



CHROMATOGRAPHY | GLASS
& Accessories®

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NOTES :

ND8 Screw Neck



- Standard vials for GC and HPLC. • Broad range of Micro-Inserts.
- Vials and seals also available as 2in1 KIT. Contact to distributor
- Small opening requires Micro-Inserts with a diameter of 5mm.
- Micro-Insert with flat bottom also available.

The original, smaller opening vial with an 8-425 thread size screw cap. The dimensions of autosampler vials are various. They are designed to work in a variety of autosamplers requiring narrow neck vials.

Available with black caps, and a variety of septa to meet the needs of your application. optimal performance w/ Shimadzu, Varian, Hitachi.

Available as closed top screw seals or with centre hole.

Caps are made of high quality polypropylene to exact manufacturing tolerances and lined in a controlled manufacturing environment.

Designed for multiple injections and/or longer sample cycles for both GC and LC applications.

High quality silicone compounds are used to ensure proper re-sealing and reduced chances of coring.

01 Screw Neck ND8 Vials, Capps, Septas, Inserts



Cat. No	10 08 9175	10 08 9176	10 0 9177	10 08 9178
Volume	1.5ml	1.5ml	1.5ml	1.5ml
Dimension	11.6x32mm	11.6x32mm	11.6x32mm	11.6x32mm
Glass Type	Clear	Clear	Amber	Amber
Labeling		label & filling lines		label & filling lines
Opening	Narrow	Narrow	Narrow	Narrow

Cat. No	10 08 9271	10 08 9272	10 08 9273	10 08 9274
Volume	150 UL	200 UL	350 UL	200 UL
Dimension	31x5mm	31x5mm	31x5mm	29x5mm
Bottom	Connical	Connical	Flat	Connical
				Plastic Spring



Cat. No	10 08 9010	10 08 9011	10 08 9012	10 08 9013	10 08 9014	10 08 9015
Color	Black	Black	Black	Black	Black	Black
Septa	Red PTFE	Red PTFE	Blue PTFE	Red PTFE	Red PTFE	Red PTFE
	White Silicon	White Silicon	White Silicon	White Silicon	White Silicon	White Silicon
Thick	1.3mm	1.3mm	1.3mm	1.0mm	1.0mm	1.3mm

ND9

The Universal Autosampler Vial VIALS



It is dimensionally equivalent to 11mm crimp top vials and 10- 425 screw vials. The 9mm screw vials can be used in any au- tosampler which used 11mm crimp top vials and 10-425 screw vials. Compared to 11mm crimp top type, the 9mm screw one can be much applied as hand removing convenient.

The vials can be used on all common autosamplers due to their technical geometry, preferentially they are found on Agilent, HTA, Shimadzu, Thermo, Varian, Waters, etc. 9mm screw thread caps, septa, and vials are designed especially for use with Agilent's and other rotating or robotic arm samplers.

9mm screw thread caps, septa, and vials are designed especially for use with Agilent's and other rotating or robotic arm samplers. 1.5ml, 11.6X32mm vials are manufactured of Clear, Type Borasilicat Class A or Amber, Class B borosilicate glass and include a write-on patch for sample identification Fit all 1.5ml, 11.6x32mm, screw-thread vial based autosamplers. Shorter screw cap allows the robotic autosampler to function properly.

Wider opening prevents syringe problems. Variety of colors and liner material. Unique thread design for consis- tently secure seal Precision-formed neck for optimal robotic arm handling 40% larger opening than standard narrow opening vials Provide graduated write-on marking area, measures 0.5, 1.0 and 1.5ml



Cat. No	10 09 9175	10 09 9176	10 09 9177	10 09 9178
Volume	1.5ml	1.5ml	1.5ml	1.5ml
Dimension	11.6x32mm	11.6x32mm	11.6x32mm	11.6x32mm
Glass Type	Clear	Clear	Amber	Amber
Labeling	Non Label	label & filling lines	Non Label	label & filling lines
Opening	Wide	Wide	Wide	Wide

Cat. No	10 09 9179	10 09 9180	10 09 9181
Insert Volume	150 UL Connical	200 UL Connical	200 UL Connical
Dimension	11.6x32mm	11.6x32mm	11.6x32mm
Glass Type	Clear	Amber	Clear
Labeling	label & filling lines	label & filling lines	label & filling lines
Opening	Wide	Wide	Wide



Cat. No	10 09 9271	10 09 9272	10 09 9273	10 09 9274
Volume	200 UL	250 UL	250 UL	350 UL
Dimension	31x5.8mm	31x5.8mm	29x5.8mm	31x5.8mm
Bottom	Conical	Conical	Conical Plastic Spring	Flat



Cat. No	10 09 9010	10 09 9011	10 09 9015	10 09 9012	10 09 9013
Cap Color	Blue	Blue	Blue	Blue	Blue
Septa	Red PTFE	White PTFE	Blue PTFE	Red PTFE	Blue PTFE
Thick	White Silicon	Red Silicon	White Silicon Slitted	White Silicon Bonded	White Silicon Bonded-Slitted
	1.0mm	1.0mm	1.0mm	1.0mm	1.0mm

ND10

Vials, Capps, Septas
SCREW NECK



Wide opening enables easy filling with viscous materials.

40% larger opening than other vials.

step profile automatically centers glass flange
limited volume inserts. Designed for Waters
Alliance® autosamplers

and incorporates finish that is uniquely designed
to allow the insert to be precisely aligned in the
center of vial. This precise alignment provides
maximum sample withdrawal and eliminates any
chance missed injections.

03 Screw Neck ND10 Vials, Capps, Septas



Cat. No	10 10 9175	10 10 9176	10 10 9177	10 10 9178
Volume	1.5ml	1.5ml	1.5ml	1.5ml
Dimension	11.6x32mm	11.6x32mm	11.6x32mm	11.6x32mm
Glass Type	Clear	Clear	Amber	Amber
Labeling	Non Label	label & filling lines	Non Label	label & filling lines
Opening	Wide	Wide	Wide	Wide

Cat. No	10 09 9271	10 09 9272	10 09 9273	10 09 9274
Volume	200 UL	250 UL	250 UL	350 UL
Dimension	31x5.8mm	31x5.8mm	29x5.8mm	31x5.8mm
Bottom	Conical	Conical	Conical	Flat
			Plastic Spring	



Cat. No	10 10 9010	10 10 9011	10 10 9012	10 10 9013	10 10 9014	10 10 9015
Cap Color	Black & Blue	Black & Blue	Black & Blue	Black & Blue	Black & Blue	Black & Blue
Septa	Red PTFE	White PTFE	White PTFE	Blue PTFE	Red PTFE	Blue PTFE
	White Silicon	White Silicon	Red Silicon	White Silicon	White Silicon	White Silicon
Thick	1.0mm	1.0mm	1.0mm	1.0mm	1.0mm	1.0mm

ND11 VIALS



Standard vials for GC and HPLC.

The vials are preferentially used on instruments of the following manufacturers: Agilent, Carlo Erba, CTC, DANI, Fisons, Gerstel, Jasco, PerkinElmer, Shimadzu, Spark, Thermo Scientific, Varian, etc. Crimps smoothly and easily no more sharp edges from an aluminum cap. Easily decaps using standard decapping tools.

Eliminates inconsistent sealing that results from improper crimping. Unique design holds the septum firmly in place.

Provides better seal than snap caps.

Meets CONEG standards.

The Crimp Seal is free of heavy metals easily disposed of or incinerated..



Cat. No
Volume
Dimension
Glass Type
Labeling
Opening

10 11 9175
1.5ml
11.6x32mm
Clear
Non Label
Wide

10 11 9176
1.5ml
11.6x32mm
Clear
label & filling lines
Wide

10 11 9177
1.5ml
11.6x32mm
Amber
Non Label
Wide

10 11 9178
1.5ml
11.6x32mm
Amber
label & filling lines
Wide



Cat. No
Insert Volume
Dimension
Glass Type
Labeling
Opening

10 09 9179
150 UL Connical
11.6x32mm
Clear
label & filling lines
Wide

10 09 9180
200 UL Connical
11.6x32mm
Amber
label & filling lines
Wide

10 09 9181
200 UL Connical
11.6x32mm
Clear
label & filling lines
Wide



Cat. No
Volume
Dimension
Bottom

10 09 9271
200 UL
31x5.8mm
Conical

10 09 9272
250 UL
31x5.8mm
Conical

10 09 9273
250 UL
29x5.8mm
Conical
Plastic Spring

10 09 9274
350 UL
31x5.8mm
Flat



Cat. No
Cap Color
Septa

10 11 9101
Silver
TEF
Natural Rubber

10 11 9102
Silver
TEF
Red Rubber

10 11 9103
Silver
Red PTFE
White Silicon

10 11 9104
Silver
Red PTFE
White Silicon
Slited

10 11 9105
Silver
Blue PTFE
White Silicon

Thick

1.0mm

1.0mm

1.1mm

1.0mm

1.0mm

ND11 SNAP RING VIALS



The vials are preferentially used on instruments of the following manufacturers:

Agilent, CTC, DANI, Dionex, Jasco, Shimadzu, Spark, Thermo Scientific, Varian, VWR (Merck®)/Hitachi, Waters®, etc.

We recommend this vial-/closure system for HPLC applications only.

Universally usable vials for almost all autosamplers, even for those with robotic handling.

Vials can also be crimped with a standard 11mm Aluminum Crimp Seal, as the two snap ring lips have the same height as a crimp neck

Wide opening enables easy filling with viscous materials.

05 SNAP RING NDTI Vials



Cat. No	10 11 9185	10 11 9186	10 11 9187	10 11 9188
Volume	1.5ml	1.5ml	1.5ml	1.5ml
Dimension	11.6x32mm	11.6x32mm	11.6x32mm	11.6x32mm
Glass Type	Clear	Clear	Amber	Amber
Labeling	Non Label	label & filling lines	Non Label	label & filling lines
Opening	Wide	Wide	Wide	Wide



Cat. No	10 09 9271	10 09 9272	10 09 9273	10 09 9274
Volume	200 UL	250 UL	250 UL	350 UL
Dimension	31x5.8mm	31x5.8mm	29x5.8mm	31x5.8mm
Bottom	Conical	Conical	Conical	Flat
			Plastic Spring	

Cat. No
Cap Color
Septa

Thick



Cat. No	10 11 9111	10 11 9112	10 11 9113	10 11 9114
Inserted Vol.	200 UL Connical	200 UL Connical	200 UL Connical	200 UL Connical
Dimension	11.6x32mm	11.6x32mm	11.6x32mm	11.6x32mm
Glass Type	Clear	Clear	Amber	Amber
Opening	Wide	Wide	Wide	Wide
	Blue &Trans. PP	Blue &Trans. PP	Blue &Trans. PP	Blue &Trans. PP
	FEP	PTFE	Red PTFE	Red PTFE
	Natural Rubber	Red Rubber	White Silicon	White Silicon
	1.0mm	1.0mm	1.1mm	1.0mm
				Slited

ND13 SCREW NECK



The vials are preferentially used on instruments of the following manufacturers:

Dionex, Shimadzu, Spark, Varian, VWR (Merck®)/Hitachi, Waters® (Wisp 48 Position Carousel), etc.

Vials are packed in a cleanroom in reclosable, tamper-proof evident PP-Boxes.

For storage purposes also available with closed top screw seals.



Cat. No
Volume
Dimension
Glass Type
Labeling
Opening

10 13 9175
4 ml
14.7x45mm
Clear
Non Label
Wide

10 13 9175
4 ml
14.7x45mm
Clear
label & filling lines
Wide

10 13 9175
4 ml
14.7x45mm
Amber
Non Label
Wide

10 13 9175
4 ml
11.6x32mm
Amber
label & filling lines
Wide



Cat. No
Cap Color
Septa

10 13 9110
Black
FEP
Natural Rubber

10 13 9110
Black
Red PTFE
White Silicon

10 13 9110
Black
Blue PTFE
White Silicon

10 13 9110
Black
White PTFE
Red Silicon
Slited

10 13 9110
Black
FEP
Natural Rubber
Closed Top

10 13 9110
Black
Red PTFE
White Silicon
Closed Top

Thick

1.0mm

1.0mm

1.1mm

1.0mm

1.0mm

ND20

Head Space Vials, Capps, Septas



Vial Size :Headspace vials are available in 6, 10 and 20ml sizes. Use a vial large enough to ensure adequate headspace or phase ratio without excessive dilution of the components of interest. Phase ratio is discussed later and should normally be at least 50% of the sample volume.

Bottom Profile: Headspace vials may be round-bottomed or flat-bottomed. both of types are suitable but round-bottomed vials tend to be stronger and may work more reliably when the autosampler moves the vials into and out of the incubator. Round-bottomed vials also tend to withstand higher pressures and are more suitable for elevated temperatures and applications such as derivatization.

Septa Choice: Use septa suitable for the temperature of the system. Poor septa can result in bleed and so contaminate the headspace.

Correct Crimping: Headspace vials must be correctly crimped. Ensure the crimper is not worn and is adjusted correctly. The cap should not turn after application to the vial. Find out more about correct vial crimping.

Simple Definition 'Headspace' is the gas space above the sample in a chromatography vial. Volatile sample components diffuse into the gas phase, forming the headspace gas. Headspace analysis is therefore the analysis of the components present in that gas. Suitability Headspace gas chromatography is most suited to the analysis of the very light volatiles in samples that can be efficiently partitioned into the headspace gas volume from the liquid or solid matrix sample. Higher boiling volatiles and semi-volatiles are not detectable with this technique due to their low partition in the gas headspace volume. Partitioning is covered in more details later in this article. Headspace gas analysis also lends itself to automation for quality control or sample screening. This is made possible by modern instrumentation, through which highly reproducible samples can be prepared in an efficient and accurate manner. Complex sample matrices, which may be difficult to analyse directly or would otherwise require sample extraction or preparation, are ideal candidates for headspace since they can be placed directly in a vial with little or no preparation. This saves both time and money. Applications Headspace GC is used for the analysis of volatile and semi-volatile organics in solid, liquid and gas samples. The popularity of this technique has grown over recent years and has now gained worldwide acceptance for analyses of alcohols in blood and residual solvents in pharmaceutical products. Other common applications include industrial analyses of monomers in polymers and plastic, flavour compounds in beverages and food products, and fragrances in perfumes and cosmetics. DAC high quality headspace vials have a beveled neck for a secure seal, uniform glass thickness for even heat distribution and a stable, strong design for ease of use. They are available with rounded or flat bottom profiles for accurate instrument compatibility.

Use with 20mm headspace caps and septa and seal with 20mm crimping accessories.

07 Head Space Vials, Capps, Septas, (ND20)



Cat. No	10 20 9171	10 20 9172	10 20 9173	10 20 9174	10 20 9175	10 20 9176	10 20 9177	10 20 9178
Volume	10 ml	10 ml	20 ml	20 ml	10 ml	10 ml	20 ml	20 ml
Dimension	22.5x46mm	22.5x46mm	22.5x75mm	22.5x75mm	22.5x46mm	22.5x46mm	22.5x75mm	22.5x75mm
Glass Type	Clear	Amber	Clear	Amber	Clear	Amber	Clear	Amber
Bottom	Flat	Flat	Flat	Flat	Rounded	Rounded	Rounded	Rounded



Cat. No	10 20 9111	10 20 9112	10 20 9113
Cap Color	Silver	Silver	Silver
Septa	Natural PTFE	White PTFE	Trans. PTFE
	White Silicon	White Silicon	Trans. Silicon
Thick	3.0mm	3.0mm	3.0mm



Cat. No	10 18 1871	10 18 1871	10 18 1871	10 18 1871	Cat. No	10 18 9111	10 18 9112	10 18 9113	10 18 9114
Volume	10 ml	10 ml	20 ml	20 ml	Cap Color	Silver -Magnetic	Silver -Magnetic	Silver -Magnetic	Silver -Magnetic
Dimension	22.5x46mm	22.5x46mm	22.5x75mm	22.5x75mm	Septa	Red PTFE	Blue PTFE	Red PTFE	Blue PTFE
Glass Type	Clear	Clear	Amber	Amber	Thick	White Silicon	White Silicon	White Silicon	White Silicon
Bottom	Rounded	Rounded	Rounded	Rounded		3.0mm	3.0mm	1.5mm	1.5mm

Note: Our ND18 Vials and Caps perfect fit to for CTC-Autosamplers Shimadzu, Agilent GC Headspaces Systems

ND24

Head Space Vials, Capps, Septas
SCREW NECK



Broad range of EPA Vials in clear and amber glass.

PTFE faced 0.125" silicone septa.

Available for TOC Assembled VialCap+Septa Kit (Closed in Pack)

The vials are preferentially used on instruments of the following manufacturers:

Agilent, Dionex, Shimadzu, Tekmar, Thermo Scientific, Varian

Pre-sealed vials are available, especially needed for EPA-TOC analysis Available Pigment

Free septa for TOC and Cleaning validation analyses

09 ND24 ScREW Neck



Cat. No
Volume
Dimension
Glass Type

10 24 9171

20 ml

27.5x57mm

Clear



10 24 9172

20 ml

27.5x57mm

Amber



10 24 9173

40 ml

27.5x95mm

Clear



10 24 9174

40 ml

27.5x95mm

Amber



10 24 9175

60 ml

27.5x140mm

Clear



10 24 9176

60 ml

27.5x140mm

Amber

10 24 1001

TOC Vial Kit available

Vial

Cap

Septa

Plastic Cover

Cat. No
Cap Color
Septa

10 24 9101

White

Nat. PTFE

White Silicon

10 24 9102

White

Nat. PTFE

White Silicon

10 24 9103

White

Nat. PTFE

White Silicon

Closed Top

10 24 9104

White

Gray PTFE

Natural Rubber

Closed Top

10 24 9104

White

PE

Closed Top

Thick

3.0mm

1.5mm

3.0mm

3.0mm

1.0mm

Accessories

DAC Easy Grip Manual Crimper and Decapper



Our Easy Grip Manual Crimper and Decapper for all 11, 13 and 20 mm crimp caps. The curved handle features comfortable use compared to metal grip designs. The bottom-pull handle allows for a steadier hold than top-push handles.



An easily-viewed adjustment knob is located at the head of the crimper and decapper. The clearly shown + and - symbols along with the directional arrows, simplify adjusting the intensity of the crimp or decap needed. The knob is also designed to indicate when the crimp setting has been reached, when it fully contacts the body of the crimper/ decapper.



All Easy Grip Manual Crimper and Decapper are equipped with an adjustment knob.

Cat. No	CRM.ND11C	DCP.ND11C	CRM.ND13C	DCP.ND13C	CRM.ND20C	DCP.ND20C
Size	11mm	11mm	13mm	13mm	20mm	20mm
Application	Crimper	Decapper	Crimper	Decapper	Crimper	Decapper
Style	Esay Grip	Esay Grip	Esay Grip	Esay Grip	Esay Grip	Esay Grip