PE bag	VEAP-5320-10-100

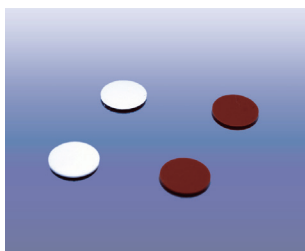


10-425 preassembled cap

Description	Packaging	Cat. No.
Preassembled cap and septa for 10-425 thread screw, PP cap, black, centre hole, Red rubber/White PTFE, 0.060" thick	100pcs. per PE bag	VEAP-5394-10-100
Preassembled cap and septa for 10-425 thread screw, PP cap, black, centre hole, White PTFE/Red rubber, 0.060" thick	100pcs. per PE bag	VEAP-5395-10-100
Preassembled cap and septa for 10-425 thread screw, PP cap, black, centre hole, White silicone/Red PTFE, 0.040" thick, slitted	100pcs. per PE bag	VEAP-5397-10-100
Preassembled cap and septa for 10-425 thread screw, PP cap, black, closed, White silicone/Red PTFE	100pcs. per PE bag	VEAP-5360CS-10-100

Septa for 10-425 screw cap

Description	Packaging	Cat. No.
Septa for 10-425 screw thread cap, white PTFE only, 0.010" thick	100pcs. per PE bag	VFAP-601010-10-100
Septa for 10-425 screw thread cap, White PTFE/red Rubber, 0.060" thick	100pcs. per PE bag	VFAP-606040-10-100
Septa for 10-425 screw thread cap, Red PTFE/White silicone, 0.060" thick	100pcs. per PE bag	VFAP-606050-10-100
Septa for 10-425 screw thread cap, Red PTFE/White silicone, 0.075" thick	100pcs. per PE bag	VFAP-607550-10-100
Septa for 10-425 screw thread cap, White silicone/Red PTFE, 0.060" thick, slitted	100pcs. per PE bag	VFAP-606070-10-100



13-425 screw thread vials, caps and septa

- Precise screw seal consistent security
- Can be used for cleaning, storage waste or sample
- You can use them on below brand instrument: Dionex, Shimadzu, Spark, Varian, VWR(MERCK)/HITACHI, WATERS(Wisp 48 position carousel), etc.

13-425 screw thread vials

Description	Packaging	Cat. No.
13-425 Thread screw neck vial, 45x14.7mm, amber glass, Borosilicate Type I Class B	100pcs. per PP box, 30 boxes per Carton	VEAP-34013-1545A-100
13-425 Thread screw neck vial, 45x14.7mm, clear glass, white graduation line and marking spot and CNW LOGO, Borosilicate Type I Class A	100pcs. per PP box, 30 boxes per Carton	VEAP-34013E-1545-100
13-425 Thread screw neck vial, 45x14.7mm, amber glass, white graduation line and marking spot and CNW LOGO, Borosilicate Type I Class B	100pcs. per PP box, 30 boxes per Carton	VEAP-34013E-1545A-100
13-425 Thread screw neck vial, 45x14.7mm, clear glass, Borosilicate type 70	100pcs. per PP box, 30 boxes per Carton	VEAP-340137-1545-100
13-425 Thread screw neck vial, 45x14.7mm, amber glass, Borosilicate type 70	100pcs. per PP box, 30 boxes per Carton	VEAP-340137-1545A-100



13-425 screw cap

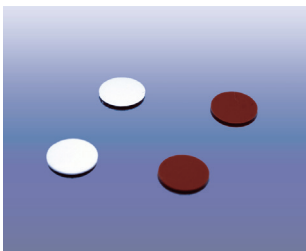
Description	Packaging	Cat. No.
13-425 Screw thread cap, made from PP, black, centre hole	100pcs. per PE bag	VEAP-5310-13-100



Description	Packaging	Cat. No.
13-425 Screw thread cap, made from PP, black, closed	100pcs. per PE bag	VEAP-5320-13-100

13-425 preassembled cap

Description	Packaging	Cat. No.
Preassembled cap and septa for 13-425 thread screw, PP cap, black, centre hole, Red rubber/White PTFE, 0.050" thick	100pcs. per PE bag	VEAP-5394-13-100
Preassembled cap and septa for 13-425 thread screw, PP cap, black, centre hole, White silicone/Red PTFE, 0.060" thick	100pcs. per PE bag	VEAP-5395-13-100
Preassembled cap and septa for 13-425 thread screw, PP cap, black, closed, White silicone/Red PTFE	100pcs. per PE bag	VEAP-5360CS-13-100
Preassembled cap and septa for 13-425 thread screw, PP cap, black, closed, F217 line	100pcs. per PE bag	VEAP-5361-13-100
Preassembled cap and septa for 13-425 thread screw, PP cap, white, closed, F217 line	100pcs. per PE bag	VEAP-5361-13W-100



Septa for 13-425 screw cap

Description	Packaging	Cat. No.
Septa for 13-425 screw thread cap, white PTFE only, 0.010" thick	100pcs. per PE bag	VFAP-601010-13-100
Septa for 13-425 screw thread cap, White PTFE/red Rubber, 0.050" thick	100pcs. per PE bag	VFAP-605040-13-100
Septa for 13-425 screw thread cap, White silicone/Red PTFE, 0.060" thick	100pcs. per PE bag	VFAP-606050-13-100
Septa for 13-425 screw thread cap, White silicone/Red PTFE, 0.075" thick	100pcs. per PE bag	VFAP-607550-13-100

Crimp neck vials

11mm large open crimp neck vials, caps and septa

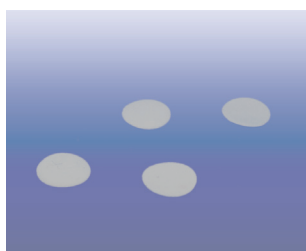


- crimp neck vials provide the tightest seal, reducing the chance of sample evaporation.
- The 12 x 32 mm crimp neck vials and 11mm aluminum crimp caps are economical and easy to use with crimp tools.
- You can use them on below brand instrument: Agilent, Carlo Erba, CTC, Dani, Fisons, Gerstel, Jasco, Perkin Elmer, Shimadzu, Spark, Thermo, Varian, etc.

11mm crimp neck vials

Description	Packaging	Cat. No.
11mm Crimp neck vial, 32x11.6mm, clear glass, Borosilicate Type I Class A	100pcs. per PP box, 50 boxes per Carton	VBAP-32011L-1232-100
11mm Crimp neck vial, 32x11.6mm, amber glass, Borosilicate Type I Class B	100pcs. per PP box, 50 boxes per Carton	VBAP-32011L-1232A-100
11mm Crimp neck vial, 32x11.6mm, clear glass, white graduation line and marking spot and CNWLOGO, Borosilicate Type I Class A	100pcs. per PP box, 50 boxes per Carton	VBAP-32011LE-1232-100
11mm Crimp neck vial, 32x11.6mm, amber glass, white graduation line and marking spot and CNWLOGO, Borosilicate Type I Class B	100pcs. per PP box, 50 boxes per Carton	VBAP-32011LE-1232A-100
11mm Crimp neck vial, 32x11.6mm, clear glass, white graduation line and marking spot, Borosilicate type 70	100pcs. per PP box, 50 boxes per Carton	VBZB-32011LM7-1232-100
11mm Crimp neck vial, 32x11.6mm, amber glass, white graduation line and marking spot, Borosilicate type 70	100pcs. per PP box, 50 boxes per Carton	VBZB-32011LM7-1232A-100





11mm preassembled crimp cap

Description	Packaging	Cat. No.
Preassembled cap and septa for 11mm Crimp neck, Aluminum cap, clear, centre hole, Clear PTFE/Orange Silicone, 0.040" thick	100pcs. per PE bag	VEAP-5140-11-100
Preassembled cap and septa for 11mm Crimp neck, Aluminum cap, clear, centre hole, Clear PTFE/Orange Silicone, 0.040" thick	500pcs. per PE bag	VEAP-5140-11-500
Preassembled cap and septa for 11mm Crimp neck, Aluminum cap, clear, centre hole, Red Butyl/Transparent PTFE, 0.040" thick	100pcs. per PE bag	VEAP-5140-11X-100
Preassembled cap and septa for 11mm Crimp neck, Aluminum cap, clear, centre hole, Red Butyl/Transparent PTFE, 0.040" thick	500pcs. per PE bag	VEAP-5140-11X-500
Preassembled cap and septa for 11mm Crimp neck, Aluminum cap, blue, centre hole, Natural Rubber red-orange/Butyl red/TEF transparent, 0.040" thick	100pcs. per PE bag	VEAP-5140-11B-100
Preassembled cap and septa for 11mm Crimp neck, Aluminum cap, clear, centre hole, Clear PTFE/Orange Silicone, 0.040" thick	100pcs. per PET jar	VEAP-5140-11G-100
Preassembled cap and septa for 11mm Crimp neck, magnetic cap, Silver, centre hole, Clear PTFE/Orange Silicone, 0.040" thick	100pcs. per PE bag	VEAP-5140-11MS-100
Preassembled cap and septa for 11mm Crimp neck, Aluminum cap, Red, centre hole, Natural Rubber red-orange/Butyl red/TEF transparent, 0.040" thick	100pcs. per PE bag	VEAP-5140-11R-100
Preassembled cap and septa for 11mm Crimp neck, Aluminum cap, black, centre hole, White silicone/Red PTFE, 0.040" thick	100pcs. per PE bag	VEAP-5150-11SW-100

Septa for 11mm crimp cap

Description	Packaging	Cat. No.
Septa for 11mm crimp cap, white PTFE only, 0.010" thick	100pcs. per PE bag	VFAP-601010-11-100

Snap neck vials

11 mm Snap neck vials, caps and septa



- 11 mm snap neck vials provide a secure seal that minimizes evaporation, even with volatile samples.
- 11 mm snap caps are often more convenient than crimp caps as they can be easily applied and removed by hand.
- An audible click ensures a secure seal has been formed and that cap is correctly aligned.
- 11 mm snap vials can be closed with either snap caps or crimp caps.
- You can use them on below brand instrument: Agilent, CTC, Dani, Dionex, Jasco, Shimadzu, Spark, Thermo, Varian, VWR(Merck)/Hitachi, Waters, etc.

11mm snap neck vials

Description	Packaging	Cat. No.
11mm Snap neck vial, 32x11.6mm, clear glass, white graduation line and marking spot and CNWLOGO, Borosilicate Type I Class A	100pcs. per PP box, 50 boxes per Carton	VCAP-32011SE-1232-100
11mm Snap neck vial, 32x11.6mm, amber glass, white graduation line and marking spot and CNWLOGO, Borosilicate Type I Class B	100pcs. per PP box, 50 boxes per Carton	VCAP-32011SE-1232A-100

11mm preassembled crimp cap

Description	Packaging	Cat. No.
Preassembled cap and septa for 11mm Snap neck, PP cap, clear, centre hole, Clear PTFE/Orange Silicone rubber	100pcs. per PE bag	VEAP-5540-11-100
Preassembled cap and septa for 11mm Snap neck, PP cap, clear, centre hole, Butyl/Transparent PTFE	100pcs. per PE bag	VEAP-5540-11X-100



Shell vials

- Shell vials feature thicker walls for safer sample handling.
- All the shell vials are supplied with polyethylene plug closures.
- You can use them on below brand instrument: Alcott, Gilson, Shimadzu, Waters(WISP 48 and 96 style autosamplers), etc.

1ml shell vials and plug

Description	Packaging	Cat. No.
1ml shell vial, 40x8.2mm, clear glass, Borosilicate Type I Class A	100pcs. per PP box	VIAP-4100-1232-100
1ml shell vial, 40x8.2mm, amber glass, Borosilicate Type I Class B	100pcs. per PP box	VIAP-4100-1232A-100
8mm transparent PE-plug for shell vial	100pcs. per PP box	VEAP-5400SB-08-100



2ml shell vials and plug

Description	Packaging	Cat. No.
2ml shell vial, 31.5x11.6mm, clear glass, Borosilicate Type I Class A	100pcs. per PP box	VIAP-4100-1232-100
2ml shell vial, 31.5x11.6mm, amber glass, Borosilicate Type I Class B	100pcs. per PP box	VIAP-4100-1232A-100
12mm transparent PE-plug for shell vial	100pcs. per PP box	VEAP-5405SB-08-100

4ml shell vials and plug

Description	Packaging	Cat. No.
4ml shell vial, 44.6x14.65mm, clear glass, Borosilicate Type I Class A	100pcs. per PP box	VIAP-4100-1545-100
4ml shell vial, 44.6x14.65mm, amber glass, Borosilicate Type I Class B	100pcs. per PP box	VIAP-4100-1545A-100
15mm transparent PE-plug for shell vial	100pcs. per PP box	VEAP-5405SB-15-100



8-425 FOR PE

Conical bottom vials

Conical bottom vials can be supplier small remained reagent when the sampling not need use insert.

8-425 screw thread neck conical bottom vials

Description	Packaging	Cat. No.
8-425 Thread screw neck Micro vial, 1.1ml, 32x11.6mm, clear glass, conical bottom, Borosilicate Type I Class A	100pcs. per PP box, 50 boxes per Carton	VAAP-31108-1232-100



11 mm crimp neck conical bottom vials

Description	Packaging	Cat. No.
11mm Crimp neck micro vial, 1.1ml, 32x11.6mm, clear glass, conical bottom, Borosilicate Type I Class A	100pcs. per PP box, 50 boxes per Carton	VBAP-31111-1232-100

High recovery vials

1.5mL vials with 30uL reservoir are for sample concentration and injection without transferring to microvolume inserts.

9 mm screw thread neck high recovery vials

Description	Packaging	Cat. No.
9mm Thread screw neck vial, 1.5mL, 32x11.6mm, clear glass, high recovery, Borosilicate Type I Class A	100pcs. per PP box, 50 boxes per Carton	VAAP-31509-1232-100
9mm Thread screw neck vial, 1.5mL, 32x11.6mm, amber glass, high recovery, Borosilicate Type I Class B	100pcs. per PP box, 50 boxes per Carton	VAAP-31509-1232A-100

11 mm crimp neck high recovery vials

Description	Packaging	Cat. No.
11mm Crimp neck vial, 32x11.6mm, clear glass, high recovery, Borosilicate Type I Class A	100pcs. per PP box, 50 boxes per Carton	VBAP-31511-1232-100
11mm Crimp neck vial, 32x11.6mm, amber glass, high recovery, Borosilicate Type I Class B	100pcs. per PP box, 50 boxes per Carton	VBAP-31511-1232A-100

Silanized vials

- For polar compounds, volatile compounds and the compounds can interaction with OH, we can sue silanized vials to get the best recovery;
- Silanized vials are especially suitable for analysis flow matter: phenolic compound, protein, antibody, amine, metabolite, herbicide and insecticide etc.

9 mm Silanized screw thread neck vials

Description	Packaging	Cat. No.
9mm Thread screw neck vial, 32x11.6mm, clear glass, white graduation line and marking spot and CNW LOGO, Borosilicate Type I Class A, Silanized	100pcs. per PP box, 50 boxes per Carton	VAAP-32009E-1232-100Z
9mm Thread screw neck vial, 32x11.6mm, amber glass, white graduation line and marking spot and CNW LOGO, Borosilicate Type I Class A, Silanized	100pcs. per PP box, 50 boxes per Carton	VAAP-32009E-1232A-100Z

11 mm Silanized crimp neck vials

Description	Packaging	Cat. No.
11mm Crimp neck vial, 32x11.6mm, clear glass, white graduation line and marking spot and CNW LOGO, Silanized	100pcs. per PP box, 50 boxes per Carton	VAAP-32009LE-1232-100Z
11mm Crimp neck vial, 32x11.6mm, amber glass, white graduation line and marking spot and CNW LOGO, Silanized	100pcs. per PP box, 50 boxes per Carton	VAAP-32009LE-1232A-100Z

Polypropylene vials

- Polypropylene material with high resistance for most of chemical reagents. Also without heavy metal ion, this material is very suitable for ion chromatography, atomic absorption and CE+CE/MS customers.
- The adsorption capacity for the internal surface of polypropylene vials is much lower, so when used in HPLC analysis. it's better for protein and amino acid analysis.

9mm screw thread neck plastic vials

Description	Packaging	Cat. No.
9mm Thread screw neck vial, 32x11.6mm, transparent PP, with graduation line, slightly concave shaped bottom	100pcs. per PE bag	VEAP-32009P-1232-100
9mm Thread screw neck vial, 32x11.6mm, amber PP, with graduation line, slightly concave shaped bottom	100pcs. per PE bag	VEAP-32009P-1232A-100
0.3ml PP Short Thread Micro-Vial, 32 x 11.6mm, transparent	100pcs. per PE bag	VEAP-30309P-1232-100
0.3ml PP Short Thread Micro-Vial, 32 x 11.6mm, amber	100pcs. per PE bag	VEAP-30309P-1232A-100

Limited Volume insert

- The insert is to reduce the amount of solvent and small volume injection of an economic program;
- The insert with polymer spring can ensure the insert perpendicular in the vials, to maintain alignment



injection direction. Polymer spring also play a role of buffer, so you can suck out all the samples. If the autosampler settings are correct, these insert virtually no dead volume, syringe needle can be inserted into the bottom of the insert without injured.

- Conical bottom insert do not need springs, its most economical choice for micro sampling.
- Flat-bottomed insert economic alternatives for finite volume vials.
- Appropriate choice of insert can optimize the performance of the instrument and experimental results

1ml shell vials and plug



Description	Packaging	MEMO	Cat. No.
Insert for small open vial, 31x5mm, clear glass, plastic spring not required, Economic, Borosilicate Type I Class A	100pcs. per PE bag		VDAP-401-530E-100
Insert for small open vial, 30x5mm, clear glass, preassembled plastic spring, Borosilicate Type I Class A	100pcs. per PE bag	Suitable for 8-425 screw neck vials	VDAP-401BS-530-1000
Insert for small open vial, 31x5mm, clear glass, flat bottom, heavy wall, Borosilicate Type I Class A	100pcs. per PE bag		VDAP-4025-531-100
Insert for small open vial, 31x5mm, clear glass, flat bottom, mean wall, Borosilicate Type I Class A	100pcs. per PE bag	Suitable for 8-425 screw neck vials	VDAP-4025-531G-100
Insert for small open vial, 29x5mm, transparent plastic, preassembled plastic spring	100pcs. per PE bag		VDAP-401PBS-530-100
Insert for large open vial, 31x6mm, clear glass, flat bottom, heavy wall, Borosilicate Type I Class A	100pcs. per PE bag	Suitable for 9mm screw thread vials with large open mouth 10-425 thread thread vials	VDAP-4025-631-100
Insert for large open vial, 31x6mm, clear glass, plastic spring not required, Economic, Borosilicate Type I Class A	100pcs. per PE bag	11mm crimp neck vials with large open mouth 11mm snap neck vials with large open mouth	VDAP-4025-629E-100
Insert for large open vial, 29x5.7mm, clear glass, preassembled plastic spring, Borosilicate Type I Class A	100pcs. per PE bag	Suitable for 9mm screw thread vials with standard open mouth 11mm crimp neck vials with standard open mouth	VDAP-4025BS-629-100
Insert for large open vial, 31x6mm, transparent plastic, preassembled plastic spring	100pcs. per PE bag	11mm snap neck vials with standard open mouth	VDAP-4025PBS-631-100

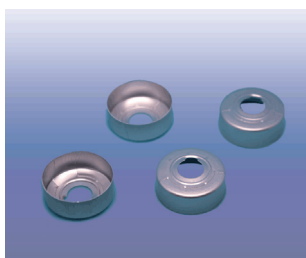
Headspace vials

20mm crimp neck headspace vials, caps and septa

Because of the headspace testing have a standard internal pressure, to ensure that the headspace vials does not burst due the testing, all of our headspace vial wall thickness in 1.2mm.



- CNW headspace vials using double inclined jaw design, make the septa having a lager contact area with the vials, to ensure the best sealing effect.
- Flat bottom and round bottom to be choiced by customer, rounded-bottom vials can be work with higher pressure. In addition, the rounded-bottom vials more easy to put into the heated module during the magnetic moving.
- Uniform wall thickness, and good thermal shock resistance.
- Magnetic metal cap and two-color aluminum cap can be used for CTC Combi PAL Series injector, the middle of the two-color aluminum cap made from iron to ensure that can be sucked up, surrounded by aluminum, no need to hard crimp.
- 20mm crimp neck 6ml headspace vails for Metrohm.



20mm crimp neck headspace vials

Description	Packaging	Cat. No.
20mm crimp neck headspace vial, 6ml, 38.2x22mm, clear glass, flat bottom, white marking spot and CNW LOGO, Borosilicate Type I Class A, for Varian	100pcs. per Carton, 10 Cartons per Case	VBAP-36020E-2238-100
20mm crimp neck headspace vial, 6ml, 38.2x22mm, clear glass, rounded bottom, white marking spot and CNW LOGO, Borosilicate Type I Class A, for PE	100pcs. per Carton, 10 Cartons per Case	VBAP-36020EA-2238-100
20mm crimp neck headspace vial, 10ml, 46x22.5mm, clear glass, flat bottom, white marking spot and CNW LOGO, Borosilicate Type I Class A, for Carlo Erba/Dani/Fisons/Agilent	100pcs. per Carton, 10 Cartons per Case	VBAP-310020E-2346-100
20mm crimp neck headspace vial, 10ml, 46x22.5mm, clear glass, rounded bottom, white marking spot and CNW LOGO, Borosilicate Type I Class A, for CTC/Varian	100pcs. per Carton, 10 Cartons per Case	VBAP-310020EA-2346-100
20mm crimp neck headspace vial, 10ml, 46x22.5mm, amber glass, rounded bottom, white marking spot and CNW LOGO, Borosilicate Type I Class B, for CTC/Varian	100pcs. per Carton, 10 Cartons per Case	VBAP-310020EA-2346A-100
20mm crimp neck headspace vial, 20ml, 75.5x22.5mm, clear glass, flat bottom, white marking spot and CNW LOGO, Borosilicate Type I Class A, for Carlo Erba/Dani/Fisons/Agilent	100pcs. per Carton, 10 Cartons per Case	VBAP-320020E-2375-100
20mm crimp neck headspace vial, 20ml, 75.5x22.5mm, clear glass, rounded bottom, white marking spot and CNW LOGO, Borosilicate Type I Class A, for PE/Tekmar	100pcs. per Carton, 10 Cartons per Case	VBAP-320020EA-2375-100
20mm crimp neck headspace vial, 20ml, 75.5x22.5mm, amber glass, rounded bottom, white marking spot and CNW LOGO, Borosilicate Type I Class B, for PE/Tekmar	100pcs. per Carton, 10 Cartons per Case	VBAP-320020E-2375A-100
20mm crimp neck headspace vial, 50ml, 101x31mm, clear glass, flat bottom, white marking spot and CNW LOGO, Borosilicate Type I Class A	100pcs. per Carton, 4 Cartons per Case	VBAP-350020E-31101-100
20mm crimp neck headspace vial, 100ml, 94.5x51.6mm, clear glass, flat bottom, 3rd hydrol. Class	88pcs. Shrink-wrapped	VBAP-3100020-5295-100

20mm crimp neck caps

Description	Packaging	Cat. No.
Aluminum cap for 20mm crimp neck vial, without septa, centre hole	100pcs. per PE bag	VEAP-5100-20-100
Safety aluminum cap for 20mm crimp neck vial, without septa	100pcs. per PE bag	3VEAP-5100-20SS-100



20mm crimp neck preassembled caps

Description	Packaging	Cat. No.
Preassembled cap and septa for 20mm crimp neck headspace vial, Aluminum cap, clear, centre hole, butyl/PTFE, 0.125" thick	100pcs. per PET jar	VEAP-5140F-20-100
Preassembled cap and septa for 20mm crimp neck headspace vial, Aluminum cap with iron top, silver, centre hole, butyl/PTFE, 0.125" thick	100pcs. per PET jar	VEAP-5140F-20MN-100
Preassembled cap and septa for 20mm crimp neck headspace vial, Aluminum cap, clear, centre hole, Clear silicone/white PTFE, 0.125" thick	100pcs. per PET jar	VEAP-5150-20-100
Preassembled cap and septa for 20mm crimp neck headspace vial, Aluminum cap, clear, centre hole, White silicone/white PTFE, 0.125" thick	100pcs. per PET jar	VEAP-5150T-20-100
Preassembled cap and septa for 20mm crimp neck headspace vial, Aluminum cap, clear, centre hole, Translucent Blue silicone/white PTFE, 0.125" thick	100pcs. per PET jar	VEAP-5150TB-20-100



Description	Packaging	Cat. No.
Preassembled cap and septa for 20mm crimp neck headspace vial, Aluminum cap with iron top, yellow, centre hole, Translucent Blue silicone/white PTFE, 0.125" thick	100pcs. per PET jar	VEAP-5150TB-20IY-100
Preassembled cap and septa for 20mm crimp neck headspace vial, Aluminum cap with iron top, silver, centre hole, Translucent Blue silicone/white PTFE, 0.125" thick	100pcs. per PET jar	VEAP-5150TB-20MN-100
Preassembled cap and septa for 20mm crimp neck headspace vial, Safty aluminum cap, clear, centre hole, Translucent Blue silicone/white PTFE, 0.125" thick	100pcs. per PET jar	VEAP-5150TB-20SS-100

20mm crimp neck septa



Description	Packaging	Cat. No.
Septa for 20mm crimp neck headspace vial, Butyl Injection Stopper, grey	100pcs. per PE bag	AFAP-600004-20-100
Septa for 20mm crimp neck headspace vial, moulded, Butyl/PTFE, 0.120" thick	100pcs. per PE bag	AFAP-600004G-20-100
Septa for 20mm crimp neck headspace vial, Clear silicone/Nature PTFE, 0.125" thick	100pcs. per PE bag	AFAP-610050-20-100
Septa for 20mm crimp neck headspace vial, Translucent Blue silicone/Nature PTFE, 0.125" thick	100pcs. per PE bag	AFAP-610050TB-20-100

20mm crimp neck SPME vials, caps and septa

- The thicker crimp neck is 3.2mm, the customer can use thin septa to of 1.5mm to ensure the SPME fiber can puncture easily.
- The aluminum cap with iron top, the magnetic injector can get the caps, and customer not need hard cover.
- Design for CTC Combi PAL(headspace module) and Shimadzu AOC-5000(headspace module), etc.



20mm crimp neck SPME vials

Description	Packaging	Cat. No.
20mm crimp neck SPME vial, 20ml, 75.5x22.5mm, clear glass, rounded bottom, white marking spot and CNW LOGO, Borosilicate Type I Class A	100pcs. per Carton, 10 Cartons per Case	VBAP-320020SEA-2375-100

20mm SPME neck preassembled caps

Description	Packaging	Cat. No.
Preassembled cap and septa for 20mm crimp neck SPME vial, Aluminum cap with iron top , silver, centre hole, White silicone/Blue PTFE, 0.06"thic	100pcs. per PET jar	VEAP-5150B-20MN-100



18mm precision thread headspace vials, caps and septas.

- Easy for use, crimp tools is not needed, customer can screw and unscrew the cap only by hand.
- Avoid the risk for mis-crimp, ensure the repeatability of the analysis.
- Very good airtight performance.
- Use thin septa to ensure puncture easily and safety.
- Can be seal the samples on the spot, not need bring back the samples to laboratory and refill to the autosampler vials.

18mm precision thread headspace vials

Description	Packaging	Cat. No.
18mm precision Thread vial, 10ml, 46x22.5mm, clear glass, rounded bottom, white marking spot and CNW LOGO, Borosilicate Type I Class A	100pcs. per Carton, 10 Cartons per Case	VAAP-310018EM-2346-100
18mm precision Thread vial, 10ml, 46x22.5mm, amber glass, rounded bottom, white marking spot and CNW LOGO, Borosilicate Type I Class B	100pcs. per Carton, 10 Cartons per Case	VAAP-310018EM-2346A-100
18mm precision Thread vial, 20ml, 75.5x22.5mm, clear glass, rounded bottom, white marking spot and CNW LOGO, Borosilicate Type I Class A	100pcs. per Carton, 10 Cartons per Case	VAAP-320018EM-2375-100
18mm precision Thread vial, 20ml, 75.5x22.5mm, amber glass, rounded bottom, white marking spot and CNW LOGO, Borosilicate Type I Class B	100pcs. per Carton, 10 Cartons per Case	VAAP-320018EM-2375A-100

18mm precision thread headspace neck preassembled caps

Description	Packaging	Cat. No.
Preassembled cap and septa for 18mm precision Thread vial, magnetic cap, clear, centre hole, butyl/PTFE, 0.060" thick	100pcs. per PE bag	VFAP-5394F-18M-100
Preassembled cap and septa for 18mm precision Thread vial, magnetic cap, clear, centre hole, White silicone/Blue PTFE, 0.060" thick	100pcs. per PE bag	VEAP-5395B-18M-100
Preassembled cap and septa for 18mm precision Thread vial, magnetic cap, clear, centre hole, Translucent Blue silicone/white PTFE, 0.050" thick	100pcs. per PE bag	VEAP-5395TB-18M-100



18mm precision thread headspace neck septa

Description	Packaging	Cat. No.
Septa for 18mm magnetic screw thread cap, Butyl/ PTFE, 0.060" thick	100pcs. per PE bag	VFAP-606050-18M-100
Septa for 18mm magnetic screw thread cap, Translucent Blue silicone/white PTFE, 0.050" thick	100pcs. per PE bag	VFAP-606050TB-18M-100

Crimping Tools and Decapping tools

- Coating out of the handle, ensure the tools can prevent hull corrosion;
- The head of the tools made from Special alloy materials ensure the long life;
- The handle part use frosted design ensure easy clench;
- Can be adjust the screw nut on the handle to ensure the best sealing performance;
- Crimping tools can use hexagon spanner to adjust the crimp neck height;
- Decapper easy to use, avoid the samples spilling and the glass parts broken;

Crimping tools

Description	Packaging	Cat. No.
Crimper for 11mm Aluminum caps	1 pc. Per box	VGAP-9300-11
Decapper for 11mm Aluminum caps	1 pc. Per box	VGAP-9320-11

Decapping tools

Description	Packaging	Cat. No.
Crimper for 20mm Aluminum caps	1 pc. Per box	VGAP-9300-20
Decapper for 20mm Aluminum caps	1 pc. Per box	VGAP-9320-20



Standard screw thread neck vials

These large volume vials is best choice for laboratory to storage the samples.

15-425 standard screw thread neck 8mL vials

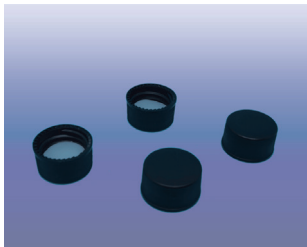


15-425 screw thread neck vials

Description	Packaging	Cat. No.
15-425 Thread screw neck vial, 8ml, 61x16.6mm, clear glass, Borosilicate Type I Class A	100pcs. per Carton, 8 Cartons per Case	VAAP-38015-1760-100
15-425 Thread screw neck vial, 8ml, 61x16.6mm, amber glass, Borosilicate Type I Class B	100pcs. per Carton, 8 Cartons per Case	VAAP-38015-1760A-100
15-425 Thread screw neck vial, 8ml, 61x16.6mm, clear glass, white marking spot and CNW LOGO, Borosilicate Type I Class A	100pcs. per Carton, 8 Cartons per Case	VAAP-38015E-1760-100
15-425 Thread screw neck vial, 8ml, 61x16.6mm, amber glass, white marking spot and CNW LOGO, Borosilicate Type I Class B	100pcs. per Carton, 8 Cartons per Case	VAAP-38015E-1760A-100

15-425 screw thread neck preassembled caps

Description	Packaging	Cat. No.
Preassembled cap and septa for 15-425 thread screw, PP cap, white, closed, F217 line	100pcs. per PE bag	VEAP-5360-15W-100



15-425 screw thread neck caps

Description	Packaging	Cat. No.
15-425 Screw thread cap, made from PP, black, centre hole	100pcs. per PE bag	VEAP-5310-15-100
15-425 Screw thread cap, made from PP, black, closed	100pcs. per PE bag	VEAP-5320-15-100

15-425 screw thread neck septas

Description	Packaging	Cat. No.
Septa for 15-425 screw thread cap, Clear silicone/White PTFE, 0.060" thick	100pcs. per PE bag	VFAP-606050G-15-100
Septa for 15-425 screw thread cap, Clear silicone/White PTFE, 0.060" thick, ultra low bleed	100pcs. per PE bag	VFAP-606050ULB-15-100

18-400 standard screw thread neck 15mL vials



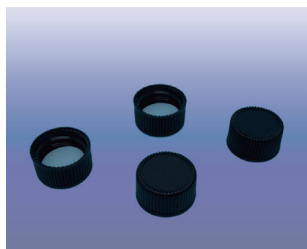
18-400 screw thread neck vials

Description	Packaging	Cat. No.
18-400 Thread screw neck vial, 15ml, 71x20.6mm, clear glass, Borosilicate Type I Class A	100pcs. per Carton, 10 Cartons per Case	VAAP-316018-2170-100
18-400 Thread screw neck vial, 15ml, 71x20.6mm, amber glass, Borosilicate Type I Class B	100pcs. per Carton, 10 Cartons per Case	VAAP-316018-2170A-100
18-400 Thread screw neck vial, 15ml, 71x20.6mm, clear glass, white marking spot and CNW LOGO, Borosilicate Type I Class A	100pcs. per Carton, 10 Cartons per Case	VAAP-316018E-2170-100
18-400 Thread screw neck vial, 15ml, 71x20.6mm, amber glass, white marking spot and CNW LOGO, Borosilicate Type I Class B	100pcs. per Carton, 10 Cartons per Case	VAAP-316018E-2170A-100

18-400 screw thread neck preassembled caps

Description	Packaging	Cat. No.
Preassembled cap and septa for 18-400 thread screw, PP cap, black, centre hole, Clear silicone/White PTFE, 0.060" thick	100pcs. per PE bag	VEAP-5350-18-100
Preassembled cap and septa for 18-400 thread screw, PP cap, black, closed, Clear silicone/White PTFE, 0.060" thick	100pcs. per PE bag	VEAP-5360-18-100

Standard screw thread neck vials



18-400 screw thread neck caps

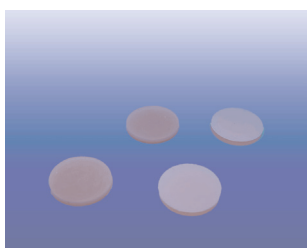
Description	Packaging	Cat. No.
18-400 Screw thread cap, made from PP, black, centre hole	100pcs. per PE bag	VEAP-5310-18-100
18-400 Screw thread cap, made from PP, black, closed	100pcs. per PE bag	VEAP-5320-18-100

18-400 screw thread neck septas

Description	Packaging	Cat. No.
Septa for 18-400 screw thread cap, Clear silicone/ White PTFE, 0.060" thick, ultra low bleed	100pcs. per PE bag	VFAP-606050ULB-18-100

24-400 standard screw thread neck 20mL, 40mL, 60mL EPA/VOA vials

- You can use them on below brand instrument: Agilent, Dionex, Shimadzu, Tekmar, Thermo Scientific, Varian.
- Broad range of EPA vials in clear and amber glass
- Volumes of 20mL, 20mL, 40mL and 60mL available



24-400 screw thread neck vials

Description	Packaging	Cat. No.
24-400 Thread screw neck EPA vial, 20ml, 57x27.5mm, clear glass, Borosilicate Type I Class A	100pcs. per Carton, 8 Cartons per Case	VEAP-320024-2587-100
24-400 Thread screw neck EPA vial, 20ml, 57x27.5mm, amber glass, Borosilicate Type I Class B	100pcs. per Carton, 8 Cartons per Case	VEAP-320024-2587A-100
24-400 Thread screw neck EPA vial, 20ml, 57x27.5mm, clear glass, white marking spot and CNW LOGO, Borosilicate Type I Class A	100pcs. per Carton, 8 Cartons per Case	VEAP-320024E-2587-100
24-400 Thread screw neck EPA vial, 20ml, 57x27.5mm, amber glass, white marking spot and CNW LOGO, Borosilicate Type I Class B	100pcs. per Carton, 8 Cartons per Case	VEAP-320024E-2587A-100
24-400 Thread screw neck EPA vial, 20ml, 57x27.5mm, clear glass, Borosilicate type 70	100pcs. per Carton, 8 Cartons per Case	VAAP-3200247-2857-100
24-400 Thread screw neck EPA vial, 20ml, 57x27.5mm, amber glass, Borosilicate type 70	100pcs. per Carton, 8 Cartons per Case	VAAP-3200247-2857A-100
24-400 Thread screw neck EPA vial, 40ml, 95x27.5mm, clear glass, Borosilicate Type I Class A	100pcs. per Carton, 4 Cartons per Case	VAAP-340024-2895-100
24-400 Thread screw neck EPA vial, 40ml, 95x27.5mm, amber glass, Borosilicate Type I Class B	100pcs. per Carton, 4 Cartons per Case	VAAP-340024-2895A-100
24-400 Thread screw neck EPA vial, 40ml, 95x27.5mm, clear glass, white marking spot and CNW LOGO, Borosilicate Type I Class A	100pcs. per Carton, 4 Cartons per Case	VAAP-340024E-2895-100
24-400 Thread screw neck EPA vial, 40ml, 95x27.5mm, amber glass, white marking spot and CNW LOGO, Borosilicate Type I Class B	100pcs. per Carton, 4 Cartons per Case	VAAP-340024E-2895A-100
24-400 Thread screw neck EPA vial, 40ml, 95x27.5mm, clear glass, Borosilicate type 70	100pcs. per Carton, 4 Cartons per Case	VAAP-3400247-2895-100
24-400 Thread screw neck EPA vial, 40ml, 95x27.5mm, amber glass, Borosilicate type 70	100pcs. per Carton, 4 Cartons per Case	VAAP-3400247-2895A-100
24-400 Thread screw neck EPA vial, 60ml, 140x27.5mm, clear glass, white marking spot and CNW LOGO, Borosilicate Type I Class A	100pcs. per Carton, 4 Cartons per Case	VAAP-360024E-28140-100
24-400 Thread screw neck EPA vial, 60ml, 140x27.5mm, amber glass, white marking spot and CNW LOGO, Borosilicate Type I Class B	100pcs. per Carton, 4 Cartons per Case	VAAP-360024E-28140A-100
24-400 Thread screw neck EPA vial, 60ml, 140x27.5mm, clear glass, Borosilicate type 70	100pcs. per Carton, 4 Cartons per Case	VAAP-3600247-28140-100
24-400 Thread screw neck EPA vial, 60ml, 140x27.5mm, amber glass, Borosilicate type 70	100pcs. per Carton, 4 Cartons per Case	VAAP-3600247-28140A-100



24-400 screw thread neck preassembled caps

Description	Packaging	Cat. No.
Preassembled cap and septa for 24-400 thread screw, PP cap, black, centre hole, Clear silicone/White PTFE, 0.100" thick	100pcs. per PE bag	VAEP-5350-24-100
Preassembled cap and septa for 24-400 thread screw, PP cap, black, closed, Clear silicone/White PTFE, 0.100" thick	100pcs. per PE bag	VAEP-5360-24-100
Preassembled cap and septa for 24-400 thread screw, PP cap, black, closed, Red Butyl/Grey PTFE, 0.060" thick	100pcs. per PE bag	VAEP-5360F-24-100
Preassembled cap and septa for 24-400 thread screw, PP cap, white, centre hole, Clear silicone/White PTFE, 0.100" thick	100pcs. per PE bag	VAEP-5350W-24-100
Preassembled cap and septa for 24-400 thread screw, PP cap, white, closed, Clear silicone/White PTFE, 0.100" thick	100pcs. per PE bag	VAEP-5360W-24-100



24-400 screw thread neck caps

Description	Packaging	Cat. No.
24-400 Screw thread cap, made from PP, black, centre hole	100pcs. per PE bag	VEAP-5310-24-100
24-400 Screw thread cap, made from PP, black, closed	100pcs. per PE bag	VEAP-5320-24-100
24-400 Screw thread cap, made from PP, white, centre hole	100pcs. per PE bag	VEAP-5310-24W-100
24-400 Screw thread cap, made from PP, white, closed	100pcs. per PE bag	VEAP-5320-24W-100



24-400 screw thread neck septum

Description	Packaging	Cat. No.
Septa for 24-400 screw thread cap, white PTFE only, 0.010" thick	100pcs. per PE bag	VFAP-601010-24-100
Septa for 24-400 screw thread cap, Red Butyl/Grey PTFE, 0.060" thick	100pcs. per PE bag	VFAP-606040F-24-100
Septa for 24-400 screw thread cap, Clear silicone/White PTFE, 0.100" thick	100pcs. per PE bag	VFAP-610050L-24-100
Septa for 24-400 screw thread cap, Clear silicone/White PTFE, 0.100" thick, ultra low bleed	100pcs. per PE bag	VFAP-610050ULB-24-100

Sampling Bottles

- These large volume sample bottles are so related to environmental samples. According to customer's requirements, we provide the corresponding product.
- Large open mouth bottles are designed for storing the soil, sediments and sludge samples.
- Narrow open mouth bottles are suitable for storing liquid samples.
- All the sampling bottles with cap and the inner liner.
- Brown sample bottles are suitable for storing light-sensitive samples.



Straight bottle

Suitable for storing the soil, sediments and sludge samples.

Description	Packaging	Cat. No.
30mL flint glass jar, screw finish 38/R3, 38/R3 mm black screw cap, material phenolic moulding poeder, mounted waxed KKPVDC-liner	48pcs. Per Carton	VAEQ-P14801-30-48
60mL flint glass jar, screw finish 51/R3, 51/R3 mm black screw cap, material phenolic moulding poeder, mounted waxed KKPVDC-liner	48pcs. Per Carton	VAEQ-P14801-60-48

Sampling Bottles/large open mouth bottle

Description	Packaging	Cat. No.
120mL flint glass jar, screw finish 58/R3, 58/R3 mm black screw cap, material phenolic moulding poeder, mounted waxed KKPVDC-liner	12pcs. Per Carton	VAEQ-P14801-120-12

large open mouth bottle

Suitable for storing the soil, sediments and sludge samples.

Description	Packaging	Cat. No.
Weithalsglaeser, Material:Glas Hydrolytische Klasse III, weiB, 30mL, DIN 32, Verschluesse fuer braune und weiBe Weithalsglaeser, schwarz, PP, LKD, DIN32	48pcs. Per Carton	VAEQ-P14802-30-48
Weithalsglaeser, Material:Glas Hydrolytische Klasse III, braun, 30mL, DIN 32, Verschluesse fuer braune und weiBe Weithalsglaeser, schwarz, PP, LKD, DIN32	48pcs. Per Carton	VAEQ-P14802-30A-48
Weithalsglaeser, Material:Glas Hydrolytische Klasse III, weiB, 50mL, DIN 32, Verschluesse fuer braune und weiBe Weithalsglaeser, schwarz, PP, LKD, DIN32	24pcs. Per Carton	VAEQ-P14802-50-24
Weithalsglaeser, Material:Glas Hydrolytische Klasse III, braun, 50mL, DIN 32, Verschluesse fuer braune und weiBe Weithalsglaeser, schwarz, PP, LKD, DIN32	48pcs. Per Carton	VAEQ-P14802-50A-24
Weithalsglaeser, Material:Glas Hydrolytische Klasse III, weiB, 125mL, DIN 40, Verschluesse fuer braune und weiBe Weithalsglaeser, schwarz, PP, LKD, DIN40	12pcs. Per Carton	VAEQ-P14802-125-12
Weithalsglaeser, Material:Glas Hydrolytische Klasse III, braun, 125mL, DIN 40, Verschluesse fuer braune und weiBe Weithalsglaeser, schwarz, PP, LKD, DIN40	12pcs. Per Carton	VAEQ-P14802-125A-12
Weithalsglaeser, Material:Glas Hydrolytische Klasse III, weiB, 250mL, DIN 55, Verschluesse fuer braune und weiBe Weithalsglaeser, schwarz, PP, LKD, DIN55	12pcs. Per Carton	VAEQ-P14802-250-12
Weithalsglaeser, Material:Glas Hydrolytische Klasse III, braun, 250mL, DIN 55, Verschluesse fuer braune und weiBe Weithalsglaeser, schwarz, PP, LKD, DIN55	12pcs. Per Carton	VAEQ-P14802-250A-12
Weithalsglaeser, Material:Glas Hydrolytische Klasse III, weiB, 500mL, DIN 55, Verschluesse fuer braune und weiBe Weithalsglaeser, schwarz, PP, LKD, DIN55	6pcs. Per Carton	VAEQ-P14802-500-6
Weithalsglaeser, Material:Glas Hydrolytische Klasse III, braun, 500mL, DIN 55, Verschluesse fuer braune und weiBe Weithalsglaeser, schwarz, PP, LKD, DIN55	6pcs. Per Carton	VAEQ-P14802-500A-6
50mL white wide mouth glass jar, neck DIN 40, DIN 40 black PPN-caps, with white 2 mm PE-foam inlays	24pcs. Per Carton	VAEQ-P14803-50-24
50mL amber wide mouth glass jar, neck DIN 40, DIN 40 black PPN-caps, with white 2 mm PE-foam inlays	24pcs. Per Carton	VAEQ-P14803-50A-24



Vials

Boston bottle

- suitable for storing liquid samples.
- suitable for storing light-sensitive samples.
- With a polypropylene cap and 0.015" PTFE liner.

Description	Packaging	Cat. No.
Boston Flauml;schchen, Material:Glas Hydrolytische Klasse III, braun, 30mL, neck 20-400, mit wei szlig;em Schraubverschluss, 0,010 "PTFE-Inlay, slash;33x78mm	24pcs. Per Carton	VAEQ-T12251-30A-24

Vials Rack

Description	Packaging	Cat. No.
Vails Rack for 12mm, 2mL vials, made from PP, white.	1 pcs. Per Carton	VHEQ-GSCM01W-1
Vails Rack for 12mm, 2mL vials, made from PP, blue.	1 pcs. Per Carton	VHEQ-GSCM01B-1
Vails Rack for 12mm, 2mL vials, made from PP, red.	1 pcs. Per Carton	VHEQ-GSCM01R-1

Description	Packaging	Cat. No.
Vails Rack for 12mm, 2mL vials, made from PP, white.	5 pcs. Per Carton	VHEQ-GSCM01W
Vails Rack for 12mm, 2mL vials, made from PP, blue.	5 pcs. Per Carton	VHEQ-GSCM01B
Vails Rack for 12mm, 2mL vials, made from PP, red.	5 pcs. Per Carton	VHEQ-GSCM01R

Other colours products are on require.

Glass magnet

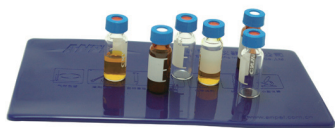
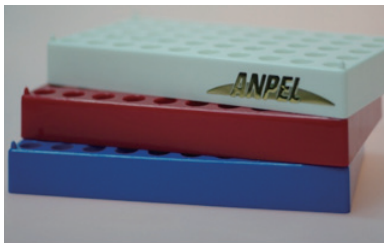
- Glass magnet is made from ploy urethane, which have good adsorptivity. So this product can adhere to the table surface and the samples without other assistant,
- This product is skidproof, flame resistant, antibacterial, easy to use, easy to transfer.
- This products solved the problem that sample vials are too small to operate, avoid losing or sloping when hand sampling in chromatogram laboratory.

Description	Packaging	Cat. No.
Glass magnet, blue, 160x90mm	1 pcs. Per PE bag	VHAP-1690-1
Glass magnet, black, 160x90mm	1 pcs. Per PE bag	VHAP-1690B-1
Glass magnet, pink, 160x90mm	1 pcs. Per PE bag	VHAP-1690P-1
Glass magnet, red, 160x90mm	1 pcs. Per PE bag	VHAP-1690R-1
Glass magnet, blue, 160x90mm	5 pcs. Per Carton	VHAP-1690
GGlass magnet, black, 160x90mm	5 pcs. Per Carton	VHAP-1690B
Glass magnet, pink, 160x90mm	5 pcs. Per Carton	VHAP-1690P
Glass magnet, red, 160x90mm	5 pcs. Per Carton	VHAP-1690R

Colored Labelling Tape

- It can be attached to glass, plastic, metal, paper products, and rubber products.
- Strong tolerance (acid resistance, water resistance, oil resistance); Wide scope of heat-resistant (it can be used in 121 C hot and humid sterilization, and used for -20 C storage).
- Can be easily removed or transferred paste on another place, with no back glue residue.
- Can be marked by pencils, ballpoint pens, neutral pens and so on; and can be used for color labeling.

Description	Packaging	Cat. No.
Coloured Labelling Tape Rainbow (red/orange/yellow/green/blue/pink/white)	3/4 Inch X 500 Inch,7 rolls per. pk	QBAA-1913
Coloured Labelling Tape cutter	1 pcs. per bag	QBAA-2010





GC



HPLC



SPE



Sample Vials



Reagents



Standard



Equipment



IVD



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How to contact us quikly?

→ Call: +86 021-64684886 / Email:selena@anpelsci.com

→ Add:

