

## 2. Screw Neck Vials ND8

The vials are preferentially used on instruments of the following manufactures: Beckman, CTC, Gilson, Knauer, Shimadzu, Spark, Varian, VWR (Merck®)/Hitachi, etc.  
(Please have a look at the autosampler compatibility chart on pages 62 - 73 to see on which models they can be used)

Standard vials for GC and HPLC.

- Specially suitable for VWR (Merck®)/Hitachi instruments (Article GW 08 0193, GW 08 0799, ME 05 0289, SV 08 0657, SK 08 0287, SE 08 0018, SE 08 0076)
- Broad range of Micro-Inserts.
- Screw Neck Vials (thread 8/425) with small opening requires Micro-Inserts with a diameter of 5mm.
- Vials and seals also available as 2in1 KIT.



### 2.1 Screw Neck Vials ND8, small opening, 8-425 thread and Micro-Vials ND8



<b>GWB080193</b>	<b>GWB080799</b>	<b>GWB080194</b>	<b>GWB080195</b>	<b>GWB080356</b>	<b>GWB080859</b> <b>GWB080860</b>	<b>GWB081317</b> <b>GWB081318</b>
1.5ml Screw Neck Vial, 8-425 thread, 32 x 11.6mm, clear glass, 1st hydrol. class, small opening	1.5ml Screw Neck Vial, 8-425 thread, 32 x 11.6mm, amber glass, 1st hydrol. class, small opening	1.5ml Screw Neck Vial, 8-425 thread, 32 x 11.6mm, clear glass, 1st hydrol. class, small opening, label + filling lines	1.5ml Screw Neck Vial, 8-425 thread, 32 x 11.6mm, amber glass, 1st hydrol. class, small opening, label + filling lines	1.1ml Micro-Vial, 8-425 thread, 32 x 11.6mm, clear glass, 1st hydrol. class, conical, small opening	1.1ml Microliter Screw Neck Vial, 32 x 11.6mm, clear glass, 1st hydrol. class, with solid glass base, 1. hydrol. class (amber glass)	1.1ml Microliter Screw Neck Vial, 32 x 11.6mm, clear glass, 1st hydrol. class (amber glass)
R. vol. < 110 µl	R. vol. < 110 µl	R. vol. < 110 µl	R. vol. < 110 µl	R. vol. < 3 µl	R. vol. < 15 µl	R. vol. < 15 µl
100 pcs. per PP-Box						

### 2.2 Micro-Inserts for Vials with small opening



<b>MEB050289</b>	<b>MEB050357</b>	<b>MEB050358</b>	<b>MEB050290</b>	<b>MEB050359</b>	<b>MEB050360</b>
0.15ml Micro-Insert, 31 x 5mm, clear glass, 1st hydrol. class, 15mm top	0.2ml Micro-Insert, 31 x 5mm, clear glass, 1st hydrol. class, 9mm top	0.2ml Micro-Insert, 31 x 5mm, clear glass, 1st hydrol. class, flat bottom	0.15ml Micro-Insert, 29 x 5mm, clear glass, 1st hydrol. class, with assembled plastic spring	0.05ml Micro-Insert, 27.5 x 4mm, clear glass, 1st hydrol. class (Metal Spring required)	Spring 36 x 5mm for Micro-Insert ME 05 0359
R. vol. < 1 µl	R. vol. < 2 µl	R. vol. < 8 µl	R. vol. < 1 µl	R. vol. < 1 µl	
10 x 100 pcs. per PP-Box					

## 2.3 PP Screw Seals ND8

- Ready to use combination seals; no time consuming and "tricky" assembly.
- Available with black or white screw caps with 8-425 thread.
- Available as closed top screw seals or with centre hole.
- Now available either with Natural Rubber or RedRubber as cost-effective seals.

### 2.3.1 Natural Rubber/TEF and RedRubber/PTFE Seals

- Natural rubber temperature resistant from -40°C to 120°C
- RedRubber/PTFE from -40°C bis 160°C
- Natural rubber is more difficult to penetrate than RedRubber and has a higher particle formation
- RedRubber and butyl show less fragmentation than natural rubber
- Natural rubber is ideal for multiple injections due to its good resealing properties, but not as clean as RedRubber or Butyl



Art. No.	SVB080657	SVB080766	SVB080763	SVB080916
Cap	Polypropylene Screw Cap black, 5.5mm centre hole, 8-425 thread			
Septa	Natural Rubber red-orange/TEF transparent	RedRubber/PTFE beige	Butyl cream/PTFE grey	Silicone white/Aluminum foil silver
Hardness	60° shore A	45° shore A	55° shore A	50° shore A
Thickness	1,3mm	1,0mm	1,3mm	1,3mm
100 pcs. per PE-Bag				

### 2.3.2 Silicone/PTFE Seals

- Temperature resistant from -60°C to 200°C
- Preferably for single injections only
- Different hardnesses to suit the respective needle types
- Cleaner than natural rubber, RedRubber or butyl
- Silicone septa coated on both sides for low particle formation during penetration



Art. No.	SVB080158	SVB080759	SVB080761	SVB080293	SVB080495	SVB080439
Cap	Polypropylene Screw Cap black, 5.5mm centre hole, 8-425 thread					
Septa	Silicone white/PTFE red	Silicone cream/PTFE red	Silicone blue transp./PTFE white	PTFE red/Silicone white/PTFE red	Silicone white/PTFE red, slit	Silicone white/PTFE blue, slit
Hardness	45° shore A	55° shore A	35° shore A	45° shore A	45° shore A	45° shore A
Thickness	1,3mm	1,5mm	1,3mm	1,0mm	1,3mm	1,5mm
100 pcs. per PE-Bag						

### 2.3.3 Natural Rubber/TEF, RedRubber/PTFE, Butyl/PTFE and Silicone/PTFE Seals, closed top



Art. No.	SVB080760	SVB080767	SVB081001	SVB080762
Cap	Polypropylene Screw Cap black, closed top, 8-425 thread			
Septa	Natural Rubber red-orange/TEF transparent	RedRubber/PTFE beige	Butyl cream/PTFE grey	Silicone white/PTFE red
Hardness	60° shore A	45° shore A	55° shore A	45° shore A
Thickness	1,3mm	1,0mm	1,3mm	1,3mm
100 pcs. per PE-Bag				

## 2.4 Septa ND8



Art. No.	SEB080018	SEB080072	SEB080765	SEB080073	SEB080089	SEB080074
Septa	PTFE, Virginal	Natural Rubber red-orange/TEF transparent	RedRubber/PTFE beige	Butyl cream/PTFE grey	Viton, Black	Silicone white/PTFE red
Hardness	53° shore A	60° shore A	45° shore A	55° shore A	70° shore A	45° shore A
Thicknes	0,25mm	1,0mm	1,0mm	1,3mm	1,0mm	1,3mm
1.000 pcs. per PE-Bag						



Art. No.	SEB080752	SEB080076	SEB080915	SEB080075	SEB080118	SEB081204
Septa	Silicone cream/PTFE red	Silicone white/PTFE blue, slit; recommd.by VWR (Merck®)Hitachi	Silicone white/Aluminum foil silver	Silicone blue transparent/PTFE white	PTFE red/Silicone white/PTFE red	Silicone white/PTFE blue, slit
Hardness	55° shore A	55° shore A	50° shore A	35° shore A	45° shore A	55° shore A
Thicknes	1,5mm	0,9mm	1,3mm	1,3mm	Silicone cream/PTFE red 1,0mm	1,5mm
1.000 pcs. per PE-Bag						

## 2.5 PP Screw Caps ND8



Art. No.	SKB080287	SKB080756	SKB080757	SKB080758
Cap	Polypropylene Screw Cap, black, 5,5mm centre hole	Polypropylene Screw Cap, black, closed top	Polypropylene Screw Cap, white, 5,5mm centre hole	Polypropylene Screw Cap, white, closed top
100 pcs. per PE-Bag				

## 2.6 Special 2in1 Kits for Screw Neck ND8

➤ Each combination of a screw neck vial ND8 is now available with any 8mm screw seal listed in the catalogue as a practical 2in1 kit!

**100 Vials and 100 Seals per Box**



## 2.7 Screw Vials ND8, with pre-assembled Screw Cap ND8

➤ Pre-screwed vials reduce the risk of contamination of the vials in the laboratory. Furthermore, special applications (e.g. in the tobacco industry) may require a pre-sealed vial.

