









5. Crimp Neck ND11

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.
(Please have a look at the autosampler compatibility chart on pages 67 - 78 to see on which models they can be used)







- Standard vials for GC and HPLC.
- Vials with a barcode label can be obtained as well as pre-crimped vials.
- Wide range of suitable standard crimp Seals, micro inserts and appropriate crimping and decapping tools



5.1 Crimp Neck Vials ND11, wide opening and Micro-Vials ND11

							
RRB110176	RRB110198	RRB110199	RRB110322 RRB110323	RRB110680	RRB110681	RRB111200 RRB111316	SRB111123
1.5ml Crimp Neck Vial, 32 x 11.6mm, clear glass, 1st hydrol. class, wide opening	1,5ml Crimp Neck Vial, 32 x 11.6mm, clear glass, 1st hydrol. class, wide opening, label + filling lines	1,5ml Crimp Neck Vial, 32 x 11.6mm, amber glass, 1st hydrol. class, wide opening, label + filling lines	Crimp Neck Vial with integrated 0.2ml Micro-Insert, 32 x 11.6mm, clear glass, (Amber Glass) clear glass, 1st hydrol. class, label + filling lines „Top Bonded“	Crimp Neck Vial with integrated 0,3ml Micro-Insert, 32 x 11.6mm, clear glass, 1st hydrol. class	Crimp Neck Vial with integrated 0,3ml Micro-Insert, 32 x 11.6mm, clear glass, 1st hydrol. class	1.1ml Microliter-Vial, Crimp Neck 32 x 11.6mm, clear glass, (Amber Glass) 1st hydrol. class	0,9ml Total Microliter Snap/Crimp Ring Vial ND11, 32 x 11.6mm, clear glass, 1st hydrol. class
SILANIZED RRB110176s		SILANIZED RRB110199s		“Base Bonded“	“Base Bonded“	SILANIZED RRB111200s	
R. vol. < 100 µl	R. vol. < 100 µl	R. vol. < 100 µl	R. vol. < 3 µl	R. vol. < 4 µl	R. vol. < 15 µl	R. vol. < 15 µl	R. vol. < 1 µl
100 pcs.per PP-Box							

5.1 Crimp Neck Vials ND11 (Cont.)

			
RRB110366	RRB110367	RRB110872	RRB110873
0,9ml Micro-Vial, 32 x 10mm, clear glass, 1st hydrol. class, conical	1,1ml Micro-Vial, 32 x 11.6mm, clear glass, 1st hydrol. class, conical	1,1ml Microliter Crimp Neck Vial 32 x 11.6mm clear glass, 1st hydrol. class	1,1ml Microliter Crimp Neck Vial 32 x 11.6mm clear glass, 1st hydrol. class
R. vol. < 2 µl	R. vol. < 4 µl	R. vol. < 15 µl	R. vol. < 15 µl
100 pcs.per PP-Box			

5.2 Micro-Inserts for Vials with 6mm opening

			
MEB060218	MEB060361	MEB060362	MEB060232
0.1ml Micro-Insert, 31 x 6mm, clear glass, 1st hydrol. class, 15mm top SILANIZED	0,1ml Micro-Insert, 31 x 6mm, clear glass, 1st hydrol. class, 12mm top	0,2ml Micro-Insert, 31 x 6mm, clear glass, 1st hydrol. class, flat bottom	0,1ml Micro-Insert, 29 x 5.7mm, clear glass, 1st hydrol. class, with assembled plastic spring SILANIZED
MEB060218s			MEB060232s
R. vol. < 4 µl	R. vol. < 4 µl	R. vol. < 8 µl	R. vol. < 4 µl
10 x 100 pcs.per PP-Box			

5.3 Aluminum Crimp Seals ND11

5.3.1 Natural Rubber/TEF Seals

- Perfect for multiple injections due to its reclosable properties
- Temperature resistant from -40° C to 120° C
- Used in GC and HPLC



Art. No.	BVB110216	BVB110650	BVB110651	BVB110652	BVB110653
Cap	Aluminum Crimp Cap, clear lacquered, 5,5mm hole	Aluminum Crimp Cap, green lacquered, 5,5mm hole	Aluminum Crimp Cap, red lacquered, 5,5mm hole	Aluminum Crimp Cap, blue lacquered, 5,5mm hole	Aluminum Crimp Cap, gold lacquered, 5,5mm hole
Septa	Natural Rubber red-orange/TEF transparent, 60° shore A, 1,0mm *tested instrument manufacturer quality*				
100 pcs. per PE-Bag					

5.3.2 Natural Rubber /Butyl/TEF Seals

- Three-layer, so-called sandwich septa made of natural rubber/butyl/TEF combines the excellent physical properties of natural rubber (resealing properties) with the excellent chemical properties of synthetic butyl (purity)
- Ideal for multiple injections, easier to penetrate than natural rubber/TEF seals



Art. No.	BVB110336	BVB110503	BVB110504	BVB110505	BVB110506
Cap	Aluminum Crimp Cap, clear lacquered, 5,5mm hole	Aluminum Crimp Cap, green lacquered, 5,5mm hole	Aluminum Crimp Cap, red lacquered, 5,5mm hole	Aluminum Crimp Cap, blue lacquered, 5,5mm hole	Aluminum Crimp Cap, gold lacquered, 5,5mm hole
Septa	Natural Rubber red-orange/Butyl/TEF transparent, 45° shore A, 1,0mm				
100 pcs. per PE-Bag					

5.3.3 RedRubber/PTFE Seals

- New synthetic rubber comparable to silicone in terms of purity
- Temperature resistance from -40° C to 150° C
- Preferably recommended for single use injections due to less good reclosing properties
- Applications in GC and HPLC



Art. No.	BVB110789	BVB110790	BVB110791	BVB110792	BVB110793
Cap	Aluminum Crimp Cap, clear lacquered, 5,5mm hole	Aluminum Crimp Cap, green lacquered, 5,5mm hole	Aluminum Crimp Cap, red lacquered, 5,5mm hole	Aluminum Crimp Cap, blue lacquered, 5,5mm hole	Aluminum Crimp Cap, gold lacquered, 5,5mm hole
Septa	RedRubber/PTFE beige, 45° shore A, 1mm *tested instrument manufacturer quality*				
100 pcs. per PE-Bag					



5.3 Aluminum Crimp Seals ND11 (Cont.)

5.3.4 Silicone white/PTFE red Seals

- Is the purest synthetic elastomer and is therefore used for critical analyses
- Temperature resistance from -60° C to 200° C
- Preferably recommended for single use injections due to less good reclosing properties
- Application in GC, HPLC and headspace analysis



Art. No.	BVB110172	BVB110794	BVB110795	BVB110796	BVB110797
Cap	Aluminum Crimp Cap, clear lacquered, 5,5mm hole	Aluminum Crimp Cap, green lacquered, 5,5mm hole	Aluminum Crimp Cap, red lacquered, 5,5mm hole	Aluminum Crimp Cap, blue lacquered, 5,5mm hole	Aluminum Crimp Cap, gold lacquered, 5,5mm hole
Septa	Silicone white/PTFE red, 45° shore A, 1,3mm				
100 pcs. per PE-Bag					

5.3.5 Other Silicone/PTFE Seals

- The purest synthetic elastomer and therefore used for critical analyses
- Silicone septa coated with PTFE on both sides for low particle formation
- Slit septa in HPLC as penetration aid for blunt needles to create a valve effect in case of multiple injections
- Temperature resistance from -60° C to 200° C



Art. No.	BVB110643	BVB110138	BVB110136
Cap	Aluminum Crimp Cap, clear lacquered, 5,5mm hole		
Septa	Silicone cream/PTFE red	PTFE red/Silicone white/PTFE red	Silicone white/PTFE blue, slit
Hardness	55° shore A	45° shore A	55° shore A
Thickness	1,5mm	1,0mm	1,0mm
100 pcs. per PE-Bag			



5.3.6 Butyl/PTFE Seals

- Temperature resistance from -40° C to 120° C



Art. No.	BVB110130	BVB110382
Cap	Aluminum Crimp Cap, clear lacquered, 5,5mm hole	
Septa	Butyl cream/PTFE grey	PTFE grey/Butyl cream/PTFE grey
Hardness	55° shore A	55° shore A
Thickness	1,3mm	1,0mm
100 pcs. per PE-Bag		



5.3 Aluminum Crimp Seals ND11 (Cont.)

5.3.7 High Temperature Seals

- Total phthalate free closure system (TPF closure); elastomer and halogen free septa
- Viton is resistant to a large number of corrosive organic substances; it has a high thermal and chemical resistance; main field of application in the petrochemical industry



Art. No.	BVB110978	BVB110604	BVB110875	BVB110910	BVB110135	BVB110134
Cap	Aluminum Crimp Cap, clear lacquered, 5,5mm hole	Aluminum Crimp Cap, clear lacquered, 5,5mm hole, with roll groove	Aluminum Crimp Cap, clear lacquered, 5,5mm hole	Aluminum Crimp Cap, clear lacquered, 5,5mm hole	Aluminum Crimp Cap, clear lacquered, 5,5mm hole	Aluminum Crimp Cap, clear lacquered, 5,5mm hole
Septa	PTFE virginal	PTFE virginal	PTFE virginal (add. TPF O-ring)	Silicone white/Aluminum foil silver	Viton 1A	Viton 1A
Hardness	53° shore A	53° shore A	53° shore A	50° shore A	70° shore A	70° shore A
Thickness	0,25mm	0,25mm	0,25mm	1,3mm	1,0mm	1,5mm
Applicable		-200 °C bis +260 °C		-40 °C bis +220 °C		-40 °C bis +240 °C
100 pcs. per PE-Bag						

5.3.8 Magnetic Crimp Seals ND11

(for CTC PAL + Thermo Scientific TriPlus Autosampler)



Art. No.	BVB110798	BVB110715
Cap	Magnetic Crimp Cap, silver lacquered, 5mm hole	
Septa	Silicone white/PTFE red	PTFE red/Silicone white/PTFE red
Hardness	45° shore A	45° shore A
Thickness	1,3mm	1,0mm
100 pcs. per PE-Bag		

5.3.9 Trace analysis and TPF closure systems

- Total phthalate free closure system (TPF closure); elastomer and halogen free septa




Art. No.	BVB110979	BVB110980
Cap	Aluminum Crimp Cap, clear lacquered, 5,5mm hole, with roll groove	
Septa	Aluminum Septa (additional sealing by TPF O-ring)	PTFE virginal, 0,25mm (additional sealing by TPF O-ring)
Hardness		53° shore A
Thickness	0,1mm	0,25mm
Packed per 100 pieces in plasticizer-free glass vial		




5.4 Septa 11mm Aluminum Crimp Seals ND11 (Cont.)

- Please note that the diameter of the septa is designed to match our cap design. We cannot guarantee an optimal press-fit of the septa in caps of other manufacturers!
- Further septa made of other materials are available upon request!



Art. No.	SEB110120	SEB110693	SEB110121	SEB110083	SEB110091	SEB110827
Septa	Silicone white/PTFE red	Silicone cream/PTFE red	PTFE red/Silicone white/PTFE red	Silicone white/PTFE blue, slit	Viton, black	Silicone white/Aluminum foil, silver
Hardness	45° shore A	55° shore A	45° shore A	55° shore A	70° shore A	50° shore A
Thickness	1,3mm	1,5mm	1,0mm	1,5mm	1,0mm	1,3mm
1.000 pcs. per PE-Bag						



Art. No.	SEB110099	SEB110080	SEB110788	SEB110081	SEB110381
Septa	PTFE virginal	Natural Rubber red-orange/TEF transparent	RedRubber/PTFE beige	Butyl cream/PTFE grey	PTFE grey/Butyl cream/PTFE grey
Hardness	53° shore A	60° shore A	45° shore A	55° shore A	55° shore A
Thickness	0,20mm	1,0mm	1,0mm	1,3mm	1,3mm
1.000 pcs. per PE-Bag					

5.5 Aluminum Crimp Caps ND11

- Aluminium crimp caps are available in clear lacquer, green lacquer, red lacquer, blue lacquer and gold lacquer as standard
- Other colours can be supplied on request



Art. No.	BKB110123	BKB110126	BKB110127	BKB110125	BKB110128
Cap	11mm Aluminum Crimp Cap, clear lacquered, 5,5mm hole	11mm Aluminum Crimp Cap, green lacquered, 5,5mm hole	11mm Aluminum Crimp Cap, red lacquered, 5,5mm hole	11mm Aluminum Crimp Cap, blue lacquered, 5,5mm hole	11mm Aluminum Crimp Cap, gold lacquered, 5,5mm hole
1.000 pcs. per PE-Bag					

5.6 Special 2in1 Kits Aluminum Crimp Seals ND11

- Each combination of a crimp neck vial ND11 is now available with any 11mm crimp cap listed in the catalogue as a practical 2in1 kit!

100 Vials and 100 Seals per Box



5.7 Crimp Neck Vials ND11 with pre-crimped Aluminum Seals ND11

- Pre-crimped vials reduce the risk of contamination of vials in laboratories. Furthermore special applications could require a pre-crimped vial (e.g. in the tobacco industry).
- Pre-crimped vials are available with any of the crimp/snap neck vials and any seal of your choice.