

## N11

**Crimp neck vials**

small opening	wide opening	wide opening						PP/glass
70201CG 70214CG	70201HP	702885 / 702075 <sup>1</sup> 702892 / 702076 <sup>1</sup>	702888	702141	702015 702016	702891 702014	702134	
1.5 mL	1.5 mL	1.5 mL	1.1 mL	1.1 mL	1.1 mL	0.2 mL	0.15 mL	
		label + scale	15 µL funnel in solid glass bottom	conical	conical with a round pedestal glass plate	with integrated 0.2 mL insert	transparent, with integrated 0.15 mL glass insert, conical	

**Ready assembled crimp closures and plain crimp caps**

N 11 aluminium crimp cap, color as indicated, center hole

70284	70231	702001	70256	70231.1	70231.2	70231.3	70231.4
PTFE virginal, white	Natural rubber / Butyl red-orange / TEF colorless; 1.3 mm	Natural rubber red-orange / TEF colorless		magnetic			PE cap
702730	70288	702823	702995	702879	702801	702401	
Red Rubber / FEP colorless	Silicone white / PTFE red	Silicone white / PTFE blue, cross-slit	PTFE red / Silicone white / PTFE red	Silicone white / PTFE red	no liner	transparent, closed top, thin piercing area	

## N11

**Snap ring vials (wide opening)**

			PP/glass	Polypropylene
702714	702713 702712	702709	702134	702809
1.5 mL	1.5 mL	0.2 mL	0.15 mL	0.3 mL
	label + scale	with integrated 0.2 mL insert	transparent, with integrated 0.15 mL glass insert, conical	with inner cone

**Ready assembled snap ring caps**

N 11 PE snap ring cap, color as indicated, center hole

702063	702710.1	702717.2	702718.1
Red Rubber / TEF colorless	Silicone white / PTFE red	Silicone white / PTFE blue, cross-slit	PTFE red / Silicone white / PTFE red
702731	702710	702064	702718
Red Rubber / TEF colorless	Silicone white / PTFE red	Silicone white / PTFE blue, cross-slit	PTFE red / Silicone white / PTFE red

## N9

**Screw neck vials (wide opening)**

					PP/glass	Polypropylene
702282	702283 / 702078 <sup>1</sup> 702293	702006	702088	702007 702008	702135	702009
1.5 mL	1.5 mL	1.1 mL	1.1 mL	0.2 mL	0.15 mL	0.3 mL
	label + scale	15 µL funnel in solid glass bottom	conical with a round pedestal glass plate	with integrated 0.2 mL insert	transparent, with integrated 0.15 mL glass insert, conical	with inner cone

**Ready assembled screw closures**

N 9 PP screw cap, color as indicated, center hole or closed top

702029	702031	702032	702043	702030	702732	702080	702081	702082	702033	702041
PTFE virginal, white	Septa		Septa	Red Rubber / FEP colorless						Septa
702286	702035	702084	702085	702287.1	702287.1	702036	702037	702038	702107	702042
PTFE red / Silicone white / PTFE red				Silicone white / PTFE red						
<b>Bonded closures (inseparable septa)</b>										
702288	702288.1	702039	702040	702083	702109	702028	702026	702027		
Silicone white / PTFE blue, slit						Red Rubber / TEF colorless	Silicone beige / PTFE white	Silicone beige / PTFE white, slit		

## Inserts

**Inserts for vials N 8, N 11**  
for small opening vials

702968	702968.1	702824	702005
0.1 mL	0.15 mL	0.1 mL	0.25 mL
conical, 15 mm tip	conical, 9 mm tip	with plastic spring	flat bottom

**Inserts for vials N 9, N 10, N 11**  
for wide opening vials

702813 / 702077 <sup>1</sup>	702716	702818	702825
0.2 mL	0.25 mL	0.1 mL	0.3 mL
conical, 15 mm tip, <sup>1</sup> silanized	conical, 12 mm tip	with plastic spring	flat bottom

## N8/N12

**Shell vials N 8/N 12**

70202.1 / 702017	702017	702018
1 mL	1 mL	2 mL
Use with N 8 PE plug		Use with N 12 PE plug
702807		702054

Local distributor

**AZ Chrom s.r.o.**  
Robotnícka 10  
831 03 Bratislava  
Tel. 0907 244526  
Fax. 02 20715811  
azetchrom@hplc.sk  
www.azetchrom.sk

Visit our VialFinder at  
[www.mn-net.com/VialFinder](http://www.mn-net.com/VialFinder)

## N10

**Screw neck vials (wide opening)**

702011	702012 702013
1.5 mL	1.5 mL

**Screw closures / plain screw caps**

N 10 PP screw cap, black, center hole

702048	702049
PTFE red / Silicone white / PTFE red	no liner

**Bonded screw closures (inseparable septa)**

N 10 bonded screw cap, black, center hole

702044	702045	702046	702047
Red Rubber / TEF colorless	Silicone white / PTFE beige	Silicone white / PTFE red	Silicone white / PTFE blue, slit

## N8

**Crimp neck vials**

70286	70282	70251	70212 70212.1	702002 702003	702880
0.2 mL	0.3 mL	0.8 mL	0.6 mL	0.7 mL	1.2 mL

**Ready assembled crimp closures / plain crimp caps**

N 8 aluminium crimp cap, silver, center hole

70283	70252.1	702025	70289	702878	702800
PTFE virginal, white	Natural rubber / Butyl red-orange / TEF colorless	Red Rubber / FEP colorless	Silicone white / PTFE red	PTFE red / Silicone white / PTFE red	no liner

## N8

**Screw neck vials (small opening)**

70213 70213.2	702004 702893	702860
1.5 mL	1.5 mL	1.1 mL

**Assembled screw closures / plain screw caps**

N8 PP screw cap, black, center hole or closed top

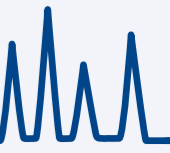
702067	70245	702437	702069
Red Rubber / FEP colorless	Silicone white / PTFE red	Silicone white / PTFE blue, slit	PTFE red / Silicone white / PTFE red
702068	702066	70249	70250
Red Rubber / FEP colorless	Silicone white / PTFE red	no liner	no liner

Image scale vials and caps 1:1

www.mn-net.com

MACHERY-NAGEL





## N 20

### Crimp neck vials 5–10 mL

70204.36 70215.36	702917	702020	70205.36 70216.36	702918	702924
5 mL	6 mL	5 mL	10 mL	10 mL	10 mL
flat bottom flat DIN crimp neck	rounded bottom beveled HS crimp neck	flat bottom beveled HS crimp neck	flat bottom flat DIN crimp neck	flat bottom flat DIN crimp neck	rounded bottom beveled HS crimp neck

### Crimp neck vials 20 mL

70206.36 70217.36	70254 702541	702540	702261	702263	702086
20 mL	20 mL	20 mL	20 mL	20 mL	20 mL
flat bottom flat DIN crimp neck	rounded bottom beveled HS crimp neck	rounded bottom beveled HS crimp neck	flat bottom flat DIN crimp neck	rounded bottom flat DIN crimp neck	rounded bottom beveled HS crimp neck

### Crimp neck vials 25–100 mL

70210.36	70208.36 702100	70209.1
25 mL	50 mL	100 mL
flat bottom flat DIN crimp neck	flat bottom flat DIN crimp neck	flat bottom flat DIN crimp neck

## N 18

### Ready assembled magnetic screw closures

N 18 magnetic screw cap, silver, center hole

702827	702055	702072
Silicone blue transparent/ PTFE white	Silicone white/ PTFE blue	Red Rubber/ TEF colorless

Single septa

702981	702110

### Screw neck Headspace vials

702866	702826
10 mL	20 mL
rounded bottom	rounded bottom

## N 24

### Screw neck vials

702021 702022	702132 702133	702023 702024	702074 702131
20 mL	30 mL	40 mL	60 mL

### Ready assembled screw closures

N 24 PP screw cap, white, center hole or closed top

702130	702102	702060	702061
Butyl red / PTFE gray			no liner

Bonded closures (inseparable septa)

702058 (center hole)	702059 (closed top)	702073 (center hole)
Silicone white / PTFE beige	Red Rubber / TEF colorless	

Single septa

702791	702062
Butyl red / PTFE gray	Silicone natural / PTFE beige

### Ready assembled crimp closures, plain crimp caps and single septa

Single septa						
Butyl red / PTFE gray	Butyl light gray / PTFE dark gray	Molded septa Butyl / PTFE gray	Butyl dark gray / PTFE gray <sup>1</sup>	Silicone blue transparent / PTFE colorless	Silicone white / PTFE beige	Butyl stopper, gray, unassembled <sup>2</sup>
70277	702057	702101	702D20TB	702780	70278	702931
Assembled in N 20 aluminium crimp caps, center hole					702804	702112
702773	702775	70234.9	70234 / 702056 <sup>3</sup>	702093	702094	70237
Assembled in N 20 aluminium pressure release caps, center hole (REF 702799 without liner)						
702836	702829	70234.8	702071	702927	702835	
Assembled in N 20 aluminium center tear off caps (REF 70236.1 without liner)						
						70233 <sup>3</sup>
Assembled in N 20 aluminium complete tear off caps (REF 702805 without liner)						
						70235
Assembled in N 20 bi-metal crimp caps, center hole (REF 702833 without liner)						
				702838	702834	702837
Assembled in N 20 magnetic crimp caps, center hole (REF 702808 without liner)						
702774	702928	702928.9	702929			

### Local distributor

**AZ Chrom s.r.o.**  
 Robotnícka 10  
 831 03 Bratislava  
 Tel. 0907 244526  
 Fax. 02 20715811  
 azetchrom@hplc.sk  
 www.azetchrom.sk

## Crimping Tools

### Manual crimping tools

Standard manual crimping tools for crimp caps N 8, N 11, N 13 and N 20  
 Advanced ergonomic manual crimping tools for crimp caps N 11 and N 20

### Electronic crimping tools

Electronic crimping tools for crimp caps N 11 and N 20 (battery-powered)  
 Electronic high power crimping tool for crimp caps N 11 and N 20



## N 13 (image scale 1:1)

### Screw neck vials and insert

702962 702973	702089	702972	702974
4 mL	4 mL	0.3 mL	

### Assembled screw closures/plain screw caps

N 13 PP screw cap, black, center hole			
702050	702926	702963	
Red Rubber / FEP colorless	Silicone white / PTFE red	no liner	
N 13 PP screw cap, black / green, closed top			
702051	702052	702966	702103
Red Rubber / FEP colorless	Silicone white / PTFE red	no liner	F217 white / PTFE beige (firmly fixed) 1.5 mm

## DIV

### Snap cap vials (for storage of powdery samples)

N 18		N 22	
70271	70272	702019	70273
5 mL	10 mL	15 mL	25 mL

### PE Snap caps (transparent)

N 18		N 22	
70274	70275	70274	70275
To be used with 70271 and 70272	To be used with 70219 and 70273	To be used with 70271 and 70272	To be used with 70219 and 70273

## DIV

### Screw neck vials (for storage of liquid samples)

N 15 (15-425 thread)		N 18 (18-400 thread)		N 20 (20-400 thread)	
702096 702311	70285 702097	702098	702099	702096	702099
8 mL	12 mL	16 mL	24 mL	8 mL	24 mL

### Closed top screw closures

(septum F217 white / PTFE beige, firmly fixed)			
N 15 (15-425 thread)		N 18 (18-400 thread)	N 20 (20-400 thread)
702104	702105	702106	702106

Image scale vials and caps 1:2; <sup>1</sup> only centrally laminated with PTFE, typically called Pharma-Fix; <sup>2</sup> separate parts; <sup>3</sup> gold.

