

# MACHEREY-NAGEL

## New Products 2015 / 2016



## Vials and caps

New products and product modifications to the brochure



Chromatography

## Vial container for screw neck vials N 24



- Vial containers allow a secure transportation of vials, especially of those which are – due to their ratio of height to diameter (large height in relation to a relatively small diameter) – extremely endangered to break.
- They offer a safe standing position in dividers designed for the respective diameter of the vial.
- Vial containers are ideal for space-saving storage in fridges, since the transparent lid prevents condensations on the closures and thus avoids a possible contamination in the cooling unit.
- All Vial containers are stackable and temperature resistant from - 80°C up to 100°C.
- Product range:
  - for all 1.5 mL vials (MN REF 702514)
  - for crimp neck and screw neck vials N 13 (MN REF 702515),
  - for Headspace vials with either screw neck N 18 or crimp neck N 20 (MN REF 702516),
  - for 20 mL, 30 mL and 40 mL screw neck vials N 24 (EPA) (MN REF 702517)

### Vial container for screw neck vials N 24

REF 702517

16 position container blue with removeable divider for screw neck vials N 24 (20 mL, 30 mL, 40 mL)  
outer length: 130 mm, outer width: 130 mm, outer height: 102 mm with transparent lid (suitable for freezers)  
pack of 1

## Supplement to chapter “Vials for storage of liquid samples”

### Ready assembled screw closures N 15 and N 20



REF 702180

N 15 PP screw cap (bonded, 15-425), black, center hole  
Silicone white/PTFE beige  
Hardness: 45° shore A  
Thickness: 1.5 mm  
pack of 100



REF 702181

N 20 screw cap (bonded, 20-400), white, center hole  
Silicone white/PTFE beige  
Hardness: 45° shore A  
Thickness: 1.5 mm  
pack of 100.



## Extended product offering of polypropylene vials



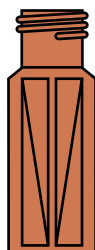
- Applications:  
Atomic adsorption (AA), water-/protein analysis, heavy metal analysis, ion chromatography (IC), capillary electrophoresis (CE), for pH sensitive and aqueous samples in HPLC
- Amongst others usage on the following instruments:  
**Waters®** (pls. see 186002626/100; 186002628/100; 186005219/100; 186005224/100),  
**Agilent®** (pls. see 5190-2242/100; 5190-2243/1000; 5188-2788/100; 5190-3155/1000; 5182-0567/100),  
**Metrohm®** (pls. see 6.2743.117/100; 6.2743.110/1000; 6.2743.107/100; 6.2743.100/1000),  
**Dionex®** (pls. see 055428; 061696 alt.)
- Offering:  
0.3 mL micro-vial with inner cone and 0.7 mL micro-vial with round bottom insert; both types either with screw neck N 9 or snap ring N 11
- Material:  
Ultra pure polypropylene with excellent transparency
- Available with 100 pieces in a PE bag or in combination with a closure of your choice as a Vial Kit

### Plastic screw neck vials N 9



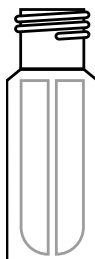
#### REF 702009

0.3 mL Polypropylene Screw Neck Vial N 9  
outer diameter: 11.6 mm,  
outer height: 32 mm  
transparent, with inner cone  
pack of 100



#### REF 702172

0.3 mL Polypropylene Screw Neck Vial N 9  
outer diameter: 11.6 mm,  
outer height: 32 mm  
amber, with inner cone  
pack of 100



#### REF 702010

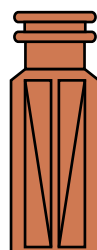
0.7 mL Polypropylene Screw Neck Vial N 9  
outer diameter: 11.6 mm,  
outer height: 32 mm  
transparent, with round bottom insert  
pack of 100

### Plastic snap ring vials N 11



#### REF 702809

0.3 mL Polypropylene Snap Ring Vial N 11  
outer diameter: 11.6 mm,  
outer height: 32 mm  
transparent, with inner cone  
pack of 100



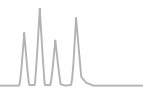
#### REF 702173

0.3 mL Polypropylene Snap Ring Vial N 11  
outer diameter: 11.6 mm,  
outer height: 32 mm  
amber, with inner cone  
pack of 100



#### REF 702174

0.7 mL Polypropylene Snap Ring Vial N 11  
outer diameter: 11.6 mm,  
outer height: 32 mm  
transparent, with round bottom insert  
pack of 100



## Total phthalate-free closure system

- Elastomer and halogen-free septa material
- Ready assembled
- Good sealing and crimping due to the inserted O-ring
- Suitable for trace analysis (GC/MS, LC/MS), as no ghost peaks can be caused by any plasticizers
- Only for single injection
- Packed in phthalate-free glass containers
- Applications:
  - Phthalate analysis
  - Elastomer and plastomer analysis
  - Analysis of fluorinated/halogenated organic compounds
  - VOC (volatile organic compounds)
  - Analysis of polymerisation catalysts
  - Silicone and silicate analysis



### Crimp closures N 11



#### REF 702175

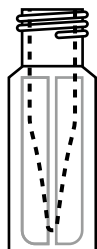
N 11 Aluminium crimp cap, silver, roll groove, center hole with O-ring and Aluminium septa TPF (Total Phthalate Free)  
Thickness: 0.1 mm  
pack of 100

## Plastic vials with integrated glass insert

- More robust and cost-effective alternative to glass-in-glass systems
- Either with screw neck N 9 or snap ring N 11, in transparent or in amber
- 0.2 mL Mirco-insert, conical, firmly integrated in a high transparent polypropylene vial
- On special request also available with silanized inserts
- Packed with 100 pieces in a PP box or in combination with a closure of your choice as a Vial Kit

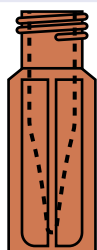


### Plastic screw neck vials N 9 with integrated glass insert



#### REF 702135

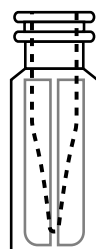
PP Screw Neck Vial N 9  
outer diameter: 11.6 mm,  
outer height: 32 mm  
transparent, with integrated  
glass insert 0.2 mL, conical  
pack of 100



#### REF 702335

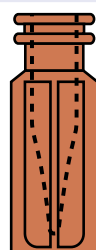
PP Screw Neck Vial N 9  
outer diameter: 11.6 mm,  
outer height: 32 mm  
amber, with integrated glass  
insert 0.2 mL, conical  
pack of 100

### Plastic snap ring vials N 11 with integrated glass insert



#### REF 702134

PP Snap Ring Vial N 11  
outer diameter: 11.6 mm,  
outer height: 32 mm  
transparent, with integrated  
glass insert 0.2 mL, conical  
pack of 100



#### REF 702334

PP Snap Ring Vial N 11  
outer diameter: 11.6 mm,  
outer height: 32 mm  
amber, with integrated glass  
insert 0.2 mL, conical  
pack of 100

# New Products 2015/2016

## Crimp neck vials and closures N 20



Up to now with a beveled HS crimp neck



In future with a flat DIN crimp neck

### Product modification:

REF 702924:

In future the crimp neck will change from a beveled HS crimp neck to a flat DIN crimp neck, in order to improve the tightness of the vial.

## Dual size decapper N 11 and N 20

- Simple and inexpensive decapper for two different cap sizes (N 11 and N 20) in plier style
- Suitable for aluminium and bi-metal crimp caps, not for magnetic ones
- The use requires an unerring touchdown of the decapper
- Low weight
- Antislip handles



Decapping of crimp neck vials N 20

Other side of the tool for decapping crimp neck vials N 11

### Decapper for N 11 and N 20



REF 735911.20

Manual hand decapper (Plier style, dual) for 11 mm and 20 mm aluminium crimp caps

