

Vials

Standard Vials



- Used typically for storage and also digestion in geochemistry
- Flat base for maximum heating efficiency
- Select the interior shape to suit the application
- Square exterior vials with hex closures have higher pressure rating
- Fin exterior vial used for microdistillation
- Maximum service temperature of PFA is 500°F/260°C
- Closures sold separately on page 43. Vial trays available on page 45.

	Volume	Part Number	Interior	Exterior	Base Diameter x Height (with closure)	Accepts Closure Size	Tray Size	Pressure Rating*
	3 ml	200-003-12	—	□	17.3 x 26.4	23 mm	21 mm	60 PSI
A	3 ml	200-003-20	U	□	17.3 x 26.4	23 mm	21 mm	60 PSI
	3 ml	200-003-30	V	□	17.3 x 26.4	23 mm	21 mm	60 PSI
B	5 ml	200-005-12	—	O	22.1 x 33.3	24 mm	21 mm	25 PSI
	5 ml	200-005-20	U	O	22.1 x 33.3	24 mm	21 mm	25 PSI
	5 ml	200-005-30	V	O	22.1 x 33.3	24 mm	21 mm	25 PSI
C	5 ml	200-005-32	V	M	22.1 x 33.3	24 mm	21 mm	25 PSI
D	6 ml	200-006-20	U	□	17.8 x 46.5	24 mm	21 mm	25 PSI
E	7 ml	200-007-10	—	O	22.1 x 37.1	24 mm	21 mm	25 PSI
	7 ml	200-007-20	U	O	22.1 x 37.1	24 mm	21 mm	25 PSI
	7 ml	200-007-30	V	O	22.1 x 37.1	24 mm	21 mm	25 PSI
F	15 ml	200-015-12	—	O	30.5 x 41.1	33 mm	29 mm	10 PSI
	15 ml	200-015-20	U	O	30.5 x 41.4	33 mm	29 mm	10 PSI
	15 ml	200-015-30	V	O	30.5 x 41.4	33 mm	29 mm	10 PSI
G	22 ml	200-022-12	—	O	30.5 x 55.6	33 mm	29 mm	10 PSI
	22 ml	200-022-20	U	O	30.5 x 56.1	33 mm	29 mm	10 PSI
	22 ml	200-022-30	V	O	30.5 x 55.6	33 mm	29 mm	10 PSI
H	30 ml	200-030-12	—	O	30.5 x 69.9	33 mm	29 mm	10 PSI
	30 ml	200-030-20	U	O	30.5 x 70.1	33 mm	29 mm	10 PSI
	30 ml	200-030-30	V	O	30.5 x 79.0	33 mm	29 mm	10 PSI
	60 ml	200-060-12	—	O	30.7 x 133.9	33 mm	29 mm	10 PSI
	60 ml	200-060-20	U	O	30.7 x 132.1	33 mm	29 mm	10 PSI
I	60 ml	200-060-30	V	O	30.7 x 132.1	33 mm	29 mm	10 PSI



Shown with wrench set and socket cap (see page 45)



Rounded Interior Conical Interior Flat Interior



Round Exterior Square Exterior Fin Exterior

V = Conical Interior U = Rounded Interior — = Flat Interior

O = Round Exterior □ = Square Exterior M = Fin Exterior

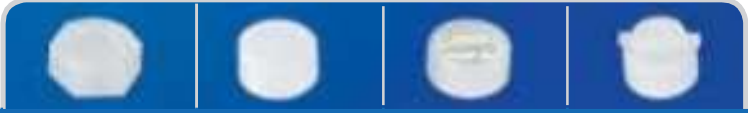
*Pressure rating at 100°F/38°C

CAUTION: For every 2°F/1°C increase above 100°F/38°C, reduce pressure rating by 1 PSI.

Modifications may be available upon request

Dimensions available online for download

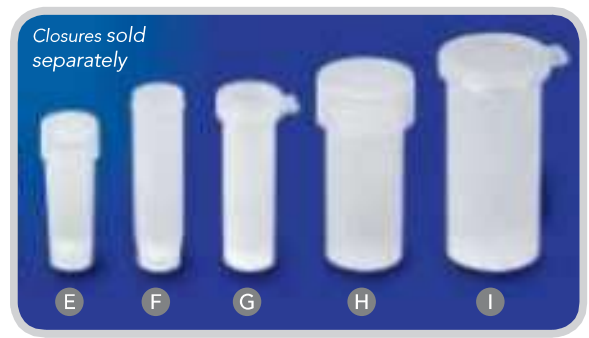
Standard Vial Closures



	Part Number	Part Number	Part Number	Part Number
Closure Size	Plain Hex Threaded	Plain Threaded	Recessed for Nomex® Tabs*	(2) 1/8" Push-In Side Ports
23 mm	600-023-01	-	-	-
24 mm	-	600-024-01	600-024-71	600-024-23
33 mm	-	600-033-01	600-033-71	600-033-23

*Nomex® tabs sold separately

Autosampler Vials



- PFA vials for GFAA and ICP-MS autosamplers
- Significantly lower metal background than polypropylene vials
- Crimp top vials accept standard 11 mm crimp caps



Straight Inside Threaded Top



Straight Inside Crimp Top



Conical Inside Threaded Top



Conical Inside Press On Top



Conical Inside Open Top

	Volume	Part Number	Interior	Diameter x Height (mm) (with closure)	Accepts Closure	
					Part Number	Description
A	.2 ml	200-902-41	V	11.5 x 32.4	crimp top	
B	.2 ml	200-902-40	V	11.4 x 34.5	600-008-01	standard threaded
					600-008-72	septum
					600-008-80	pierceable
C	.5 ml	200-905-43	U	11.5 x 32.4	crimp top	
D	.5 ml	200-905-42	U	11.4 x 34.3	600-008-01	standard threaded
					600-008-72	septum
					600-008-80	pierceable
	1.3 ml	200-913-44	V	12.2 x 39.4	600-013-85	set-on with knob
	1.5 ml	200-915-44	V	12.7 x 31.5	600-012-81	press on
E	2 ml	200-002-44	V	12.2 x 43.7	600-012-81	press on
F	4 ml	200-004-44	V	14.2 x 60.2	600-012-81	press on
G	4 ml	200-004-13	—	15.0 x 52.3	600-018-88	snap on
H	13 ml	200-013-14	—	22.1 x 56.1	600-024-01	standard threaded
					600-024-23	(2) 1/8" push in side ports
					600-024-71	recessed
I	20 ml	200-020-13	—	26.7 x 61.5	600-031-88	snap on

V = Conical Interior U = Straight Interior — = Flat Interior

Vials

Microcentrifuge Vials

	Volume	Part Number	Interior	Diameter x Height (mm) (with closure)	Accepts Closure
A	.50 ml	200-905-50	V	7.8 x 30.9	600-008-83
B	1.5 ml	200-915-50	V	12.7 x 42.3	600-011-83

V = Conical Interior



Specialty Vials

- Low volume digestion vials
- Designed specifically for geochemistry use

	Volume	Part Number	Interior	Diameter x Height (mm) (with closure)	Accepts Closure
C	.20 ml	200-902-60	U	7.9 x 18.7	600-010-82
D	.35 ml	200-904-61	—	15.6 x 30.4	600-015-84

U = Rounded Interior — = Flat Interior

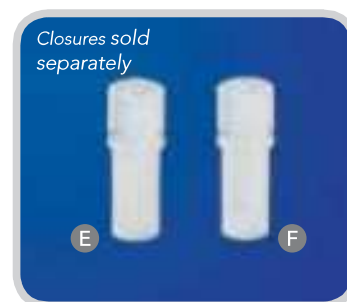


Forensic Vials

- Designed for long-term storage of DNA
- Improves sample recovery over standard PP vials
- Test data available at www.savillex.com

	Volume	Part Number	Interior	Diameter x Height (mm) (with closure)	Accepts Closure	
					Part Number	Description
E	.20 ml	200-702-42	U	10.7 x 34.5	600-008-01	plain threaded
					600-008-80	pierceable
					600-008-72	septum
F	.50 ml	200-705-42	U	10.7 x 34.5	600-008-01	plain threaded
					600-008-80	pierceable
					600-008-72	septum

U = Straight Interior



Vial Accessories

Nomex® Tabs

- Write sample information on Nomex® tab and snap tab into recessed closure
- Nomex® can be used over a wide temperature range
- Tabs must be trimmed when used with 24 mm closure



Part Number	Description	Additional Description
A 730-0100	Snap-in tabs	Packaged in bags of 100

PFA Marking Pen

- Write on PFA easily with these pens
- Made by Staedtler®



Part Number	Description
B 730-0400	Black pen, 0.6 mm line width
C 730-0401	Red pen, 0.6 mm line width

Socket Cap

- Ultem socket cap fits over closure
- Allows higher torque to be applied to closure to increase pressure rating of vial



Part Number	Description	Use with
D 730-5132	Socket cap	23 mm closure

Wrench Set

- Special glass polypropylene wrench set is used to tighten square vial body and hex closure



Part Number	Description	Use with
730-5131	Wrench set	Square exterior vials

Support Screens

- PFA screens can be used in vial to hold solid samples in solutions or act as a coarse filter

Part Number	Description	Use with	Measurements
E 730-0026	Support Screen	15, 22, 30 and 60 ml vials	23.6 mm OD x 14.2 mm height

Trays

- Molded polypropylene trays have 10 numbered compartments and slots for two ID cards
- Trays are heat resistant to 248°F/120°C



Part Number	Description	Length x Width x Height (mm)
F 730-2001	Tray with 21 mm opening	174.8 x 86.7 x 17.8
G 730-2002	Tray with 29 mm opening	217.7 x 86.7 x 32.3

Vials not included