



Pumps Sampling Labware

for Laboratory, Industry,
Science

2022



5378-1011

Предметный Spoon SteriPlast™, PS, Steril, 2.5 ml
Cucchiarino SteriPlast™, PS, sterile, 2.5 ml
Cuchara de muestra SteriPlast™, PS
Ложка пробная «СтерилПласт»

STERILE P

LOT 1g1028

Предметный Spoon SteriPlast™, PS, Steril, 10 ml
Cucchiarino SteriPlast™, PS, sterile, 10 ml
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Ложка пробная «СтерилПласт»

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LOT



StrerilBag StandUp



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Catalog 2022

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Pumps
Pumps and stopcocks

Safety is the top priority

Dangerous liquids must never be filled off by directly pouring them out. Even the use of a funnel does not provide the required degree of safety when bottling dangerous liquids.

- ▶ Increased accident risk by slipping on dirty floors.
- ▶ Skin diseases or poisoning by spilt chemicals.
- ▶ Health hazard from harmful vapors.



Safety during bottling must be the number one priority – for your own personal protection! This means that purchasing a suitable pump for filling off hazardous liquids is an investment in the safety and health of your employees which pays for itself in a very short time.

Choosing the right pump

Apart from the size and type of the container, the required pump capacity and the suitability of the pump for the particular medium are important considerations for choosing the right pump. The pump does not only have to be resistant to the medium to be bottled, but specific occupational safety and environmental protection regulations must also be considered.

Pump capacity

Electric pumps are the first choice for filling off large quantities at a fixed location. Their higher pumping capacity saves times and requires less manual effort. However, the purchase of an expensive electric barrel pump does not always pay for itself; there is often no on-site mains supply, e.g. in the open air, during assembly or in the equipment storage facility. Manual pumps are an interesting alternative to electric pumps for filling off small quantities due to their independence from a power supply and because they mean value for money. Bürkle offers a wide range of pumping devices for manually removing liquids from containers, canisters, drums and tanks.

Container size and container type

Pumps that work according to the excess pressure principle are suitable for filling off the required quantities from canisters and closed drums. Air is pumped into the container using a pumping ball or pumping piston. This creates excess pressure in the container and the liquid is transported out via the immersion tube. Barrel pumps are suitable for larger barrels and open containers. They draw in the liquid and then eject it. This family of pumps is characterized by their robust construction with a good pumping capacity and simple handling.

Different immersion tube lengths mean that the pumps fit all the usual commercially available containers. Low-mounted suction valves ensure that almost all the residual liquid is removed.



Container connections

In contrast to metal drums, which usually have an R 2" fine thread, there are no standard connection threads for plastic drums. There are basically two different ways of attaching the pump to the drum or container. On the one hand, the pump can be screwed onto the existing container thread using a barrel screw joint, possibly in combination with an adapter. On the other hand, universal solutions such as conical drum stoppers can be used.

Materials

The most suitable pumps are robust industrial pumps made from top-quality materials such as polypropylene (PP) for acids and alkalis, or stainless steel AISI 304 (1.4301) for flammable liquids. We always recommend the use of PTFE seals. Always check that the material is resistant to the medium to be pumped. In many cases, a check against the chemical resistance list will help.



Any questions?

We will be happy to advise you.

Talk to us – telephone +1-631-750-3772, or send an email to info@burkle-inc.com



**Further information on the topic
"Fill off liquids – but do it safely":**
[www.buerkle.de/en/knowhow/
fill-off-liquids-but-do-it-safely](http://www.buerkle.de/en/knowhow/fill-off-liquids-but-do-it-safely)

OTAL® liquid transfer pumps | filling off liquids quickly, safely and cleanly

The OTAL® pump program has been on the market for 70 years. The pumps are popular and appreciated thanks to their easy handling in daily use.

Thanks to the simple stopper system, OTAL® pumps can be used for all common containers. The OTAL® Mini allows even very small containers to be filled. Only the tube comes into contact with the liquid when OTAL® pumps are used, so that a great deal of liquid can be filled off using the tube materials PP, PVDF and stainless steel AISI 304 (1.4301). The different tube diameters make individual adjustments to required transfer volumes possible.

The OTAL® foot pump has another great advantage, particularly when filling aggressive media. It is designed so that both hands are free during the pumping process.

- ▶ Optionally available as a foot or hand pump
- ▶ Universal bungs for container openings of 30–70 mm (1.18–2.76 in.) diameter
- ▶ Tubes made of PE, PP und PVDF or stainless steel AISI 304 (1.4301) for different liquids



The bung has to fit!

Filling with the proven OTAL® pumps is particularly easy as the liquid is forced out of the container by the excess air pressure. The liquid flow is steady, without pulsating. However, it is important that the connection between the pump and the container is airtight. This is ensured by the universal bung made of soft PVC.

The universal bung consists of 3 parts, a conical center (1) and 2 conical sleeves (2 and 3) which can be moved up and down the conical center. This means that it is possible to obtain an airtight seal between OTAL® pumps and container openings with a diameter of 30 to 70 mm (1.18 to 2.76 in.).



Instructions for use and safety information must be complied with. Protective clothing must be worn.

OTAL® disposable pumps






OTAL pump with disposable delivery tube made of PE, for single use. In OTAL pumps the medium being transferred comes in contact only with the delivery tube. The disposable delivery tube can be replaced quickly and easily after use. There is a danger with reusable pumps that the liquid being transferred will be contaminated by the pump, especially if the pump is used for different media or containers and it is not properly cleaned before the change. A space-saving container pump is specially designed for single use, thereby completely eliminating time-consuming and cost-intensive cleaning as well as contamination. The delivery tube of the liquid transfer pump is made of a single piece and can easily be shortened to the respective container height using the cutter included with delivery. This offers maximum flexibility and guarantees good emptying of small remaining amounts from the container. The discharge of the delivery tube can also be shortened if necessary. The disposable pump is ideal when special purity is important or if cleaning is difficult or not possible at all.

Use

1. Push the delivery tube into the universal plug and attach the pump ball.
2. Shorten the delivery tube, cutting it off at a slight angle.
3. Build up pressure with the pump ball and transfer the liquid.
4. To replace the delivery tube, cut off the tube directly below the plug.
5. Dispose of the lower end of the tube directly. Pull the upper end out of the universal plug.
6. Insert a new tube.



- ▶ Disposable delivery tube made of PE, can be reordered in pack of 10
- ▶ Disposable delivery tubes, can be cut to length individually
- ▶ With universal plug made of soft PVC, for container openings of Ø 30-70 mm (1.18-2.76 in.)
- ▶ Scope of delivery: Pump ball, universal plug, cutter and 10 disposable delivery tubes

① OTAL® disposable hand pump 			
Pump capacity approx. l / min (gpm)	Tube Ø mm (in.)	Immersion depth cm (in.)	Item no.
14 (3.70)	12 (0.47)	90 (35.43)	5005-8012 N4
② OTAL® disposable foot pump 			
Pump capacity approx. l / min (gpm)	Tube Ø mm (in.)	Immersion depth cm (in.)	Item no.
14 (3.70)	12 (0.47)	90 (35.43)	5000-8012 N4
 Accessories			
Description			Item no.
Delivery tubes PE for OTAL® disposable pumps, 10 pieces			5000-8000 N4

OTAL® hand pumps | to fit most commercial storage drums

The telescopic immersion tube adapts itself to the container height on insertion. This ensures good removal of residual liquid and means that the hand pump can be used with different containers.

- ▶ Particularly compact, space-saving hand pump
- ▶ Good pump capacity
- ▶ With universal bungs made of soft PVC, for container openings of 30–70 mm (1.18–2.76 in.) Ø

⚠ Attention! Make sure to pay attention to the "List of Chemical Resistance"!



OTAL® hand pumps | to fit most commercial storage drums



① OTAL® hand pump made of PP

OTAL® hand pumps with PP delivery tubes, resistant to weak acids, alkalis and detergents.

② OTAL® hand pump made of PVDF

OTAL® hand pump with PVDF delivery tubes, particularly suitable for acids and alkalis, not for heavily oxidizing acids and alkalis. With its special material properties, PVDF has an even better chemical resistance than PP. Resistant to chlorine bleach.

③ OTAL® hand pump made of stainless steel

OTAL® hand pump with delivery tubes made of stainless steel AISI 304 (1.4301) for liquids that are not easily combustible in Hazard Category AIII (VbF). The OTAL® PP or PVDF hand pump should be used for caustic media.

④ OTAL® hand pump with hose and stopcock

OTAL® hand pump with hose and tap with discharge hose with a length of 1.5 m (4.92 ft.) made of PVC and PP/PE stopcock, delivery tube made of PP. The discharge hose is particularly suited to fill distant containers.

⑤ OTAL® mini pump made of PP

OTAL® PP mini pump with delivery tubes made of PP and universal bungs made of soft PVC.

- ▶ For small containers, ideal for containers up to 10 liters (2.64 gallons)
- ▶ With universal bungs for container openings of 20–36 mm (0.79–1.42 in.) Ø

⑥ OTAL® battery-pump

OTAL® pump for safe filling of car batteries with acid or distilled water.

- ▶ With hose shutoff valve
- ▶ With dosing tip for precise filling

OTAL® hand pump					
	Pump capacity approx. l/min (gpm)	Tube Ø mm (in.)	Delivery tube material	Immersion depth cm (in.)	Item no.
①	14 (3.70)	12 (0.47)	PP	70 (27.56)	5005-1200 N4
①	20 (5.28)	15 (0.59)	PP	70 (27.56)	5005-1500 N4
①	26 (6.87)	18 (0.71)	PP	70 (27.56)	5005-1800 N4
②	20 (5.28)	16 (0.63)	PVDF	70 (27.56)	5005-3000 N4


OTAL® hand pump					
	Pump capacity approx. l/min (gpm)	Tube Ø mm (in.)	Delivery tube material	Immersion depth cm (in.)	Item no.
③	26 (6.87)	18 (0.71)	AISI 304	90 (35.43)	5005-4000 N4
④	12 (3.17)	12 (0.47)	PP/PVC	70 (27.56)	5005-6000 N4
⑤	4 (1.06)	10 (0.39)	PP	45 (17.72)	5005-1000 N4
⑥	5 (1.32)	12 (0.47)	PP/PVC	70 (27.56)	5005-7000 N4

OTAL® foot pumps | high performance, sturdy, for industrial use



The telescopic immersion tube adapts itself to the container height on insertion of the foot pump. This ensures good removal of residual liquid and means that the foot pump can be used with different containers.

- ▶ Simple handling: Both hands remain free for filling
- ▶ Very good pump capacity due to large volume foot bellows
- ▶ With universal bungs made of soft PVC, for container openings of 30–70 mm (1.18–2.76 in.) Ø

 Attention! Make sure to pay attention to the "List of Chemical Resistance"!

OTAL® foot pumps | high performance, sturdy, for industrial use



① OTAL® foot pump made of PP

OTAL® foot pumps with delivery tubes made of PP, resistant to weak acids, alkalis and detergents.

② OTAL® foot pump made of PVDF

OTAL® foot pump with delivery tubes made of PVDF, particularly for acids and alkalis, not for heavily oxidizing acids and alkalis. Resistant to chlorine bleach. With its special material properties, PVDF has an even better chemical resistance than PP.

③ OTAL® foot pump made of stainless steel

OTAL® foot pump made of stainless steel AISI 304 (1.4301), with delivery tubes made of stainless steel for liquids that are not easily combustible in Hazard Category AIII (VbF).

④ OTAL® foot pump with hose and stopcock

OTAL® foot pump with hose and tap with delivery tubes made of PP and a 1.5 m (4.92 ft.) discharge hose made of PVC with stopcock made of PP/PE Ø 10 mm (0.39 in.).



⑤ OTAL® battery-pump

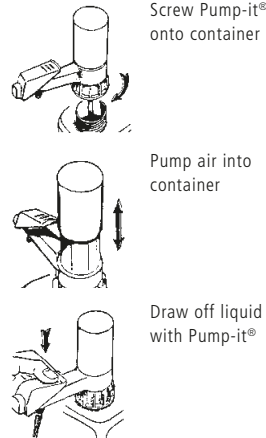
OTAL® pump for safe filling of car batteries with acid or distilled water.

① OTAL® foot pump made of PP

Pump capacity approx. l/min (gpm)	Tube Ø mm (in.)	Delivery tube material	Immersion depth cm (in.)	Item no.			
20 (5.28)	15 (0.59)	PP	70 (27.56)	5000-1500	N4		
26 (6.87)	18 (0.71)	PP	70 (27.56)	5000-1800	N4		
30 (7.93)	22 (0.87)	PP	90 (35.43)	5000-2200	N4		

Pump capacity approx. l/min (gpm)	Tube Ø mm (in.)	Delivery tube material	Immersion depth cm (in.)	Item no.
② 20 (5.28)	16 (0.63)	PVDF	70 (27.56)	5000-4016 N4
③ 26 (6.87)	18 (0.71)	AISI 304	90 (35.43)	5000-5018 N4
④ 12 (3.17)	12 (0.47)	PP/PVC	70 (27.56)	5000-3012 N4
⑤ 5 (1.32)	12 (0.47)	PP/PVC	70 (27.56)	5000-6000 N4

Pump-it® container pump



Pump-it® canister pumps are designed for quickly and cleanly emptying canisters and small barrels up to 60 l (15.85 gal.). The hand pump is used to create excess pressure that forces the liquid out of the canister. Pump-it® is suitable for weak acids, alkalis and petrochemicals.

- ▶ Medium-contacting parts made of PP, PE and FKM
- ▶ Pump threads suitable for container threads 64 mm (2.52 in.) Ø (BSI)
- ▶ Exact dosing, no drips
- ▶ Container completely emptied, thanks to stepless length adjustment of immersion tube

⚠ Not suitable for hydrochloric acid! Make sure to pay attention to the "List of Chemical Resistance"!

Pump-it® container pump

Immersion depth cm (in.)	Pump capacity approx. l/min (gpm)	Item no.
100 (39.37)	8 (2.11)	5201-1000 N4

Accessories

Description	Item no.
Adapter set Pump-it® consisting of: 0600-3002, -3003, -3004, -1014, -1016	5201-0030 N4
Thread adapters PP outer/outer 2" coarse thread Mauer - 64 mm (2.52) (BSI)	0600-3004 N4
Thread adapters PP outer/outer 2" coarse thread Tri-Sure - 64 mm (2.52 in.) (BSI)	0600-3002 N4
Thread adapters PP outer/outer 2" BSP - 64 mm (2.52 in.) (BSI)	0600-3003 N4
Thread adapters PP outer/inner 64 mm (2.52 in.) (BSI) - DIN 60	0600-1014 N4
Thread adapters PP outer/inner 64 mm (2.52 in.) (BSI) - DIN 51	0600-1016 N4
Thread adapters PP outer/inner 64 mm (2.52 in.) (BSI) - DIN 61	0600-1013 N4
Thread adapters PP outer/inner 64 mm (2.52 in.) (BSI) - DIN 71	0600-1001 N4

For more adapters, see page 26

Adapter set Pump-it®



Thread adapter set for Pump-it® canister pump consisting of:

- ▶ Adapter outer/outer, 2" coarse Mauer - 64 mm (2.52 in.) (BSI), green
- ▶ Adapter outer/outer, 2" coarse Tri-Sure - 64 mm (2.52 in.) (BSI), brown
- ▶ Adapter outer/outer, 2" BSP - 64 mm (2.52 in.) (BSI), blue
- ▶ Adapter outer/inner, 64 mm (2.52 in.) (BSI) - DIN 60, black
- ▶ Adapter outer/inner, 64 mm (2.52 in.) (BSI) - DIN 51, black

Adapter set Pump-it®

Item no.
5201-0030 N4

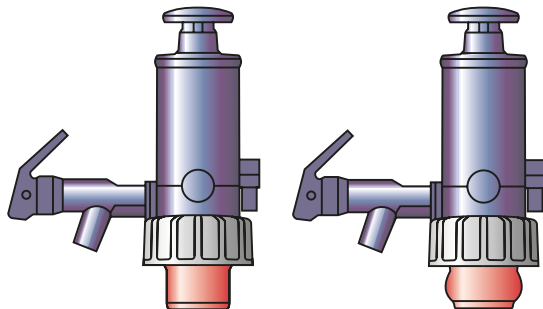
For more adapters, see page 26

PumpMaster container pumps | flexible, for universal use

The manual pressure pump is ideally suited for drawing off, decanting and emptying canisters and barrels. The hand pump is used to create excess pressure that forces the liquid out of the container. The stopcock also allows extraction of small quantities of liquid. The PumpMaster container pump is mounted on the container using a flexible stopper with a variable and adjustable diameter. No special thread adapters are required. PumpMaster fits all commercial container openings with a diameter from 46.5 mm to 60 mm (1.83 to 2.36 in.). The immersion tube has a length of 95 cm (37.40 in.) and it can be shortened depending on the size of the container.

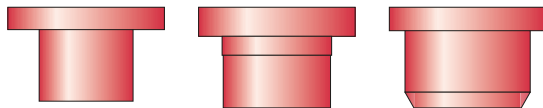
► Complete with three bungs in different sizes

⚠ Not suitable for hydrochloric acid! Make sure to pay attention to the "List of Chemical Resistance"!



PumpMaster canister barrel pump stopper released

PumpMaster canister barrel pump stopper expanded



Various stoppers for PumpMaster



PumpMaster container pump for petrochemical liquids



Gaskets	Material	Color	Pump capacity approx. l/min (gpm)	Immersion depth cm (in.)	Item no.
NBR	PP	blue gray	8 (2.11)	95 (37.40)	5202-3000 N4

Accessories

Description	Item no.
Discharge hose with shut-off valve for PumpMaster for petrochemical liquids	5202-3001 N4

PumpMaster container pump for non-aggressive liquids



Gaskets	Material	Color	Pump capacity approx. l/min (gpm)	Immersion depth cm (in.)	Item no.
EPDM	PP	red	8 (2.11)	95 (37.40)	5202-2000 N4

Accessories

Description	Item no.
Discharge hose with shut-off valve for PumpMaster for aqueous liquids	5202-2001 N4

PumpMaster for acids and chemical liquids

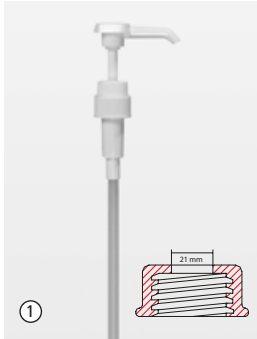


Gaskets	Material	Color	Pump capacity approx. l/min (gpm)	Immersion depth cm (in.)	Item no.
FKM	PP	green	8 (2.11)	95 (37.40)	5202-1000 N4

Accessories

Description	Item no.
Discharge hose with shut-off valve for PumpMaster for acids and chemical liquids	5202-1001 N4

Dosing pumps Dosi-Pump



Dosi-Pump 4 ml (0.14 oz.)

Standard dosage approx.
4 ml (0.14 oz.) per
stroke.

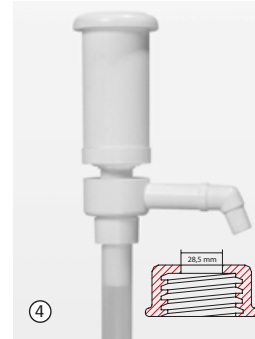


Dosi-Pump 30 ml (1.01 oz.)

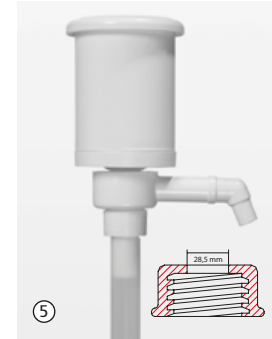
Standard dosage approx.
30 ml (1.01 oz.) per
stroke.



**Dosi-Pump 30 ml (1.01
oz.), fixed feeding tube**
Standard dosage approx.
30 ml (1.01 oz.) per
stroke, the pump has a
fixed feeding tube.



**Dosi-Pump 100 ml (3.38
oz.), fixed feeding tube**
Standard dosage approx.
100 ml (3.38 oz.) per
stroke, the pump has a
fixed feeding tube.



**Dosi-Pump 250 ml (8.45
oz.), fixed feeding tube**
Standard dosage approx.
250 ml (8.45 oz.) per
stroke, the pump has a
fixed feeding tube.

Dosing pumps suitable for barrels, canisters, carboys or bottles, for dosing liquids of different viscosities. Dosing pumps are mounted by you in your existing container closure (see the locating bore table). To do this, a suitable hole is drilled in the cap. Then the pump is inserted through the hole and screwed in place from below. A matching container connection is not included in the scope of delivery.

- ▶ Medium-contacting parts made of PP, PE and stainless steel



Dosing pumps Dosi-Pump



	Stroke approx. ml (oz.)	Drillhole dia. mm (in.)	Immersion depth cm (in.)	Item no.
①	4 (0.14)	21 (0.83)	25 (9.84)	5607-1004 N3
②	30 (1.01)	28.5 (1.12)	38.5 (15.16)	5607-2030 N3
③	30 (1.01)	22 (0.87)	33.5 (13.19)	5607-3030 N3
④	100 (3.38)	28.5 (1.12)	29.5 (11.61)	5607-4100 N3
⑤	250 (8.45)	28.5 (1.12)	41.5 (16.34)	5607-5250 N3

PTFE barrel pumps Ultrapure



Due to the high chemical resistance of the medium-contacting parts made of PTFE and FEP, even liquids which attack conventional materials such as PP or PVC can now be safely transferred (except for elemental fluorine) with this barrel pump.

The barrel pump is also suitable for transferring ultra-pure liquids. The stopcock prevents hazardous vapors from escaping, and stops dripping after transfer.

Barrel pump with rigid discharge tube with stopcock made of PTFE.

Barrel pump with flexible discharge hose made of PTFE, length of 1.2 m (3.94 ft.) and stopcock made of PVDF.

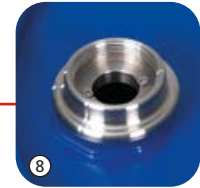
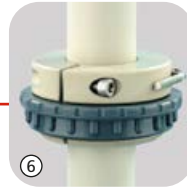
- ▶ Immersion tube Ø 32 mm (1.26 in.)
- ▶ All valves are made of solid PTFE/PVDF
- ▶ Top quality – 3 years' warranty
- ▶ Barrel screw joints for commercially available containers available as accessories

PTFE barrel pump Ultrapure - discharge tube				
Immersion depth cm (in.)	Pump capacity ml (oz.) per stroke	Item no.		
40 (15.75)	180 (6.09)	5606-0400	N4	
60 (23.62)	270 (9.13)	5606-0600	N4	
95 (37.40)	400 (13.53)	5606-1000	N4	

PTFE barrel pump Ultrapure - discharge hose				
Immersion depth cm (in.)	Pump capacity ml (oz.) per stroke	Item no.		
40 (15.75)	180 (6.09)	5606-0401	N4	
60 (23.62)	270 (9.13)	5606-0601	N4	
95 (37.40)	400 (13.53)	5606-1001	N4	

Accessories	
Description	Item no.
PP barrel screw joint, R 2", steel fine outer thread	5600-3130 N4
PP barrel screw joint, Mauser 2", coarse outer thread	5600-3170 N4
PP barrel screw joint, Tri-Sure, coarse outer thread	5600-3180 N4
Universal thread adapter AISI 304, Ø 40–70 mm (1.89–2.95 in.), G2" connector thread	5601-0120 N4
Drum holder for placing filling containers, AISI 304	5618-0200 N4

PP barrel pumps | robust industrial quality



Barrel pumps made of polypropylene allow a fast transfer of liquids from barrels, canisters and tanks. The good chemical resistance of PP allows acids, alkalis and aggressive detergents to be transferred. The low-mounted non-return valve of the barrel pump and the immersion depth that can be steplessly adjusted using the barrel screw joints ensure good removal of residual liquid. The barrel screw joint fastens the barrel's pump securely to the barrel. Barrel screw joints and thread adapters for commercially available containers are available as optional accessories.

⚠ Attention! Make sure to pay attention to the "List of Chemical Resistance"!

PP barrel pumps | robust industrial quality



PP barrel pump - discharge tube

PP barrel pump with rigid discharge tube.

PP barrel pump - discharge hose/stopcock

PP barrel pump with flexible discharge hose made of PVC, length of 1.2 m (3.94 ft.) and stopcock.

- ▶ Seals made of PTFE
- ▶ Immersion tube Ø 32 mm (1.26 in.)
- ▶ Capacity up to approx. 12 l/min (3.17 gpm)
- ▶ For barrels and tanks of 30–1000 liters (7.93–264.17 gallons)



① PP barrel pump - discharge tube

Immersion depth cm (in.)	Pump capacity ml (oz.) per stroke	Total length cm (in.)	Item no.		
50 (19.69)	200 (6.76)	60 (23.62)	5600-0501 N4		
65 (25.59)	230 (7.78)	74 (29.13)	5600-0651 N4		
80 (31.50)	260 (8.79)	90 (35.43)	5600-0801 N4		
100 (39.37)	300 (10.14)	109 (42.91)	5600-1001 N4		
125 (49.21)	300 (10.14)	134 (52.76)	5600-1251 N4		
150 (59.06)	300 (10.14)	159 (62.60)	5600-1501 N4		

② PP barrel pump - discharge hose/stopcock

Immersion depth cm (in.)	Pump capacity ml (oz.) per stroke	Total length cm (in.)	Item no.		
50 (19.69)	200 (6.76)	60 (23.62)	5600-0502 N4		
65 (25.59)	230 (7.78)	74 (29.13)	5600-0652 N4		
80 (31.50)	260 (8.79)	90 (35.43)	5600-0802 N4		
100 (39.37)	300 (10.14)	109 (42.91)	5600-1002 N4		
125 (49.21)	300 (10.14)	134 (52.76)	5600-1252 N4		
150 (59.06)	300 (10.14)	159 (62.60)	5600-1502 N4		

Accessories

Description	Item no.
③ PP barrel screw joint, R 2", steel fine outer thread	5600-3130 N4
④ PP barrel screw joint, Mauser 2", coarse outer thread	5600-3170 N4
⑤ PP barrel screw joint, Tri-Sure, coarse outer thread	5600-3180 N4

Accessories

Description	Item no.
⑥ Container screw joint	5600-3140 N4
⑦ PVC barrel plug, dia. 40–70 mm (1.57–2.76 in.) (not for EX zone)	5600-3150 N4
Discharge hose 1.2 m (3.94 ft.) PVC with stopcock for PP barrel pump	5600-0100 N4
⑧ Universal thread adapter AISI 304, Ø 40–70 mm (1.89–2.95 in.), G2" connector thread	5601-0120 N4
Drain safety stand	5618-1000 N4
Drum holder for placing filling containers, AISI 304	5618-0200 N4

Stainless Steel Barrel Pump | for flammable liquids



The Bürkle barrel pump made of stainless steel AISI 304 (1.4301) is suitable for filling combustible and easily flammable liquids. The barrel pump can conduct electricity and therefore fulfils the requirements for handling flammable liquids in combination with the accessory anti-static set.

The PTFE gaskets ensure long-term and maintenance-free use. Pumping capacity approx. 9–22 l/min (2.38–5.81 gpm), dependent on pump length.

The wide range of accessories makes it possible to adapt the pump to very different requirements.

⚠ Not suitable for acetone! When withdrawing flammable liquids, the barrel and pump have to be grounded! Use Anti-static set!



Stainless Steel Barrel Pump | for flammable liquids



Stainless steel barrel pump - discharge tube

Barrel pump made of stainless steel with discharge tube.

- ▶ Removable discharge tube
- ▶ Immersion tube Ø 32 mm (1.26 in.)

Stainless steel barrel pump - discharge hose/stopcock

Barrel pump stainless steel with discharge hose and stopcock made of stainless steel and PTFE, can conduct electricity.

- ▶ Immersion tube Ø 32 mm (1.26 in.)
- ▶ Removable hose, 1.2 m (3.94 ft.) in length
- ▶ Ball valve made of stainless steel NW 8 mm (0.31 in.)
- ▶ Discharge nozzle Ø 12.8 mm (0.50 in.)

① Stainless steel barrel pump - discharge tube

Immersion depth cm (in.)	Total length cm (in.)	Pump capacity ml (oz.) per stroke	Item no.
36 (14.17)	48 (18.90)	190 (6.42)	5601-0400 N4
57 (22.44)	69 (27.17)	330 (11.16)	5601-0500 N4
91 (35.83)	103 (40.55)	540 (18.26)	5601-0800 N4

② Stainless steel barrel pump - discharge hose/stopcock

Immersion depth cm (in.)	Total length cm (in.)	Pump capacity ml (oz.) per stroke	Item no.
36 (14.17)	48 (18.90)	190 (6.42)	5601-0401 N4
57 (22.44)	69 (27.17)	330 (11.16)	5601-0501 N4
91 (35.83)	103 (40.55)	540 (18.26)	5601-0801 N4

Accessories

Description	Item no.
③ Anti-static set	5602-1000 N4
④ Brass barrel screw joint R 2" steel fine outer thread	5601-0100 N4

Accessories

Description	Item no.
⑤ Gastight barrel connector R 2" steel fine outer thread	5601-0130 N4
Discharge hose 1.2 m (3.94 ft.) with stainless steel/PTFE stopcock	5601-0090 N4
Discharge tube for stainless steel barrel pump	5601-0080 N4
PVC barrel plug, dia. 40–70 mm (1.57–2.76 in.) (not for EX zone)	5600-3150 N4
⑥ Universal thread adapter AISI 304, Ø 40–70 mm (1.89–2.95 in.), G2" connector thread	5601-0120 N4
Drain safety stand	5618-1000 N4
Drum holder for placing filling containers, AISI 304	5618-0200 N4
PP barrel screw joint, R 2", steel fine outer thread	5600-3130 N4
PP barrel screw joint, Mauser 2", coarse outer thread	5600-3170 N4
PP barrel screw joint, Tri-Sure, coarse outer thread	5600-3180 N4
Universal barrel spanner	5690-0090 N4
Casual style safety goggles	2502-2010 N3



Mini solvent pump | reliable filling of small quantities



- ▶ Ideal for 1–5 l (0.26–1.32 gal.) containers
- ▶ Connecting thread GL 45
- ▶ Parts in contact with medium made of PTFE and stainless steel AISI 304 (1.4301), AISI 316L (1.4404)
- ▶ PTFE hose (6x8 mm (0.24x0.31 in.)) 0.4 m (1.31 ft.)
- ▶ Including grounding cable 2 m (6.56 ft.)
- ▶ Adapter available as accessory for S 40, GL 38 and GL 32

The Mini solvent pump is a high-quality hand pump for small containers such as bottles, canisters and tanks up to about 10 liters (2.64 gallons). For reliable filling and dosing of solvents and readily flammable liquids.

Simple principle - highly effective

The hand pump works according to the excess pressure principle. An excess pressure is built up in the container with the pump ball, forcing the liquid outward. In this way only the hose, pumping tube and discharge come in contact with the liquid being filled.

To ensure safety, a pressure relief valve protects the solvent pump against excessive pressure build-up, for example due to sunshine.

High-quality materials

All parts of this hand pump in contact with medium are manufactured from high-quality and inert materials PTFE and stainless steel AISI 304 (1.4301), AISI 316L (1.4404), which feature excellent chemical resistance. The Mini solvent pump is therefore especially well suited for use with high-purity liquids and readily flammable media such as acetone, isopropanol, ethanol and methanol, etc.

Filling in hazardous zones

The grounding cable included with delivery can easily be connected to the solvent pump with a bunch plug, thus diverting electrostatic charges so that flammable media can be filled safely.

Flexible applications

The solvent pump allows for filling from a wide range of container sizes. The flexible PTFE hose that conveys liquid out of the container can be shortened to any length. This ensures ideal residual draining, even from bottles and canisters with a vaulted bottom.

The hand pump has a GL 45 standard connecting thread. With the appropriate thread adapters (accessories), however, it can easily be adapted to containers with thread sizes S 40, GL 38 or GL 32.

Mini solvent pump | reliable filling of small quantities

Precise removal of liquids

The self-closing discharge (with auto-stop function) of the Mini solvent pump ensures absolutely precise filling with no dripping at all. Dosing is even easy in very small containers such as test tubes, which present no problems. A hose can optionally be fastened onto the discharge spout (internal Ø 6 mm (0.24 in.)), thus making it possible to fill the container from a greater distance.

The Mini solvent pump is especially compact and very well balanced, which makes it possible to fill without tipping, even from very small containers.

Thanks to its sturdy design and high-quality materials, the Mini solvent pump consistently ensures neat and reliable filling throughout its long service life, easily and conveniently.



Mini solvent pump

Pump capacity approx. l/min (gpm)	Connector thread	Item no.
1.8 (0.48)	GL 45	5603-4000 N4

Accessories

Description	Item no.
① Thread adapter for Mini solvent pump, PTFE, GL 45 - S 40	0006-4000 N4
① Thread adapter for Mini solvent pump, ETFE, GL 45 - GL 38	0006-4002 N4
① Thread adapter for Mini solvent pump, ETFE, GL 45 - GL 32	0006-4003 N4
② Hose cutter	0006-9506 N3
Glass sampling bottle 1000 ml (33.81 oz.), GL 45	5314-0100 N3
Suction hose PTFE on roll 6x8 mm (0.24x0.31 in.), roll with 5 m (16.40 ft.)	8804-0608 N3

Solvent pump foot operated



Solvent pump foot operated for filling off high purity liquids such as solvents.

Pouring flammable liquids

All medium-contacting parts are made of stainless steel AISI 304 (1.4301) and PTFE. The Bürkle anti-static set can be used to ground the pump for dispensing flammable liquids so that no electrostatic charge forms.

Protection against hazardous vapors

Due to the barrel screw joint and the stopcock, the container and the pump can be hermetically sealed. So that no dangerous vapors can escape after dispensing. This protects both health and the environment.

Sturdy and practical design

The solid, durable industrial version of the solvent pump ensures a long service life. The pump works according to the overpressure principle. An excess pressure is built up in the tank with the foot actuator, forcing the liquid out of the container. Easy foot operation of the pump with foot actuator leaves both hands free for dispensing. The air hose can be quickly and easily connected and disconnected with the practical clip connection.

- ▶ Immersion tube can be steplessly adjusted to the barrel depth
- ▶ For barrels up to 220 liters (58.12 gallons)
- ▶ Suitable for steel barrels with R 2" thread
- ▶ Thread adapter for commercially available containers and air filters for ultra-pure drawing-off available as accessory

⚠ When withdrawing flammable liquids, the barrel and pump have to be grounded!
Use Anti-static set!



Solvent pump foot operated - discharge hose/stopcock			
Immersion depth cm (in.)	Connector thread	Pump capacity approx. l/min (gpm)	Item no.
95 (37.40)	2"	20 (5.28)	5603-3000 N4
Solvent pump foot operated - discharge tube			
Immersion depth cm (in.)	Connector thread	Pump capacity approx. l/min (gpm)	Item no.
95 (37.40)	2"	20 (5.28)	5603-1100 N4
Accessories			
Description			Item no.
Anti-static set			5602-1000 N4
Accessories			
Description			Item no.
Air filters for solvent pump, filter class F5, 10 pieces			0006-6009 N4

Solvent pump hand operated



Hand-operated solvent pump for contaminationfree removal of organic solvents and flavoring agents. The hand pump works according to the overpressure principle. An excess pressure is built up in the tank with the pump ball, forcing the liquid out of the container.

Pouring flammable liquids

All medium-contacting parts are made of stainless steel AISI 304 (1.4301) and PTFE. The Bürkle anti-static set can be used to ground the pump for dispensing flammable liquids so that no electrostatic charge forms.

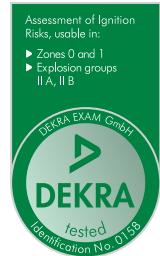
Gastight version

The pump can be completely closed off with the two ball valves so that no dangerous vapors can escape after dispensing.

Suitable for different containers

The hand pump is suitable for containers up to 60 liters (15.85 gal.). The solvent pump for tin-foil canisters has a connector thread for pull-out spouts.

- ▶ Medium-contacting parts made of stainless steel AISI 304 (1.4301) and PTFE
- ▶ Rigid discharge tube with stopcock made of stainless steel/PTFE
- ▶ Suitable for containers with R 2" thread
- ▶ Thread adapter for commercially available containers available as accessory



Solvent pump for tin-foil canisters fits on pull-out spouts



Anti-static set

! When withdrawing flammable liquids, the barrel and pump have to be grounded! Use Anti-static set!

Solvent pump hand operated

Immersion depth cm (in.)	Connector thread	Pump capacity approx. l/min (gpm)	Item no.
60 (23.62)	2"	10 (2.64)	5603-1000 N4



Solvent pump hand operated, for tin-foil canisters

Immersion depth cm (in.)	Connector thread	Pump capacity approx. l/min (gpm)	Item no.
60 (23.62)	for pull-out spout with Ø 35 mm (1.38 in.)	10 (2.64)	5603-2000 N4

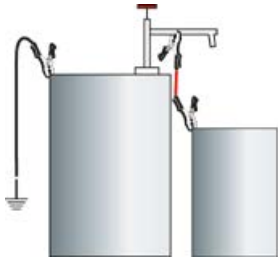


Accessories

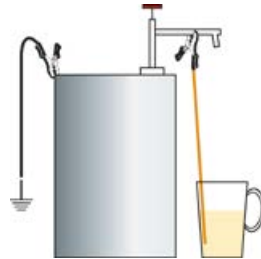
Description	Item no.
Anti-static set	5602-1000 N4

Anti-static set | prevents electrostatic build-up

Conductive containers are connected with the red cable, the black cable makes the ground connection (water pipe, etc.)



Safety Plus: The bare copper wire ensures grounding when pouring into non-conductive containers



When decanting flammable liquids without the machines and containers involved in the process being sufficiently grounded, electrostatic build-up can occur, which for many substances can result in fire or an explosion.

Burkle's Anti-static set ensures easy and reliable grounding. The Anti-static set consists of three color-coded connecting copper cables with clamps in a handy plastic case.

Anti-static set

Item no.
5602-1000



N4

Barrel screw joints



Barrel screw joint made of nickel-plated brass for barrel pump stainless steel. Prevents electro-static charge in combination with the Anti-static set. For the safe transfer of flammable and easily flammable liquids. For containers with R 2" steel fine thread inside.

Brass barrel screw joint

Thread	Tube Ø mm (in.)	Item no.	
R 2" steel fine outer thread	32 (1.26)	5601-0100	N4



The gas tight barrel screw joint prevents hazardous gases from escaping from the barrel. R 2" steel barrel thread, non-return valve with connection 1/8". Nickel-plated brass, seals made of FKM.

Gastight barrel connector

Thread	Tube Ø mm (in.)	Item no.	
R 2" steel fine outer thread	32 (1.26)	5601-0130	N4



Universal thread adapter for nearly all drums and other containers with opening of 48–75 mm (1.89–2.95 in.) in diameter, regardless of the respective thread. The thread adapter can be mounted quickly and easily with clamping screws and can be used for different container openings.

With G2" connector thread for Bürkle drum screw connections and pumps with immersion tube diameter up to 32 mm (1.26 in.).

Universal thread adapter

Opening dia. mm (in.)	Tube Ø mm (in.)	Item no.	
48–75 (1.89–2.95)	32 (1.26)	5601-0120	N4



Barrel screw joint made of PP for secure connection in the barrel in three different thread models. For drawing off liquids that are not flammable.

PP barrel screw joint

Thread	Tube Ø mm (in.)	Item no.	
R 2", steel fine outer thread	32 (1.26)	5600-3130	N4
Mauser 2", coarse outer thread	32 (1.26)	5600-3170	N4
Tri-Sure, coarse outer thread	32 (1.26)	5600-3180	N4



Container screw joint to fasten the barrel pump in any location on the side of the container. Also for wide-necked screw caps. The screw joint 2" is screwed on from the inside using lock nut 2" (Mounting holes in the container 60 mm (2.36 in.)).

Container screw joint

Opening dia. mm (in.)	Tube Ø mm (in.)	Item no.	
60 (2.36)	32 (1.26)	5600-3140	N4



Barrel bungs made of PVC, consisting of two parts, therefore can be used for various openings with a diameter from 40–70 mm (1.57–2.76 in.).

PVC barrel plug

Opening dia. mm (in.)	Tube Ø mm (in.)	Item no.	
40–70 (1.57–2.76)	32 (1.26)	5600-3150	N4

Thread adapters PP



We offer a broad range of thread adapters. This facilitates the secure connection of many of our pumps and discharge cocks to a variety of containers.

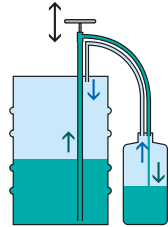
You will always find the correct connection thanks to the combination of different adapters.

Do you have any questions about choosing the right thread adapter? Please call us. We are glad to offer assistance.

Instructions for determining the thread can be found on page 178.

	External thread	Internal thread	Color	Item no.
①	Tri-Sure	2" BSP	orange	0600-1006 N4
②	Mauser	2" BSP	blue	0600-1010 N4
③	Tri-Sure	Mauser	red	0600-1011 N4
④	Mauser	Tri-Sure	purple	0600-1012 N4
⑤	US drum thread	2" BSP	silver	0600-1007 N4
⑥	61 mm (2.40 in.)	2" BSP	gray	0600-1008 N4
⑦	61 mm (2.40 in.)	3" coarse	natural	0600-1009 N4
⑧	64 mm (2.52 in.) (BSI)	DIN 60	black	0600-1014 N4
⑨	64 mm (2.52 in.) (BSI)	DIN 51	black	0600-1016 N4
⑩	64 mm (2.52 in.) (BSI)	DIN 61	yellow/blue	0600-1013 N4
⑪	64 mm (2.52 in.) (BSI)	DIN 71	brown/blue	0600-1001 N4
	Internal thread		Color	Item no.
⑫	35 mm (1.38 in.) - 2" BSP		black	0600-2004 N4
⑬	38 mm (1.50 in.) - 2" BSP		black	0600-2018 N4
⑭	DIN 61 - 2" BSP		yellow	0600-2001 N4
⑮	63 mm (2.48 in.) - 2" BSP		white	0600-2006 N4
⑯	DIN 71 - 2" BSP		brown	0600-1003 N4
⑰	38 mm (1.50 in.) - 2" BSP		black	0600-2018 N4
	External thread		Color	Item no.
⑱	61 mm (2.40 in.) - Tri-Sure		black/orange	0600-3006 N4
⑲	61 mm (2.40 in.) - 2" BSP		black	0600-3007 N4
⑳	2" coarse Mauser - 64 mm (2.52 in.) (BSI)		green	0600-3004 N4
㉑	2" coarse Tri-Sure - 64 mm (2.52 in.) (BSI)		brown	0600-3002 N4
㉒	2" BSP - 64 mm (2.52 in.) (BSI)		blue	0600-3003 N4
㉓	Adapter set, consisting of 1, 2, 15 and 17			0600-3010 N4

Gas-tight barrel pump PP | odor-free liquid transfer



Liquid is pumped in the closed system (green). Vapors are directed back through the gas displacement line (blue)



- ▶ Medium-contacting parts PP, PE and PVC
- ▶ Steplessly extendable telescopic tube
- ▶ For barrel depths of 40–67 cm (15.75–26.38 in.)
- ▶ Two adapters for original containers

The gas-tight barrel pump enables odor-free transfer. During transfer with normal pumps, it is impossible to prevent vapors escaping into the atmosphere. The gas-shuttle method avoids this. Any vapors produced are returned from the container which is to be filled to the original container via the gas-shuttle pipe. The gas pipe and the liquid pipe are additionally provided with stopcocks.

Gas-tight pumps are used for substances that have a strong smell such as ammonia.

Gas-tight barrel pump PP

Model	Pump capacity ml (oz.) per stroke	Item no.		
① with universal adapter 34–70 mm (1.34–2.76 in.) Ø	200 (6.76)	5610-1030	N4	
② with 2 screw joint adapters 3/4" with lock nuts	200 (6.76)	5610-1040	N4	

Gas-tight stainless steel pump



Gas tight barrel pump with flexible discharge hose for filling off into large canisters and containers. Convenient transfer because the canister can stay on the floor. The connection cone is held onto the container.

- ▶ Parts in contact with media: Stainless steel AISI 304 (1.4301), PTFE, nickel-plated brass, PA that can conduct electricity
- ▶ Incl. gas-tight barrel screw joints with 2" fine thread
- ▶ For bottle openings from 16–49 mm (0.63–1.93 in.)
- ▶ Immersion tube Ø 32 mm (1.26 in.)
- ▶ The pump can be hermetically sealed with two ball valves

Not suitable for acetone!

When withdrawing flammable liquids, the barrel and pump have to be grounded! Use Anti-static set!

Pump has been developed in cooperation with Ludwig-Maximilians University, Munich.

Gas-tight stainless steel barrel pump

Immersion depth cm (in.)	Total length cm (in.)	Pump capacity ml (oz.) per stroke	Item no.	
57 (22.44)	69 (27.17)	330 (11.16)	5611-1090	N4
91 (35.83)	103 (40.55)	540 (18.26)	5611-0090	N4


Siphon with stopcock | for occasional drawing off of liquids



Device for easy operation to quickly fill off watery liquids from containers higher up to containers lower down.

Works according to the siphoning principle: Liquid needs only to be primed once, therefore especially handy for complete emptying of a container.

- ▶ LDPE/PVC
- ▶ Pump capacity 9 l/min (2.38 gpm)
- ▶ With robust ball valve made of PP
- ▶ Good view of medium due to transparent hoses
- ▶ Bend protection for the hose with suspension eyelet
- ▶ Cost-effective filling unit if drawing-off does not need to take place regularly

 Offered also as rigid immersion tube upon request.



Siphon with stopcock

Material	Immersion depth cm (in.)	Hose inner dia. mm (in.)	Pump capacity approx. l/ min (gpm)	Item no.
LDPE/PVC/PP	100 (39.37)	15 (0.59)	9 (2.38)	5605-1000 N4



IBC discharge valves

The IBC discharge valve is a sturdy, high-quality ball valve with a hose connection and connection adapter including seal, for standard thread S 60x6 external or 1" external, designed to fit all commonly used European IBC containers.

With the appropriate thread, the discharge valve can also be screwed directly onto the original discharge valve that is already on the IBC tank if the original valve is leaking or faulty. In this way the IBC discharge valve ensures fast and reliable residual emptying of the container with good dosing.

The discharge valve is an indispensable accessory to ensure a professional connection of the hose or for filling from your IBC container.

- ▶ 1" flow
- ▶ Suitable for connection threads S 60x6 external or 1" external
- ▶ Discharge valve and sealing cap PP fiberglass-reinforced, ball and adapter PP
- ▶ Max. operating pressure 10 bar (145.04 PSI) (at +20 °C (68 °F))
- ▶ Max. operating temperature 80 °C (176 °F)

IBC discharge valve with 90° hose nozzle and sealing cap. The hose can also be closed with the enclosed sealing cap. Hose nozzle external PA Ø 30 mm (1.18 in.), suitable for flexible hoses.



IBC discharge valve with angle discharge

Item no.
0534-0002

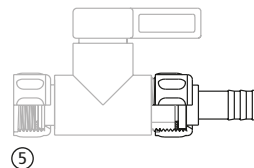
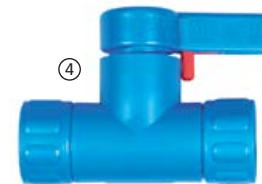
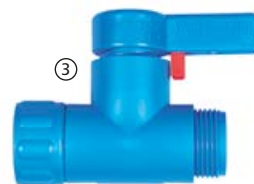
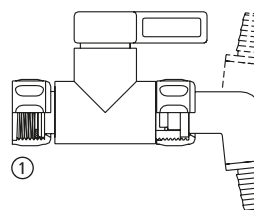


N3

StopCocks | completely water-tight, easily operated



Stopcock angled



Various designs of the stopcock. Connecting thread 3/4" with union nut or external thread

The StopCock discharge cocks fits all containers with G 3/4" connection threads. Thread adapters facilitate connection of cocks to nearly all containers.

- ▶ Tight-closing for complete seal
- ▶ Especially effortless
- ▶ With connecting cap nut, guaranteed vertical position of the cock
- ▶ Pressure-resistant up to 2 bar (29.01 PSI) at 20 °C (68 °F) (without discharge bracket and grommet)

- ▶ With discharge angle and rotatable spout preventing drips
- ▶ With tapered spout for bottles with narrow openings with a diameter from 6 to 8 mm (0.24 to 0.31 in.).
- ▶ Media-contacting parts PP, PE and PTFE

! Not suitable for crystallizing substances!

Accessories

Description	Item no.
⑤ Hose nozzle StopCock 4 mm (0.16 in.)	0525-1304 N4
Hose nozzle StopCock 6 mm (0.24 in.)	0525-1306 N4
Hose nozzle StopCock 8 mm (0.31 in.)	0525-1308 N4
Hose nozzle StopCock 10 mm (0.39 in.)	0525-1310 N4
Hose nozzle StopCock 12 mm (0.47 in.)	0525-1312 N4
Hose nozzle StopCock 16 mm (0.63 in.)	0525-1316 N4
Discharge angle	0525-1400 N4

StopCock angled

Thread, inflowing side	Thread, outflowing side	Item no.
① 3/4" inner thread cap nut	spout/nozzle	0525-1000 N4

StopCock straight-through

Thread, inflowing side	Thread, outflowing side	Item no.
② 3/4" outer thread	3/4" outer thread	0525-3000 N4
③ 3/4" inner thread cap nut	3/4" outer thread	0525-5000 N4
④ 3/4" inner thread cap nut	3/4" inner thread cap nut	0525-7000 N4

Compact spigot



The spigot Compact for canisters and barrels captivates everyone through its compact build, which makes the valve on the canister ideal for use in refrigerators and on racks, etc. The short discharge does not protrude out over the lower edge of the container, which makes the valve a perfect choice even when space is very limited.

The discharge's specially optimized design creates an even stream of liquid with no splashing or spattering. The spigot features easy motion and a tight seal. It is screwed on with a connecting cap nut. This guarantees a vertical position of the valve and makes it possible to adjust the valve later on.

The Compact spigot fits all containers with G 3/4" connecting threads.

PP, PE and PTFE are materials that offer outstanding chemical resistance to acids and alkalis.

The Compact spigot is the ideal addition to the compact jerrycans – for perfect storage and filling when space is at a premium!

- ▶ Space-saving design
- ▶ Optimized discharge for even flow
- ▶ With connecting union nut for vertical position of the stop cock
- ▶ Tight-closing for complete seal



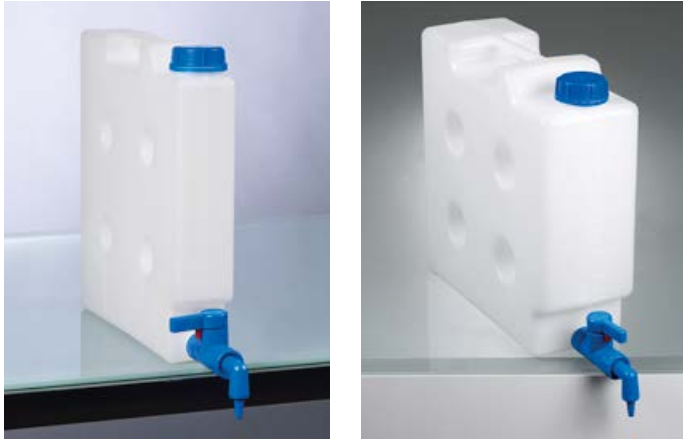
Compact spigot

Thread, inflowing side
3/4" inner thread cap nut

Item no.
0530-1000 N4

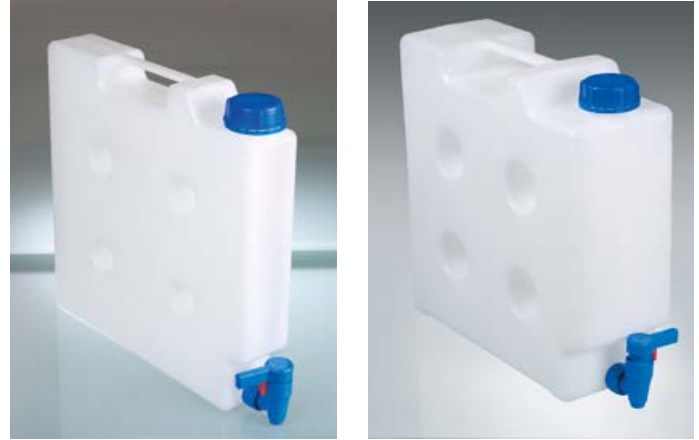


Compact jerrycan & StopCock set



The Compact jerrycan & StopCock set consists of the compact jerrycan with glands 5 l (1.32 gal.) (0435-2050) or 10 l (2.64 gal.) (0435-2100) and the spigot StopCock (0525-1000).

Compact jerrycan & Compact stop cock set



The Compact stop cock is the ideal addition to the compact jerrycan – for perfect storage and filling when space is at a premium! The space-saving set consists of the compact jerrycan with glands 5 l (1.32 gal.) (0435-2050) or 10 l (2.64 gal.) (0435-2100) and the spigot Compact (0530-1000).



Compact jerrycan & StopCock set

Capacity l (gal.)	Item no.
5 (1.32)	0435-0001 N4
10 (2.64)	0435-0010 N4

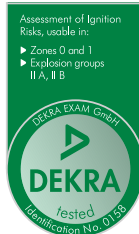
Compact jerrycan & Compact stop cock set

Capacity l (gal.)	Item no.
5 (1.32)	0435-3000 N4
10 (2.64)	0435-3010 N4

Compact jerrycan set, electroconductive StopCock PA, electroconductive



The electrically conductive compact jerrycan set consists of a compact jerrycan with a capacity of 5 litres (1.32 gal.) (0435-2055) or 10 litres (2.64 gal.) (0435-2105) and a StopCock PA (0525-1100). The stopcock and canister can be earthed with an anti-static set and can therefore be used in explosion-proof areas.



! When withdrawing flammable liquids, the canister has to be grounded! Use Anti-static set!

Compact jerrycan set, electroconductive		
Capacity l (gal.)	Item no.	
5 (1.32)	0435-0005 N4	
10 (2.64)	0435-0015 N4	
Accessories		
Description	Item no.	
Anti-static set	5602-1000 N4	



Commercially available spigots made of the materials polyethylene or polypropylene cannot be used for solvents. The spigot StopCock PA is made of electrically conductive polyamide and therefore perfectly suitable for solvents. StopCock PA fits onto 3/4" outer threads and with the supplied adapter onto 3/4" inner threads and therefore onto nearly all commercially available canisters and barrels where the discharge thread is at the bottom.

- ▶ With discharge angle and rotatable spout preventing drips
- ▶ With tapered spout for bottles with narrow openings with a diameter from 6 to 8 mm (0.24 to 0.31 in.)
- ▶ Media-contacting parts PA conductive to electricity and PTFE
- ▶ Supplied with PA adapter conductive to electricity for 3/4" inner thread



! Note the "List of Chemical Resistance"!

StopCock PA, electroconductive			
Thread, inflowing side	Thread, outflowing side	Item no.	
3/4" inner thread cap nut	spout/nozzle	0525-1100 N4	
Accessories			
Description	Item no.		
Anti-static set	5602-1000 N4		

Ball valve PP



Ball valve PP fits all containers with G 3/4" connection thread. It can be attached to nearly all containers with thread adapters. Robust industrial quality, large flow.

- ▶ Suitable for crystallizing media
- ▶ Max. 4 bar (58.01 PSI) pressure at 20 °C (68 °F)
- ▶ With connecting cap nut, guaranteed vertical position of the valve
- ▶ Incl. discharge angle
- ▶ Hose nozzle 16 mm (0.63 in.) Ø
- ▶ Nominal width 11 mm (0.43 in.) Ø

Ball valve PP



Item no.
0500-0100 N4

Accessories

Description	Item no.
Sealing tape PTFE, width 12 mm (0.47 in.), length 12 m (39.37 ft.)	0006-4514 N3

Spigot "Air"



No additional ventilation opening required, PE, transparent, 3/4" thread connection outside.

- ▶ Self-venting
- ▶ NW 13 mm (0.51 in.)
- ▶ Seal made of natural rubber

Spigot "Air"



Item no.
0533-0010 N3

Stainless steel spigot



Very sturdy and robust spigot made of stainless steel AISI 304 (1.4301). The outlet of the spigot turns 360° so it can be adjusted to any required position. With a practical suspension device for filling container and eyelet for shutting off the spigot.

- ▶ Seals PTFE, FKM
- ▶ Self-closing
- ▶ Thread connection 3/4"
- ▶ Lockable
- ▶ NW 10 mm (0.39 in.)

Stainless steel spigot



Item no.
0535-0020 N4

Spigot "Brass"



Barrel tap for petrochemical liquids, closed independently when not used (increased safety), thread connection 3/4" on the outside.

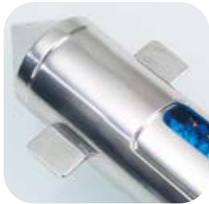
- ▶ Seals NBR
- ▶ Self-closing
- ▶ NW 10 mm (0.39 in.)

Spigot "Brass"



Item no.
0535-0010 N4

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Samplers

Sampling from liquids, bulk goods and viscous media

Take samples – but do it right!

Taking samples

When taking samples, a random test is taken from an overall quantity. These samples serve as the basis for the analysis regarding quality assurance. The correct procedure for taking spot samples is therefore a very important subject. Only with representative and authentic samples can reliable information about the quality, properties or composition of a particular material be provided.

Very precise material analyses can be carried out with the most up-to-date technology. However, the technology is no good if an error occurs when the sample is taken and this error continues through all phases of the analysis, with the consequence that the final result of the quality check is wrong.

Correct information about the properties of a material can only be provided if the sample is taken properly and treated in the same way as in the subsequent analysis. The basic point is that the properties and composition of the sample quantity correspond exactly with the material quantity that has to be evaluated.

Location for taking samples

The location from where the samples are taken has to be as clean as possible. At the very least, the use of clean samplers, equipment and tools has to be considered. During the procedure, no external factors must influence the sampling. Even small external contamination can significantly alter the examination result. Detergents which are used to clean the samplers or the sample packaging can also falsify the result of the analysis.



Taking samples - but how?

When taking samples, some essential stipulations such as DIN-standards have to be complied with. The recommendation is to follow a company-internal checklist which should be a fixed component of a company's quality standards. All relevant steps for taking samples are documented in this checklist so that they can be traced at any time.

Taking samples - but who? - Qualified personnel

Only skilled personnel should take the samples. It must be guaranteed that sampling is carried out exactly in accordance with the stipulated DIN-standards or internal guidelines.

Technical knowledge is of utmost importance because altered circumstances can only be reacted to on-site. Only trained personnel can quickly and safely recognize mistakes that occur or altered circumstances and react accordingly.

Taking samples - with what? - Sampling equipment

Choosing the right sampling equipment depends on many different selection criteria. It depends on the material properties of the sampler as well as on the type of sampling, the container or the site where the material is located, and the frequency with which the



sampling has to be carried out. In addition to individual requirements for sampling, all equipment should fulfill the basic principles explained below:

Sampler material

The equipment should be made of inert substances from which no material can come loose and which does not react with other substances and therefore cannot

contaminate the sample. The inert substance depends on the medium to be sampled. As a general rule, samplers made of stainless steel and high-quality plastic such as PTFE are very suitable.

Cleaning the sampling equipment

It should be easy and quick to clean the equipment and – under certain conditions – to sterilize it. In the food industry, sterile-packed disposable samplers are recommended which can be disposed of after use.

Processing the samplers

Samplers must not have any grooves or crevices because residual material collects in such crevices and cannot be easily removed. This means that cross-contamination and memory effects can no longer be ruled out.

Surface of the equipment

The samplers' surfaces have to be especially smooth, for example, electro-polished stainless steel or PTFE. This prevents material from being deposited and simplifies cleaning. When selecting the appropriate sampling equipment, you must ensure that it is finished properly on the inside. Equipment with only a smooth external surface will not meet any quality standards.

Sampling techniques – physical and analytical sampling
A distinction is made between physical and analytical/chemical sampling.

During **physical sampling**, the bulk density, material distribution, material properties and – if required – coloring or contamination are determined. It is especially important in this case that the sampler does not change or destroy the material's properties while taking the sample. A sample taken onsite still has to be transported. During packing and transport, the same high quality standards should apply as during sampling, so that the sample reaches the laboratory unaltered.

During **analytical sampling**, special attention must be paid to cleanliness in addition to the aspects listed above. However, the material properties can be disregarded at times because the sample will be specially processed. In this case, equipment can be used which changes the physical properties of the material.

Any questions?

We will be happy to advise you.

Talk to us – telephone +1-631-750-3772, or send an email to info@burkle-inc.com



Further information on the topic
"Take samples – but do it right":
www.buerkle.de/en/knowhow/take-samples-but-do-it-right

Zone samplers | for all kinds of bulk goods



1. Multi sampler (closed chambers)
2. All layer sampler (open inner tube)
3. Uno sampler (one closed chamber)

Bürkle zone samplers are used for taking samples of bulk goods of any kind.

The big advantage of zone samplers is that all-layer samples can be collected from all layers of the container.

Various bulk goods can be collected with the lances, from the finest powder to large grains such as corn or nuts.

The zone samplers are available in different lengths. 55 cm (21.65 in.) (only Multi, Uno and All-layer sampler) especially suitable for sacks, 85 cm (33.46 in.) long (especially for barrels, tubs, mixed containers) and 150 cm (59.06 in.) as well as 250 cm (98.43 in.) (only Jumbo sampler) for big bags, silos, tanks.

Safe and reliable sampling is made even easier with useful special accessories such as sealing sleeves, Quali-Paper, cleaning brushes, emptying devices and close-it control seals.

The zone samplers are available in different models for different sampling tasks.

- ▶ Smallest possible gap between the inner and the outer tube
- ▶ Easy cleaning, removable tip
- ▶ Color coding (Multi and Uno sampler)
- ▶ Ultra-pure materials
- ▶ Excellent processing, robust model



Color coding: Identification to prevent mixing up with Multi sampler and Uno sampler.



Zone samplers | for all kinds of bulk goods



All-layer sampler, with open inner tube, no separate chambers, and large sampling volume. For all-layer samples through all the layers of the sample.

- ▶ Aluminum or AISI 316L (1.4404)
- ▶ 25 mm (0.98 in.) Ø



Corresponds to ISTA standard for seed lengths of 10 mm (0.39 in.) (wheat, oats) and 5 mm (0.20 in.) (flax, vetches).



Multi sampler with several closed chambers, for multi point sampling from several predetermined sampling depths.

- ▶ Aluminum, AISI 316L (1.4404) or AISI 316L (1.4404)/PTFE
- ▶ Version made of AISI 316L (1.4404)/PTFE with low weight due to PTFE sample chambers.
- ▶ With color coding system
- ▶ 25 mm (0.98 in.) Ø



Uno sampler made of stainless steel AISI 316L (1.4404)/PTFE with a closed sample chamber for point sampling from a predetermined sampling depth.

- ▶ Outer tube stainless steel AISI 316L (1.4404), sample chambers made of PTFE
- ▶ With color coding system
- ▶ 25 mm (0.98 in.) Ø



close-it seals openings. See page 56.

All-layer-sampler

Material	Total length cm (in.)	Insertion depth mm (in.)	No. of openings	Chamber volume ml (oz.)	Item no.
aluminum	55 (21.65)	430 (16.93)	3	70 (2.37)	5317-2055 N4
aluminum	85 (33.46)	710 (27.95)	3	130 (4.40)	5317-2085 N4
aluminum	150 (59.06)	1355 (53.35)	5	260 (8.79)	5317-2150 N4
AISI 316L	55 (21.65)	430 (16.93)	3	70 (2.37)	5316-2055 N4
AISI 316L	85 (33.46)	710 (27.95)	3	130 (4.40)	5316-2085 N4
AISI 316L	150 (59.06)	1355 (53.35)	5	260 (8.79)	5316-2150 N4

Multi sampler

Material	Total length cm (in.)	Insertion depth mm (in.)	Number of collection chambers	Chamber volume ml (oz.)	Item no.
aluminum	55 (21.65)	430 (16.93)	3	14 (0.47)	5317-1058 N4
aluminum	85 (33.46)	710 (27.95)	3	17 (0.57)	5317-1085 N4
aluminum	150 (59.06)	1355 (53.35)	5	17 (0.57)	5317-1150 N4
AISI 316L	55 (21.65)	430 (16.93)	3	14 (0.47)	5316-3055 N4
AISI 316L	85 (33.46)	710 (27.95)	3	17 (0.57)	5316-3085 N4
AISI 316L	150 (59.06)	1355 (53.35)	5	17 (0.57)	5316-3150 N4
AISI 316L/PTFE	55 (21.65)	430 (16.93)	3	14 (0.47)	5316-0055 N4
AISI 316L/PTFE	85 (33.46)	710 (27.95)	3	17 (0.57)	5316-0085 N4
AISI 316L/PTFE	150 (59.06)	1355 (53.35)	5	17 (0.57)	5316-0150 N4

Uno sampler

Material	Total length cm (in.)	Insertion depth mm (in.)	Number of collection chambers	Chamber volume ml (oz.)	Item no.
AISI 316L/PTFE	55 (21.65)	430 (16.93)	1	17 (0.57)	5316-1055 N4
AISI 316L/PTFE	85 (33.46)	710 (27.95)	1	17 (0.57)	5316-1085 N4
AISI 316L/PTFE	150 (59.06)	1355 (53.35)	1	17 (0.57)	5316-1150 N4

Use

1. Turn the handle, close the chambers.
2. Insert the sampler to the required depth.
3. Open the chambers, sample flows into the chamber.
4. Close the chambers.
5. Pull out the sampler.
6. Close the insertion opening with the close-it control seal.
7. Empty the chambers onto Quali-Paper or with the emptying device.

Zone samplers | for all kinds of bulk goods



Jumbo sampler with a tube diameter of 50 mm (1.97 in.), ideal for coarse grains and larger quantities. With an open inner tube and large sampling volume, for all-layer samples through all layers of the sample or with sample chambers separated by PTFE separators for multi point sampling from several predetermined sampling depths.

- ▶ Aluminum or aluminum/PTFE
- ▶ 50 mm (1.97 in.) Ø

Jumbo sampler

Model	Total length cm (in.)	Material	Insertion depth mm (in.)	No. of openings	Chamber volume ml (oz.)	Item no.	
All layer - open inner tube	95 (37.40)	aluminum	850 (33.46)	3	880 (29.76)	5319-1085	N4
All layer - open inner tube	165 (64.96)	aluminum	1500 (59.06)	5	1700 (57.48)	5319-1150	N4
All layer - open inner tube	265 (104.33)	aluminum	2500 (98.43)	7	2900 (98.06)	5319-1250	N4
Multi - closed chambers	95 (37.40)	aluminum/PTFE	850 (33.46)	3	390 (13.19)	5319-2085	N4
Multi - closed chambers	165 (64.96)	aluminum/PTFE	1500 (59.06)	5	650 (21.98)	5319-2150	N4
Multi - closed chambers	265 (104.33)	aluminum/PTFE	2500 (98.43)	7	910 (30.77)	5319-2250	N4



Emptying device



Sealing sleeves zone sampler 25 mm (0.98 in.)



Quali-Paper for zone sampler



Cleaning brushes

Emptying device

Model	Material	Length cm (in.)	Item no.	
device with 3 funnels	AISI 304	100 (39.37)	5317-0030	N4
emptying funnel separate	AISI 304		5317-0033	N4

Sealing sleeves

Dia. mm (in.)	Material	Pieces per pack	Item no.	
25 (0.98)	PP	3	5317-0011	N4
50 (1.97)	PVC	1	5317-0010	N4

Quali-Paper

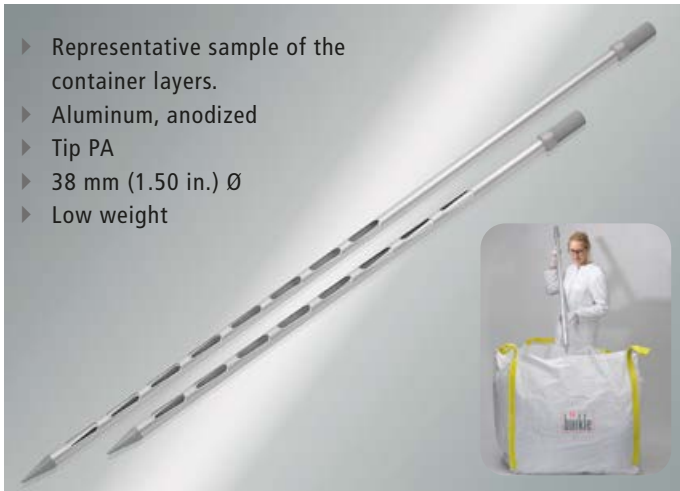
L x W cm (in.)	Pieces per pack	Item no.
89 x 23 (35.04 x 9.06)	50	5317-0001

Cleaning brushes

Dia. mm (in.)	Length cm (in.)	Material	Item no.	
25 (0.98)	40 (15.75)	PVC/stainless steel	5304-0040	N4
25 (0.98)	60 (23.62)	PVC/stainless steel	5304-0060	N4
25 (0.98)	80 (31.50)	PVC/stainless steel	5304-0080	N4
25 (0.98)	100 (39.37)	PVC/stainless steel	5304-0100	N4
50 (1.97)	100 (39.37)	PVC/stainless steel	5304-5100	N4
50 (1.97)	300 (118.11)	PVC/stainless steel	5304-5300	N4

Zone sampler Spiralus

- ▶ Representative sample of the container layers.
- ▶ Aluminum, anodized
- ▶ Tip PA
- ▶ 38 mm (1.50 in.) Ø
- ▶ Low weight



Zone sampler Spiralus guarantees precise zone sampling through all layers of the sample. The spiral arrangement of the sampling slits means that these are opened one after the other from bottom to top. In this way the lowest opening is filled first and then those above it in sequence until the complete Spiralus has been filled. The shape of the sampling slits prevents seeds from being cut up. The zone sampler Spiralus provides an excellent all-layer sample.

Applications

Spiralus is particularly suitable for sampling coarse-grained bulk goods, seeds and pellets at locations such as soil heaps, warehouses, trucks, railway goods cars, etc.

Zone sampler Spiralus

Total length cm (in.)	No. of openings	Weight g (oz.)	Chamber volume ml (oz.)	Item no.
145 (57.09)	8	1400 (49.38)	770 (26.04)	5318-0145 N4
200 (78.74)	8	2000 (70.55)	1100 (37.19)	5318-0200 N4

Accessories

Description	Item no.
Cleaning brushes 50 mm (1.97 in.) dia., length 1000 mm (39.37 in.)	5304-5100 N4
Quali-Paper	5317-0001 N4

EasySampler | easy to empty



It is possible to take multiple samples from bulk goods with this sampler quickly and easily. Emptying has been greatly simplified and in this model takes place via the tip. The advantage: The sample can be emptied directly into the sample container without having to disassemble the EasySampler, in order to obtain a mixed sample for instance. The bulk material must be free-flowing or self-flowing.

- ▶ Stainless steel AISI 316L (1.4404)
- ▶ For sample opening from Ø 52 mm (2.05 in.)

EasySampler has been developed in cooperation with an international chemical concern based in Ludwigshafen, Germany.

EasySampler

Chamber volume ml (oz.)	Total length cm (in.)	Tube Ø mm (in.)	Item no.
60 (2.03)	100 (39.37)	32 (1.26)	5360-0600 N4
200 (6.76)	104.5 (41.14)	32 (1.26)	5360-1000 N4

All-layer drill



The all-layer drill is a special zone collector specifically designed for heavily compacted substances. Often it is very difficult or impossible with conventional zone collectors to penetrate media of this type and take a sample extending through all layers. By contrast, the drilling blades of the all-layer drill burrow easily and quickly to the required depth without expending any great force. This makes it easy to take samples of media, even those with high density, and every type of highly compacted powders and granulates.

The all-layer drill thus allows you to take a representative sample through all the layers, even with greatly compressed media.

It is ideal for larger containers, mixed containers, big bags, etc. in the building materials, chemical, pharmaceutical, food and luxury items industries.

- ▶ Stainless steel AISI 316L (1.4404)
- ▶ 25-mm (0.98 in.) diameter



Use

1. The all-layer drill is screwed manually into the bulk material.
2. The chambers are opened at the desired sample depth and the sample material flows in.
3. Close the chambers.
4. Remove or unscrew the all-layer drill.
5. Empty the sample through the open inner tube.



All-layer drill

Material	Total length cm (in.)	Insertion depth mm (in.)	No. of openings	Chamber volume ml (oz.)	Item no.
AISI 316L	150 (59.06)	1355 (53.35)	5	260 (8.79)	5310-0150 N4
Accessories					
Description Cleaning brushes 25 mm (0.98 in.) dia., length 100 cm (39.37 in.)					Item no. 5304-0100 N4

All-layer-scratcher



The scratcher is a special sampler for powders and granules that do not flow freely.

The sample is transferred to the closable inner tube using a scraper. Sliding PTFE separators are used to divide the inner tube into different zones. The separators also prevent the sample from being mixed.

- ▶ For caked bulked goods
- ▶ Zones can be varied due to moveable PTFE separators
- ▶ Made of stainless steel AISI 316L (1.4404) and PTFE

All-layer-scratcher			
Dia. mm (in.)	Length mm (in.)	Chamber volume ml (oz.)	Item no.
25 (0.98)	1000 (39.37)	180 (6.09)	5351-1000 N2
Accessories			
Description			Item no.
Cleaning brushes 25 mm (0.98 in.) dia., length 100 cm (39.37 in.)			5304-0100 N4

Scratcher | for non-pourable substances



The scratcher has particularly been designed for sampling cohesive, caked and not free-flowing substances.

- ▶ Stainless steel AISI 316L (1.4404)
- ▶ Total length 1000 mm (39.37 in.)
- ▶ Ø 25 mm (0.98 in.)

Use

1. Insert the closed lance into the sample.
2. Open the inner tube by turning the sample chamber when at the required depth.
3. Turn the scratcher by 360° in the sample, the scraper directs the caked material into the sample chamber.
4. Close the sample chamber.

Scratcher					
Chamber volume ml (oz.)	Flute length mm (in.)	Outer dia. with scraper mm (in.)	Item no.		
5 (0.17)	22 (0.87)	32 (1.26)	5347-0005	N2	
10 (0.34)	45 (1.77)	32 (1.26)	5347-0010	N2	
25 (0.85)	110 (4.33)	32 (1.26)	5347-0025	N2	

Core Sampler



Product is patented

The core sampler can be used to take samples of bulk materials which can easily become stuck or settle during sampling due to their particle form.

In comparison to standard all-layer samplers for bulk materials, the two-part core sampler has no gap dimensions in which the medium can become stuck while it is being removed. This makes it possible to take a proper sample of powders and granulates through multiple layers, for example glass balls or metal powders.

Depending on the size, the stainless steel sampler can be used for a wide range of different containers, for example big bags or small containers. The bulk material sampler takes a representative core sample and is ideal for use in various laboratory and industrial applications.

- ▶ Stainless steel AISI 316
- ▶ For bulk materials that become stuck or settle easily
- ▶ Scope of delivery: Core sampler (consisting of boring rod and boring tube), fixing clip

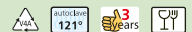


Application

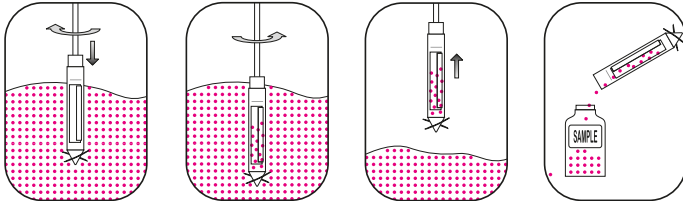
1. Insert the boring rod into the sampling medium.
2. Slip the boring tube over the boring rod.
3. Pull the core sampler out by the boring rod and remove the sample.
4. If necessary fix the boring tube in place with the fixing clip.

Core Sampler

Length mm (in.)	Dia. mm (in.)	Volume ml (oz.)	Item no.	
200 (7.87)	15 (0.59)	15 (0.51)	5310-0001	N4
400 (15.75)	25 (0.98)	110 (3.72)	5310-0002	N4
800 (31.50)	25 (0.98)	230 (7.78)	5310-0003	N4

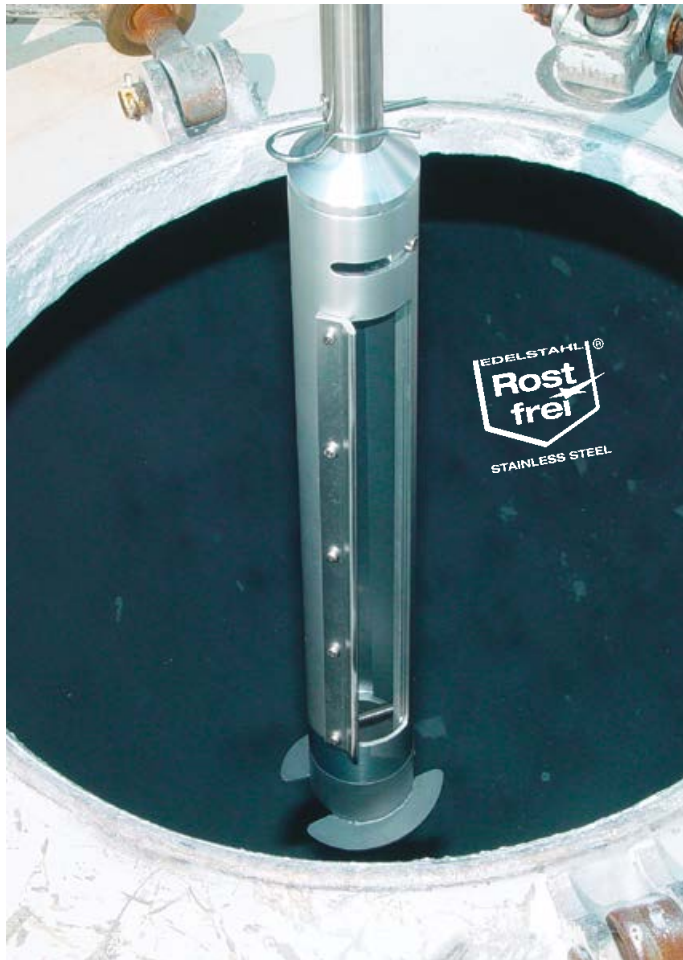


Samplers for silos



If bulk goods are transported over long distances (in trucks, railway goods cars), separation may occur.

Taking the sample just from the surface therefore leads to the wrong result. Representative samples from all layers of the silo can be taken with the SiloDrill. The SiloDrill fits through all standard openings with its diameter of 90 mm (3.54 in.).



- ▶ Of stainless steel AISI 304 (1.4301) or aluminum
- ▶ Standard length 150 cm (59.06 in.), extendable in increments of 100 cm (39.37 in.), max. 350 cm (137.80 in.)
- ▶ Sprung inner tube prevents jamming of coarse grains
- ▶ Scraper edge for cohesive substances
- ▶ Sturdy, removable T-handle
- ▶ Drill tip with drilling blades for easy boring
- ▶ Easy removal of the sample chamber, simple cleaning



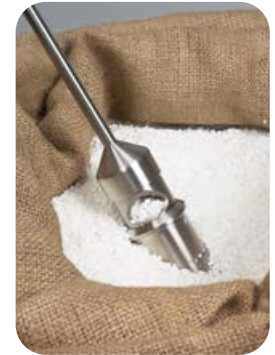
SiloDrill

Material	Total length cm (in.)	Spiral screw dia. mm (in.)	Chamber dia. mm (in.)	Volume ml (oz.)	Item no.				
aluminum	150 (59.06)	90 (3.54)	40 (1.57)	400 (13.53)	5301-1000	N4			
AISI 304	150 (59.06)	90 (3.54)	40 (1.57)	400 (13.53)	5301-2000	N4			

Accessories

Description	Item no.
SiloDrill extension AISI 304, 100 cm (39.37 in.)	5301-0500 N4
Transport case LxWxH 123x25x11 cm (48.43x9.84x4.33 in.)	3600-2120 N4

Silo sampler SiloPicker



The SiloPicker is ideal for taking bulk goods samples from silos. Using the extension rods, samples can be taken from depths down to 350 cm (137.80 in.). The insertion depth depends on the density of the bulk goods.

► Stainless steel AISI 316L (1.4404)



Use

1. Insert SiloPicker into the bulk goods. When this is done, the closure sleeve automatically closes the collection container.
2. When the sampling depth has been reached, the closure sleeve is opened by gently pulling back the SiloPicker, the sampling container is filled.
3. Pull out the SiloPicker and empty it.

Silo sampler SiloPicker

Chamber volume ml (oz.)	Length cm (in.)	Outer dia. mm (in.)	Item no.
100 (3.38)	130 (51.18)	50 (1.97)	5340-1100 N4

Accessories

Description	Item no.
SiloPicker extension 50 cm (19.69 in.)	5380-0508 N4
SiloPicker extension 100 cm (39.37 in.)	5380-1008 N4
Transport case LxWxH 123x25x11 cm (48.43x9.84x4.33 in.)	3600-2120 N4

MicroSampler | useful for taking small samples, sterilizable

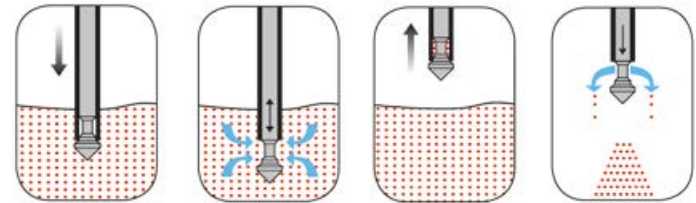


The MicroSampler has especially been designed for the sampling of small quantities of powder.

Volumes of 0.2 ml (0.01 oz.), 0.5 ml (0.02 oz.), 1.0 ml (0.03 oz.), 2.0 ml (0.07 oz.), 5.0 ml (0.17 oz.) and 10 ml (0.34 oz.) can be sampled easily, quickly and cleanly from different sampling depths from sacks or containers. The tips of the MicroSampler are interchangeable. This means that tips with different volumes can be used.

- ▶ Point sampling
- ▶ Various lengths and volumes are available
- ▶ Tip can be removed, easy cleaning
- ▶ Stainless steel AISI 316L (1.4404)
- ▶ Sterilizable
- ▶ Additional tips are available in different sizes

Please order head separately!



Use

1. Insert MicroSampler into powder.
2. At the predetermined point, open the volume tip by pressing the button, the sample flows in.
3. Close the volume tip, the sample is collected.
4. Pull back the lance, open the volume tip again, empty the sample.



MicroSampler

Tube Ø mm (in.)	Length cm (in.)	Model	Item no.
12 (0.47)	55 (21.65)	without head	5307-1055 N4
12 (0.47)	85 (33.46)	without head	5307-1085 N4
12 (0.47)	120 (47.24)	without head	5307-1120 N4
25 (0.98)	55 (21.65)	without head	5307-2055 N4
25 (0.98)	85 (33.46)	without head	5307-2085 N4
25 (0.98)	120 (47.24)	without head	5307-2120 N4

Accessories

Description	Item no.
MicroSampler heads fits tube with 12 mm (0.47 in.) dia., capacity 0.2 ml (0.01 oz.)	5307-0102 N4
MicroSampler heads fits tube with 12 mm (0.47 in.) dia., capacity 0.5 ml (0.02 oz.)	5307-0105 N4
MicroSampler heads fits tube with 12 mm (0.47 in.) dia., capacity 1 ml (0.03 oz.)	5307-0110 N4
MicroSampler heads fits tube with 25 mm (0.98 in.) dia., capacity 2 ml (0.07 oz.)	5307-0202 N4
MicroSampler heads fits tube with 25 mm (0.98 in.) dia., capacity 5 ml (0.17 oz.)	5307-0205 N4
MicroSampler heads fits tube with 25 mm (0.98 in.) dia., capacity 10 ml (0.34 oz.)	5307-0210 N4

Novartos | pharma zone sampler for sampling according to FDA guidelines for unit-dose sampling

Unit-Dose-Sampling

During powder separation checks and purity validations of powders, liquids and semi-solid substances, special procedures (unit-dose-sampling) must be employed to achieve the desired results. Special sampling methods, which are required especially in the pharmaceutical industry in conformance with FDA and GMP specifications, require samplers with special features.

- ▶ High degree of preciseness
- ▶ Groove-free surfaces, electropolished if possible
- ▶ AISI 316 stainless steel or PTFE materials
- ▶ Sterilizable
- ▶ Easy and perfect cleaning

Many Bürkle Samplers fulfill these demands, have been tested in actual practice, and are distinguished by especially sturdy and precise machining.

Novartos is a pharma zone sampler for unit-dose sampling:

- ▶ For various sampling depths with simultaneous double resp. triple sample (Duo or triple sampler).
- ▶ Precise volume calibration with 40 exchangeable sample inserts with volumes from 0.1 ml (0.0034 oz.) to 4.0 ml (0.135 oz.), in increments of 0.1 ml (0.0034 oz.).



Novartos is the pharmaceutical zone sampler for sampling in accordance with the FDA guidelines for unit dose sampling. With the Novartos pharmaceutical samplers, multiple individual dose samples (unit dose samples) can be taken from one or more sampling points in a single sampling.

Thanks to the intelligent design of these pharmaceutical samplers, the lance does not have to be inserted into the sampling material several times. This largely prevents mixing. This is an important criterion, especially when sampling very small quantities in the pharmaceutical industry. Novartos samplers can be used to take a large number of samples quickly and easily, including from the same point, thus allowing for representative reserve samples. Novartos offers a wide range of sample volumes for selection.

Many different inserts with sample volumes from 0 to 2.0 ml (0 to 0.07 oz.) (Novartos Multi) or 4.0 ml (0.14 oz.) (Novartos Uno) can be selected and combined. Withdrawal of a sample can be prevented at certain points with dummy inserts (0.0 ml). The immersion depths of the sample lance can easily be read on a laser-engraved depth scale.

- ▶ Several single-dose samples from one or more sampling points all in one sampling
- ▶ Precision-fit, easily interchangeable sample inserts
- ▶ Stainless steel V4A (1.4404 / 1.4571)
- ▶ 25 mm Ø (0.98 in.)



Double sampling



Triple sampling



Novartos | pharma zone sampler for sampling according to FDA guidelines for unit-dose sampling

Novartos Multi double sampling

With Novartos Multi double sampling, a double multi-point sample can be taken from multiple predefined sample zones. Depending on the length, four, seven or nine sample chambers are each fitted with two sample inserts for the double sampling.



Novartos Multi triple sampling

With Novartos Multi triple sampling, a triple multi-point sample can be taken from multiple predefined sample zones. Depending on the length, four, seven or nine sample chambers are each fitted with three sample inserts for the triple sampling.



Novartos Uno double sampling

With Novartos Uno double sampling, a double target-point sample can be taken from a predefined sample zone. A sample chamber is fitted with two sample inserts for the double sampling.



Novartos Uno triple sampling

With Novartos Uno triple sampling, a triple target-point sample can be taken from a predefined sample zone. A sample chamber is fitted with three sample inserts for the triple sampling.



i Novartos was developed in cooperation with a multinational operating Pharmaceutical/chemical group in Basel/Switzerland.

! Please order inserts separately! (Alternative sample volumes on request.)

Novartos Multi double sampling

Model	Length mm (in.)	Collection chambers	Number of inserts	Item no.
without inserts	600 (23.62)	4	8	5358-0602 N4
without inserts	1000 (39.37)	7	14	5358-1000 N4
without inserts	1400 (55.12)	9	18	5358-1402 N4

Novartos Multi triple sampling

Model	Length mm (in.)	Collection chambers	Number of inserts	Item no.
without inserts	600 (23.62)	4	12	5358-0603 N4
without inserts	1000 (39.37)	7	21	5358-1003 N4
without inserts	1400 (55.12)	9	27	5358-1403 N4

Accessories

Description	Item no.
Inserts for Novartos Multi capacity 0 ml (0 oz.)	5358-0000 N4
Inserts for Novartos Multi, capacity 0.5 ml (0.02 oz.)	5358-0005 N4
Inserts for Novartos Multi, capacity 1 ml (0.03 oz.)	5358-0010 N4
Inserts for Novartos Multi capacity 1.5 ml (0.05 oz.)	5358-0015 N4
Inserts for Novartos Multi, capacity 2 ml (0.07 oz.)	5358-0020 N4

Novartos Uno double sampling

Model	Length mm (in.)	Collection chambers	Number of inserts	Item no.
without inserts	600 (23.62)	1	2	5358-0600 N4
without inserts	1000 (39.37)	1	2	5358-1001 N4
without inserts	1400 (55.12)	1	2	5358-1400 N4

Novartos Uno triple sampling

Model	Length mm (in.)	Collection chambers	Number of inserts	Item no.
without inserts	600 (23.62)	1	3	5358-0630 N4
without inserts	1000 (39.37)	1	3	5358-1430 N4
without inserts	1400 (55.12)	1	3	5358-1030 N4

Accessories

Description	Item no.
Inserts for Novartos Uno, capacity 0 ml (0.00 oz.)	5358-0100 N4
Inserts for Novartos Uno, capacity 0.5 ml (0.02 oz.)	5358-0105 N4
Inserts for Novartos Uno, capacity 1 ml (0.03 oz.)	5358-0110 N4
Inserts for Novartos Uno, capacity 2 ml (0.07 oz.)	5358-0120 N4
Inserts for Novartos Uno, capacity 3 ml (0.10 oz.)	5358-0130 N4
Inserts for Novartos Uno, capacity 4 ml (0.14 oz.)	5358-0140 N4

Accessories

Description	Item no.
Transport case LxWxH 123x25x11 cm (48.43x9.84x4.33 in.)	3600-2120 N4
Novartos head (not rounded)	5358-1011 N4

PharmaSpoon | for ultrapure sampling



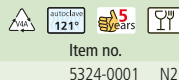
PharmaSpoon for taking samples of powdery substances, intermediate products and material in the pharmaceutical industry. Special materials with excellent surface qualities must be used for this to prevent cross-contamination. Our PharmaSpoon fulfills these requirements. Made of stainless steel AISI 316L (1.4404), surface highly polished by hand (not electro-polished!). The excellent surface properties of the PharmaSpoon provide significant advantages.

- ▶ Possible residues are even visible in the trace sector (μg sector)
- ▶ The surface is easy to clean
- ▶ The PharmaSpoon is also suitable for sterile sampling

The PharmaSpoon was developed by an internationally known pharmaceutical company in Basel, Switzerland, and its usefulness has been confirmed in actual practice.

PharmaSpoon

Total length mm (in.)
650 (25.59)



Item no.
5324-0001 N2

StickProof



Sampler for powder in the pharma area, made of stainless steel AISI 316L, material 1.4404. The especially slender tip can be inserted easily and deeply in order to take the sample. The conical inlet of the tip allows the collection of either very small or larger quantities. StickProof is constructed in one piece without edges, grooves or crevices for perfect and easy cleaning. The sample can be filled directly into the sampling bag from the outlet end. Fasten the bag with a sturdy clamp.

- ▶ Surface electro-polished
- ▶ Various sample quantities up to approx. 50 ml (1.69 oz.)
- ▶ Incl. clamp and 100 PE sampling bags 120x170 mm (4.72x6.69 in.)

Corresponds to ISTA standard for seed lengths of 10 mm (0.39 in.) (wheat, oats) and 5 mm (0.20 in.) (flax, vetches).

StickProof

Length mm (in.)	Dia. mm (in.)	Item no.
410 (16.14)	25 (0.98)	5338-0410 N4
1100 (43.31)	25 (0.98)	5338-1100 N4

Accessories

Description	Item no.
Clamp for sampling bags, \varnothing 25	5338-0001 N2
Packaging bags with closure, 170x120 mm (6.69x4.72 in.), 400 ml (13.53 oz.), 100 pieces close-it seals page 56	2348-0005 N3

Sampling lance Milky | acc. to EN ISO 707



- ▶ Stainless steel AISI 316L (1.4404)
- ▶ Insertion depth 385 mm (15.16 in.)
- ▶ Total length 480 mm (18.90 in.)
- ▶ Outer diameter approx. 28 mm (1.10 in.)

Universal powder and granules sampler made of stainless steel AISI 316L (1.4404).

Developed initially for milk powder samples, conforms to standards of DIN and IDF (International Dairy Federation).

The collector is inserted into bags or casks and the sample is removed using a semi-circular profile lance.



close-it seals and close-it food lock seals ensure non-leak closure of the insertion point in bags and BigBags. See page 56.

Sampling lance Milky

Volume ml (oz.)
150 (5.07)



Item no.
5321-0300 N4

Sampler Tubus



Sampler for pourable bulk goods up to approx. 1 cm (0.39 in.) in diameter. This makes it possible, for example, to remove hazel nuts, blends of tea, grain or similar items from large sacks.

- ▶ Also for coarse-grained bulk goods
- ▶ Made of stainless steel AISI 316L (1.4404)
- ▶ Special geometry of the tip

i Corresponds to ISTA standard for seed lengths of 10 mm (0.39 in.) (wheat, oats) and 5 mm (0.20 in.) (flax, vetches).

Use

1. Insert Tubus into a sack to the desired sampling depth, while keeping the collection tube closed using your hand.
2. When you remove your hand, the sample flows directly through the open tube into the container or sampling bag beneath it.

Sampler Tubus

Length cm (in.)	Dia. mm (in.)	Item no.
40 (15.75)	40 (1.57)	5382-0040 N4
80 (31.50)	40 (1.57)	5382-0080 N4

Accessories

Description
close-it seals page 56

QuickPicker | collects samples quickly and channels them directly into the sampling bottle



The core sampler QuickPicker is particularly suitable in the event that bulk goods are taken directly from sacks or bags and have to be filled into the original sampling bottle directly. QuickPicker is uncomplicated in its use and cleaning. No undercuts or edges mean no sample residues which could falsify subsequent samples. It is therefore ideal for quality control.

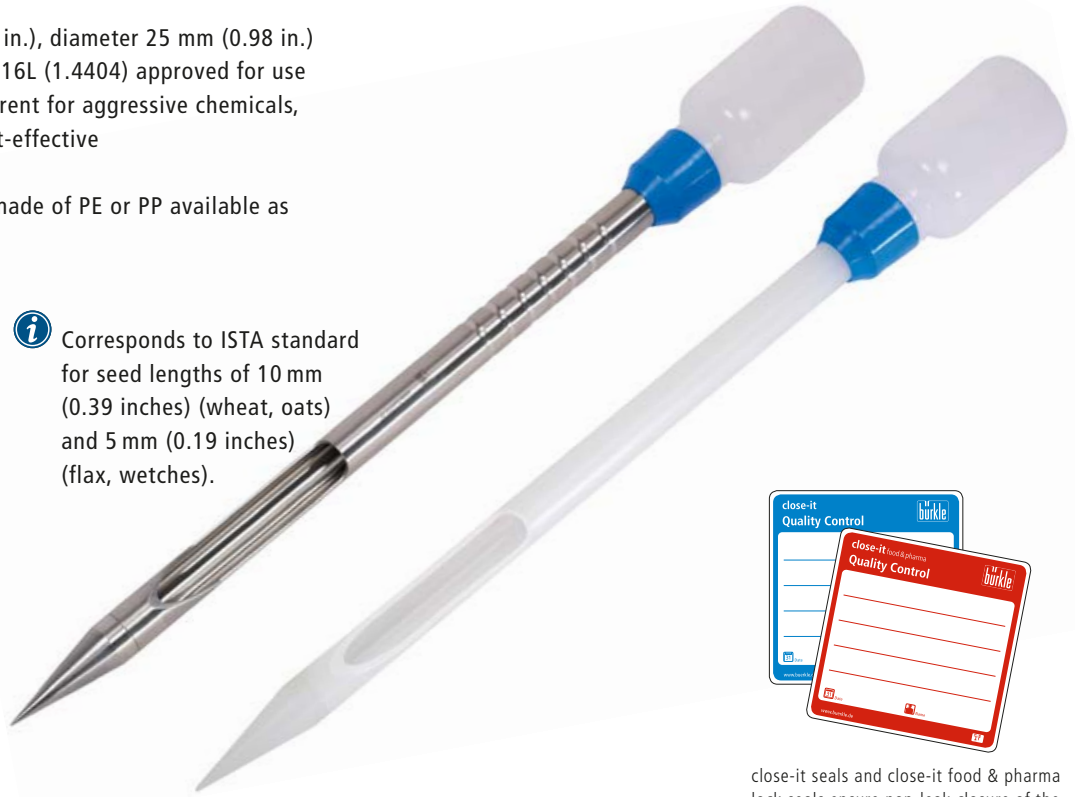
The sampler QuickPicker is delivered complete with two 250 ml (8.45 oz.) PE sample bottles and with a cleaning brush.

QuickPicker | collects samples quickly and channels them directly into the sampling bottle

- ▶ Insertion depth 30 cm (11.81 in.), diameter 25 mm (0.98 in.)
- ▶ Made of stainless steel AISI 316L (1.4404) approved for use with foodstuffs or PP transparent for aggressive chemicals, scratchproof, sterilizable, cost-effective
- ▶ Removable tip, easy cleaning
- ▶ Additional sampling bottles made of PE or PP available as accessories



i Corresponds to ISTA standard for seed lengths of 10 mm (0.39 inches) (wheat, oats) and 5 mm (0.19 inches) (flax, wetches).



close-it seals and close-it food & pharma lock seals ensure non-leak closure of the insertion point in bags and BigBags. See page 56.

QuickPicker AISI 316L in use

QuickPicker								
Material	Insertion depth mm (in.)	Total length cm (in.)	Volume ml (oz.)	Item no.				
AISI 316L	300 (11.81)	50 (19.69)	75 (2.54)	5322-1300 N4				
PP, transparent	300 (11.81)	50 (19.69)	75 (2.54)	5322-0300 N4				
Accessories								
Description								Item no.
Sampling bottle LDPE, 250 ml (8.45 oz.)								0318-0250 N3
Sampling bottle PP, 250 ml (8.45 oz.)								0319-0250 N3
Transport case for QuickPicker								3600-3000 N3
close-it control seals see page 56								

close-it control seal | essential for sampling bulk goods

- ▶ The labels are supplied in handy rolls
- ▶ The cross perforations allow each label to be separated from the roll individually
- ▶ close-it – standard size 95 x 95 mm (3.74 x 3.74 in.)
- ▶ close-it Maxi – 150 x 150 mm (5.91 x 5.91 in.), for larger holes or longer tears in containers



close-it control seal | essential for sampling bulk goods

Taking samples from sacks, boxes, bags, etc. with sampling lances is a common and time-proven practice. This produces holes through which easily flowing bulk goods could escape from the container. With the close-it seal, this can be prevented in an uncomplicated manner.

close-it has been especially developed for this purpose. The label has a sandwich-type structure (aluminum/paper) and seals the container hermetically (vapor barrier). This virtually prevents hygroscopic powders from clumping together. The label is not just used to provide a hermetic seal. It is also used for providing quality control information (sampling date, release yes/no, name of tester, etc.). The labels are available in different colors. With printing in red, blue, green, yellow, black, neutral, without printing in white.

close-it can be written on with ball-point pen, pencil or felt-tip marker.

The rear of the label is coated with a powerful adhesive. This means that close-it sticks firmly to most commercial containers, even to surfaces coated with fine powder, slightly moist or even frozen surfaces where conventional labels or adhesive tape will not stick.



Control seal close-it 95x95 (3.74x3.74)

Color	Model	W x H mm (in.)	Pieces per roll	Item no.
red	printed	95 x 95 (3.74 x 3.74)	500	5303-0012 N4
yellow	printed	95 x 95 (3.74 x 3.74)	500	5303-0014 N4
blue	printed	95 x 95 (3.74 x 3.74)	500	5303-0015 N4
green	printed	95 x 95 (3.74 x 3.74)	500	5303-0016 N4
black	printed	95 x 95 (3.74 x 3.74)	500	5303-0011 N4
white	unprinted	95 x 95 (3.74 x 3.74)	500	5303-0002 N4

Accessories

Description	Item no.
close-it dispenser for labels with 95 x 95 mm (3.74 x 3.74 in.)	5303-9000 N4

Control seal close-it maxi 150x150 (5.91x5.91)

Color	Model	W x H mm (in.)	Pieces per roll	Item no.
red	printed	150 x 150 (5.91 x 5.91)	250	5303-1012 N4
yellow	printed	150 x 150 (5.91 x 5.91)	250	5303-1014 N4
blue	printed	150 x 150 (5.91 x 5.91)	250	5303-1015 N4
green	printed	150 x 150 (5.91 x 5.91)	250	5303-1016 N4
black	printed	150 x 150 (5.91 x 5.91)	250	5303-1011 N4
white	unprinted	150 x 150 (5.91 x 5.91)	250	5303-1002 N4

Accessories

Description	Item no.
close-it dispenser for labels with 150 x 150 mm (5.91 x 5.91 in.)	5303-9100 N4

Control seal close-it food & pharma

In response to numerous requests from our customers, we have developed close-it food & pharma, a control seal with an adhesive approved for use with foodstuffs. The strength of the adhesive is almost as powerful as that of the original, the close-it from Bürkle, proven millions of times. close-it food & pharma also reliably prevents products from leaking out after sampling.

The adhesive complies with the European guidelines for foodstuffs. Just like the original, close-it food & pharma has a barrier layer of aluminum foil. This means that close-it food & pharma is suitable for sampling foodstuffs, pharmaceuticals, cosmetics, food additives, even frozen goods – in short, for all applications in which cleanliness is particularly important.

- ▶ According to FDA Guidelines
- ▶ Particularly suited for the food and pharma industry



Control seal close-it food & pharma 95x95 (3.74x3.74)

Color	Model	W x H mm (in.)	Pieces per roll	Item no.
red	printed	95 x 95 (3.74 x 3.74)	500	5303-2017 N4
yellow	printed	95 x 95 (3.74 x 3.74)	500	5303-2020 N4
blue	printed	95 x 95 (3.74 x 3.74)	500	5303-2021 N4
green	printed	95 x 95 (3.74 x 3.74)	500	5303-2022 N4
black	printed	95 x 95 (3.74 x 3.74)	500	5303-2023 N4
white	unprinted	95 x 95 (3.74 x 3.74)	500	5303-2018 N4

Accessories

Description	Item no.
close-it dispenser for labels with 95 x 95 mm (3.74 x 3.74 in.)	5303-9000 N4

Control seal close-it food & pharma Maxi 150x150 (5.91x5.91)

Color	Model	W x H mm (in.)	Pieces per roll	Item no.
red	printed	150 x 150 (5.91 x 5.91)	250	5303-3017 N4
yellow	printed	150 x 150 (5.91 x 5.91)	250	5303-3020 N4
blue	printed	150 x 150 (5.91 x 5.91)	250	5303-3021 N4
green	printed	150 x 150 (5.91 x 5.91)	250	5303-3022 N4
black	printed	150 x 150 (5.91 x 5.91)	250	5303-3023 N4
white	unprinted	150 x 150 (5.91 x 5.91)	250	5303-3018 N4

Accessories

Description	Item no.
close-it dispenser for labels with 150 x 150 mm (5.91 x 5.91 in.)	5303-9100 N4





Besides the individually detachable close-it and close-it food & pharma closure labels, our repeatedly tested and proven control seal is now also available on a continuous roller. This helps you discover whether you require only a small piece, for example for closing a small hole, or for marking a specific point. Or whether you want to repair a long crack or a large hole quickly, reliably and easily. With its extremely strong adhesive strength, close-it^{tape} holds on the most diverse bases, where the glue effect of normal adhesive tape quickly reaches its maximum capacity.

For universal use, we have kept the adhesive tape close-it tape in white with tear-off lines. It can be labeled with permanent ink and locks gas-proof. Available in the classic close-it design, as well as close-it^{tape} food & pharma, with a food-compatible adhesive.

- ▶ Customizable
- ▶ Different designs
- ▶ For larger holes or longer tears in containers

close-it^{tape}

Width mm (in.)	Model	Length m (ft.)	Item no.
95 (3.74)	standard	50 (164.04)	5303-0017 N4
150 (5.91)	standard	50 (164.04)	5303-1017 N4
95 (3.74)	food & pharma	50 (164.04)	5303-2019 N4
150 (5.91)	food & pharma	50 (164.04)	5303-3019 N4

Accessories

Description	Item no.
close-it dispenser for labels with 95 x 95 mm (3.74 x 3.74 in.)	5303-9000 N4
close-it dispenser for labels with 150 x 150 mm (5.91 x 5.91 in.)	5303-9100 N4

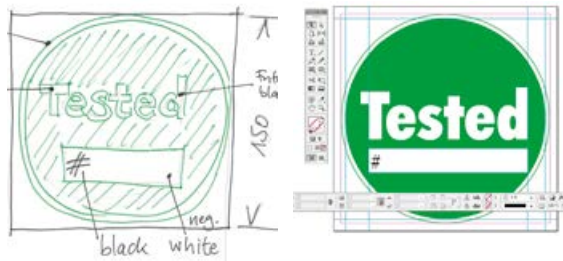
close-it | with individual customer-specific special printing

Custom-made according to the customer's specifications

The close-it control seal has many satisfied users who use close-it as a control seal, for documentation or as an informative label.

Your individual close-it

We would be happy to help you design your own close-it. Do you need final artwork for your draft? Or would you like to use our complete graphics service from draft stage through the print process? Our advertising department would be happy to consider any challenge!



Your idea

Our draft



Finishing and print

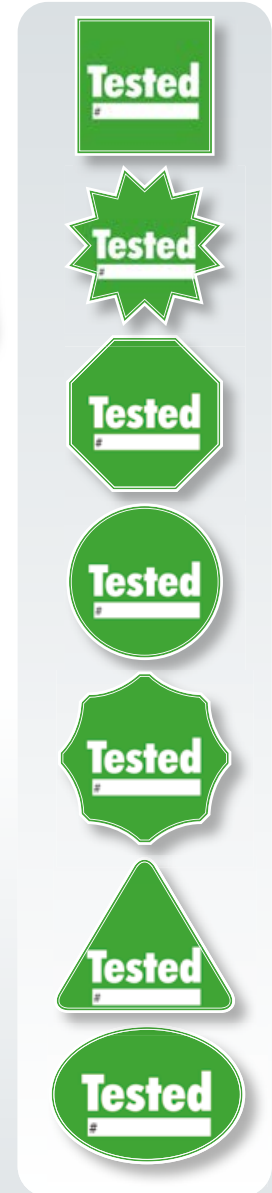
Your close-it label

Shape and color

Round, square, rectangular or other shape? Unusual contours can also be implemented! We would be pleased to provide you with a quote. Of course print is available in all colors, with either single or multiple colors.

Finishing

close-it can be manufactured with or without carrier paper perforations. Different numbers of close-it labels can be supplied in a single roll.



seal-it security seal | for retention samples



Retention samples are kept to provide a sample for comparison at a later date. The unambiguous proof that the retention sample is identical to the original sample is only possible with clearly marked and sealed containers. However, sealing is frequently not possible unless eyelets are present. seal-it provides the solution! The seal-it self-adhesive label sticks to all conventional containers. Thanks to its unbelievable adhesive power it cannot be removed.

If a container opening is closed with seal-it, then the container cannot be opened without destroying the seal-it label. seal-it is additionally provided with several cross-perforations which immediately tear when manipulated like a motorcar tax disk.

seal-it can be used to securely seal bottles, sample bags, sacks, specimen bags, envelopes, etc. – in principle any type of container. The aluminum foil adapts seal-it to any container shape. The white labeling field on seal-it can be written on with all conventional writing tools with, for example, contents information, sampling date, name of operator, etc.

- ▶ Clear identification via numbers in sequence
- ▶ Integrated control label with the same number, for accompanying documents
- ▶ Format 178 mm long (7.01 in.), 30 mm (1.18 in.) wide
- ▶ Tear-off perforation for each label

seal-it security seal

Length mm (in.)	Width mm (in.)	Color	Pieces per roll	Item no.
178 (7.01)	30 (1.18)	red	500	5399-0003 N4

close-it dispenser



The close-it dispenser ensures safe storage and simple removal of the labels. The labels can be conveniently written on due to the marking plate.

- ▶ For close-it standard size 95 x 95 mm (3.74 x 3.74 in.) or close-it Maxi 150 x 150 mm (5.91 x 5.91 in.)

close-it dispenser

Model	Item no.
for labels with 95 x 95 mm (3.74 x 3.74 in.)	5303-9000 N4
for labels with 150 x 150 mm (5.91 x 5.91 in.)	5303-9100 N4

Tamper proof labels safe-it

The safety label safe-it is used as originality seal and as protection from manipulations of e.g. samples, retention samples, for transporting samples, sealing containers with important or dangerous chemicals in the lab as well as sealing letters, shipments and much more.

The initial opening of a package is made obvious and irrevocably visible with the seal guaranteeing originality, unauthorized opening can therefore be proven.

If the safety label is removed, it divides into separate layers. A pattern that was previously hidden appears on the surface and is irreversible. The glue leaves a residue on the surface that cannot be removed (a so-called void label). Once the label has been removed, it cannot be used again. Changing the label or modifying it afterwards are therefore not possible.

When the safe-it security seal has been broken, a silver checkerboard pattern appears on both the subsurface and surface of the sticker itself.

- ▶ With checkerboard pattern
- ▶ Visible proof of tampering



Tamper proof labels safe-it

W x H mm (in.)	Pieces per roll	Item no.
95 x 20 (3.74 x 0.79)	500	5303-5000 N4

Accessories

Description	Item no.
close-it dispenser for labels with 95 x 95 mm (3.74 x 3.74 in.)	5303-9000 N4

SampleSafe seal | secure your samples



Retained samples must be always secured against falsification and ambiguity in identification. Bottles with sealing eyelets should therefore be secured with SampleSafe seals.

The seals are made of stable polypropylene. The seals are to be uniquely identified with the serial 9-digit number.

The seal ring has a diameter of 2 mm (0.08 in.), therefore SampleSafe seals also fit through small eyelets and slits. The seal tape is secured in the closure chamber by a metal insert made of stainless spring steel. The one-way tightening mechanism offers additional security against manipulation. It is not possible to forcibly open or manipulate the closure of the seal without leaving behind clear traces.

- ▶ Clear identification via numbers in sequence
- ▶ 100 seals (10 strips) per pack.
- ▶ Protection against manipulation by stainless steel safety spring.

SampleSafe seal

Length mm (in.)	Dia. mm (in.)	Color	Pieces per pack	Item no.	
260 (10.24)	2 (0.08)	red	100	5399-2902	N4

Sealable wide-necked bottles



Sturdy bottle with sealing eyelets on the screw cap and the bottle. Particularly suited for sending samples. Seals provide increased sample authenticity. Easy to fill due to wide opening. Particularly suitable for viscous media, powder, granules and pastes.

- ▶ HDPE
- ▶ Leakproof
- ▶ Easy to fill due to wide-necked opening

Sealable wide-necked bottles

Capacity ml (oz.)	Container dia. mm (in.)	Neck dia. inside mm (in.)	Height with cap mm (in.)	Item no.				
250 (8.45)	64 (2.52)	26.5 (1.04)	118 (4.65)	0322-0250	N3			
500 (16.91)	78 (3.07)	40 (1.57)	147 (5.79)	0322-0500	N3			
1000 (33.81)	100 (3.94)	50 (1.97)	186 (7.32)	0322-1000	N3			
2000 (67.63)	120 (4.72)	50 (1.97)	230 (9.06)	0322-2000	N3			

Accessories

Description	Item no.
SampleSafe seal, red, 100 pieces	5399-2902 N4

Pigment lance

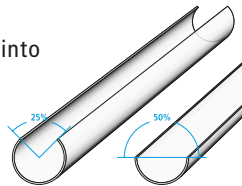


Pigment lance to sample pigments, pastes and agglomerating bulk goods.

- ▶ With half-open flute 50 %, for heavily sticking products
- ▶ With quarter-open flute 25 %, for lightly sticking products
- ▶ Stainless steel AISI 316L (1.4404)
- ▶ 30 mm (1.18 in.) Ø

Use

1. Insert the lance to the required depth.
2. Turn the handle, the sample is collected into the open flute.
3. Pull back the lance.
4. Take out the sample.



Pigment lance

Flute length mm (in.)	Flute openings %	Volume ml (oz.)	Total length mm (in.)	Item no.	
300 (11.81)	25	145 (4.90)	432 (17.01)	5369-0300	N4
300 (11.81)	50	85 (2.87)	432 (17.01)	5369-0310	N4
600 (23.62)	25	312 (10.55)	732 (28.82)	5369-0600	N4
600 (23.62)	50	179 (6.05)	732 (28.82)	5369-0610	N4
900 (35.43)	25	480 (16.23)	1032 (40.63)	5369-0900	N4
900 (35.43)	50	273 (9.23)	1032 (40.63)	5369-0910	N4

Valve lance



Sampler for all-layer samples of viscous, paste-like, semi-liquid substances, according to DIN 51750 pt. 3 and DIN EN ISO 15528. Different layers remain intact particularly with paste-like substances.

- ▶ Stainless steel AISI 316L (1.4404)
- ▶ 32 mm (1.26 in.) Ø
- ▶ Optimized opening mechanism (can be completely disassembled) for easy cleaning

Use

For viscous substances:

1. The valve lance is inserted all the way to the bottom, whilst being closed.
2. It is opened, closed and pulled out again.

For paste-like substances:

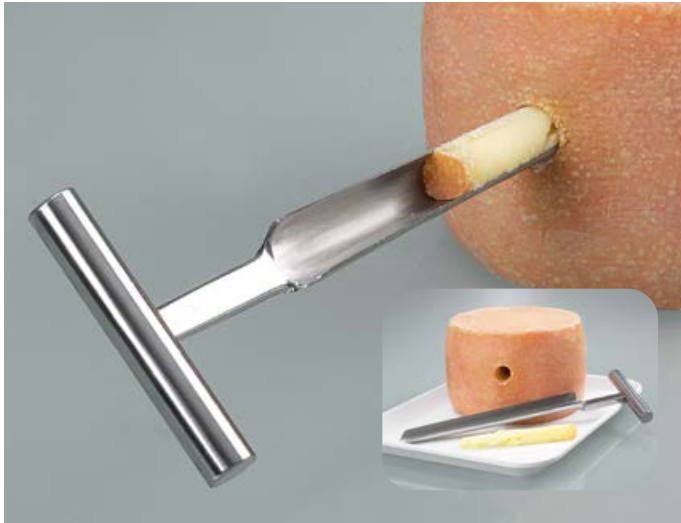
1. The valve lance is inserted all the way to the bottom, whilst being open.
2. It is closed and pulled out again.

Valve lance

Length mm (in.)	Item no.	
550 (21.65)	5359-1600	N4
800 (31.50)	5359-1800	N4

Accessories	
Description	Item no.
Transport case LxWxH 123x25x11 cm (48.43x9.84x4.33 in.)	3600-2120

QualiRod conical



Conical hand-drill, conically shaped, with sharp cutting edges and a solid handle. Ideal for cutting out samples for quality control from soft, paste-like substances (cheese, butter, clay, soap, wax, etc.).

- ▶ Stainless steel AISI420B (1.4028)
- ▶ Sterilizable
- ▶ According to EN/ISO 707

QualiRod conical

Drilling depth mm (in.)	Item no.	ISO 1219	DIN	ISO 11
110 (4.33)	5311-0001		N4	
150 (5.91)	5311-0002		N4	

Accessories

Description	Item no.
Transport case, inner dimensions 258x178x45 mm (10.16x7.01x1.77 in.) close-it seals page 56	3600-0021 N3

QualiRod cylindrical



Cylindrical hollow drill with a sharp cutting edge, can easily be driven into paste-like and semi-solid substances. The samples cut out are subsequently removed with the appropriate push-rod ejector. Total length 260 mm (10.24 in.). Inner Ø 8 mm (0.31 in.), outer Ø 10 mm (0.39 in.).

- ▶ Stainless steel AISI 304 (1.4301)
- ▶ Sterilizable
- ▶ Inner Ø 8 mm (0.31 in.), outer Ø 10 mm (0.39 in.)

QualiRod cylindrical

Drilling depth mm (in.)	Item no.	ISO 1219	ISO 11
200 (7.87)	5311-0101		N4

Accessories

Description	Item no.
Transport case, inner dimensions 258x178x45 mm (10.16x7.01x1.77 in.)	3600-0021 N3

Stainless steel spatula



Sample spatula made of stainless steel AISI 316L (1.4404). The highly stable and solid design of the spatula allows it to pierce solid substances or sacks and BigBags. The spatula is made of premium stainless steel, high-gloss polished and completely welded, thus completely free of undercuts. It is therefore ideally suited for taking samples of powders, granulates and pasty media, especially in food and pharmaceutical applications.

- ▶ Made completely of stainless steel AISI 316L (1.4404)
- ▶ Very sturdy
- ▶ Easy to clean
- ▶ Autoclavable
- ▶ Can be flame-sterilized
- ▶ High-gloss polished

Stainless steel spatula			
Insertion depth mm (in.)	Volume ml (oz.)	Total length mm (in.)	Item no.
188 (7.40)	50 (1.69)	300 (11.81)	5383-1000 N4

Stainless steel scoop



In contrast to conventional scoops, the stainless steel scoop has no openings, undercuts or crevices in which residues could collect. Pore-free finishing produced by high-quality laser welding seams. The stainless steel scoop can be flame-sterilized and can therefore be made completely germ-free.

- ▶ Scoop made of stainless steel AISI 304 (1.4301), complete with rod
- ▶ Sterilizable by flame sterilization or steam sterilization



Stainless steel scoop		
Total length cm (in.)	Capacity ml (oz.)	Item no.
115 (45.28)	1000 (33.81)	5354-1000 N4

PTFE Scoop



All parts coming into contact with the sample medium are made of pure white PTFE. Completely inert against all substances (with the exception of elementary fluoride). The rod is stabilized with a steel core which is completely encapsulated in PTFE. The 60 cm (23.62 in.) long rod can be extended to 120 cm (47.24 in.) by adding another component. The scoop PTFE with 10 ml (0.34 oz.) has a strong rod with a length of 155 mm (6.10 in.).

PTFE Scoop

Capacity ml (oz.)	Dia. mm (in.)	Height mm (in.)	Item no.
10 (0.34)	25 (0.98)	34 (1.34)	5389-0010 N2
100 (3.38)	55 (2.17)	65 (2.56)	5389-0100 N2
250 (8.45)	70 (2.76)	95 (3.74)	5389-0250 N2
500 (16.91)	80 (3.15)	125 (4.92)	5389-0500 N2
1000 (33.81)	105 (4.13)	155 (6.10)	5389-1000 N2

Accessories

Description	Item no.
Extension for PTFE scoop, 60 cm (23.62 in.)	5389-0001 N2

Mini ViscoSampler | for small quantities



Sampler for viscous substances such as pastes, mud, creams, oils. The sample is drawn in using the pump rod and directly conveyed to a sampling container. Easy cleaning for flawless sampling. Depending on the viscosity, the removable suction tip can be fitted with suction drills of 2 mm to 6 mm (0.08 to 0.24 in.).

- ▶ Stainless steel AISI 316L (1.4404), piston PTFE
- ▶ Sterilizable
- ▶ Ideal for the pharmaceutical and cosmetics industry
- ▶ Incl. suction tip 2 mm (0.08 in.)
- ▶ 15 mm (0.59 in.) Ø

Mini ViscoSampler

Length cm (in.)	Chamber volume ml (oz.)	Item no.
60 (23.62)	30 (1.01)	5341-1060 N4
100 (39.37)	50 (1.69)	5341-1100 N4
150 (59.06)	75 (2.54)	5341-1150 N4

Accessories

Description	Item no.
Suction heads for Mini ViscoSampler, suction drill 2 mm (0.08 in.)	5341-1002 N4
Suction heads for Mini ViscoSampler, suction drill 4 mm (0.16 in.)	5341-1004 N4
Suction heads for Mini ViscoSampler, suction drill 6 mm (0.24 in.)	5341-1006 N4
Drain safety stand	5618-1000 N4



ViscoSampler | sample collector for medium viscosity substances



ViscoSampler with powerful suction for viscous media. The media is drawn up and discharged using the suction flask. Made of ultra-pure, chemically inert PTFE/FEP for contamination-free sampling. Specially developed for viscous substances such as slurries, silt, wet clay and soil samples, soil sediments, oils, emulsions, creams etc.

Easy cleaning - all surfaces are poreless and without crevices. Dirt accumulation is prevented. Only round screw threads tried and tested in the field of food hygiene are used. Disassembly and cleaning are extremely simple.



QualiSampler set

The handy set, which comes complete with carrying case, combines the LiquiSampler and the ViscoSampler with practical accessories.

Models in PP or PTFE/FEP.

- ▶ QualiSampler set consisting of:
- ▶ LiquiSampler, 100 cm (39.37 in.)
- ▶ ViscoSampler, 100 cm (39.37 in.)
- ▶ Case, five bottles, cleaning brush

QualiSampler set

Material	Item no.
PP	5330-1000 N4
PTFE / FEP	5330-1001 N4

ViscoSampler

Material	Volume ml (oz.)	Immersion depth cm (in.)	Dia. mm (in.)	Item no.
PP, transparent	160 (5.41)	60 (23.62)	32 (1.26)	5331-1060 N4
PP, transparent	300 (10.14)	100 (39.37)	32 (1.26)	5331-1100 N4
PP, transparent	650 (21.98)	200 (78.74)	32 (1.26)	5331-1200 N4
PTFE/FEP, transparent	160 (5.41)	60 (23.62)	32 (1.26)	5331-2060 N4
PTFE/FEP, transparent	300 (10.14)	100 (39.37)	32 (1.26)	5331-2100 N4
PTFE/FEP, transparent	650 (21.98)	200 (78.74)	32 (1.26)	5331-2200 N4



Accessories

Description	Item no.
Cleaning brushes 25 mm (0.98 in.) dia., length 100 cm (39.37 in.)	5304-0100 N4
Drain safety stand	5618-1000 N4

LiquiSampler | sample collector for liquids



LiquiSampler for liquids, according to DIN EN ISO 15528. Made of ultra pure and chemically inert PTFE/FEP or PP for contamination-free sampling.

Sampling from open and closed containers, barrels, tanks, silos, water courses. Suitable for all commercially available barrels and containers with opening of at least 32 mm (1.26 in.) in diameter.

Easy cleaning - all surfaces are free of pores and crevices, preventing accumulation of dirt. Only round screw threads proven in foodstuffs hygiene are used. Disassembly and cleaning are extremely simple.

- ▶ Practical one-handed use at the push of a button
- ▶ With scraping ring for marking of depth and cleaning
- ▶ Transparent
- ▶ Available in PTFE/FEP or PP transparent
- ▶ Point sampling, all-layer sampling and bottom sampling possible

Use

All-layer sample

1. Slowly insert the LiquiSampler into the liquid with the button pressed.
2. Release the push-button, the valve closes.
3. Withdraw the lance and take out the sample.

Point sampling/bottom sample

1. Insert the LiquiSampler to the targeted point/to the ground with closed valve.
2. Press the button - the liquid flows in.
3. Release the push-button, the valve closes.
4. Pull out the LiquiSampler, take out the sample.



LiquiSampler							
Material	Volume ml (oz.)	Immersion depth cm (in.)	Dia. mm (in.)	Item no.			
PP, transparent	150 (5.07)	60 (23.62)	32 (1.26)	5330-1060	N4		
PP, transparent	250 (8.45)	100 (39.37)	32 (1.26)	5330-1100	N4		
PP, transparent	500 (16.91)	200 (78.74)	32 (1.26)	5330-1200	N4		
PTFE/FEP, transparent	150 (5.07)	60 (23.62)	32 (1.26)	5330-2060	N4		
PTFE/FEP, transparent	250 (8.45)	100 (39.37)	32 (1.26)	5330-2100	N4		
PTFE/FEP, transparent	500 (16.91)	200 (78.74)	32 (1.26)	5330-2200	N4		
Accessories							
Description				Item no.			
Cleaning brushes 25 mm (0.98 in.) dia., length 100 cm (39.37 in.)				5304-0100 N4			

Dip Sampler, plunging siphon



Dip sampler for simple removal of liquid samples. Good view due to transparent tubes. Upper end with reflux valve, lower end with ball valve.

- ▶ PP, transparent
- ▶ Dip sampler, item no. 5315-0200, steplessly extendable from 100 cm (39.37 in.) to 200 cm (78.74 in.)
- ▶ All-layer and point sampling possible



Use

All-layer sample

1. Insert the dip sampler slowly into the liquid with the valve open.
2. Close valve.
3. Pull the dip sampler back and take out the sample.

Point sample/bottom sample

1. Insert the dip sampler to the targeted point/to the ground with closed valve.
2. Open the valve - the liquid flows in.
3. Close the valve.
4. Pull out the dip sampler, take out the sample.



Dip Sampler, plunging siphon

Volume ml (oz.)	Immersion depth cm (in.)	Tube Ø mm (in.)	Item no.
140 (4.73)	50 (19.69)	25 (0.98)	5315-0050 N4
280 (9.47)	100 (39.37)	25 (0.98)	5315-0100 N4
500 (16.91)	100 - 200 (39.37 - 78.74)	25 (0.98)	5315-0200 N4

Chemistry scoop



Scoop for aggressive liquids, complete with strong handle, entirely made of polypropylene.

- ▶ Rod length 100 cm (39.37 in.), Ø 20 mm (0.79 in.)
- ▶ Without metal parts

Chemistry scoop

Capacity ml (oz.)	Item no.	
250 (8.45)	5353-0250	N4
600 (20.29)	5353-0500	N4
1000 (33.81)	5353-1000	N4

Stainless steel scoop



In contrast to conventional scoops, the stainless steel scoop has no openings, undercut or crevices in which residues could collect. Pore-free finishing produced by high-quality laser welding seams. The stainless steel scoop can be flame-sterilized and can therefore be made complete-germ-free.



ly

- ▶ Scoop made of stainless steel AISI 304 (1.4301), complete with rod
- ▶ Sterilizable by flame sterilization or steam sterilization



Stainless steel scoop

Total length cm (in.)	Capacity ml (oz.)	Item no.		
115 (45.28)	1000 (33.81)	5354-1000	N4	

Liquid-Sampler | single hand operation

Sampler for thin to viscous liquids. Easy use with one-handed operation. With discharge funnel for safe filling of the sample bottles.



► Material AISI 316L (1.4404)



The valve is opened with the thumb to empty the sample.



The valve is opened by attaching the sample container to empty the sample.



Liquid-Sampler, open with thumb

Total length cm (in.)	Container dia. mm (in.)	Capacity ml (oz.)	Item no.	
46 (18.11)	32 (1.26)	50 (1.69)	5326-0001	N4
54 (21.26)	32 (1.26)	100 (3.38)	5326-0002	N4

Liquid-Sampler, place onto bottle

Container dia. mm (in.)	Total length cm (in.)	Capacity ml (oz.)	Item no.	
32 (1.26)	45.5 (17.91)	50 (1.69)	5326-0003	N4
32 (1.26)	53.5 (21.06)	100 (3.38)	5326-0004	N4

Sampler Liquid CupSampler



Use

1. Place the collector at the desired depth.
2. Open the lid using the handle. The liquid flows in.
3. Close the filled collector and remove it.
4. Empty the sample into the sample bottle.

It is possible to carry out point sampling of liquids of varying viscosity with the stainless steel AISI 316L (1.4404) Liquid CupSampler. Media-containing particles can also be sampled without difficulty. The sampler can be used in the fields of chemistry, foodstuffs and cosmetics.

The cup can be unscrewed from the stem, allowing easy cleaning.



Sampler Liquid CupSampler

Capacity ml (oz.)	Container dia. mm (in.)	Total length cm (in.)	Item no.
100 (3.38)	55 (2.17)	100 (39.37)	5357-0001 N4



ChemoSampler | for acids, alkalis, detergents



The ChemoSampler was developed for sampling aggressive liquids, e.g. acids, alkalis, detergents. The samples are drawn directly into the screw-on original sampling bottle. The tamper-proof bottle closure of these bottles with original safety ring ensures unadulterated sample transport. Samples can be taken from depths of as much as 200 cm (78.74 in.), e.g. from tanks, silos or tankers, by using the extension rod.

- ▶ PP, gray
- ▶ Resistant to acids and alkalis
- ▶ Incl. sample bottle PE 1000 ml (33.81 oz.)
- ▶ Extension rod 100 cm (39.37 in.) and two bottle sizes available as accessories.

! Attention! Make sure to pay attention to the "List of Chemical Resistance"!

ChemoSampler

Item no.	
5336-1000	N4

Accessories

Description	Item no.
Extension for ChemoSampler 100 cm (39.37 in.)	5336-0100 N4
Sampling bottle PE, 500 ml (16.91 oz.)	0342-0500 N3
Sampling bottle PE, 1000 ml (33.81 oz.)	0342-1000 N3

TeleScoop | for industry and water treatment



② **Angular beaker**
The beaker is adaptable to different container shapes by adjustable angle setting (up to 90°).

▶ Polypropylene



③ **Pendulum beaker PP**
This beaker automatically swings to a horizontal position. Nothing can be spilt. Suitable therefore for deep and narrow shafts (Ø 150 mm (5.91 in.)).

▶ Polypropylene



④ **Pendulum beaker stainless steel**
This beaker automatically swings to a horizontal position. Nothing can be spilt. Suitable therefore for deep and narrow shafts (Ø 130 mm (5.12 in.)).

▶ Stainless steel AISI 304 (1.4301)

TeleScoop is a versatile sampling system with exchangeable tools for a wide range of applications. The tools (angular beaker, pendulum beaker, bottle holder, stainless steel beaker and dip net) are attached to the telescopic rod by a practical snap-in joint. Ideal for sampling from baths, tanks, shafts, open water courses etc. Sampling depths down to 6 m (19.69 ft.) can be reached with the adjustable telescopic aluminum rod.

▶ For industry and water treatment

① Telescopic rod

Different tools can be attached to the telescopic rod (snap-in joint). The individual rods have been provided with an end stop. This means that one rod cannot accidentally slip out of another rod. The telescopic rods cannot be rotated radially, which means even better handling! Telescopic rod 5355-0280, extremely short model – yet extendable up to 280 cm (110.24 in.). Fits into every car trunk!

- ▶ Increased telescopic rod rigidity by using cold-rolled profile rod
- ▶ Springs made of stainless steel



TeleScoop | for industry and water treatment



⑤ Bottle holder
Holds all bottles up to 88 mm (3.46 in.) Ø. Plastic, glass or metal bottles can be securely filled in this way. Angle steplessly adjustable up to 90°.

- ▶ With universal quick tightening strap
- ▶ Polypropylene/PA



⑥ Stainless steel beaker
Beaker with scraper, contents 1000 ml (33.81 oz.). Ideal for powder, granules, pastes, mud.

- ▶ Sterilizable
- ▶ Stainless steel AISI 304 (1.4301)



⑦ Beaker, extended
Sampling dipper made of stainless steel V2A (1.4301) with extended, completely closed handle.

- ▶ Closed handle with immersion depth up to approx. 50 cm (19,68 in.)
- ▶ Beaker capacity 1000 ml (33,81 oz.)



⑧ Surface catch net
Catch net for taking solid and organic samples from water courses.

- ▶ PVC/PA blue
- ▶ L 310 x W 280 mm (12.20 x 11.02 in.)
- ▶ Mesh width 2–5 mm (0.08–0.20 in.)



⑨ Depth catch net
Catch net for taking solid and organic samples from water courses.

- ▶ PP/PA blue
- ▶ L 190 x W 430 mm (7.48 x 16.93 in.)
- ▶ Net depth 250 mm (9.84 in.)
- ▶ Mesh width 2–5 mm (0.08–0.20 in.)

① Telescopic rod

Length infinitely variable from	No. of rods	Item no.	
65-120 cm (25.59-47.24 in.)	2	5355-0120	N4
70-180 cm (27.56-70.87 in.)	4	5355-0180	N4
125-250 cm (49.21-98.43 in.)	2	5355-0250	N4
95-280 cm (37.40-110.24 in.)	4	5355-0280	N4
115-300 cm (45.28-118.11 in.)	3	5355-0300	N4
165-450 cm (64.96-177.17 in.)	3	5355-0450	N4
175-600 cm (68.90-236.22 in.)	4	5355-0600	N4

Model	Capacity ml (oz.)	Item no.
② Scoop angular beaker	600 (20.29)	5354-0050 N4
② Scoop angular beaker	1000 (33.81)	5354-0100 N4
② Scoop angular beaker	2000 (67.63)	5354-0200 N4
③ Pendulum beaker PP	600 (20.29)	5354-5050 N4
③ Pendulum beaker PP	1000 (33.81)	5354-5100 N4
③ Pendulum beaker PP	2000 (67.63)	5354-5200 N4
④ Pendulum beaker AISI 304	1000 (33.81)	5354-3000 N4
⑤ Bottle holder	750 (25.36)	5354-4100 N4
⑥ Stainless steel beaker	1000 (33.81)	5354-2000 N4
⑦ Stainless steel beaker, extended	1000 (33.81)	5354-2010 N4
⑧ Surface catch net		5354-5020 N4
⑨ Depth catch net		5354-5010 N4

MiniSampler | taking samples – comfortable, quick and clean sampling



With the vacuum sampler MiniSampler, the sample liquid only comes into contact with the suction hose and the original sample bottle. The possibility of cross-contamination is greatly reduced. Immediately after taking the sample, the bottles are sealed. The disposable suction hose can quickly be replaced. This guarantees that the samples are never contaminated. If necessary, a new hose can be used for every single sample.

Due to its small diameter (8 mm (0.31 in.)), the hose can reach narrow, seemingly inaccessible sampling areas.

Two models:

PE MiniSampler for general sampling, max. suction height 5 m* (16.40 ft.)*

PTFE MiniSampler for ultra-pure sampling, max. suction height 5 m* (16.40 ft.)*

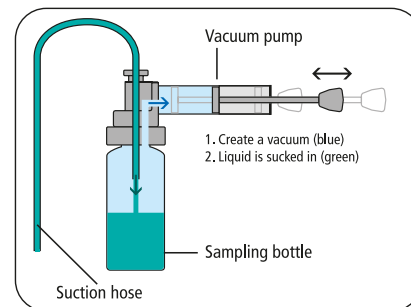
* depending on the medium

- ▶ Also suitable for viscous oils
- ▶ Complete in a handy transport case

Use

1. Insert the hose and the bottle into the pump.
2. Insert hose end to desired sample depth.
3. Move the pump piston back and forth and collect the sample.
The liquid flows directly into the bottle.
4. Take off the filled bottle, close and label it.

⚠ Not for aggressive acids. Vapors could destroy pump.



MiniSampler PE | for general sampling



Ideal for general sampling from barrels, canisters, tanks etc. MiniSampler PE complete with accessories in transport case, contents: Vacuum pump, 10 PE bottles 100 ml (3.38 oz.), 10 m (32.81 ft.) PE suction hose 6 x 8 mm (0.24 x 0.31 in.), 1 hose cutter, 1 stainless steel hose weight made of AISI 304 (1.4301)/brass nickel-plated, 20 seal-it bottle seals.

MiniSampler PE			
Item no.	5305-0100		N4
Accessories			
Description	Item no.		
MiniSampler pump with adapter PP	5305-0010	N4	
MiniSampler standard pump	5305-0011	N4	
PTFE MiniSampler adapter for glass thread GL 45	5305-0209	N4	
MiniSampler adapter PTFE for sample tubes PFA 6205-0180	5305-1020	N2	
Hose cutter	0006-9506	N3	
Sampling bottle HDPE, 100 ml (3.38 oz.)	0340-0100	N3	
Sampling bottle HDPE, 250 ml (8.45 oz.)	0340-0250	N3	
Suction hose PE on roll 6 x 8 mm (0.24 x 0.31 in.), roll with 10 m (32.81 ft.)	8805-0608	N3	
Suction hose PE on roll 6 x 8 mm (0.24 x 0.31 in.), roll with 100 m (328.08 ft.)	8878-0608	N3	

MiniSampler PTFE | for ultrapure sampling



Ideal when maximum purity is needed. MiniSampler PTFE complete with accessories in its transport case, contents: Vacuum pump, 1 sample bottle PFA 180 ml (6.09 oz.), 5 m (16.40 ft.) PTFE suction hose 6 x 8 mm (0.24 x 0.31 in.), 1 hose cutter, 1 stainless steel hose weight made of AISI 304 (1.4301)/brass nickel-plated, 20 seal-it bottle seals.

MiniSampler PTFE			
Item no.	5305-0110		N4
Accessories			
Description	Item no.		
MiniSampler pump with adapter PP	5305-0010	N4	
MiniSampler standard pump	5305-0011	N4	
PTFE MiniSampler adapter for glass thread GL 45	5305-0209	N4	
MiniSampler adapter PTFE for sample tubes PFA 6205-0180	5305-1020	N2	
Hose cutter	0006-9506	N3	
Sample boxes PFA, 180 ml (6.09 oz.)	6205-0180	N3	
Suction hose PTFE on roll 6 x 8 mm (0.24 x 0.31 in.), roll with 5 m (16.40 ft.)	8804-0608	N3	

ProfiSampler | vacuum-operated sample collector for robust industrial use



While the MiniSampler is designed for laboratory use, the ProfiSampler has been specially developed for rough industrial use.

Applications

Sampling liquids in barrels, tanks, trucks, railway goods cars, ships, water courses, ground water, etc.

Vacuum samplers have the advantage that the sample liquid only comes into contact with the suction hose and the original sample bottle. The possibility of cross-contamination is greatly reduced. Immediately after taking the sample, the bottles are sealed. The disposable suction hose can quickly be replaced. This guarantees that the samples are always authentic. If necessary, a new hose can be used for every single sample.

Due to its small diameter (8 mm (0.31 in.)), the hose can reach narrow, seemingly inaccessible sampling areas.

The ProfiSampler can be extended with useful accessories developed in practice.

⚠ Attention! Make sure to pay attention to the "List of Chemical Resistance"!

- ▶ Three feet guarantee that the ProfiSampler stands safely
- ▶ Fill level control, automatic return flow and overflow protection through built-in venting valve
- ▶ Available with suction hose in PE, PA and PTFE wherever the highest degree of purity is required
- ▶ Can be supplied with straight suction tubes for simpler sampling, incl. transport case for tidy transport and disposal of the suction tubes
- ▶ Suction volume 200 ml (6.76 oz.), suction pressure 0.5 bar (7.25 psi)
- ▶ Suction height from liquid surface 5 m (16.40 ft.) WS
- ▶ Sample bottles available in different materials and sizes

Profi Sampler Aluminum



ProfiSampler | vacuum-operated sample collector for robust industrial use

① ProfiSampler Aluminum

ProfiSampler aluminum for solvents and flammable liquids in Explosion Categories IIA, IIB and IIC. With bottle thread GL 45 (suitable for Schott glass bottles 100 ml (3.38 oz.) to 1000 ml (33.81 oz.)). When taking samples of flammable liquids, the device must be grounded. For this, grounding cable and, possibly in addition, anti-static set should be used, see accessories.

ProfiSampler aluminum, consisting of: Vacuum pump made of aluminum, with feet, venting valve and bottle thread GL 45 with glass bottle 500 ml (16.91 oz.), 5 suction tubes PA black (220 cm (86.61 in.) long, electrically conductive), hose cutter, brass hose weight, 20 seal-it bottle seals, grounding cable.

② Profi Sampler PP

ProfiSampler PP for general samples, for weak acids, alkalis, detergents, chemical baths. Made of solid, chemical resistant Polypopylene. ProfiSampler PP, consisting of: Vacuum pump, made of solid PP, with feet, venting valve and bottle thread GL 40, 1 PP bottle 250 ml (8.45 oz.), 10 m (32.81 ft.) PE suction hose (roll), 1 hose cutter, 1 stainless steel hose weight made of AISI 304 (1.4301), 20 seal-it bottle seals.





③ Straight suction tubes for ProfiSampler

Straight suction tubes (PE or PA) have the advantage that they are not slightly bent as is the standard tubing (from the roll) and can therefore be immersed absolutely vertically into the container. The suction tubes are available in transparent PE for general sampling and black PA for flammable liquids in VbF Hazard Category AI (electrically conducting). Diameter 6 x 8 mm (0.24 x 0.31 in.). Contamination banned! In practice the low-priced tubes are only used once. They are then disposed of, instead of being subjected to a costly cleaning process. The tubes are not autoclavable.

④ Transport case for straight suction tubes for the practical transport of new suction tubes and the safe storage of used ones. Suitable for 100 suction tubes, 220 cm (86.61 in.) long.



① ProfiSampler Aluminum

Item no. 5305-1100   N4

Accessories

Description	Item no.
Glass sampling bottle 100 ml (3.38 oz.), GL 45	5314-0010 N3
Glass sampling bottle 250 ml (8.45 oz.), GL 45	5314-0025 N3
Glass sampling bottle 500 ml (16.91 oz.), GL 45	5314-0050 N3
Glass sampling bottle 1000 ml (33.81 oz.), GL 45	5314-0100 N3
③ Straight suction tube, PE transparent, 200 cm (78.74 in.), 10 pieces	5305-1022 N4
③ Straight suction tube, PA black, electrical conductive, 220 cm (86.61 in.), 10 pieces	5305-1024 N4
④ Transport case for straight suction tubes	5305-1029 N4
Anti-static set	5602-1000 N4
Suction hose PE on roll 6 x 8 mm (0.24 x 0.31 in.), roll with 10 m (32.81 ft.)	8805-0608 N3
Suction hose PE on roll 6 x 8 mm (0.24 x 0.31 in.), roll with 100 m (328.08 ft.)	8878-0608 N3
Suction hose PTFE on roll 6 x 8 mm (0.24 x 0.31 in.), roll with 5 m (16.40 ft.)	8804-0608 N3

② Profi Sampler PP

Item no. 5305-1000   N4

Accessories

Description	Item no.
③ Straight suction tube, PE transparent, 200 cm (78.74 in.), 10 pieces	5305-1022 N4
③ Straight suction tube, PA black, electrical conductive, 220 cm (86.61 in.), 10 pieces	5305-1024 N4
④ Transport case for straight suction tubes	5305-1029 N4
Sampling bottle PP, 250 ml (8.45 oz.)	0319-0252 N4
Suction hose PE on roll 6 x 8 mm (0.24 x 0.31 in.), roll with 10 m (32.81 ft.)	8805-0608 N3
Suction hose PE on roll 6 x 8 mm (0.24 x 0.31 in.), roll with 100 m (328.08 ft.)	8878-0608 N3

UniSampler with hose



UniSampler with PVC hose and hose weight made of stainless steel. For deep, hard-to-reach places. The mass of the metal tube drags the hose to any depth.

- ▶ Suction hose PVC, 2.50 m (8.20 ft.) long
- ▶ Complete in a handy transport case incl. sample bottle PP 1000 ml (33.81 oz.), vacuum pump, universal bottle adapter, hose weight made of AISI 304 (1.4301), 20 seal-it bottle seals
- ▶ Universal bottle adapter made of PVC, for bottle necks Ø 24 mm (0.94 in.), 32 mm (1.26 in.), 39 mm (1.54 in.) and 50 mm (1.97 in.) nominal dimension, for sample bottles 100–1000 ml (3.38–33.81 oz.)

Use

1. Lower the suction hose to the required depth.
2. Attach the adapter to the sampling bottle.
3. Create a vacuum using the handpump and collect the sample.
4. Remove the filled sample bottle, close and label it.

UniSampler with hose

Item no.	5314-2000		N4
Accessories			
Description	Item no.		
Suction hose for replacement PVC, 2.5 m (8.20 ft.)	5314-2002	N4	
Sampling bottle PP, 100 ml (3.38 oz.)	0319-0100	N3	
Sampling bottle PP, 500 ml (16.91 oz.)	0319-0500	N3	
Sampling bottle PP, 1000 ml (33.81 oz.)	0319-1000	N3	
Sampling bottle PP, 250 ml (8.45 oz.)	0319-0250	N3	

UniSampler "Ex"



Sampler especially developed for sampling flammable liquids of Hazard Category A1 (VbF, e.g. fuel). Glass bottle and hose are connected in such a way that they conduct electricity and are grounded via a grounding cable.

- ▶ Complete in a handy transport case incl. 4 m (13.12 ft.) hose (NBR), glass bottle 1000 ml (33.81 oz.), bottle adapter, bottle stand, vacuum pump, grounding cable and hose-weight made of brass
- ▶ PTB approval D-333-009 618/00

Use

1. Ground the device.
2. Lower the suction hose to the required depth.
3. Attach the adapter to the sampling bottle.
4. Create a vacuum using the handpump and collect the sample.
5. Remove the filled sample bottle, close and label it.



The UniSampler "Ex" was developed in co-operation with the quality association Tankschutz e.V. (non-profit association for tank protection).

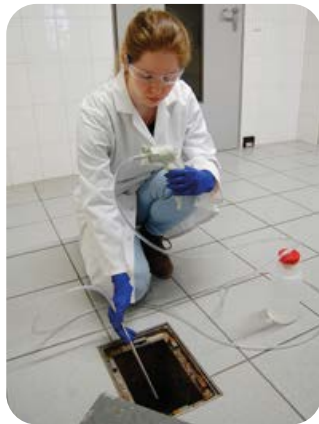
UniSampler "Ex"

Item no.	5314-3000		N4
Accessories			
Description	Item no.		
Glass sampling bottle 1000 ml (33.81 oz.), GL 45	5314-0100	N3	

UniSampler with suction lance

The collection lance consists of an inner tube and an outer tube. The suction position can be varied steplessly with the outer tube within a height of 0 to 48 cm (0 to 18.90 in.). The total length of the telescopic suction tube is 100 cm (39.37 in.).

- ▶ Suction tube PP, suction hose PVC
- ▶ Incl. 5 sample bottles each PP 250 ml (8.45 oz.) and 500 ml (16.91 oz.), vacuum pump, universal adapter for sample bottles, 20 seal-it bottle seals
- ▶ Universal bottle adapter made of PVC, for bottle necks Ø 24 mm (0.94 in.), 32 mm (1.26 in.), 39 mm (1.54 in.) and 50 mm (1.97 in.) nominal dimension, for sample bottles 100–1000 ml (3.38–33.81 oz.)



Use

1. Set the desired sampling depth by moving the suction lance.
2. Attach the adapter to the sampling bottle.
3. Lower the suction lance into the medium.
4. Create a vacuum using the handpump and collect the sample.
5. Remove the filled sample bottle, close and label it.



UniSampler with suction lance

Item no.
5314-1000

N4

Accessories

Description

Sampling bottle PP, 100 ml (3.38 oz.)
Sampling bottle PP, 500 ml (16.91 oz.)
Sampling bottle PP, 1000 ml (33.81 oz.)
Sampling bottle PP, 250 ml (8.45 oz.)

Item no.

0319-0100 N3
0319-0500 N3
0319-1000 N3
0319-0250 N3

Dipping bottles



Dipping containers are used in various areas to collect liquids for sampling. Bürkle produces the most comprehensive collection of dipping containers by a long way, the right product for every use as it were. Bürkle offers dipping bottles and immersion cylinders for sediments, for the area of environmental issues, for chemically aggressive products, for petrochemistry, for the ex protection area etc. The dipping bottles for the Ex protection area are made of nickel-plated brass, therefore they do not oxidize. Dipping vessels can be used for point sampling, all-layer samples and bottom sampling. Dipping vessels are heavy. Lowering requires the use of special manually-operated drum reels with a large winding diameter. Other manually-operated drum reels place too much strain on the user's wrist and could represent a health hazard. Lowering cables and chains made from different materials, as well as manually-operated drum reels, also for Ex-proof applications, available as accessories.

! Observe Ex-proof guidelines when sampling flammable liquids. Only use conductive lowering cables made of nonspark-producing material and conductive hand reels with grounding connection.

Dipping bottle

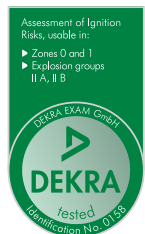
Dipping bottle with glass container for sampling in sewage plants, for mud and water samples. For testing crude oil, liquid mineral oil products, fuels, special and test fuels, fuel oils, petroleum and liquid lubricants of Hazard Categories IIA and IIB. Completely made from non-spark producing materials. Dipping frame made of nickel-plated brass, easy-click closure made of electrically conductive polyamide.

- ▶ With Easy-Click, safe and practical closure for a rapid bottle exchange
- ▶ High weight (3.2 kg (7.05 pd.)) for fast lowering
- ▶ Bottle made of transparent glass 1000 ml (33.81 oz.) contents
- ▶ Height with handles 330 mm (12.99 in.)
- ▶ Tested for use in the Ex protection zone 0

! Please order the required lowering cable separately (page 86).

Use

1. Lower the dipping bottle to the required depth.
2. Pull chain/cable with a short, powerful jerk, the stopper opens.
3. The sample flows into the bottle.
4. Raise the bottle with the chain/ cable.
5. Open the Easy-Click, remove the bottle.



Dipping bottle

Capacity ml (oz.)	Dia. mm (in.)	Item no.
1000 (33.81)	148 (5.83)	5365-4000 N4



Dipping bottle Ex

Dipping bottle for testing mineral oil products Category A, Explosion Categories IIA, IIB and IIC, crude oil, liquid mineral oil products, fuels, special and test fuels, fuel oils, petroleum and liquid lubricants. Completely made from non-spark producing materials, nickel-plated

- ▶ Screw-off bottle head – easy cleaning
- ▶ Robust handle
- ▶ High weight (3.3 kg (7.28 pd.)) for fast lowering
- ▶ Height with handles 443 mm (17.44 in.)
- ▶ Tested for use in the Ex protection zone 0

Please order the required lowering cable separately (page 86).



Use

1. Lower the dipping bottle to the required depth.
2. Pull chain/cable with a short, powerful jerk, the stopper opens.
3. The sample flows into the bottle.
4. Raise the bottle with the chain/cable.
5. Empty the bottle.



YouTube

Dipping bottle Ex

Capacity ml (oz.)	Dia. mm (in.)	Item no.
1000 (33.81)	89 (3.50)	5365-3000 N4



Immersion cylinder

Immersion cylinder for sampling crude oil, liquid mineral oil products, fuels, special and test fuels, fuel oils, petroleum and liquid lubricants in Explosion Categories IIA, IIB and IIC. Completely made from non-spark producing materials, nickel-plated.

- ▶ Screw-off top enables easy cleaning
- ▶ High weight for fast lowering
- ▶ Robust handle
- ▶ Tested for use in the Ex protection zone 0

Please order the required lowering cable separately (page 86).

Use

Point sampling

1. Two lowering cables are required for this (bearer cable and hauling cable).
2. Lower the immersion cylinder to the required depth.
3. When the target has been reached, pull on the hauling cable, the valve opens.
4. The sample flows into the bottle.
5. Release the hauling cable. The valve closes. Pull the cylinder back on the bearer cable.
6. Empty the cylinder via the valve at the bottom.

Bottom sampling

1. Lower the immersion cylinder on the cable to the ground.
2. The valve opens automatically because of the immersion cylinder's own weight.
3. The sample flows into the cylinder.
4. Pull the cylinder back on the cable, the valve closes independently.
5. Empty the cylinder via the valve at the bottom.



YouTube

Immersion cylinder

Capacity ml (oz.)	Dia. mm (in.)	Height mm (in.)	Weight g (oz.)	Item no.
500 (16.91)	75 (2.95)	300 (11.81)	3000 (105.82)	5365-7500 N4
1000 (33.81)	75 (2.95)	450 (17.72)	4300 (151.68)	5365-7000 N4

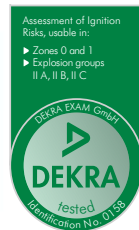


Dipping vessel

Dipping vessel for taking all-layer samples from tanks, tank cars, water courses, water purification plants.

- ▶ With Easy-Flow, the flow optimized flow valve
- ▶ High weight for faster lowering
- ▶ Contents 1000 ml (33.81 oz.)
- ▶ Height with handles 427 mm (16.81 in.)
- ▶ Made of non-spark producing brass or stainless steel AISI 304 (1.4301) for Ex area
- ▶ Tested for use in the Ex protection zone 0, Explosion Categories IIA, IIB and IIC

Please order the required lowering cable separately (page 86).



Use

1. When the dipping vessel is lowered, the liquid constantly runs through it.
2. When it is pulled back, both valves close automatically.
3. Emptying at the top via the open flaps.

Dipping vessel

Material	Dia. mm (in.)	Weight g (oz.)	Item no.		
brass	82 (3.23)	2300 (81.13)	5365-1000	N4	
stainless steel AISI 304	82 (3.23)	2000 (70.55)	5365-2000	N4	

Mini immersion cylinder

For sampling liquids in narrow places where access is difficult. Can also be used in curved dipping tubes and barrels with narrow openings.

- ▶ Diameter only 32 mm (1.26 in.)
- ▶ Weight 330 g (11.64 oz.)
- ▶ Stainless steel AISI 304 (1.4301)
- ▶ Screw-off top enables easy cleaning
- ▶ Tested for use in the Ex protection zone 0, Explosion Categories IIA and IIB

Please order the required lowering cable separately (page 86).



Use

1. When the dipping vessel is lowered, the liquid constantly runs through it.
2. When it is pulled back, both valves close automatically.
3. It can be emptied via the base valve or the upper screw-off cap.

Mini immersion cylinder

Capacity ml (oz.)	Dia. mm (in.)	Height mm (in.)	Item no.		
50 (1.69)	32 (1.26)	180 (7.09)	5365-5000	N4	

Target immersion cylinder



Precise liquid samples can be taken with the Target immersion cylinder.

- ▶ Weight 2.6 kg (5.73 pd.)
- ▶ Incl. venting lowering cable (5 m (16.40 ft.)), valve and cable reel
- ▶ Screw-off top enables easy cleaning

Use

1. Lower the immersion cylinder to the required depth on the high-tensile, closed hose.
2. When the target has been reached, open the air valve at the tube end.
3. This vents the immersion cylinder and fills it.
4. Retrieve the immersion cylinder.
5. Open the cover and pour out the sample.

Target immersion cylinder

Capacity ml (oz.)	Dia. mm (in.)	Height mm (in.)	Item no.	
500 (16.91)	75 (2.95)	210 (8.27)	5365-6000	N4



AquaSampler



Sampler for ground water samples from wells, pits and other sources. Fits all normal well shafts with control openings to Ø 2", without tilting or getting stuck. Ultra pure materials guarantee the highest degree of sample purity. Easy to clean thanks to rounded edges and threads.

- ▶ FEP/PTFE ultra pure, anti adhesive surface



Please order the required lowering cable separately (page 86).

AquaSampler

Capacity ml (oz.)	Total length cm (in.)	Outer dia. mm (in.)	Item no.	
350 (11.83)	40 (15.75)	46 (1.81)	5308-0350	N4
700 (23.67)	76 (29.92)	46 (1.81)	5308-0700	N4
1050 (35.50)	107 (42.13)	46 (1.81)	5308-1050	N4



Manually-operated reels



Manually-operated drum reel PP



Manually-operated drum reel PA electrically-conductive



Manually-operated reel Ex with grounding cable

The manually-operated drum reels are used to lower dipping bottles and immersion cylinders safely to the required depth in shafts, wells and tanks and then to pull them up again. The manually-operated drum reels can be equipped with various cables or chains.

If flammable or highly flammable liquids are to be collected, then electrically conductive manually-operated drum reels must be used together with a grounding cable. The dipping bottles must be made of non-sparking metal.

- ▶ High winding capacity of up 150 m (492.13 ft.) for cable 2 mm (0.08 in.) dia.
- ▶ Reel width: inner 44 mm (1.73 in.), outer 55 mm (2.17 in.), reel diameter: inner 100 mm (3.94 in.), outer 180 mm (7.09 in.)

Please order the required lowering cable separately.



Manually-operated reel

Model	Item no.	
① Manually-operated reel PP	5309-0010	N4
② Manually-operated reel PA	5309-0020	N4
③ Manually-operated reel Ex with grounding cable	5309-0030	N4

Lowering cables



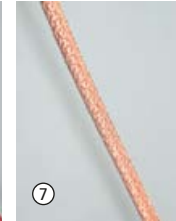
Stainless steel lowering cable, PTFE-coated 316L



Lowering cable AISI



Lowering cable plastic



Copper lowering cable EX with loops

Lowering cables
For dipping bottles and immersion cylinders, matching manually-operated drum reels made of various materials. Tensile load max. up to 10 kg (22.05 pd.).



Lowering/hoisting chain stainless steel



Snap-hook AISI 316L



Brass shackle

Lowering cable

Model	Length m (ft.)	Dia. mm (in.)	Item no.	
④ Stainless steel lowering cable, PTFE-coated	10 (32.81)	2 (0.08)	5309-0110	N4
④ Stainless steel lowering cable, PTFE-coated	25 (82.02)	2 (0.08)	5309-0125	N4
④ Stainless steel lowering cable, PTFE-coated	50 (164.04)	2 (0.08)	5309-0150	N4
⑤ Stainless steel lowering cable	10 (32.81)	1.25 (0.05)	5309-0301	N4
⑤ Stainless steel lowering cable	25 (82.02)	1.25 (0.05)	5309-0302	N4
⑤ Stainless steel lowering cable	50 (164.04)	1.25 (0.05)	5309-0305	N4
⑥ Lowering cable made of PP cord	10 (32.81)	2 (0.08)	5309-0201	N4
⑥ Lowering cable made of PP cord	25 (82.02)	2 (0.08)	5309-0202	N4
⑥ Lowering cable made of PP cord	50 (164.04)	2 (0.08)	5309-0205	N4
⑦ Copper lowering cable EX with loops	10 (32.81)	4.5 (0.18)	5309-0410	N4
⑦ Copper lowering cable EX with loops	25 (82.02)	4.5 (0.18)	5309-0425	N4
⑦ Copper lowering cable EX with loops	50 (164.04)	4.5 (0.18)	5309-0450	N4
⑧ Stainless steel chains	10 (32.81)	2.3 (0.09)	5309-0510	N4
⑧ Stainless steel chains	25 (82.02)	2.3 (0.09)	5309-0525	N4
⑧ Stainless steel chains	50 (328.08)	2.3 (0.09)	5309-0550	N4
⑨ Snap hooks stainless steel AISI 316L		5 (0.20)	0006-5300	N4
⑩ Brass shackle		4.5 (0.18)	0006-5301	N4

DispoSampler – disposable samplers | for the highest standards in sampling



Bürkle disposable samplers – DispoSampler – are used to take samples of liquids, viscous media, powders and granulates. Target point samples can be taken, all-layer and cross-section samples, as well as small and large sample quantities.

Unlike conventional reusable samplers, disposable samplers do not need to be cleaned after use.



- ▶ Cleaning reusable samplers is a demanding and often complicated task, with greasy, strongly adhesive or toxic substances. Sometimes the task is even impossible
- ▶ Work processes do not have to be interrupted by cleaning
- ▶ Cross contamination is completely eliminated
- ▶ The cleaning method does not need to be validated in audits
- ▶ Time and money are saved



Bürkle DispoSampler LaboPlast® and SteriPlast®



LaboPlast

SteriPlast



- ▶ Individually packaged
- ▶ Production, assembly and packaging in class 7 clean room (10,000)
- ▶ Complies with EU food requirements and FDA regulations
- ▶ Optionally sterilized by gamma rays

Time is money – Compare the costs:

- Bring to cleaning area
- Remove sampler
- Cleaning agent
- Work time
- Autoclaving in some cases
- Drying
- Mount sampler
- Packaging if required
- Transport and storage

Due to the effort involved in cleaning and the costs associated with it, it is often more economical to use a Bürkle disposable sampler.



LiquiDispo



The LiquiDispo disposable sampler can be used to take samples of liquids from highly liquid to slightly viscous. An ergonomic handle makes it easier to draw the sample: up to 200 ml (6.76 oz.) can be drawn, as with a syringe.

- ▶ Ergonomic handle
- ▶ No seals
- ▶ HDPE
- ▶ Clean room manufactured, individually packaged
- ▶ Optionally sterilized by gamma rays
- ▶ Opening diameter 2.5 mm (0.10 in.)
- ▶ Ø 21 mm (0.83 in.)



LiquiDispo					
Length mm (in.)	Volume ml (oz.)	Model	Pieces per pack	Item no.	
500 (19.69)	100 (3.38)	standard	20	5393-1120	N4
500 (19.69)	100 (3.38)	sterilized	20	5393-1121	N4
1000 (39.37)	200 (6.76)	standard	20	5393-1130	N4
1000 (39.37)	200 (6.76)	sterilized	20	5393-1131	N4

DispoPipette



Simple disposable sampler for taking samples of low viscosity media. If the DispoPipette is inserted into the liquid opened, an all-layer sample is obtained. If it is closed while it is inserted up to the sampling point and then opened, a target-point sample is obtained. Very easy to operate. With two opening sizes (2.5/5.5 mm (0.10/0.22 in.)) for different viscosities.

- ▶ All-layer and target point samples possible
- ▶ HDPE
- ▶ Clean room manufactured, individually packaged
- ▶ Optionally sterilized by gamma rays
- ▶ Ø 21 mm (0.83 in.)



DispoPipette					
Length mm (in.)	Volume ml (oz.)	Model	Pieces per pack	Item no.	
500 (19.69)	100 (3.38)	standard	20	5393-5500	N4
500 (19.69)	100 (3.38)	sterilized	20	5393-5501	N4
1000 (39.37)	200 (6.76)	standard	20	5393-5531	N4
1000 (39.37)	200 (6.76)	sterilized	20	5393-5532	N4

DispoTube






The ergonomic handle of the DispoTube makes it easier to work and facilitates a good grip even under difficult conditions, for example with gloves. Disposable sampler for taking samples of liquids.

- ▶ Ergonomic handle
- ▶ All-layer and target point samples possible
- ▶ HDPE
- ▶ Clean room manufactured, individually packaged
- ▶ Optionally sterilized by gamma rays
- ▶ Opening diameter 5.5 mm (0.22 in.)
- ▶ Ø 21 mm (0.83 in.)



DispoTube

Length mm (in.)	Volume ml (oz.)	Model	Pieces per pack	Item no.			
500 (19.69)	100 (3.38)	standard	20	5393-6620	N4		
500 (19.69)	100 (3.38)	sterilized	20	5393-6621	N4		
1000 (39.37)	200 (6.76)	standard	20	5393-6630	N4		
1000 (39.37)	200 (6.76)	sterilized	20	5393-6631	N4		

DispoLadle






DispoLadle is a sampling scoop specially designed for disposable use. The scaled scoop with embossing can be used for measuring. It shows contents in increments of 10 ml (0.34 oz.), up to 200 ml (6.76 oz.). An ergonomic handle and a spout on both sides for right or left-hand operation make handling simple and easy.

- ▶ 200 ml (6.76 oz.) scoop
- ▶ External Ø 92 mm (3.62 in.)
- ▶ Ergonomic handle
- ▶ HDPE
- ▶ Clean room manufactured, individually packaged
- ▶ Optionally sterilized by gamma rays



DispoLadle

Length mm (in.)	Model	Pieces per pack	Item no.			
500 (19.69)	standard	20	5393-6640	N4		
500 (19.69)	sterilized	20	5393-6641	N4		
1000 (39.37)	standard	20	5393-6650	N4		
1000 (39.37)	sterilized	20	5393-6651	N4		

ViscoDispo



The ViscoDispo disposable sampler can be used to take samples of high-viscosity media up to 100.000 mPas. The ergonomically shaped handle and the very stable drawbar make it easy to draw even viscous substances.

- ▶ Ergonomic handle
- ▶ No seals
- ▶ HDPE
- ▶ Clean room manufactured, individually packaged
- ▶ Optionally sterilized by gamma rays
- ▶ Opening diameter 10 mm (0.39 in.)
- ▶ Ø 21 mm (0.83 in.)



ViscoDispo

Length mm (in.)	Volume ml (oz.)	Model	Pieces per pack	Item no.		
500 (19.69)	100 (3.38)	standard	20	5393-3320	N4	
500 (19.69)	100 (3.38)	sterilized	20	5393-3321	N4	
1000 (39.37)	200 (6.76)	standard	20	5393-3330	N4	
1000 (39.37)	200 (6.76)	sterilized	20	5393-3331	N4	

PowderDispo



PowderDispo is the ideal disposable sampler for cross-section samples of powdery or slightly cohesive substances. A complete all-layer sample can be taken from bags or smaller containers with the lance.

- ▶ HDPE
- ▶ Clean room manufactured, individually packaged
- ▶ Optionally sterilized by gamma rays
- ▶ Ø 21 mm (0.83 in.)

PowderDispo

Length mm (in.)	Volume ml (oz.)	Model	Pieces per pack	Item no.		
300 (11.81)	60 (2.03)	standard	20	5393-5510	N4	
300 (11.81)	60 (2.03)	sterilized	20	5393-5511	N4	
500 (19.69)	100 (3.38)	standard	20	5393-5522	N4	
500 (19.69)	100 (3.38)	sterilized	20	5393-5521	N4	

DispoPicker



Disposable sampler for powders and small-grain bulk materials. Because the tip is closed, the sample material cannot trickle back out of the sample lance. DispoPicker is ideally suited for cross-section samples.

- ▶ HDPE
- ▶ Clean room manufactured, individually packaged
- ▶ Optionally sterilized by gamma rays
- ▶ Ø 21 mm (0.83 in.)

DispoPicker						
Length mm (in.)	Volume ml (oz.)	Model	Pieces per pack	Item no.		
300 (11.81)	60 (2.03)	standard	20	5393-5540	N4	
300 (11.81)	60 (2.03)	sterilized	20	5393-5541	N4	
500 (19.69)	100 (3.38)	standard	20	5393-5550	N4	
500 (19.69)	100 (3.38)	sterilized	20	5393-5551	N4	

DispoLance



The DispoLance disposable sampler can be used for taking large and small sample quantities quickly and easily, directly from bags. The sampler is suitable for free-flowing powders and small-grain granulates.

The DispoLance sampler pierces into the container with the sturdy tip and the sample flows through the open inner tube directly into the container or bag that is held underneath.

- ▶ Variable sample quantity
- ▶ HDPE
- ▶ Clean room manufactured, individually packaged
- ▶ Optionally sterilized by gamma rays
- ▶ Nominal width 14 mm (0.55 in.)
- ▶ Ø 21 mm (0.83 in.)

DispoLance						
Length mm (in.)	Model	Pieces per pack	Item no.			
300 (11.81)	standard	20	5393-5560	N4		
300 (11.81)	sterilized	20	5393-5561	N4		
500 (19.69)	standard	20	5393-5570	N4		
500 (19.69)	sterilized	20	5393-5571	N4		

Accessories

Description

Sampling bag SteriBag page 117

MicroDispo



Quite small sample quantities (10 ml (0.34 oz.)) can be taken with MicroDispo. Especially in pharmaceutical applications it often happens that only a small quantity can or should be extracted for analysis. Using the disposable sampler, precise target point samples can be taken of free-flowing powders and small-grain bulk materials.

- ▶ Ergonomic handle
- ▶ HDPE
- ▶ Clean room manufactured, individually packaged
- ▶ Optionally sterilized by gamma rays
- ▶ Ø 21 mm (0.83 in.)



MicroDispo

Length mm (in.)	Volume ml (oz.)	Model	Pieces per pack	Item no.			
500 (19.69)	10 (0.34)	standard	20	5393-2240	N4		
500 (19.69)	10 (0.34)	sterilized	20	5393-2241	N4		
1000 (39.37)	10 (0.34)	standard	20	5393-2250	N4		
1000 (39.37)	10 (0.34)	sterilized	20	5393-2251	N4		

MultiDispo



Disposable zone samplers for taking samples from multiple layers of the sample material. Suitable for free-flowing powders and small-grain granulates. The representative all-layer sample can be emptied directly through the open handle into a sample container.

- ▶ Easy emptying through the opening in the handle (Ø 14 mm (0.55 in.))
- ▶ HDPE
- ▶ Clean room manufactured, individually packaged
- ▶ Optionally sterilized by gamma rays
- ▶ Ø 25 mm (0.98 in.) / Ø tip 30 mm (1.18 in.)



MultiDispo

Length mm (in.)	Volume ml (oz.)	Model	Pieces per pack	Item no.			
500 (19.69)	100 (3.38)	standard	20	5393-4440	N4		
500 (19.69)	100 (3.38)	sterilized	20	5393-4441	N4		
1000 (39.37)	200 (6.76)	standard	20	5393-4450	N4		
1000 (39.37)	200 (6.76)	sterilized	20	5393-4451	N4		

TargetDispo



TargetDispo is used to take a target point sample at a position in the sample material that has previously been precisely determined. The sampler pierces into the powder or granulate while closed. When it reaches the sample removal point it is opened and then closed again. In this way a precise target-point sample is obtained. The sample can simply be emptied through the open handle.

- ▶ Easy emptying through the opening in the handle (Ø 14 mm (0.55 in.))
- ▶ HDPE
- ▶ Clean room manufactured, individually packaged
- ▶ Optionally sterilized by gamma rays
- ▶ Ø 25 mm (0.98 in.) / Ø tip 30 mm (1.18 in.)



TargetDispo					
Length mm (in.)	Volume ml (oz.)	Model	Pieces per pack	Item no.	
500 (19.69)	100 (3.38)	standard	20	5393-4460	N4
500 (19.69)	100 (3.38)	sterilized	20	5393-4461	N4
1000 (39.37)	200 (6.76)	standard	20	5393-4470	N4
1000 (39.37)	200 (6.76)	sterilized	20	5393-4471	N4

ZoneDispo



The ZoneDispo disposable all-layer sampler is used in sampling to collect a representative all-layer sample from three different layers. Suitable for free-flowing powders and small-grain granulates. The collected sample can be secured and transported in the closed sampler.

- ▶ HDPE
- ▶ Clean room manufactured, individually packaged
- ▶ Optionally sterilized by gamma rays
- ▶ Ø 25 mm (0.98 in.) / Ø tip 30 mm (1.18 in.)



ZoneDispo					
Length mm (in.)	Volume ml (oz.)	Model	Pieces per pack	Item no.	
500 (19.69)	100 (3.38)	standard	20	5393-4420	N4
500 (19.69)	100 (3.38)	sterilized	20	5393-4421	N4
1000 (39.37)	200 (6.76)	standard	20	5393-4430	N4
1000 (39.37)	200 (6.76)	sterilized	20	5393-4431	N4

SteriPlast® and LaboPlast®

b SteriPlast



Bürkle **SteriPlast®** products are high-quality, ergonomically shaped disposable products that are specially designed and optimized for sampling purposes. They are produced, assembled and individually packed in Bürkle's own clean room and then sterilized by rays.

The SteriPlast® products thus meet all the requirements for absolutely sterile sampling with first class certification.

b LaboPlast

LaboPlast® is the Bürkle brand for high-quality plastic products that have been specially designed and developed to optimally meet the demanding and in part special requirements in laboratories, industry and science.

Here LaboPlast® stands for the best quality, excellent craftsmanship and outstanding material properties.

Test the products and get to know and appreciate our LaboPlast® product lines!

LaboPlast® scoop, disposable



The LaboPlast® disposable scoop made of polystyrene is produced and assembled in our clean room of class 7 (10,000) and individually packaged for disposable use. The disposable scoop is ideal for powders, granulates and pastes. The scoop with transparent cover can be closed immediately after sampling and the exclusion of contamination can therefore be safeguarded.

- ▶ PS, white
- ▶ Individually packaged
- ▶ Production, assembly and packaging according to clean room class 7
- ▶ Complies with EU food requirements and FDA regulations



LaboPlast® scoop, disposable				
Capacity ml (oz.)	Model	Length mm (in.)	Pieces per pack	Item no.
25 (0.85)	without cover	141 (5.55)	10	5378-0001 N4
25 (0.85)	with cover	142 (5.59)	10	5378-0002 N4
50 (1.69)	without cover	160 (6.30)	10	5378-0003 N4
50 (1.69)	with cover	161 (6.34)	10	5378-0004 N4
100 (3.38)	without cover	205 (8.07)	10	5378-0005 N4
100 (3.38)	with cover	206 (8.11)	10	5378-0006 N4
150 (5.07)	without cover	216 (8.50)	10	5378-0007 N4
150 (5.07)	with cover	218 (8.58)	10	5378-0008 N4
250 (8.45)	without cover	232 (9.13)	10	5378-0013 N4
250 (8.45)	with cover	235 (9.25)	10	5378-0014 N4
500 (16.91)	without cover	280 (11.02)	10	5378-0015 N4
500 (16.91)	with cover	283 (11.14)	10	5378-0016 N4
1000 (33.81)	without cover	332 (13.07)	10	5378-0019 N4
2000 (67.63)	without cover	381 (15.00)	10	5378-0020 N4

SteriPlast® sample scoop

The SteriPlast® sample scoop made of polystyrene is produced and assembled in our clean room of class 7 (10,000), individually packaged for disposable use and then sterilized by gamma rays. The sample scoop is ideal for powders, granulates and pastes.




The scoop with transparent cover can be closed immediately after sampling and the sterility and exclusion of contamination can therefore be safeguarded.

- ▶ PS, white
- ▶ Individually packaged and sterilized by gamma rays
- ▶ Production, assembly and packaging according to clean room class 7
- ▶ Complies with EU food requirements and FDA regulations



Ergonomics were particularly important to us for the design of the sample scoop. The scoop stands horizontally due to the special handle design and the slightly angled front edge and can therefore be put down without the sample material trickling out.

SteriPlast® sample scoop

Capacity ml (oz.)	Model	Length mm (in.)	Pieces per pack	Item no.	   
25 (0.85)	without cover	141 (5.55)	10	5378-1001	N4
25 (0.85)	with cover	142 (5.59)	10	5378-1002	N4
50 (1.69)	without cover	160 (6.30)	10	5378-1003	N4
50 (1.69)	with cover	161 (6.34)	10	5378-1004	N4
100 (3.38)	without cover	205 (8.07)	10	5378-1005	N4
100 (3.38)	with cover	206 (8.11)	10	5378-1006	N4
150 (5.07)	without cover	216 (8.50)	10	5378-1007	N4
150 (5.07)	with cover	218 (8.58)	10	5378-1008	N4
250 (8.45)	without cover	232 (9.13)	10	5378-1013	N4
250 (8.45)	with cover	235 (9.25)	10	5378-1014	N4
500 (16.91)	without cover	280 (11.02)	10	5378-1015	N4
500 (16.91)	with cover	283 (11.14)	10	5378-1016	N4
1000 (33.81)	without cover	332 (13.07)	10	5378-1019	N4
2000 (67.63)	without cover	381 (15.00)	10	5378-1020	N4

Sampling scoop, long handle, disposable



The sampling scoop can be used to take samples of powders, granulates and pastes. The long handle makes it possible to sample larger containers even with little content or to reach through narrow openings.

With the straight bottom of the scoop, the medium can be scooped up directly from the bottom of the container.

The disposable scoop is suitable for sensitive areas of pharmaceuticals and chemistry as well as the food and cosmetics industries.



- ▶ PS, white
- ▶ Individually packaged and optionally sterilized
- ▶ Handle length 300 mm (11.81 in.)
- ▶ For single use
- ▶ Clean room manufactured (clean room class 7)
- ▶ Complies with EU food requirements and FDA regulations

Sampling scoop, long handle, disposable

Total length mm (in.)	Capacity ml (oz.)	Model	Pieces per pack	Item no.
390 (15.35)	50 (1.69)	standard	10	5378-5013 N4
390 (15.35)	50 (1.69)	sterilized	10	5378-5014 N4
415 (16.34)	100 (3.38)	standard	10	5378-5017 N4
415 (16.34)	100 (3.38)	sterilized	10	5378-5018 N4



Sample spatula white, disposable



The disposable spatula made of polystyrene is produced and assembled in our clean room of class 7 (10,000) and individually packaged for disposable use.

As a result of the long, ergonomically-shaped, stable handle and a sharp blade, it is possible to even penetrate directly into containers such as paper or plastic sacks. The disposable spatula is ideal for sampling powders, granulates and pastes.

The spatula with transparent sealing sleeve can be closed again immediately after sampling and the exclusion of contamination can be safeguarded for the sample taken.

- ▶ PS, white
- ▶ Production, assembly and packaging according to clean room class 7
- ▶ Complies with EU food requirements and FDA regulations

LaboPlast® spatula, disposable

- ▶ Individually packaged

SteriPlast® sample spatula

- ▶ Individually packaged and sterilized by gamma rays



LaboPlast® spatula, disposable

Model	Total length mm (in.)	Insertion depth mm (in.)	Pieces per pack	Item no.
without sleeve	263 (10.35)	150 (5.91)	10	5378-0009 N4
with sleeve	268 (10.55)	150 (5.91)	10	5378-0010 N4



SteriPlast® sample spatula

Model	Total length mm (in.)	Insertion depth mm (in.)	Pieces per pack	Item no.
without sleeve	263 (10.35)	150 (5.91)	10	5378-1009 N4
with sleeve	268 (10.55)	150 (5.91)	10	5378-1010 N4



Sample spoon white, disposable



The disposable spoon made of polystyrene is produced in our clean room of class 7 (10,000) and individually packaged for disposable use.

The spoon is available in two sizes, 2.5 ml (0.08 oz.) (similar to a teaspoon) and 10 ml (0.34 oz.) (similar to a tablespoon), and is ideal for sampling powders, granulates and fluids.

- ▶ PS, white
- ▶ Production and packaging according to clean room class 7
- ▶ Complies with EU food requirements and FDA regulations

LaboPlast® spoon, disposable

- ▶ Individually packaged

SteriPlast® sample spoon

- ▶ Individually packaged and sterilized by gamma rays



LaboPlast® spoon, disposable

Length mm (in.)	Capacity ml (oz.)	Pieces per pack	Item no.
127 (5.00)	2.5 (0.08)	100	5378-0011 N4
170 (6.69)	10 (0.34)	100	5378-0012 N4



SteriPlast® sample spoon

Length mm (in.)	Capacity ml (oz.)	Pieces per pack	Item no.
127 (5.00)	2.5 (0.08)	100	5378-1011 N4
170 (6.69)	10 (0.34)	100	5378-1012 N4



Sampling spoon, long handle, disposable



The sampling spoon with long handle can be used to remove powders, granulates, pastes or liquids. The long handle makes it easy to reach the bottoms of larger containers as well and allows for sampling of drums, jerrycans and bottles with small opening diameters. Thanks to the indentations on the handle, the disposable spoon rests comfortably and securely in the hand.

The laboratory spoon is suitable for single use in the sensitive areas of pharmaceuticals, chemistry, cosmetics, animal feed and food & beverage.

- ▶ PS, white
- ▶ Individually packaged and optionally sterilized
- ▶ Handle length 300 mm (11.81 in.)
- ▶ For single use
- ▶ Clean room manufactured (clean room class 7)
- ▶ Complies with EU food requirements and FDA regulations



b LaboPlast

b SteriPlast

Sampling spoon, long handle, disposable

Total length mm (in.)	Capacity ml (oz.)	Model	Pieces per pack	Item no.
355 (13.98)	5 (0.17)	standard	10	5378-5001 N4
355 (13.98)	5 (0.17)	sterilized	10	5378-5002 N4
375 (14.76)	20 (0.68)	standard	10	5378-5005 N4
375 (14.76)	20 (0.68)	sterilized	10	5378-5006 N4



Dosing spoons, white

Volumetric and dosing spoons can be used to measure small amounts of powder, granulates and liquids exactly and dose them precisely. For precise measuring, excess medium is stripped off the upper edge of the spoon. The content volume is engraved on the handle.

The flat front edge of the volumetric spoon is ideal for picking up medium from the bottom of the container or for getting into the corners of the container, thus allowing for good emptying of small remaining amounts. The flat base makes it possible to set the volumetric spoon down without spilling the content.

The disposable dosing spoon is suitable for use as a sample spoon for taking small sample quantities. Since the plastic volumetric spoon was developed for single use, there is no cleaning and the possibility of cross-contamination and impurities is excluded. The dosing spoons and volumetric spoons are suitable for precise measuring for chemical and pharmaceutical applications, cosmetics, animal feed and the food & beverage industry.

Available either in a large package with 100 pieces or 100 pieces packaged individually and radiation sterilized.

- ▶ PS, white
- ▶ Optionally packaged individually and sterilized
- ▶ With stripper edge
- ▶ For single use
- ▶ Clean room manufactured (clean room class 7)
- ▶ Complies with EU food requirements and FDA regulations

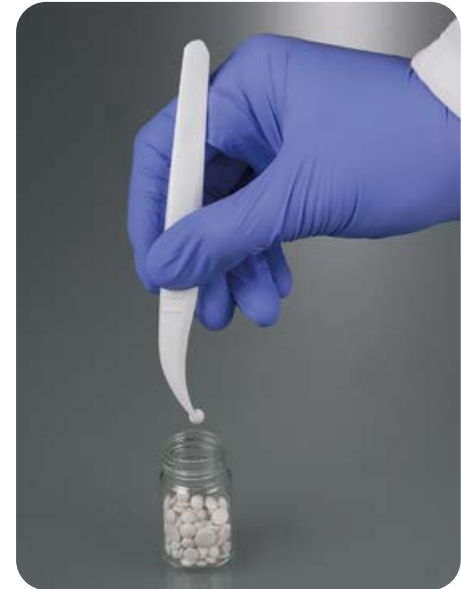


Dosing spoons, white

Capacity ml (oz.)	Model	Pieces per pack	Item no.	
0,5 (0.02)	large package	100	5378-4004	N4
0,5 (0.02)	sterilized, packaged individually	100	5378-4005	N4
1 (0.03)	large package	100	5378-4006	N4
1 (0.03)	sterilized, packaged individually	100	5378-4007	N4
2,5 (0.08)	large package	100	5378-4008	N4
2,5 (0.08)	sterilized, packaged individually	100	5378-4009	N4
5 (0.17)	large package	100	5378-4010	N4
5 (0.17)	sterilized, packaged individually	100	5378-4011	N4
10 (0.34)	large package	100	5378-4012	N4
10 (0.34)	sterilized, packaged individually	100	5378-4013	N4
15 (0.51)	large package	100	5378-4014	N4
15 (0.51)	sterilized, packaged individually	100	5378-4015	N4
25 (0.85)	large package	100	5378-4016	N4
25 (0.85)	sterilized, packaged individually	100	5378-4017	N4
50 (1.69)	large package	100	5378-4018	N4
50 (1.69)	sterilized, packaged individually	100	5378-4019	N4



Forceps, disposable



The disposable forceps are suitable for precise lab work and are ideal for grasping, lifting and moving small objects, for example fine tissue, small items or solid samples. The fluted handles ensure optimum and secure handling as well as precise work. The light plastic forceps for single use allow for fatigue-free work. The clean room-manufactured lab assistants meet the highest standards and prevent cross-contamination or impurities in the sample being examined. The lab tweezers are suitable for chemical, pharmaceutical or cosmetic applications as well as the food industry and scientific uses. Available either in a large package with 100 pieces or 100 pieces packaged individually and radiation sterilized.



Forceps, disposable

Shape	Model	Pieces per pack	Item no.	
pointed/angled	sterilized, packaged individually	100	5378-1040	N4
pointed/angled	large package	100	5378-0040	N4
pointed	sterilized, packaged individually	100	5378-1041	N4
pointed	large package	100	5378-0041	N4
broad tip	sterilized, packaged individually	100	5378-1042	N4
broad tip	large package	100	5378-0042	N4

- ▶ PS, white
- ▶ Optionally packaged individually and sterilized
- ▶ For single use
- ▶ Clean room manufactured (clean room class 7)
- ▶ Complies with EU food requirements and FDA regulations
- ▶ Overall length 130 mm (5.12 in.)

Ladle, long handle, disposable



The ladle is suitable for taking samples of liquids and viscous media as well as powders and granulates. The ladle has a very smooth bottom and rounded corners. This makes it possible to reach into any corner of a container or to take medium directly from the bottom of the container. A long handle with indentations for fingers ensures a firm hold and precise work.

The disposable ladle can be used in the pharmaceutical industry, chemistry and cosmetics and the food and animal feed industries.



- ▶ PS, white
- ▶ Individually packaged and optionally sterilized
- ▶ Reaches into any corner
- ▶ Handle length 300 mm (11.81 in.)
- ▶ Clean room manufactured (clean room class 7)
- ▶ Complies with EU food requirements and FDA regulations

Ladle, long handle, disposable

Total length mm (in.)	Capacity ml (oz.)	Model	Pieces per pack	Item no.
365 (14.37)	30 (1.01)	standard	10	5378-5021 N4
365 (14.37)	30 (1.01)	sterilized	10	5378-5022 N4



Disposable funnel for liquids



Disposable funnel for reliable filling of liquids, ideal for filling bottles and other containers with a narrow filler opening. The disposable funnel ensures no loss when transferring liquid samples or free-flowing solids. That makes this practical and hygienic pouring aid a helpful accessory for sampling or in laboratories.

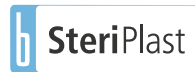
Disposable funnel for liquids

- ▶ PS, white
- ▶ Clean room manufactured (clean room class 7)
- ▶ Individually packaged



Disposable funnel for liquids, sterile

- ▶ PS, white
- ▶ Clean room manufactured (clean room class 7)
- ▶ Individually packaged and sterilized



Disposable funnel for liquids					
Outer dia. mm (in.)	Outlet dia. mm (in.)	Pieces per pack	Item no.		
100 (3.94)	10 (0.39)	10	5378-6001	N4	

Disposable funnel for liquids, sterile						
Outer dia. mm (in.)	Outlet dia. mm (in.)	Pieces per pack	Item no.			
100 (3.94)	10 (0.39)	10	5378-6002	N4		

Disposable powder funnel



The disposable powder funnel has a short, wide discharge and is suitable for transferring powdered samples and materials, granulates and suspensions as well as other liquids. The wide opening of the disposable powder funnel prevents the powder or granulates from clogging while dispensing. That makes this practical and hygienic pouring aid a helpful accessory for sampling or in laboratories.

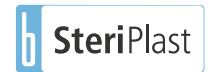
Disposable powder funnel

- ▶ PS, white
- ▶ Clean room manufactured (clean room class 7)
- ▶ Individually packaged



Disposable powder funnel, sterile

- ▶ PS, white
- ▶ Clean room manufactured (clean room class 7)
- ▶ Individually packaged and sterilized



Disposable powder funnel					
Outer dia. mm (in.)	Outlet dia. mm (in.)	Pieces per pack	Item no.		
100 (3.94)	25 (0.98)	10	5378-6005	N4	

Disposable powder funnel, sterile						
Outer dia. mm (in.)	Outlet dia. mm (in.)	Pieces per pack	Item no.			
100 (3.94)	25 (0.98)	10	5378-6006	N4		

The purity of disposable products and ecological sustainability combined perfectly!



With our **LaboPlast® Bio** and **SteriPlast® Bio** product lines, we offer you products that feature all the properties for high-quality sampling. The improved specifications in this area can in part only be realised with disposable products. However to take into account environmental awareness and to safeguard ecologically sustainable trade, we now also offer these disposable products made of bio-plastic. **LaboPlast®** bio-products are only manufactured from renewable raw materials. **SteriPlast®** bio-products are also sterilized by gamma rays.



Green PE



Environmentally friendly & sustainable

- ▶ Product made of bio-plastic
- ▶ Made of sustainable raw materials, dispensing with fossil materials
- ▶ CO₂ saving and thus reduction of the greenhouse effect
- ▶ 100 % recyclable

Bio sample scoop



The Bio sample scoop made of green PE is produced in our clean room of class 7 (10,000) and individually packaged for disposable use.

Green PE bio-plastic has all the suitable properties of conventional polyethylene but is manufactured from renewable raw materials and can be completely recycled.

The sample scoop is ideal for powders, granulates and pastes.

- ▶ Product made of renewable raw materials
- ▶ Bio-PE, white
- ▶ Production according to clean room class 7
- ▶ Complies with EU food requirements and FDA regulations

LaboPlast® Bio scoop

- ▶ Individually packaged

SteriPlast® Bio sample scoop

- ▶ Individually packaged and sterilized by gamma rays



LaboPlast® Bio scoop						
Capacity ml (oz.)	Length mm (in.)	Pieces per pack	Item no.			
25 (0.85)	141 (5.55)	10	5379-0001	N4		
50 (1.69)	160 (6.30)	10	5379-0003	N4		
100 (3.38)	205 (8.07)	10	5379-0005	N4		
150 (5.07)	216 (8.50)	10	5379-0007	N4		
SteriPlast® Bio sample scoop						
Capacity ml (oz.)	Length mm (in.)	Pieces per pack	Item no.			
25 (0.85)	141 (5.55)	10	5379-1001	N4		
50 (1.69)	160 (6.30)	10	5379-1003	N4		
100 (3.38)	205 (8.07)	10	5379-1005	N4		
150 (5.07)	216 (8.50)	10	5379-1007	N4		

Sampling scoop, long handle, disposable, Bio



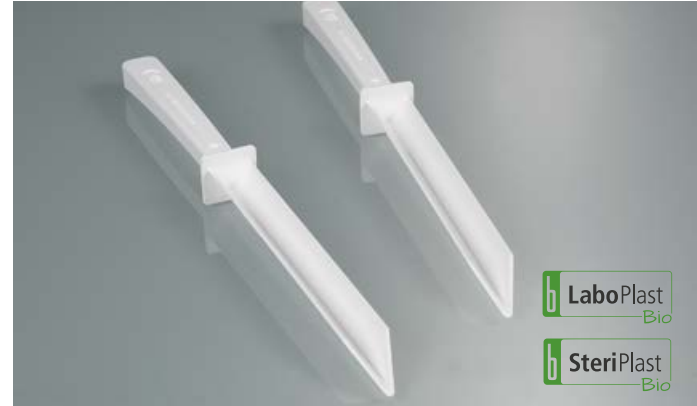
The sampling scoop can be used to take samples of powders, granulates and pastes. The long handle makes it possible to sample larger containers even with little content or to reach through narrow openings. With the straight bottom of the scoop, the medium can be scooped up directly from the bottom of the container. The disposable scoop is suitable for sensitive areas of pharmaceuticals and chemistry as well as the food and cosmetics industries.

- ▶ Product made from renewable raw materials
- ▶ Bio-PE, white
- ▶ Individually packaged and optionally sterilized
- ▶ Handle length 300 mm (11.81 in.)
- ▶ For single use
- ▶ Clean room manufactured (clean room class 7)
- ▶ Complies with EU food requirements and FDA regulations

Sampling scoop, long handle, disposable Bio

Total length mm (in.)	Capacity ml (oz.)	Model	Pieces per pack	Item no.	
390 (15.35)	50 (1.69)	standard	10	5379-0024	N4
390 (15.35)	50 (1.69)	sterilized	10	5379-1024	N4
415 (16.34)	100 (3.38)	standard	10	5379-0025	N4
415 (16.34)	100 (3.38)	sterilized	10	5379-1025	N4

Bio sample spatula



The disposable spatula made of green PE is produced in our clean room of class 7 (10,000) and individually packaged for disposable use. Green PE bio-plastic has all the suitable properties of conventional polyethylene and can be completely recycled but is manufactured from renewable raw materials.

As a result of the long, ergonomically-shaped, stable handle and a sharp blade, it is possible to even penetrate directly into containers such as paper or plastic sacks. The spatula is ideal for sampling powders, granulates and pastes.

LaboPlast® Bio spatula

- ▶ Individually packaged

SteriPlast® Bio sample spatula

- ▶ Individually packaged and sterilized by gamma rays

LaboPlast® Bio spatula

Total length mm (in.)	Insertion depth mm (in.)	Pieces per pack	Item no.
263 (10.35)	150 (5.91)	10	5379-0009 N4

SteriPlast® Bio sample spatula

Total length mm (in.)	Insertion depth mm (in.)	Pieces per pack	Item no.
263 (10.35)	150 (5.91)	10	5379-1009 N4

Bio sample spoons



The disposable spoon made of green PE is produced in our clean room of class 7 (10,000) and individually packaged for disposable use. Green PE bio-plastic has all the suitable properties of conventional polyethylene but is manufactured from renewable raw materials and can be completely recycled. The disposable spoon is available in two sizes, 2.5 ml (0.08 oz.) (similar to a teaspoon) and 10 ml (0.34 oz.) (similar to a tablespoon), and is ideal for sampling powders, granulates and fluids.

LaboPlast® Bio spoon

- ▶ Individually packaged

SteriPlast® Bio sample spoon

- ▶ Individually packaged and sterilized by gamma rays

LaboPlast® Bio spoon						
Length mm (in.)	Capacity ml (oz.)	Pieces per pack	Item no.			
127 (5.00)	2.5 (0.08)	100	5379-0011 N4			
170 (6.69)	10 (0.34)	100	5379-0012 N4			

SteriPlast® Bio sample spoon						
Length mm (in.)	Capacity ml (oz.)	Pieces per pack	Item no.			
127 (5.00)	2.5 (0.08)	100	5379-1011 N4			
170 (6.69)	10 (0.34)	100	5379-1012 N4			

Sampling spoon, long handle, disposable



Sampling spoon, long handle, disposable Bio

The long handle makes it easy to reach the bottoms of larger containers as well and allows for sampling of drums, jerrycans and bottles with small opening diameters.

Sampling spoon curved, long handle, disposable Bio

The long handle of the plastic spoon makes it possible to empty residue from large containers easily and can also reach into places that are hard to reach such as jerrycans with narrow necks.

- ▶ Product made from renewable raw materials
- ▶ Bio-PE, white
- ▶ Individually packaged and optionally sterilized

Sampling spoon, long handle, disposable Bio							
Total length mm (in.)	Capacity ml (oz.)	Model	Pieces per pack	Item no.			
355 (13.98)	5 (0.17)	standard	10	5379-0021 N4			
355 (13.98)	5 (0.17)	sterilized	10	5379-1021 N4			
375 (14.76)	20 (0.68)	standard	10	5379-0022 N4			
375 (14.76)	20 (0.68)	sterilized	10	5379-1022 N4			

Sampling spoon curved, long handle, disposable Bio							
Total length mm (in.)	Capacity ml (oz.)	Model	Pieces per pack	Item no.			
360 (14.17)	10	standard	10	5379-0023 N4			
360 (14.17)	10 (0.34)	sterilized	10	5379-1023 N4			

Ladle, long handle, disposable Bio

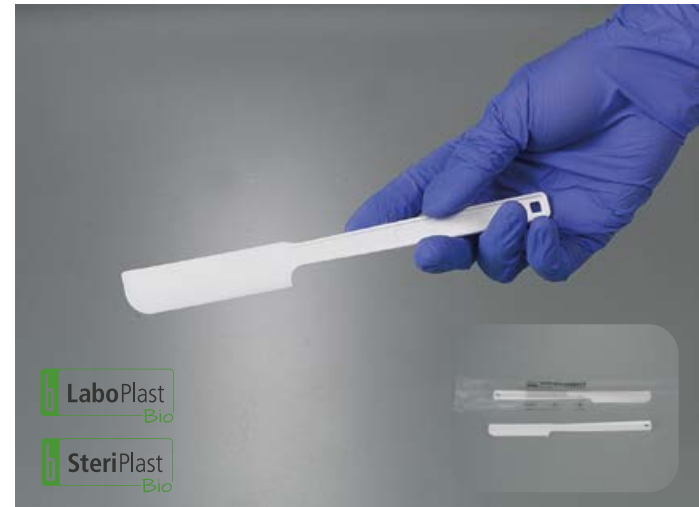


- ▶ Product made from renewable raw materials
- ▶ Bio-PE, white
- ▶ Individually packaged and optionally sterilized

The ladle is suitable for taking samples of liquids and viscous media as well as powders and granulates. The ladle has a very smooth bottom and rounded corners. This makes it possible to reach into any corner of a container or to take medium directly from the bottom of the container. A long handle with indentations for fingers ensures a firm hold and precise work. The disposable ladle can be used in the pharmaceutical industry, chemistry and cosmetics and the food and animal feed industries.

Ladle, long handle, disposable Bio				
Total length mm (in.)	Capacity ml (oz.)	Model	Pieces per pack	Item no.
365 (14.37)	30 (1.01)	standard	10	5379-0026 N4
365 (14.37)	30 (1.01)	sterilized	10	5379-1026 N4

Sampling palette knife spatula, Bio



The sampling palette knife spatula can be used to apply, distribute or evenly spread viscous media such as pastes and creams. The palette knife spatula reaches easily into the corners and curves of various containers and is suitable for scraping out bowls, removing residue or wiping off Bürkle's volumetric and dosing spoons. The dimensionally stable long edge of the plastic scraper is ideal for cutting viscous media. A small tip on the long edge can be used for ripping, for example packaging film. The scraper is also suitable for stirring and blending. The disposable sampling palette knife spatula is suitable for use in the pharmaceutical industry, chemistry, cosmetics and food & beverage.

- ▶ Product made from renewable raw materials
- ▶ Bio PE, white, flexible and break-proof
- ▶ Optionally packaged individually and sterilized

Sampling palette knife spatula, disposable Bio			
Model	Pieces per pack	Item no.	
Large package	100	5379-0035	N4
sterilized, packaged individually	100	5379-1035	N4

Disposable funnel for liquids Bio



Disposable funnel for reliable filling of liquids, ideal for filling bottles and other containers with a narrow filler opening. The disposable funnel ensures no loss when transferring liquid samples or free-flowing solids. That makes this practical and hygienic pouring aid a helpful accessory for sampling or in laboratories.

Disposable funnel for liquids Bio

- ▶ Bio-PE, white
- ▶ Product made from renewable raw materials
- ▶ Clean room manufactured (clean room class 7)
- ▶ Individually packaged

Disposable funnel for liquids Bio, sterile

- ▶ Bio-PE, white
- ▶ Product made from renewable raw materials
- ▶ Clean room manufactured (clean room class 7)
- ▶ Individually packaged and sterilized



Disposable funnel for liquids Bio			
Outer dia. mm (in.)	Outlet dia. mm (in.)	Pieces per pack	Item no.
100 (3.94)	10 (0.39)	10	5379-0040 N4

Disposable funnel for liquids Bio, sterile			
Outer dia. mm (in.)	Outlet dia. mm (in.)	Pieces per pack	Item no.
100 (3.94)	10 (0.39)	10	5379-1040 N4

Disposable powder funnel Bio



The disposable powder funnel has a short, wide discharge and is suitable for transferring powdered samples and materials, granulates and suspensions as well as other liquids. The wide opening of the disposable powder funnel prevents the powder or granulates from clogging while dispensing. That makes this practical and hygienic pouring aid a helpful accessory for sampling or in laboratories.

Disposable powder funnel Bio

- ▶ Bio-PE, white
- ▶ Product made from renewable raw materials
- ▶ Clean room manufactured (clean room class 7)
- ▶ Individually packaged

Disposable powder funnel Bio, sterile

- ▶ Bio-PE, white
- ▶ Product made from renewable raw materials
- ▶ Clean room manufactured (clean room class 7)
- ▶ Individually packaged and sterilized



Disposable powder funnel Bio			
Outer dia. mm (in.)	Outlet dia. mm (in.)	Pieces per pack	Item no.
100 (3.94)	25 (0.98)	10	5379-0041 N4

Disposable powder funnel Bio, sterile			
Outer dia. mm (in.)	Outlet dia. mm (in.)	Pieces per pack	Item no.
100 (3.94)	25 (0.98)	10	5379-1041 N4

Disposable sampler, blue



The shade of blue that is used does not occur in a natural form in foodstuffs. Because of this, blue products or parts of them can be quickly found and easily identified in a visual check if they are ever mixed into production.

The use of blue tools thus helps to meet the requirements of the HACCP hazard analysis and assessment in reference to foreign objects. This is an important criterion, especially in food processing and production and in the animal feed and pharmaceutical industry.

- ▶ Can be used as part of HACCP/IFS/BRC foreign object management
- ▶ Especially for the food, animal feed and pharmaceutical industries
- ▶ PS, blue
- ▶ Individually packaged and sterilized by gamma rays
- ▶ Production, assembly and packaging according to clean room class 7
- ▶ Complies with EU food requirements and FDA regulations

Food scoop, blue



SteriPlast



The SteriPlast® food scoop, made of blue polystyrene, is produced in our class 7 clean room (10,000), individually packaged for disposable use and then sterilized by gamma rays.

The food scoop is ideal for powders, granulates and pastes.

Food scoop, blue

Capacity ml (oz.)	Length mm (in.)	Pieces per pack	Item no.
25 (0.85)	141 (5.55)	10	5378-3001 N4
50 (1.69)	160 (6.30)	10	5378-3003 N4
100 (3.38)	205 (8.07)	10	5378-3005 N4
150 (5.07)	216 (8.50)	10	5378-3007 N4
250 (8.45)	232 (9.13)	10	5378-3013 N4
500 (16.91)	280 (11.02)	10	5378-3015 N4
1000 (33.81)	332 (13.07)	10	5378-3019 N4
2000 (67.63)	381 (15.00)	10	5378-3020 N4



Food scoop, long handle, blue



The sampling scoop can be used to take samples of powders, granulates and pastes. The long handle makes it possible to sample larger containers even with little content or to reach through narrow openings. With the straight bottom of the scoop, the medium can be scooped up directly from the bottom of the container. The disposable scoop is suitable for sensitive areas of pharmaceuticals and chemistry as well as the food and cosmetics industries.

- ▶ PS, blau
- ▶ Einzeln verpackt und sterilisiert
- ▶ Handle length 300 mm (11.81 in.)
- ▶ For single use
- ▶ Clean room manufactured (clean room class 7)
- ▶ Complies with EU food requirements and FDA regulations

Food scoop, long handle, blue

Total length mm (in.)	Capacity ml (oz.)	Pieces per pack	Item no.	
390 (15.35)	50 (1.69)	10	5378-5015	N4
415 (16.34)	100 (3.38)	10	5378-5019	N4

Spatula for foodstuffs, blue



The SteriPlast® spatula for foodstuffs, made of polystyrene, is produced in our class 7 clean room (10,000), individually packaged for disposable use and then sterilized by gamma rays. As a result of the long, ergonomically-shaped, stable handle and a sharp blade, it is possible to even penetrate directly into containers such as paper or plastic sacks. The spatula for foodstuffs is ideal for sampling powders, granulates and pastes.

- ▶ PS, blau
- ▶ Individually packaged and sterilized by gamma rays
- ▶ Production, assembly and packaging according to clean room class 7
- ▶ Complies with EU food requirements and FDA regulations

Spatula for foodstuffs, blue

Total length mm (in.)	Insertion depth mm (in.)	Pieces per pack	Item no.	
263 (10.35)	150 (5.91)	10	5378-3009	N4



Spoon for foodstuffs, blue



The SteriPlast® spoon for foodstuffs, made of polystyrene, is produced in our class 7 clean room (10,000), individually packaged for disposable use and then sterilized by gamma rays. The spoon for foodstuffs is available in two sizes, 2.5 ml (0.08 oz.) (similar to a teaspoon) and 10 ml (0.34 oz.) (similar to a tablespoon), and is ideal for sampling powders, granulates, pastes and fluids.



- ▶ PS, blue
- ▶ Individually packaged and sterilized by gamma rays
- ▶ Production, assembly and packaging according to clean room class 7
- ▶ Complies with EU food requirements and FDA regulations

Spoon for foodstuffs, blue

Length mm (in.)	Capacity ml (oz.)	Pieces per pack	Item no.	
127 (5.00)	2.5 (0.08)	100	5378-3011	N4
170 (6.69)	10 (0.34)	100	5378-3012	N4

Food spoons, long handle, blue



Food spoons, long handle, blue

The long handle makes it easy to reach the bottoms of larger containers as well and allows for sampling of drums, jerrycans and bottles with small opening diameters.

Sampling spoon curved, long handle, blue

The long handle of the plastic spoon makes it possible to empty residue from large containers easily and can also reach into places that are hard to reach such as jerrycans with narrow necks.

- ▶ PS, blue
- ▶ Complies with EU food requirements and FDA regulations
- ▶ Handle length 300 mm (11.81 in.)
- ▶ Clean room manufactured (clean room class 7)
- ▶ Individually packaged and sterilized

Food spoons, long handle, blue

Total length mm (in.)	Capacity ml (oz.)	Pieces per pack	Item no.	
355 (13.98)	5 (0.17)	10	5378-5003	N4
375 (14.76)	20 (0.68)	10	5378-5007	N4

Sampling spoon curved, long handle, blue

Total length mm (in.)	Capacity ml (oz.)	Pieces per pack	Item no.	
360 (14.17)	10 (0.34)	10	5378-5011	N4

Ladle, long handle, disposable, blue



The ladle is suitable for taking samples of liquids and viscous media as well as powders and granulates. The ladle has a very smooth bottom and rounded corners. This makes it possible to reach into any corner of a container or to take medium directly from the bottom of the container. A long handle with indentations for fingers ensures a firm hold and precise work. The disposable ladle can be used in the pharmaceutical industry, chemistry and cosmetics and the food and animal feed industries.

- ▶ PS, blue
- ▶ Individually packaged and sterilized
- ▶ Reaches into any corner
- ▶ Handle length 300 mm (11.81 in.)
- ▶ For single use
- ▶ Clean room manufactured (clean room class 7)
- ▶ Complies with EU food requirements and FDA regulations

Ladle, long handle, disposable, blue

Total length mm (in.)	Capacity ml (oz.)	Pieces per pack	Item no.
365 (14.37)	30 (1.01)	10	5378-5023 N4

Measuring spoons, blue



Volumetric and dosing spoons can be used to measure small amounts of powder, granulates and liquids exactly and dose them precisely. For precise measuring, excess medium is stripped off the upper edge of the spoon. Available either in a large package with 100 pieces or 100 pieces packaged individually and radiation sterilized.

- ▶ PS, blue
- ▶ Optionally packaged individually and sterilized

Measuring spoons, blue

Capacity ml (oz.)	Model	Pieces per pack	Item no.
0,5 (0.02)	large package	100	5378-4044 N4
0,5 (0.02)	sterilized, packaged individually	100	5378-4045 N4
1 (0.03)	large package	100	5378-4046 N4
1 (0.03)	sterilized, packaged individually	100	5378-4047 N4
2,5 (0.08)	large package	100	5378-4048 N4
2,5 (0.08)	sterilized, packaged individually	100	5378-4049 N4
5 (0.17)	large package	100	5378-4050 N4
5 (0.17)	sterilized, packaged individually	100	5378-4051 N4
10 (0.34)	large package	100	5378-4052 N4
10 (0.34)	sterilized, packaged individually	100	5378-4053 N4
15 (0.51)	large package	100	5378-4054 N4
15 (0.51)	sterilized, packaged individually	100	5378-4055 N4
25 (0.85)	large package	100	5378-4056 N4
25 (0.85)	sterilized, packaged individually	100	5378-4057 N4
50 (1.69)	large package	100	5378-4058 N4
50 (1.69)	sterilized, packaged individually	100	5378-4059 N4

Scraper for foodstuffs, blue



The SteriPlast® scraper for foodstuffs, made of blue polystyrene, is produced in our class 7 clean room (10,000), individually packaged for disposable use and then sterilized by gamma rays. Sturdy and convenient scraper for disposable use. The scraper is suitable for scraping off, smoothing or cleaning as well as removing residue.

- ▶ PS, blue
- ▶ Individually packaged and sterilized by gamma rays
- ▶ Production, assembly and packaging according to clean room class 7
- ▶ Complies with EU food requirements and FDA regulations



Scraper for foodstuffs, blue

L x W mm (in.)
200 x 80 (7.87 x 3.15)

Pieces per pack
10



Item no.
5378-3030 N4

Food palette knife spatula, blue



The sampling palette knife spatula can be used to apply, distribute or evenly spread viscous media such as pastes and creams. The palette knife spatula reaches easily into the corners and curves of various containers and is suitable for scraping out bowls, removing residue or wiping off Bürkle's volumetric and dosing spoons.

The dimensionally stable long edge of the plastic scraper is ideal for cutting viscous media. A small tip on the long edge can be used for ripping, for example packaging film. The scraper is also suitable for stirring and blending.

The disposable sampling palette knife spatula is suitable for use in the pharmaceutical industry, chemistry, cosmetics and food & beverage.

- ▶ PS, blue
- ▶ Individually packaged and sterilized

Food palette knife spatula, blue

Pieces per pack
100



Item no.
N4

Single-use tweezers, blue



The disposable forceps are suitable for precise lab work and are ideal for grasping, lifting and moving small objects, for example fine tissue, small items or solid samples.

- ▶ PS, blue
- ▶ Individually packaged and sterilized
- ▶ For single use
- ▶ Clean room manufactured (clean room class 7)
- ▶ Complies with EU food requirements and FDA regulations
- ▶ Overall length 130 mm (5.12 in.)



Single-use tweezers, blue



Shape	Pieces per pack	Item no.
pointed/angled	100	5378-1050 N4
pointed	100	5378-1051 N4
broad tip	100	5378-1052 N4

Blue disposable funnels for liquids



Disposable funnel for reliable filling of liquids, ideal for filling bottles and other containers with a narrow filler opening.

The disposable funnel ensures no loss when transferring liquid samples or free-flowing solids. That makes this practical and hygienic pouring aid a helpful accessory for sampling or in laboratories.

Clean room produced funnel with suspension eye and venting fins for ventilation to ensure uniform flow while pouring.

- ▶ PS, blue
- ▶ Clean room manufactured (clean room class 7)
- ▶ Individually packaged and sterilized



Blue disposable funnels for liquids

Outer dia. mm (in.)	Outlet dia. mm (in.)	Pieces per pack	Item no.			
100 (3.94)	10 (0.39)	10	5378-6003	N4		

Blue disposable powder funnels



The disposable powder funnel has a short, wide discharge and is suitable for transferring powdered samples and materials, granulates and suspensions as well as other liquids.

The wide opening of the disposable powder funnel prevents the powder or granulates from clogging while dispensing. That makes this practical and hygienic pouring aid a helpful accessory for sampling or in laboratories.

- ▶ PS, blue
- ▶ Clean room manufactured (clean room class 7)
- ▶ Individually packaged and sterilized



Blue disposable powder funnels

Outer dia. mm (in.)	Outlet dia. mm (in.)	Pieces per pack	Item no.			
100 (3.94)	25 (0.98)	10	5378-6007	N4		

DispoDipper



Sampling tube manufactured in a clean room specially designed for disposable use. Due to the blue color, it is also perfect for use in the food, animal feed and pharmaceutical industries. The scaled sample container can be used for an exact measurement. After sampling, the container can be closed and is leakproof. The closed handle structure ensures secure handling. The sample container is available with 50 ml / 1.5 oz., 100 ml / 3.5 oz. or 250 ml / 8.0 oz. content. Depending on the design, container openings can be sampled from a diameter of 52 mm (2.05 in.) (2" barrel opening), 65 mm (2.56 in.) or 85 mm (3.35 in.). This makes DispoDipper ideal for extracting samples from barrels, canisters and other containers. DispoDipper is completely manufactured in one piece and can be used for sampling and subsequent transport of the sample in one device. In this way, cross-contamination or sample impurities are impossible.

- ▶ PP, blue transparent
- ▶ Individually packaged and optionally sterilized by gamma rays
- ▶ Production and packaging according to clean room class 7
- ▶ Complies with EU food requirements and FDA regulations
- ▶ Scaled sampling tube volume in ml and oz.
- ▶ Immersion depth 270 mm (10.63 in.)

Use

1. For sampling, first unpack the sampler and detach the cover at the predetermined breaking point from the handle.
2. Afterwards extract the sample using the sample container and securely close with the cover.
3. After sampling, the handle at the predetermined breaking point can be detached from the sample container. This allows for easy and space-saving transport of the sample.



LaboPlast



SteriPlast

DispoDipper

Capacity ml (oz.)	Model	Dia. mm (in.)	Height with cap mm (in.)	Total length mm (in.)	Pieces per pack	Item no.
50 (1.69)	standard	40 (1.57)	98 (3.86)	417 (16.42)	20	5393-7000 N4
50 (1.69)	sterilized	40 (1.57)	98 (3.86)	417 (16.42)	20	5393-7001 N4
100 (3.38)	standard	53 (2.09)	98 (3.86)	415 (16.34)	20	5393-7010 N4
100 (3.38)	sterilized	53 (2.09)	98 (3.86)	415 (16.34)	20	5393-7011 N4
250 (8.45)	standard	72 (2.83)	116 (4.57)	429 (16.89)	20	5393-7020 N4
250 (8.45)	sterilized	72 (2.83)	116 (4.57)	429 (16.89)	20	5393-7021 N4



Sampling bag SteriBag Blue



The sterile sampling bag SteriBag Blue is especially well suited for use in the food, animal feed and pharmaceutical industries. To prevent the danger of foreign matter in production, the sample bags and the tear-off closure are colored blue. This shade of blue does not occur in a natural form in foodstuffs. Because of this it is highly visible and can be reliably discovered in a visual check if a bag or parts of it are ever mixed into production.

The disposable sample bag is approved for contact with foods. It is suitable for storing and transporting solid, semi-solid and liquid media.

Thanks to the large opening, the SteriBag Blue can be filled easily. The sample bag with labeling field is space-saving, easy to transport and leak-proof.



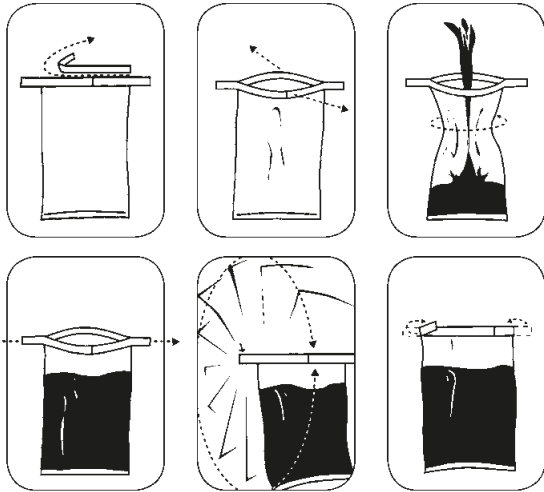
Sampling bag SteriBag Blue

Capacity ml (oz.)	L x W mm (in.)	Pieces per pack	Item no.
650 (21.98)	229 x 140 (9.02 x 5.51)	500	5344-7008 N3
1650 (55.79)	305 x 178 (12.01 x 7.01)	250	5344-7012 N3



- ▶ PE, blue
- ▶ Liquid-tight
- ▶ With labeling field
- ▶ Sterile, RNase, DNase and pyrogen-free

Sampling bag SteriBag | the sterilized packaging bag



The sterile sampling bag SteriBag for samples in chemistry, pharmaceuticals, medicine, veterinary science and foodstuffs etc.

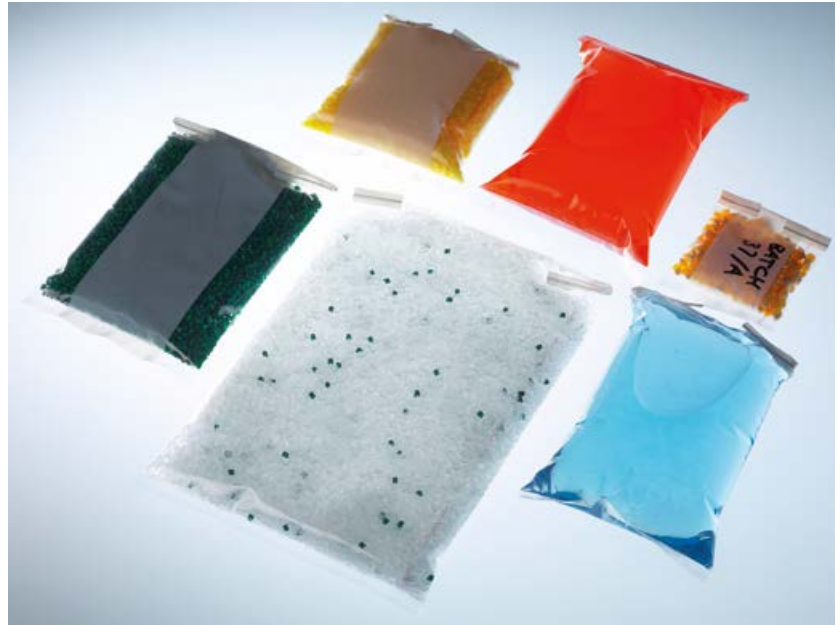
The bags are made of polyethylene and are therefore exceptionally tearproof and leakproof.

The SteriBag sampling bag is distinguished by its safe handling. When used according to instructions, samples are guaranteed sterile.

Integrated safety: The tab-ends are sealed in plastic film to prevent skin injuries.

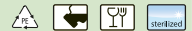
- ▶ Sterile, RNase, DNase and pyrogen-free
- ▶ Can be labeled
- ▶ Leakproof
- ▶ Save space
- ▶ Transparent
- ▶ With practical closure to tear-open
- ▶ Proven millions of times

Bulk prices



Sampling bag SteriBag

Capacity ml (oz.)	Model	L x W mm (in.)	Pieces per pack	Item no.	
60 (2.03)	without labeling area	127 x 76 (5.00 x 2.99)	500	5344-0060	N3
60 (2.03)	with labeling area	127 x 76 (5.00 x 2.99)	500	5344-0061	N3
150 (5.07)	without labeling area	178 x 76 (7.01 x 2.99)	500	5344-0180	N3
150 (5.07)	with labeling area	178 x 76 (7.01 x 2.99)	500	5344-0181	N3
450 (15.22)	without labeling area	229 x 114 (9.02 x 4.49)	500	5344-0540	N3
450 (15.22)	with labeling area	229 x 114 (9.02 x 4.49)	500	5344-0541	N3
650 (21.98)	without labeling area	229 x 140 (9.02 x 5.51)	500	5344-0720	N3
650 (21.98)	with labeling area	229 x 140 (9.02 x 5.51)	500	5344-0721	N3
800 (27.05)	without labeling area	305 x 114 (12.01 x 4.49)	500	5344-0810	N3
800 (27.05)	with labeling area	305 x 114 (12.01 x 4.49)	500	5344-0811	N3
1650 (55.79)	without labeling area	305 x 178 (12.01 x 7.01)	250	5344-1650	N3
1650 (55.79)	with labeling area	305 x 178 (12.01 x 7.01)	250	5344-1651	N3



SteriBag StandUp sample bag



SteriBag StandUp is a sterile sample bag with a stand-up base. The special bottom unfolds as soon as the bag is filled. This makes SteriBag StandUp stable and able to stand on its own without a separate stand or support, leaving both your hands free to take the sample and fill the bag. The wire bracket at the closure keeps the bag open, making it easy and convenient to fill.

The sample bag is the ideal space-saving, unbreakable, inexpensive and sterile replacement for bottles and beakers.

Can be used for samples available as liquids, powders, solids and pastes; suitable for foods and can be frozen.

The stable standing SteriBag StandUp sample bag is easy and safe to transport.

SteriBag StandUp, the sample bag for easy handling of samples.

- ▶ Stands stably
- ▶ Protected against discharge
- ▶ Sterile, RNase, DNase and pyrogen-free
- ▶ With labeling field

SteriBag StandUp sample bag

Capacity ml (oz.)	L x W mm (in.)	Pieces per pack	Item no.	
400 (13.53)	229 x 114 (9.02 x 4.49)	250	5344-0400	N3
600 (20.29)	229 x 152 (9.02 x 5.98)	250	5344-0600	N3

Sampling bag SteriBag Cleanroom



The sampling bag SteriBag Cleanroom with double packaging can be placed directly in the clean room. 25 sample bags are placed in double secondary packaging. They can be removed one after the other and are therefore ideally suited for introducing into the clean room. Then the sterile bags can be used directly in the clean room. SteriBag Cleanroom is sterile inside and outside. This guarantees contamination-free storage and transport of solid, semi-solid and liquid media. The sample bag is perfect for use in chemical and pharmaceutical applications.

The disposable sample bag has a labeling field, saves space and is also easy to transport. The large bag opening makes it easy to pour in the sample.

- ▶ Sterile, with double packaging
- ▶ RNase, DNase and pyrogen-free
- ▶ PE, transparent
- ▶ Liquid-tight
- ▶ With labeling field

Sampling bag SteriBag Cleanroom

Capacity ml (oz.)	L x W mm (in.)	Pieces per pack	Item no.	
800 (27.05)	305 x 114 (12.01 x 4.49)	500	5344-8010	N3
1650 (55.79)	305 x 178 (12.01 x 7.01)	250	5344-8012	N3

SteriBag Premium tamper-proof sample bag



The SteriBag Premium sample bags uniquely combine a high degree of security, sterility, tamper evident closure and traceability, they are used to securely transport and for the storage of samples.

After sampling, the sample can be filled directly into the sterile sample bag. The tamper-evident closure seals the bag liquid-tight and secure. When trying to open the closure again, the word "STOP" appears clearly visible. Both the sample bag and the tear-off field are labeled with a unique tracking number, this allows a complete documentation and traceability.

SteriBag Premium is suitable for many demanding applications in the food, pharmaceutical, medical area as well as in cleanroom or biotechnology sectors.

- ▶ Sterilized by gamma rays (SAL 10⁻⁶)
- ▶ With integrated tamper-proof closure for manipulation evidence
- ▶ Unique identification via tracking number
- ▶ Suitable for the use with foodstuffs

SteriBag Premium tamper-proof sample bag			
Capacity ml (oz.)	L x W mm (in.)	Pieces per pack	Item no.
300 (10.14)	200x145 (7.87x5.71)	100	5344-8000 N4



SteriPlast® Kit – sterile sampling set



The sampling set SteriPlast® Kit consists of ten sample spatulas or ten sample scoops and ten SteriBag Premium tamper-proof sample bags. Thus the SteriPlast® Kit is the ideal combination for sampling where purity and sterility is essential. All parts are sterilized by gamma rays and suitable for use with foodstuffs. The scoops or spatulas are clean room manufactured and individually packed. The sample bag SteriBag Premium has an integrated sealing and is liquid-tight. A unique tracking code on both the bag and the tear-off field guarantees complete documentation and traceability.

SteriPlast® Kit including scoop 50 ml (1.69 oz.) or spatula 150 mm (5.91 in.) insertion depth, and SteriBag Premium 300 ml (10.14 oz.).

- ▶ Scoop 50 ml (1.69 oz.) & bag SteriBag Premium 300 ml (10.14 oz.)
- ▶ Spatula 150 mm (5.91 in.) insertion depth & bag SteriBag Premium 300 ml (10.14 oz.)

SteriPlast® Kit – sterile sampling set		
Model	Pieces per pack	Item no.
Scoop & bag	10	5378-8003 N4
Spatula & bag	10	5378-8009 N4



Micro-spatula, disposable



Double scoop spatula with rounded ends, content 1.0 (0.03 oz.) and 0.25 ml (0.01 oz.), total length 180 mm (7.09 in.). The micro spatula can be used to sample, transfer or process small amounts of chemicals, powders, granulates, pastes, creams or liquids. The sturdy and convenient center handle facilitates precise work.

Clean room manufactured, available either in a large package with 100 pieces or 100 pieces packaged individually and sterilized by gamma rays.



- ▶ PS
- ▶ Production, assembly and packaging according to clean room class 7
- ▶ Complies with EU food requirements and FDA regulations
- ▶ Optionally packaged individually and sterilized by gamma rays

Micro spatula stainless steel



The micro spatula can be used for reliably measuring, sampling or processing small amounts of powder, chemicals, pastes, creams or active ingredients. The laboratory scoop is made of stainless steel and is manufactured entirely without edges, crevices or undercuts. This excludes the possibility of impurities or cross-contamination, since no product residue or cleaning agents can be deposited.

The micro spatula is ideal for use in the pharmaceutical industry as well as food & beverage and cosmetics.

- ▶ Stainless steel AISI 304 (1.4301)
- ▶ High-gloss polished
- ▶ Contents 1.25 ml (0.04 oz.)



Micro-spatula, disposable

Model	Pieces per pack	Item no.	
Large package	100	5378-0032	N4
sterilized, packaged individually	100	5378-1032	N4



Micro spatula stainless steel

Total length mm (in.)	Item no.	
170 (6.69)	5386-0001	N4



Spoon spatula, disposable



SteriPlast

LaboPlast

The spoon spatula is a double spatula with a 0.5 ml (0.02 oz.) spoon and a 17 mm (0.67 in.) spatula blade, total length 178 mm (7.01 in.). The spoon spatula has many different uses in labs – as a sampling spoon, for measuring or transferring small amounts, as a scraper or for mixing and stirring. Specially designed for disposable use, resistant to chemicals and corrosion-proof. Clean room manufactured, available either in a large package with 100 pieces or 100 pieces packaged individually and sterilized by gamma rays.

- ▶ PS
- ▶ Production, assembly and packaging according to clean room class 7
- ▶ Complies with EU food requirements and FDA regulations
- ▶ Optionally packaged individually and sterilized by gamma rays



Spoon spatula, disposable

Model	Pieces per pack	Item no.	
Large package	100	5378-0031	N4
sterilized, packaged individually	100	5378-1031	N4



Spoon spatula stainless steel



The spatula-spoon can be used in many different applications. The double-sided multi-purpose spoon is a spoon on one side and a spatula on the other. This makes it possible to sample and process a variety of media such as powders, granulates, pastes and liquids. The spoon side of the spoon-spatula holds 4 ml (0.14 oz.) or 11 ml (0.37 oz.) respectively.

Manufactured from a single piece of stainless steel, the spoon-spatula has no edges, crevices or undercuts. Because of this, product residue or cleaning agents cannot be deposited and the possibility of cross-contamination or impurities is excluded. That makes the poly-spoon ideal for use in chemistry, the pharmaceutical industry, cosmetics and the food industry.

- ▶ Stainless steel AISI 304 (1.4301)
- ▶ High-gloss polished
- ▶ Double-sided function

Spoon spatula stainless steel

Total length mm (in.)	Item no.	
180 (7.09)	5386-0022	N4
300 (11.81)	5386-0025	N4



Sampling spoon curved, long handle



The spoon with curved spoon bowl is suitable for a wide range of different media including powders, granulates, pastes and liquids. The angled spoon shape is also good for reaching into the corners of a container. The long handle of the plastic spoon makes it possible to empty residue from large containers easily and can also reach into places that are hard to reach such as jerrycans with narrow necks. The sampling spoon can be used in pharmaceutical applications, in the chemical industry and for food and cosmetics.

- ▶ PS, white
- ▶ Individually packaged and optionally sterilized
- ▶ With curved spoon shape
- ▶ Handle length 300 mm (11.81 in.)
- ▶ For single use
- ▶ Clean room manufactured (clean room class 7)
- ▶ Complies with EU food requirements and FDA regulations



Sampling spoon curved, long handle, disposable

Total length mm (in.)	Capacity ml (oz.)	Model	Pieces per pack	Item no.	
360 (14.17)	10 (0.34)	standard	10	5378-5009	N4
360 (14.17)	10 (0.34)	sterilized	10	5378-5010	N4



Sample-spoon



Sampling spoon for withdrawing small quantities of samples. This specially shaped spoon lets you reach almost every corner in a container and prevents samples from trickling out.

- ▶ Made of AISI 304 (1.4301) stainless steel
- ▶ Largely chemical resistant (not against acids and alkalis)

Sample-spoon

Length mm (in.)	Capacity ml (oz.)	Item no.	
150 (5.91)	2 (0.07)	5320-0150	N4
180 (7.09)	2 (0.07)	5320-0180	N4
210 (8.27)	2 (0.07)	5320-0210	N4
300 (11.81)	9 (0.30)	5320-0300	N4
400 (15.75)	9 (0.30)	5320-0400	N4
500 (19.69)	9 (0.30)	5320-0500	N4



Sampling palette knife spatula white



The sampling palette knife spatula can be used to apply, distribute or evenly spread viscous media such as pastes and creams. The palette knife spatula reaches easily into the corners and curves of various containers and is suitable for scraping out bowls, removing residue or wiping off Bürkle's volumetric and dosing spoons.

The dimensionally stable long edge of the plastic scraper is ideal for cutting viscous media. A small tip on the long edge can be used for ripping, for example packaging film. The scraper is also suitable for stirring and blending.

The disposable sampling palette knife spatula is suitable for use in the pharmaceutical industry, chemistry, cosmetics and food & beverage.

- ▶ PS, white
- ▶ Optionally packaged individually and sterilized
- ▶ L x W 192 x 20 mm (7.56 x 0.79 in.)
- ▶ For single use
- ▶ Clean room manufactured (clean room class 7)
- ▶ Complies with EU food requirements and FDA regulations



Sampling palette knife spatula white, disposable

Model	Pieces per pack	Item no.	
Large package	100	5378-0035	N4
sterilized, packaged individually	100	5378-1035	N4

Palette knife spatula stainless steel



Similar to a pallet or dispensing chemist's spatula, this palette knife spatula is suitable for applying or distributing viscous media such as pastes and creams, or for spreading them smoothly. The high-quality stainless steel spatula is manufactured with no edges or crevices. That makes cleaning easier and prevents product residue and cleaning agents from accumulating.

The spatula has a long, narrow, high-gloss polished blade that facilitates precise work. The sturdy handle fits comfortably in the hand. The laboratory spatula is suitable for use in chemical and pharmaceutical applications.

- ▶ Stainless steel AISI 304 (1.4301)
- ▶ Very sturdy



Palette knife spatula stainless steel

L x W mm (in.)	Item no.		
200 x 21 (7.87 x 0.83)	5386-0010	N4	
250 x 25 (9.84 x 0.98)	5386-0012	N4	

Scraper, white



The scraper, made of polystyrene, is produced in our class 7 clean room (10,000) and individually packaged for disposable use. Sturdy and convenient scraper for disposable use. The scraper is suitable for scraping off, smoothing or cleaning as well as removing residue.

Scraper LaboPlast®, disposable

- ▶ Individually packaged

Scraper SteriPlast®

- ▶ Individually packaged and sterilized by gamma rays



Scraper LaboPlast®, disposable

L x W mm (in.)	Pieces per pack	Item no.
200 x 80 (7.87 x 3.15)	10	5378-0030 N4

Scraper SteriPlast®

L x W mm (in.)	Pieces per pack	Item no.
200 x 80 (7.87 x 3.15)	10	5378-1030 N4

Stainless steel scraper



The high-quality scraper is suitable for scraping off, smoothing, cleaning, leveling out and also for removing strongly adhesive, sticky substances or dried up media. The edge of the corrosion-resistant stainless steel scraper is ideal for blending and portioning viscous media.

The smooth, seamless and sturdy surface ensures cleaning without difficulty and meets hygienic requirements.

The scraper makes a suitable implement for use in laboratories, production and clean rooms. It is ideal for use under rugged conditions in pharmaceuticals, chemistry, cosmetics, animal feed and food & beverage.

- ▶ High-grade stainless steel V4A (1.4404), for ideal chemical resistance
- ▶ Extra sturdy design guarantees long service life
- ▶ Sterilizable, autoclavable

Stainless steel scraper

Length mm (in.)	Width mm (in.)	Item no.
230 (9.06)	75 (2.95)	5386-0030 N4
270 (10.63)	100 (3.94)	5386-0035 N4

Forceps, disposable



The disposable forceps are suitable for precise lab work and are ideal for grasping, lifting and moving small objects, for example fine tissue, small items or solid samples. The fluted handles ensure optimum and secure handling as well as precise work. The light plastic forceps for single use allow for fatigue-free work. The clean room-manufactured lab assistants meet the highest standards and prevent cross-contamination or impurities in the sample being examined.

The lab tweezers are suitable for chemical, pharmaceutical or cosmetic applications as well as the food industry and scientific uses. Available either in a large package with 100 pieces or 100 pieces packaged individually and radiation sterilized.

- ▶ PS, white
- ▶ Optionally packaged individually and sterilized
- ▶ For single use
- ▶ Clean room manufactured (clean room class 7)
- ▶ Complies with EU food requirements and FDA regulations
- ▶ Overall length 130 mm (5.12 in.)

Forceps, disposable

Shape	Model	Pieces per pack	Item no.	
pointed/angled	sterilized, packaged individually	100	5378-1040	N4
pointed/angled	large package	100	5378-0040	N4
pointed	sterilized, packaged individually	100	5378-1041	N4
pointed	large package	100	5378-0041	N4
broad tip	sterilized, packaged individually	100	5378-1042	N4
broad tip	large package	100	5378-0042	N4

Forceps, stainless steel



- ▶ Stainless steel AISI 304 (1.4301)
- ▶ Flutings at the ends and grip for secure handling

Forceps, sharp, bent

Total length mm (in.)	Item no.	
105 (4.13)	5386-0100	N4
130 (5.12)	5386-0102	N4
160 (6.30)	5386-0104	N4

Forceps, sharp, straight

Total length mm (in.)	Item no.	
105 (4.13)	5386-0200	N4
130 (5.12)	5386-0202	N4
160 (6.30)	5386-0204	N4

Forceps, blunt, straight

Total length mm (in.)	Item no.	
105 (4.13)	5386-0300	N4
130 (5.12)	5386-0302	N4
160 (6.30)	5386-0304	N4

Dosing spoons



Dosing and measuring spoons can be used to measure small amounts of powder, granulates and liquids exactly and dose them precisely. For precise measuring, excess medium is stripped off the upper edge of the spoon. The content volume is engraved on the handle.

The flat front edge of the volumetric spoon is ideal for picking up medium from the bottom of the container or for getting into the corners of the container, thus allowing for good emptying of small remaining amounts.

The flat base makes it possible to set the volumetric spoon down without spilling the content. An eyelet in the end of the handle can be used to hang up a spoon or to bundle several together

- ▶ Content volume: 0.5; 1.0; 2.5; 5.0; 10; 15; 25; and 50 ml (0.02; 0.03; 0.08; 0.17; 0.34; 0.51; 0.85; 1.69 oz.)
- ▶ Set of volumetric spoons with eight sizes
- ▶ PS
- ▶ With stripper edge
- ▶ Complies with EU food requirements and FDA regulations



YouTube



Dosing spoon set

Color	Capacity ml (oz.)	Pcs./pack	Item no.		
white	0,5 - 50 (0.02 - 1.69)	8	5378-4120	N4	
blue	0,5 - 50 (0.02 - 1.69)	8	5378-4125	N4	

PharmaScoop



This sample scoop PharmaScoop has been developed in order to meet the high requirements of the pharmaceutical industry, such as those contained in the FDA regulations. Like all samplers for the pharmaceutical industry, they are made of stainless steel AISI 316 without edges, crevices or undercuts in which sample residues could collect and contaminate subsequent samples. The highly polished inner and outer surfaces of the scoop therefore meet all the requirements for GMP compliance in production and sampling.

- ▶ Stainless steel AISI 316 (1.4404)
- ▶ GMP conform
- ▶ Highly polished

EasyScoop



When sampling bulk goods with a high specific weight, conventional scoops subject the user's wrist to great stress. EasyScoop with its centrally arranged inner grip is ergonomically designed and ensures easy and safe work. As EasyScoop is considerably shorter than conventional scoops, it is easier to take samples from narrow containers.

- ▶ Made of light aluminum, bright-anodized

PharmaScoop

Capacity ml (oz.)	Dia. mm (in.)	Length mm (in.)	Item no.			
10 (0.34)	25 (0.98)	45 (1.77)	5324-0010	N4		
50 (1.69)	38 (1.50)	70 (2.76)	5324-0011	N4		
100 (3.38)	50 (1.97)	100 (3.94)	5324-0012	N4		
500 (16.91)	95 (3.74)	140 (5.51)	5324-0018	N4		
750 (25.36)	95 (3.74)	210 (8.27)	5324-0013	N4		
1000 (33.81)	110 (4.33)	235 (9.25)	5324-0014	N4		
1250 (42.27)	125 (4.92)	195 (7.68)	5324-0015	N4		
1700 (57.48)	135 (5.31)	230 (9.06)	5324-0016	N4		
2500 (84.53)	185 (7.28)	215 (8.46)	5324-0017	N4		

PharmaScoop with long handle

Capacity ml (oz.)	Dia. mm (in.)	Length mm (in.)	Total length mm (in.)	Item no.			
1000 (33.81)	110 (4.33)	235 (9.25)	835 (32.87)	5324-0019	N4		

EasyScoop

Capacity ml (oz.)	Length mm (in.)	Weight g (oz.)	Item no.		
1500 (50.72)	200 (7.87)	325 (11.46)	5356-1500	N2	
2000 (67.63)	300 (11.81)	575 (20.28)	5356-2000	N2	

Scoop AISI 304



The stainless steel scoop can be used for taking samples of powders, granulates and pastes. Made of stainless steel AISI 304 (1.4301), the material is sterilizable and autoclavable. The rustproof stainless steel scoop has a smooth, high-gloss polished surface and is food-safe.

The tubular shape makes it easy to immerse the scoop in the medium being sampled. The high sides prevent the sample from trickling out. The round handle offers a good grip. The sturdy scoop is ideal for chemical, pharmaceutical, animal feed and food applications.

- ▶ Stainless steel AISI 304 (1.4301)
- ▶ Sterilizable
- ▶ Robust

Scoop AISI 304

Capacity ml (oz.)	Dia. mm (in.)	Item no.	
120 (4.06)	50 (1.97)	5370-0120	N3
450 (15.22)	75 (2.95)	5370-0450	N3
1000 (33.81)	100 (3.94)	5370-1000	N3
1500 (50.72)	120 (4.72)	5370-1500	N3
2500 (84.53)	150 (5.91)	5370-2000	N3



FoodScoop



Very stable hand scoop for various applications, particularly suited for the food industry. Seamless connection of scoop and hollow handle, therefore without crevices and edges. Especially smooth, highly polished surface.

- ▶ Especially sturdy model
- ▶ Stainless steel AISI 304 (1.4301)



FoodScoop

Capacity ml (oz.)	Total length mm (in.)	L x W mm (in.)	Item no.	
100 (3.38)	215 (8.46)	120 x 60 (4.72 x 2.36)	5371-0100	N3
200 (6.76)	230 (9.06)	140 x 75 (5.51 x 2.95)	5371-0200	N3
250 (8.45)	245 (9.65)	155 x 85 (6.10 x 3.35)	5371-0250	N3
350 (11.83)	290 (11.42)	180 x 100 (7.09 x 3.94)	5371-0350	N3
500 (16.91)	350 (13.78)	220 x 130 (8.66 x 5.12)	5371-0500	N3



Meat sampler for carcass sampling

BeefSteaker



Single-use tweezers see page 113

The BeefSteaker meat sampler for manually cutting out a piece of tissue for microbiological sampling of carcass surfaces. The core bit is drilled in by hand.

Drill head for carcass sampling

The drill head for carcass sampling has a hexagonal socket for bit holders or chucks, suitable for all commonly used cordless screwdrivers or drilling machines.



Meat sampler for microbiological sampling of carcass surfaces. Slaughtering businesses (slaughterhouses, butcher's shops, etc.) are obligated as part of operational process control and for monitoring of slaughter hygiene to conduct regular microbiological examinations of carcasses for cattle, hogs, sheep, goats and horses, etc.

The samplers for carcass sampling are similar to a cork drill. They can be used in the punch process (a destructive process, also called the cork drill or excision process) to remove a circular sample of tissue of 5 cm² (0.76 in²) from the surface.

After the punch sample is cut out, it is removed from the carcass with a scalpel and tweezers.

The sampling drills can also be used for other sampling purposes including histology, medicine, the food and luxury items industries, cheese factories and agriculture. The sharp cutting edge made of stainless steel makes it easy to cut out sample pieces. A hole in the crown prevents air compression and is also used to eject the samples.

The samplers are easy to sterilize, for example by flaming or steam sterilization.

- ▶ For sampling in accordance with DIN EN ISO 17604:2015-12
- ▶ Cutting surface 25 mm (0.98 in.) Ø

BeefSteaker

Dia. mm (in.)
25 (0.98)



Item no.
5388-1000 N4

Drill head for carcass sampling

Dia. mm (in.)
25 (0.98)



Item no.
5388-1010 N4

Ice borer | for deep-frozen and semi-solid substances

Sampler for deep-frozen products in the food and luxury items sector and for semi-solid substances. The very robust hollow drill cuts quickly into the sample material with its sharp sawing crown. A sample cylinder (cross-section sample) can be cut out.

The ice drill can be mounted on your standard commercial drilling machine. The core bit drills quickly and easily down to the desired depth in the frozen material. This makes it possible to cut a representative core sample from all layers of the frozen medium without expending any great effort. Drilling core samples can be taken from a drilling depth of up to 100 (3.94 in.) or 200 (7.87 in.) mm, depending on the design. The ejector makes it easy to release the sample from the drill head.

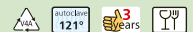
Made of stainless steel AISI 316, the drill is sterilizable and suitable for use with foods. The ice drill is ideal for quality control in the food and animal feed industries and is also suitable for example for sampling frozen meat for meat inspections. Other deep-frozen substances can be sampled easily as well with the sampling drill, for example frozen liquids.

- ▶ Stainless steel AISI 316L (1.4404) / AISI 316 Ti (1.4571)
- ▶ Sterilizable
- ▶ Cross-section sample



Ice borer

Inner dia. mm (in.)	Outer dia. mm (in.)	Drilling depth mm (in.)	Item no.
8 (0.31)	10 (0.39)	100 (3.94)	5323-0190 N4
16 (0.63)	21 (0.83)	200 (7.87)	5323-0200 N4
50 (1.97)	54 (2.13)	200 (7.87)	5323-2010 N4



Soil sampler GeoSampler | soil sampling



Soil sampler for light soils, meadows and lawns. The foot bar of model 5350-5006 makes work much easier.

- ▶ Stainless steel

Soil sampler GeoSampler

Model	Total length cm (in.)	Flute length mm (in.)	Outer dia. mm (in.)	Inner flute dia. mm (in.)	Weight g (oz.)	Item no.
without foot bar	56 (22.05)	300 (11.81)	17 (0.67)	11 (0.43)	550 (19.40)	5350-5003 N2
with foot bar	81 (31.89)	300 (11.81)	20 (0.79)	14 (0.55)	1500 (52.91)	5350-5006 N2

Soil sampler Puerckhauer | soil sampling



Very robust Puerckhauer-sampler for heavy and stony soils. Model 5350-5018 has a conically-tapered 60 cm (23.62 in.) tip which makes it much easier to extract the driven-in sampler. Ideal for N-min sampling 0–90 cm (0–35.43 in.).

- ▶ Depth graduation 10 cm divisions
- ▶ Attachable handle, with non-slip plastic grips
- ▶ Reinforced impact head
- ▶ Stainless steel

Soil sampler Puerckhauer

Total length cm (in.)	Flute length mm (in.)	Outer dia. top mm (in.)	Outer dia. bottom mm (in.)	Inner flute dia. mm (in.)	Weight g (oz.)	Item no.
81 (31.89)	600 (23.62)	20 (0.79)	20 (0.79)	13 (0.51)	2400 (84.66)	5350-5012 N2
117.5 (46.26)	1000 (39.37)	28 (1.10)	25 (0.98)	18 (0.71)	3800 (134.04)	5350-5018 N2

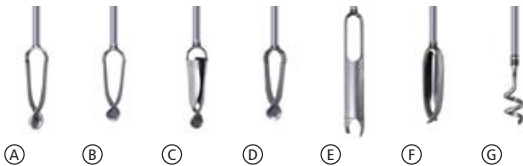
Mole with handle and bar



Very robust model with specially hardened forged drill bits. For determining soil properties, moisture and structure. The shape of the Mole's drill bits ensures minimum friction when drilling and removing the Mole from the ground. This reduces physical effort to a minimum.

The Mole has different components. Handle with 75 cm rod (29.53 in.), extension rod 100 cm (39.37 in.) if necessary and one of seven available drill bits, each of which is designed for a particular soil type. The components can be combined without any problems. Extension rods can extend the working depth of the Mole down to 5 m (16.40 ft.).

Please order drill bits separately!



① Mole with handle and bar		
Model	Length cm (in.)	Item no.
handle with rod, without drill bit	75 (29.53)	5350-1005 N4
Accessories		
Description		Item no.
② Extension for mole		5350-1010 N4
Transport case LxWxH 123x25x11 cm (48.43x9.84x4.33 in.)		3600-2120 N4

Drill bits for mole

There are various drill bits for Mole, which are each designed for very specific soil properties:

Ⓐ Clay and damp soil

With narrow side panels for minimum soil friction/resistance. As wet soils are usually very cohesive, the soil still adheres to the bit very well.

Ⓑ Sand

With broad side panels and therefore a large retention capacity for the sand.

Ⓒ Coarse sand

With extra broad side panels enclosing even more of the bit so that even coarse sandy soils and very dry soils are retained.

Ⓓ Combination

Retains both strongly cohesive and less cohesive soils.

Ⓔ Riverside

Very suitable for drilling in hard, encrusted soils and soils mixed with fine gravel. The drill cutters project from the drill itself, so that friction is greatly reduced.

Ⓕ Gravel drill

With slightly rounded, oblique scoops which pull themselves downward in the gravel. Any stones present are clamped between the drill sides. Finer soil material (coarse sand with fine gravel) is retained in the drill bit.

Ⓖ Stone catcher

The stone catcher is used to collect and remove stones that prevent proper sampling with one of the other drill bits.

③ Drill bits for mole	
Model	Item no.
Ⓐ clay and wet soils	5350-1015 N4
Ⓑ sand	5350-1020 N4
Ⓒ coarse sand	5350-1025 N4
Ⓓ combination	5350-1030 N4
Ⓔ riverside	5350-1035 N4
Ⓕ gravel drill	5350-1040 N4
Ⓖ stone catcher	5350-1045 N4

SnowPack® dry ice machine | -79 °C (-110.2 °F) cryogenic cooling on-tap



SnowPack® enables you to obtain a -79 °C (-110.2 °F) dry ice tablet weighing 50 or 250 g (1.76 or 8.82 oz.) within a few moments, without complicated technology and without electricity! You can therefore obtain low-cost cooling to very low temperatures at any time you like.

SnowPack® is often used in hospitals, universities, schools, institutes, laboratories, in the chemical industry and in materials testing facilities.

Examples of use: Lowering the temperature in cooling baths or cold traps, pre-cooling tissue samples, ensuring safe transport or embedding biological substances, freezing blood and tissue samples, studies in chemistry, physics and materials technology, etc. Dry ice is easy to handle, odorless and flavorless. The SnowPack® dry ice machine can be installed on any commercial CO₂-bottle

with a standpipe (without pressure regulator) (thread W 21.80 x 1/14" according to DIN 477-1 No. 6). These often exist in many production facilities and laboratories anyway. If this is not the case, a bottle can be rented for a small price from a local specialist gas distributor.

The use of SnowPack® is easy:

1. Simply screw SnowPack® onto a CO₂ bottle with standpipe.
2. Open the valve, CO₂ gas flows into the SnowPack® and crystallizes to dry ice.
3. Open the clamp.
4. Take out the dry ice pellet.



- ▶ Ideal cooling media for sample transport
- ▶ Performance depends on room temperature and pressure



SnowPack® dry ice machine

Model	Tablet dia. x H mm (in.)	Weight g (oz.)	Gas escape time approx. min	Tablets per 22 kg (48.5 pd.) bottle	Item no.
SnowPack® 50	50 x 30 (1.97 x 1.18)	50 (1.76)	1	approx. 90	9805-0030 N4
SnowPack® 250	80 x 60 (3.15 x 2.36)	250 (8.82)	1	approx. 16	9805-0200 N4

Aluminum bottle | light, unbreakable, seamless

Sealable wide-necked bottles



The aluminum bottle is particularly suited for storing, transport or sending substances and reference samples which have to be stored completely unaltered. Other properties: can be completely emptied without residues, odor-neutral, impervious to light, rustproof.

Sturdy bottle with sealing eyelets on the screw cap and the bottle. Particularly suited for sending samples. Seals provide increased sample authenticity. Easy to fill due to wide opening. Particularly suitable for viscous media, powder, granules and pastes.

- ▶ Pure aluminum (material AL 99.5)
- ▶ With tamper-evident screw cap made of PP with aluminum/PET inner seal
- ▶ Suitable for food (exception: highly acidic and salt-containing foods)
- ▶ With UN approval. See p. 181.

- ▶ HDPE
- ▶ Leakproof
- ▶ Easy to fill due to wide-necked opening

Aluminum bottle

Capacity ml (oz.)	Dia. mm (in.)	Height with cap mm (in.)	UN approval	Item no.					
38 (1.28)	35 (1.38)	70 (2.76)	1B1/X/250	0327-0038	N3				
60 (2.03)	40 (1.57)	88 (3.46)	1B1/X/250	0327-0060	N3				
120 (4.06)	57 (2.24)	97 (3.82)	1B1/X/250	0327-0120	N3				
300 (10.14)	57 (2.24)	160 (6.30)	1B1/X/250	0327-0300	N3				
600 (20.29)	74 (2.91)	192 (7.56)	1B1/X/250	0327-0600	N3				
1200 (40.58)	88 (3.46)	248 (9.76)	1B1/X/250	0327-1200	N3				
3000 (101.44)	161 (6.34)	215 (8.46)	1B1/X/250	0327-3000	N3				
5600 (189.36)	161 (6.34)	340 (13.39)	1B1/X/250	0327-5600	N3				

Sealable wide-necked bottles

Capacity ml (oz.)	Container dia. mm (in.)	Neck dia. inside mm (in.)	Height with cap mm (in.)	Item no.					
250 (8.45)	64 (2.52)	26.5 (1.04)	118 (4.65)	0322-0250	N3				
500 (16.91)	78 (3.07)	40 (1.57)	147 (5.79)	0322-0500	N3				
1000 (33.81)	100 (3.94)	50 (1.97)	186 (7.32)	0322-1000	N3				
2000 (67.63)	120 (4.72)	50 (1.97)	230 (9.06)	0322-2000	N3				

Accessories

Description	Item no.
SampleSafe seal, red, 100 pieces	5399-2902 N4

Table of contents containers



138 – 141 Spray bottles

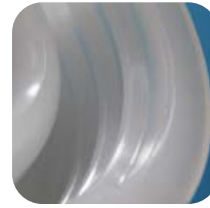
142 Aluminum bottles

143 Sealable wide-necked bottles & bottle carrier

144 – 147 Canisters

146 Canister for flammable liquids





Containers

Bottles, tubes, jerry cans

Spray bottle



Pressureless spray bottle made of LDPE with long-life hand pump. The functioning of each individual sprayer is tested during manufacture.

Areas of application: Industry, laboratories, production, leisure, household. Suitable for agricultural pesticides and detergents.

- ▶ Media-contacting parts PP, PE and stainless steel
- ▶ Nozzle 0.6 mm (0.02 in.) diameter, nozzle steplessly adjustable
- ▶ Spray volume per stroke: 1.2 ml ± 0.1 (0.04 oz. ± 0.003)
- ▶ Temperature of the liquid: 0 - 30 ° C (32 - 86 °F)



Spray bottle

Capacity ml (oz.)	Height with cap mm (in.)	Neck dia. inside mm (in.)	Item no.
250 (8.45)	220 (8.66)	18 (0.71)	0309-1025 N4
500 (16.91)	240 (9.45)	18 (0.71)	0309-1050 N4
1000 (33.81)	295 (11.61)	17.5 (0.69)	0309-1100 N4

Spray bottle Turn'n'Spray | Spray bottle with overhead valve



- ▶ Uninterrupted spraying, even overhead
- ▶ Parts in contact with media made of PP, PE, silicon and stainless steel
- ▶ Nozzle diameter 0.6 mm (0.02 in.), nozzle is continuously adjustable
- ▶ Amount sprayed per stroke: 1.2 ml ± 0.1 (0.04 oz. ± 0.003)

Spraying at an angle or overhead is not possible with standard spray bottles. As soon as the suction tube is no longer immersed in liquid, you can't spray any more.

No so with our overhead spray bottle Turn'n'Spray. It features a special technology that allows you to spray from any position. That means you can spray practically and conveniently from any direction and reach hard-to-access places easily and without straining.

The high-quality, refillable quality spray bottle can be used again and again.

Spray bottle Turn'n'Spray

Capacity ml (oz.)	Height with cap mm (in.)	Neck dia. inside mm (in.)	Item no.
250 (8.45)	220 (8.66)	18 (0.71)	0309-0002 N4
500 (16.91)	240 (9.45)	18 (0.71)	0309-0005 N4
1000 (33.81)	295 (11.61)	17.5 (0.69)	0309-0010 N4

Pressure sprayer



The pressure sprayer features rugged industrial quality for use in the chemical and pharmaceutical industry, for example disinfecting, cleaning, plant protection, thin-layer chromatography, technical and sanitary uses.

The practical 360° spray function also allows for upside-down spraying with the Turn'n'Spray pressure sprayer, making it easy to reach even places that are difficult to access. The sprayer can be used for many purposes, such as disinfecting and cleaning, or also for spraying plant protection products.

- ▶ Adjustable spray jet, nozzle diameter 0.8 mm (0.03 in.)
- ▶ Temperature of the liquid: 0 - 30 ° C (32 - 86 °F)
- ▶ Capacity of 1.5 liters (0.40 gal.)
- ▶ Parts in contact with media PE, PP, FKM, AISI 316
- ▶ Upside-down spray function



Pressure sprayer

Capacity ml (oz.)	Container dia. mm (in.)	Height with cap mm (in.)	Item no.
1500 (50.72)	140 (5.51)	305 (12.01)	0309-0100 N4

Pressure sprayer Turn'n'Spray

Capacity ml (oz.)	Container dia. mm (in.)	Height with cap mm (in.)	Item no.
1500 (50.72)	140 (5.51)	305 (12.01)	0309-0120 N4

Accessories

Description	Item no.
Spraying lance extension for pressure sprayer, 30 cm (11.81 in.)	0309-0101 N4

Pressure sprayer Food



The food pressure sprayer has a transparent viewing window to make it easy to read the fill level. A rubber-coated ring stand ensures that the sprayer can be set down securely. The built-in safety valve protects against overpressure (max. 3 bar (43.51 psi)). The adjustable nozzle nut makes it possible to regulate the spray jet individually – from a fine spray mist to a powerful jet. The ergonomic handle provides a comfortable hold on the pressure sprayer. The food-safe spray bottle is specially designed for use in the food industry and is well suited for spraying different media including oils, greases or flavoring substances. It can also be used to easily atomize cleaning and disinfecting agents.

- ▶ Parts in contact with media PE, PP, VMQ, AISI 304
- ▶ Capacity of 1.2 liters (0.32 gal.)

Pressure sprayer Food

Capacity ml (oz.)	Container dia. mm (in.)	Height with cap mm (in.)	Item no.
1200 (40.58)	117 (4.61)	315 (12.40)	0309-0130 N4

Spray bottle with pump vaporizer



Spray bottles with pump vaporizer and safety cap for the pump. Liquids can be finely vaporized at the push of a button in an environmentally compatible way. The transparent bottles make identification of contents easy. The protective cover prevents unintentional pressing of the pump and acts as a dust cover.

- ▶ Bottle made of HDPE, spray pump made of PP and stainless steel

Drop-Boy



Bottle with drop dispenser and separate screw cap.

- ▶ Cut off dropper tip before first use
- ▶ Reclosable
- ▶ Precise drop dosing



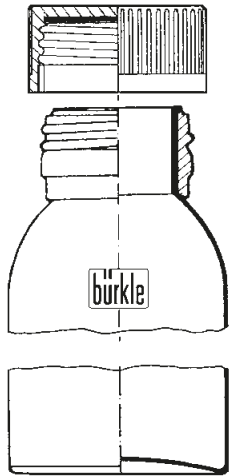
Spray bottle with pump vaporizer

Capacity ml (oz.)	Dia. mm (in.)	Height with cap mm (in.)	Item no.
20 (0.68)	28 (1.10)	85 (3.35)	0309-3002 N3
50 (1.69)	35 (1.38)	110 (4.33)	0309-3005 N3
100 (3.38)	37 (1.46)	161 (6.34)	0309-3100 N3
250 (8.45)	50 (1.97)	222 (8.74)	0309-3025 N3

Drop-Boy

Capacity ml (oz.)	Dia. mm (in.)	Height capless mm (in.)	Item no.
10 (0.34)	24 (0.94)	50 (1.97)	0307-0010 N3
25 (0.85)	31.3 (1.23)	64.5 (2.54)	0307-0025 N3
50 (1.69)	40 (1.57)	77 (3.03)	0307-0050 N3

Aluminum bottle | light, unbreakable, seamless



The aluminum bottle is particularly suited for storing, transport or sending substances and reference samples which have to be stored completely unaltered. Other properties: can be completely emptied without residues, odor-neutral, impervious to light, rustproof.

- ▶ Pure aluminum (material AL 99.5)
 - ▶ With tamper-evident screw cap made of PP with aluminum/PET inner seal
 - ▶ Suitable for food (exception: highly acidic and salt-containing foods)
 - ▶ With UN approval.
- See p. 181.



Aluminum bottle

Capacity ml (oz.)	Dia. mm (in.)	Height with cap mm (in.)	UN approval	Item no.
38 (1.28)	35 (1.38)	70 (2.76)	1B1/X/250	0327-0038 N3
60 (2.03)	40 (1.57)	88 (3.46)	1B1/X/250	0327-0060 N3
120 (4.06)	57 (2.24)	97 (3.82)	1B1/X/250	0327-0120 N3
300 (10.14)	57 (2.24)	160 (6.30)	1B1/X/250	0327-0300 N3
600 (20.29)	74 (2.91)	192 (7.56)	1B1/X/250	0327-0600 N3
1200 (40.58)	88 (3.46)	248 (9.76)	1B1/X/250	0327-1200 N3
3000 (101.44)	161 (6.34)	215 (8.46)	1B1/X/250	0327-3000 N3
5600 (189.36)	161 (6.34)	340 (13.39)	1B1/X/250	0327-5600 N3



Sealable wide-necked bottles



Sturdy bottle with sealing eyelets on the screw cap and the bottle. Particularly suited for sending samples. Seals provide increased sample authenticity. Easy to fill due to wide opening. Particularly suitable for viscous media, powder, granules and pastes.

- ▶ HDPE
- ▶ Leakproof
- ▶ Easy to fill due to wide-necked opening

Sealable wide-necked bottles



Capacity ml (oz.)	Container dia. mm (in.)	Neck dia. inside mm (in.)	Height with cap mm (in.)	Item no.
250 (8.45)	64 (2.52)	26.5 (1.04)	118 (4.65)	0322-0250 N3
500 (16.91)	78 (3.07)	40 (1.57)	147 (5.79)	0322-0500 N3
1000 (33.81)	100 (3.94)	50 (1.97)	186 (7.32)	0322-1000 N3
2000 (67.63)	120 (4.72)	50 (1.97)	230 (9.06)	0322-2000 N3

Accessories

Description	Item no.
SampleSafe seal, red, 100 pieces	5399-2902 N4

Bottle carrier



For 6 bottles up to max. 95 mm (3.74 in.) Ø.

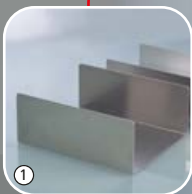
- ▶ PP
- ▶ Suitable for food

Bottle carrier



No. of bottles	Container dia. mm (in.)	Outer dimension of rim L x W x H mm (in.)	Item no.
6	95 (3.74)	310x210x305 (12.20x8.27x12.01)	0361-0006 N3

Compact jerrycan | for more content on less shelf width



1



2

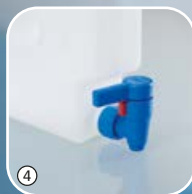
LaboPlast



YouTube



3



4



5

The compact jerrycan is ideal as a space-saving canister with its width of 6.5 cm (2.56 in.) or 12.5 cm (4.92 in.). Different liquids can be stored and decanted in a small space. The compact jerrycan can also be stored lying on its side e. g. in a refrigerator. It is very stable due to ribbed structure and thick sides. Using the support stand (only for 5 l (1.32 gal.) canister) for two or three canisters, any number of canisters can be placed safely and freestanding. The compact jerrycan can also be used as a settling canister.

Compact jerrycan | for more content on less shelf width



- ▶ With or without threaded connector 3/4"
- ▶ PP, transparent
- ▶ With tamper-proof closure
- ▶ Canister without stopcock and closure autoclavable
- ▶ With moulded, indestructible liter graduation
- ▶ Canister support made of aluminium for secure stand as accessory (only for 5 l (1.32 gal.) canister)
- ▶ Spigot StopCock with rotatable discharge angle and Compact spigot, which fits canisters equipped with glands with threads 3/4", available as accessory

Compact jerrycan

Model	Capacity l (gal.)	Width mm (in.)	Depth mm (in.)	Height mm (in.)	Opening dia. mm (in.)	Item no.
without threaded connector	5 (1.32)	65 (2.56)	335 (13.19)	335 (13.19)	41 (1.61)	0435-1050 N4
with threaded connector 3/4"	5 (1.32)	65 (2.56)	335 (13.19)	335 (13.19)	41 (1.61)	0435-2050 N4
without threaded connector	10 (2.64)	125 (4.92)	335 (13.19)	335 (13.19)	41 (1.61)	0435-1100 N4
with threaded connector 3/4"	10 (2.64)	125 (4.92)	335 (13.19)	335 (13.19)	41 (1.61)	0435-2100 N4

Accessories

Description	Item no.
① Support stand for two compact jerrycans (only for 5 l (1.32 gal.) canister)	0435-9102 N4
① Support stand for three compact jerrycans (only for 5 l (1.32 gal.) canister)	0435-9103 N4
⑨ Filling support for compact jerrycan 10 l (2.64 gal.)	0435-9104 N4
② Venting valve in screw cap Closure cap 3/4"	0435-9200 N4 0600-0090 N4
Tamper-evident closure DIN 50 for compact jerrycan	0300-0000 N4
③ StopCock angled (see page 30)	0525-1000 N4
④ Compact spigot (see page 31)	0530-1000 N4
⑤ Set consisting of one compact jerrycan 5 l (1.32 gal.) and one spigot Compact	0435-3000 N4
⑥ Set consisting of one compact jerrycan 5 l (1.32 gal.) and one spigot StopCock	0435-0001 N4
⑦ Set consisting of one compact jerrycan 10 l (2.64 gal.) and one spigot Compact	0435-3010 N4
⑧ Set consisting of one compact jerrycan 10 l (2.64 gal.) and one spigot StopCock	0435-0010 N4

Compact jerrycan, electroconductive



⚠ Caution! When working with combustible liquids, the canister must be earthed! Use anti-static set!

The compact jerrycan, made of electrically conductive HDPE, is especially well suited for use in explosion-proof areas. With a specific surface resistance of $<10^5$ ohms, the canister has a very high electrical conductivity. When correctly earthed, it prevents the danger of ignition due to an accumulation of electrostatic charge. The canister thus helps to meet the requirements of the ATEX 137, TRBS2153 and CENELEC 50404 guidelines. The plastic industrial canister is non-rusting and can be

disposed of with no problems in the recycling system. It can be used for dispensing and storing combustible and highly flammable liquids of explosion groups IIA, IIB and IIC, such as laboratory waste in industrial applications or mining. Due to its narrow width of 6.5 cm (2.56 in.) or 12.5 cm (4.92 in.), the space-saving canister requires very little room, making it suitable for use in very confined spaces. The ribbed structure and thick sides make it very stable and also allow for flat storage. The handle ensures secure handling and easy transport. For the version with 3/4" threaded connector, a stop cock can be mounted, for example the StopCock PA, which is electrically conductive. See page 33.

- ▶ HDPE, black, anti-static
- ▶ With or without threaded connector 3/4"
- ▶ Canister support made of aluminium for secure stand as accessory (only for 5 l (1.32 gal.) canister)

Compact jerrycan, electroconductive

Model	Capacity l (gal.)	Width mm (in.)	Depth mm (in.)	Height mm (in.)	Item no.	
without threaded connector	5 (1.32)	65 (2.56)	335 (13.19)	335 (13.19)	0435-1055	N4
without threaded connector	10 (2.64)	125 (4.92)	335 (13.19)	335 (13.19)	0435-1105	N4
with threaded connector 3/4"	5 (1.32)	65 (2.56)	335 (13.19)	335 (13.19)	0435-2055	N4
with threaded connector 3/4"	10 (2.64)	125 (4.92)	335 (13.19)	335 (13.19)	0435-2105	N4

Accessories

Description	Item no.
Anti-static set	5602-1000 N4

Accessories

Description	Item no.
StopCock PA, electroconductive	0525-1100 N4
Support stand for two compact jerrycans (only for 5 l (1.32 gal.) canister)	0435-9102 N4
Support stand for three compact jerrycans (only for 5 l (1.32 gal.) canister)	0435-9103 N4
Filling support for compact jerrycan 10 l (2.64 gal)	0435-9104 N4

Wide-necked jerrycans with/without threaded connector

Wide-necked canister with extremely wide filling opening (88 mm (3.46 in.)), easy to clean on the inside, which is particularly important when storing sensitive substances. Carrying handles and screw lid guarantee safe and convenient transport. The wide-necked canister can also be used as a settling canister. Via a threaded connector just above the base, a spigot or other accessories with an inner thread of 3/4" can be attached.

- ▶ HDPE, transparent
- ▶ UV stabilized
- ▶ Self-adhesive blue liter graduation and spigots available as accessory



Wide-necked jerrycans with/without threaded connector

Model	Capacity l (gal.)	Width mm (in.)	Depth mm (in.)	Height mm (in.)	Ventilation dia. mm (in.)	Item no.
without threaded connector	5 (1.32)	130 (5.12)	290 (11.42)	280 (11.02)	18 (0.71)	0431-0005 N3
without threaded connector	10 (2.64)	137 (5.39)	310 (12.20)	400 (15.75)	18 (0.71)	0431-0010 N3
without threaded connector	20 (5.28)	165 (6.50)	365 (14.37)	485 (19.09)	-	0431-0020 N3
without threaded connector	30 (7.93)	240 (9.45)	365 (14.37)	485 (19.09)	-	0431-0030 N3
with threaded connector 3/4"	5 (1.32)	130 (5.12)	290 (11.42)	280 (11.02)	18 (0.71)	0431-1005 N3
with threaded connector 3/4"	10 (2.64)	137 (5.39)	310 (12.20)	400 (15.75)	18 (0.71)	0431-1010 N3
with threaded connector 3/4"	20 (5.28)	165 (6.50)	365 (14.37)	485 (19.09)	-	0431-1020 N3
with threaded connector 3/4"	30 (7.93)	240 (9.45)	365 (14.37)	485 (19.09)	-	0431-1030 N3



Accessories

Description	Item no.
Graduation for wide-necked jerrycans 5 l	0431-9051 N3
Graduation for wide-necked jerrycans 10 l	0431-9011 N3
Graduation for wide-necked jerrycans 20 l	0431-9021 N3
Graduation for wide-necked jerrycans 30 l	0431-9031 N3
StopCock angled (see page 30)	0525-1000 N4
Compact spigot (see page 31)	0530-1000 N4
Closure cap 3/4"	0600-0090 N4

Table of contents industrial & laboratory equipment



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Industrial & laboratory equipment

Connectors, fittings, funnels, measuring

All-purpose trays | hygienic, easy to clean



The laboratory trays are practical all-purpose trays that can be nested when empty, also durable, shatter-proof and resist flexing. The trays have a strong, rounded rim.

Suitable as a spill trough for environmentally dangerous, aggressive substances, for experiments, as an etching tray, as an instrument holder, a medicine tray, a photographic development basin, a goods presentation tray and a display tray for foodstuffs.

- ▶ PP, white
- ▶ Manufactured using the injection molding process, not by deep drawing
- ▶ Trays can be nested
- ▶ Tray not suitable for temperature controlled cupboards or dishwashers
- ▶ Temperature resistant up to +60 °C (+140 °F) (briefly up to +80 °C (+176 °F))



Laboratory trays / spill troughs separate

Capacity l (gal.)	Inner dimension of base L x W mm (in.)	Outer dimension of base L x W mm (in.)	Outer dimension of rim L x W x H mm (in.)	Item no.
0.5 (0.13)	130 x 180 (5.12 x 7.09)	140 x 190 (5.51 x 7.48)	180 x 230 x 42 (7.09 x 9.06 x 1.65)	4201-1318 N4
1.5 (0.40)	180 x 240 (7.09 x 9.45)	190 x 250 (7.48 x 9.84)	250 x 310 x 65 (9.84 x 12.20 x 2.56)	4201-1824 N4
3.0 (0.79)	240 x 300 (9.45 x 11.81)	250 x 310 (9.84 x 12.20)	310 x 370 x 75 (12.20 x 14.57 x 2.95)	4201-2430 N4
10 (2.64)	300 x 400 (11.81 x 15.75)	310 x 410 (12.20 x 16.14)	420 x 520 x 120 (16.54 x 20.47 x 4.72)	4201-3040 N4
21 (5.55)	400 x 500 (15.75 x 19.69)	430 x 530 (16.93 x 20.87)	534 x 634 x 140 (21.02 x 24.96 x 5.51)	4201-4050 N4
39 (10.30)	500 x 700 (19.69 x 27.56)	520 x 720 (20.47 x 28.35)	648 x 846 x 160 (25.51 x 33.31 x 6.30)	4201-5070 N4

Accessories

Description	Item no.
Laboratory trays / spill troughs set - 4 piece set	4201-0095 N4
Laboratory trays / spill troughs set - 6 piece set	4201-0100 N4

Laboratory trays / spill troughs set

Laboratory trays / Spill troughs in a beneficial set

Laboratory tray set of 4 with one tray each:

- ▶ 0.5 l (0.13 gal.) (L x W x H 180 x 230 x 42 mm (7.09 x 9.06 x 1.65 in.))
- ▶ 1.5 l (0.40 gal.) (L x W x H 250 x 310 x 65 mm (9.84 x 12.20 x 2.56 in.))
- ▶ 3.0 l (0.79 gal.) (L x W x H 310 x 370 x 75 mm (12.20 x 14.57 x 2.95 in.))
- ▶ 10.0 l (2.64 gal.) (L x W x H 420 x 520 x 120 mm (16.54 x 20.47 x 4.72 in.))

Laboratory tray set of 6 with one tray each:

- ▶ 0.5 l (0.13 gal.) (L x W x H 180 x 230 x 42 mm (7.09 x 9.06 x 1.65 in.))
- ▶ 1.5 l (0.40 gal.) (L x W x H 250 x 310 x 65 mm (9.84 x 12.20 x 2.56 in.))
- ▶ 3.0 l (0.79 gal.) (L x W x H 310 x 370 x 75 mm (12.20 x 14.57 x 2.95 in.))
- ▶ 10.0 l (2.64 gal.) (L x W x H 420 x 520 x 120 mm (16.54 x 20.47 x 4.72 in.))
- ▶ 21.0 l (5.55 gal.) (L x W x H 534 x 634 x 140 mm (21.02 x 24.96 x 5.51 in.))
- ▶ 39.0 l (10.30 gal.) (L x W x H 648 x 846 x 160 mm (25.51 x 33.31 x 6.30 in.))



Laboratory trays / spill troughs set

Model	Capacity l (gal.)	Item no.		
4 piece set	0.5 – 10 (0.13 - 2.64)	4201-0095	N4	
6 piece set	0.5 – 39 (0.13 - 10.30)	4201-0100	N4	

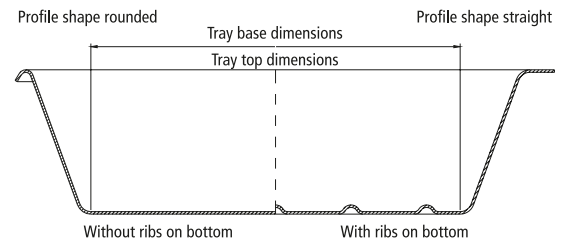
Photographic trays | in a variety of colors and sizes




These photographic trays made of PVC are available in a variety of shapes and colors. Available in shallow or deep models, with or without ribs on the base, in 3 attractive, high-gloss colors: white, red and black. The model with ribs on the base is especially well suited as a film development tray. The raised ribs prevent photographic paper from sticking to the base of the tray. Liquid can be poured out easily from the tray edges. The model without ribs on the base is suited for universal laboratory or storage purposes. Important: the photographic trays are made of high-quality PVC.





- ▶ PVC
- ▶ Thick sides, shatterproof
- ▶ Largely resistant to acids and alkalis
- ▶ Not suitable for temperature controlled cupboards or dishwashers
- ▶ Temperature resistant from $-30\text{ }^{\circ}\text{C}$ ($-22\text{ }^{\circ}\text{F}$) up to $+60\text{ }^{\circ}\text{C}$ ($+140\text{ }^{\circ}\text{F}$) max.




Photographic trays | in a variety of colors and sizes

Photographic trays, shallow form with ribs on bottom, profile shape rounded 					
Color	Inner dimension of base L x W mm (in.)	Outer dimension of rim L x W mm (in.)	Height mm (in.)	Item no.	
white	140 x 190 (5.51 x 7.48)	180 x 230 (7.09 x 9.06)	40 (1.57)	4202-1013	N4
white	190 x 260 (7.48 x 10.24)	240 x 320 (9.45 x 12.60)	50 (1.97)	4202-1018	N4
white	260 x 320 (10.24 x 12.60)	320 x 370 (12.60 x 14.57)	50 (1.97)	4202-1024	N4
white	310 x 410 (12.20 x 16.14)	370 x 470 (14.57 x 18.50)	60 (2.36)	4202-1030	N4
white	420 x 510 (16.54 x 20.08)	480 x 580 (18.90 x 22.83)	60 (2.36)	4202-1040	N4
white	510 x 610 (20.08 x 24.02)	590 x 680 (23.23 x 26.77)	70 (2.76)	4202-1050	N4
red	140 x 190 (5.51 x 7.48)	180 x 230 (7.09 x 9.06)	40 (1.57)	4202-2013	N4
red	190 x 260 (7.48 x 10.24)	240 x 320 (9.45 x 12.60)	50 (1.97)	4202-2018	N4
red	260 x 320 (10.24 x 12.60)	320 x 370 (12.60 x 14.57)	50 (1.97)	4202-2024	N4
red	420 x 510 (16.54 x 20.08)	480 x 580 (18.90 x 22.83)	60 (2.36)	4202-2040	N4
red	510 x 610 (20.08 x 24.02)	590 x 680 (23.23 x 26.77)	70 (2.76)	4202-2050	N4
black	190 x 260 (7.48 x 10.24)	240 x 320 (9.45 x 12.60)	50 (1.97)	4202-3018	N4
black	260 x 320 (10.24 x 12.60)	320 x 370 (12.60 x 14.57)	50 (1.97)	4202-3024	N4

Photographic trays, shallow form without ribs on bottom, profile shape rounded 					
Color	Inner dimension of base L x W mm (in.)	Outer dimension of rim L x W mm (in.)	Height mm (in.)	Item no.	
white	110 x 160 (4.33 x 6.30)	150 x 200 (5.91 x 7.87)	30 (1.18)	4203-1010	N4
white	140 x 190 (5.51 x 7.48)	180 x 230 (7.09 x 9.06)	40 (1.57)	4203-1013	N4
white	190 x 260 (7.48 x 10.24)	240 x 320 (9.45 x 12.60)	50 (1.97)	4203-1018	N4
white	260 x 320 (10.24 x 12.60)	320 x 370 (12.60 x 14.57)	50 (1.97)	4203-1024	N4
white	310 x 410 (12.20 x 16.14)	370 x 470 (14.57 x 18.50)	60 (2.36)	4203-1030	N4
white	420 x 510 (16.54 x 20.08)	480 x 580 (18.90 x 22.83)	60 (2.36)	4203-1040	N4
white	510 x 610 (20.08 x 24.02)	590 x 680 (23.23 x 26.77)	70 (2.76)	4203-1050	N4
red	110 x 160 (4.33 x 6.30)	150 x 200 (5.91 x 7.87)	30 (1.18)	4203-2010	N4
red	140 x 190 (5.51 x 7.48)	180 x 230 (7.09 x 9.06)	40 (1.57)	4203-2013	N4
red	190 x 260 (7.48 x 10.24)	240 x 320 (9.45 x 12.60)	50 (1.97)	4203-2018	N4
red	260 x 320 (10.24 x 12.60)	320 x 370 (12.60 x 14.57)	50 (1.97)	4203-2024	N4
red	310 x 410 (12.20 x 16.14)	370 x 470 (14.57 x 18.50)	60 (2.36)	4203-2030	N4
red	510 x 610 (20.08 x 24.02)	590 x 680 (23.23 x 26.77)	70 (2.76)	4203-2050	N4
black	110 x 160 (4.33 x 6.30)	150 x 200 (5.91 x 7.87)	30 (1.18)	4203-3010	N4
black	140 x 190 (5.51 x 7.48)	180 x 230 (7.09 x 9.06)	40 (1.57)	4203-3013	N4
black	190 x 260 (7.48 x 10.24)	240 x 320 (9.45 x 12.60)	50 (1.97)	4203-3018	N4
black	260 x 320 (10.24 x 12.60)	320 x 370 (12.60 x 14.57)	50 (1.97)	4203-3024	N4
black	310 x 410 (12.20 x 16.14)	370 x 470 (14.57 x 18.50)	60 (2.36)	4203-3030	N4
black	510 x 610 (20.08 x 24.02)	590 x 680 (23.23 x 26.77)	70 (2.76)	4203-3050	N4

Photographic trays, deep form with ribs on bottom 					
Color	Inner dimension of base L x W mm (in.)	Outer dimension of rim L x W mm (in.)	Height mm (in.)	Profile shape	Item no.
white	310 x 410 (12.20 x 16.14)	430 x 530 (16.93 x 20.87)	105 (4.13)	straight	4206-1030 N4
white	420 x 510 (16.54 x 20.08)	520 x 610 (20.47 x 24.02)	110 (4.33)	straight	4206-1040 N4
white	510 x 610 (20.08 x 24.02)	630 x 730 (24.80 x 28.74)	110 (4.33)	straight	4206-1050 N4
red	310 x 410 (12.20 x 16.14)	430 x 530 (16.93 x 20.87)	105 (4.13)	straight	4206-2030 N4
red	420 x 510 (16.54 x 20.08)	520 x 610 (20.47 x 24.02)	110 (4.33)	straight	4206-2040 N4
black	420 x 510 (16.54 x 20.08)	520 x 610 (20.47 x 24.02)	110 (4.33)	straight	4206-3040 N4
black	510 x 610 (20.08 x 24.02)	630 x 730 (24.80 x 28.74)	110 (4.33)	straight	4206-3050 N4

Photographic trays, deep form without ribs on bottom 					
Color	Inner dimension of base L x W mm (in.)	Outer dimension of rim L x W mm (in.)	Height mm (in.)	Profile shape	Item no.
white	190 x 260 (7.48 x 10.24)	260 x 340 (10.24 x 13.39)	85 (3.35)	rounded	4207-1018 N4
white	260 x 320 (10.24 x 12.60)	330 x 390 (12.99 x 15.35)	100 (3.94)	rounded	4207-1024 N4
white	310 x 410 (12.20 x 16.14)	430 x 530 (16.93 x 20.87)	105 (4.13)	straight	4207-1030 N4
white	420 x 510 (16.54 x 20.08)	520 x 610 (20.47 x 24.02)	110 (4.33)	straight	4207-1040 N4
white	510 x 610 (20.08 x 24.02)	630 x 730 (24.80 x 28.74)	110 (4.33)	straight	4207-1050 N4
red	190 x 260 (7.48 x 10.24)	260 x 340 (10.24 x 13.39)	85 (3.35)	rounded	4207-2018 N4
red	260 x 320 (10.24 x 12.60)	330 x 390 (12.99 x 15.35)	100 (3.94)	rounded	4207-2024 N4
red	310 x 410 (12.20 x 16.14)	430 x 530 (16.93 x 20.87)	105 (4.13)	straight	4207-2030 N4
red	420 x 510 (16.54 x 20.08)	520 x 610 (20.47 x 24.02)	110 (4.33)	straight	4207-2040 N4
red	510 x 610 (20.08 x 24.02)	630 x 730 (24.80 x 28.74)	110 (4.33)	straight	4207-2050 N4
black	310 x 410 (12.20 x 16.14)	430 x 530 (16.93 x 20.87)	105 (4.13)	straight	4207-3030 N4
black	420 x 510 (16.54 x 20.08)	520 x 610 (20.47 x 24.02)	110 (4.33)	straight	4207-3040 N4
black	510 x 610 (20.08 x 24.02)	630 x 730 (24.80 x 28.74)	110 (4.33)	straight	4207-3050 N4

Bowl stainless steel, shallow form





The robust stainless steel bowl is ideal for cleaning, disinfecting or sterilizing instruments as well as for placing and carrying different devices or samples. Due to the smooth surface, the instrument tray is easy to clean.

The rectangular bowl has a low edge and can be used in the various areas of pharmacy, chemistry, cosmetics and food.

- ▶ For cleaning, disinfecting, sterilizing or placing away laboratory cutlery
- ▶ Stable and hygienic

Bowl stainless steel, shallow form

L x W x H mm (in.)	Item no.		
200 x 150 x 50 (7.87 x 5.91 x 1.97)	4208-0020	N4	
280 x 180 x 50 (11.02 x 7.09 x 1.97)	4208-0021	N4	
300 x 200 x 50 (11.81 x 7.87 x 1.97)	4208-0022	N4	
300 x 250 x 50 (11.81 x 9.84 x 1.97)	4208-0023	N4	
400 x 300 x 50 (15.75 x 11.81 x 1.97)	4208-0024	N4	
500 x 300 x 50 (19.69 x 11.81 x 1.97)	4208-0025	N4	



Bowl stainless steel, deep form



The stainless steel bowl is suitable for a wide variety of applications, e.g. for storing, carrying or cleaning laboratory cutlery or samplers. The smooth surface of the tray makes it easy to clean. The instrument tray has a rectangular shape with a high edge and is very stable. Ideal for use in the pharmaceutical and chemical sectors as well as the food and cosmetics sectors.

- ▶ For placing, transporting or cleaning instruments
- ▶ Robust and hygienic

Bowl stainless steel, deep form

L x W x H mm (in.)	Item no.		
400 x 200 x 100 (15.75 x 7.87 x 3.94)	4208-0040	N4	
400 x 300 x 100 (15.75 x 11.81 x 3.94)	4208-0041	N4	
500 x 300 x 100 (19.69 x 11.81 x 3.94)	4208-0042	N4	

Tray stainless steel



Instruments, labware or samplers can be placed and transported on the sturdy stainless steel tray. The smooth surface is easy to clean.

The rectangular instrument tray is suitable for hygienic placing in the fields of chemistry, pharmaceuticals, cosmetics, animal feed and food & beverage.

- ▶ Prepare, place and carry instruments and samples
- ▶ Hygienic and robust

Tray stainless steel

L x W x H mm (in.)

280 x 180 x 20 (11.02 x 7.09 x 0.79)

330 x 230 x 20 (12.99 x 9.06 x 0.79)

460 x 300 x 20 (18.11 x 11.81 x 0.79)

520 x 395 x 20 (20.47 x 15.55 x 0.79)



Item no.

4208-0001 N4

4208-0002 N4

4208-0003 N4

4208-0004 N4

Funnel, stainless steel



The stainless steel funnel can be used to pour and transfer free-flowing powders, liquids and slightly viscous media easily. An air channel on the discharge tube ensures a complete, unobstructed flow. Depending on the diameter, this pouring aid is suitable for dispensing applications, from small amounts in laboratories to large quantities in industry. Larger versions of the funnel feature a handle to ensure easy handling.

The sturdy stainless steel funnel can be used in a wide variety of applications.

- ▶ Stainless steel AISI 304 (1.4301)
- ▶ Air channel for unobstructed flow

Funnel, stainless steel

Outer dia. mm (in.)	Outlet dia. mm (in.)	Item no.	
60 (2.36)	13 (0.51)	9604-0001	N4
100 (3.94)	13 (0.51)	9604-0003	N4
150 (5.91)	19 (0.75)	9604-0005	N4
300 (11.81)	20 (0.79)	9604-0008	N4

Bucket, stainless steel



The bucket is made entirely of high-gloss polished stainless steel. The smooth surface of the stainless steel bucket makes it easy to clean. The rounded, movable handle makes it comfortable to move the bucket. The laboratory bucket is suitable for moving liquids and bulk materials properly, especially in the chemical, pharmaceutical or cosmetic industries, and in the food and animal feed industries.

- ▶ Stainless steel AISI 304 (1.4301)
- ▶ High-gloss polished

Bucket, stainless steel

Capacity l (gal.)	Dia. mm (in.)	Height mm (in.)	Item no.
10 (2.64)	275 (10.83)	275 (10.83)	2309-0010 N4
15 (3.96)	330 (12.99)	305 (12.01)	2309-0015 N4

Packaging bucket



Packaging bucket for transport, packaging and storing of various materials. Suitable for the food or building material industries and non-aggressive chemicals in environmental protection, hospitals and the household. With strong handle. Quality closure on the bucket for product safety.

- ▶ PP, white
- ▶ Air-tight closure
- ▶ Complete with lid
- ▶ With advertising printing in large quantities on request



Packaging bucket

Capacity l (gal.)	Dia. top mm (in.)	Height with cap mm (in.)	Item no.	
1 (0.26)	132 (5.20)	131 (5.16)	2327-0001	N3
2 (0.53)	175 (6.89)	132 (5.20)	2327-0020	N3
3 (0.79)	225 (8.86)	123 (4.84)	2327-0030	N3
5 (1.32)	225 (8.86)	194 (7.64)	2327-0050	N3
10 (2.64)	268 (10.55)	263 (10.35)	2327-0010	N3



Industrial bucket with metal handle



Industrial bucket for transporting, decanting and mixing. Safe emptying with wide spout. Handle made of metal.

- ▶ LLDPE, white
- ▶ With liter scale, graduation 1000 ml
- ▶ With spout

Industrial bucket with metal handle

Capacity l (gal.)	Dia. mm (in.)	Height mm (in.)	Item no.	
9 (2.38)	280 (11.02)	250 (9.84)	2308-0900	N3
12 (3.17)	300 (11.81)	280 (11.02)	2308-1200	N3
17 (4.49)	340 (13.39)	310 (12.20)	2308-1700	N3



Funnel stands

Sturdy and stable funnel stand, resistant to chemicals, shatter-proof and with continuously variable height adjustment.

The funnel stand is suitable for all funnels from 40 to 180 mm (1.57 to 7.09 in.) in diameter. The funnel holders can be used with reducing inserts for small funnels.

The funnel stand also makes an excellent filtering stand.

Thanks to an innovative magnet concept no clamping screws are necessary. The height of the funnel holder can be adjusted easily and flexibly with one hand.

The laboratory stand can be flexibly adapted with corresponding accessories, for example with adjustment funnel holders or a holder for Imhoff funnels (see page 159). The funnel stand can also be converted into a pipette stand (see page 160).

- ▶ PP, chrome-plated steel
- ▶ Continuously variable height adjustment with innovative magnet concept
- ▶ Adjustable height up to 450 mm (17.72 in.)
- ▶ For funnels Ø 40–180 mm (1.57–7.09 in.)
- ▶ Additional funnel holders are available as accessories



Funnel stand with two funnel holders and two reducing inserts. Space-saving design with two practical storage areas.



Funnel stand with four funnel holders and four reducing inserts. A very sturdy pedestal provides a storage area for four containers and ensures absolute safety against overturning.



Funnel stand for two funnels

Item no.	
9622-0200	N4

Accessories

Description	Item no.
Funnel holder with reducing insert, for funnels Ø 40-180 mm (1.57-7.09 in.)	9622-0001 N4
Sedimentation funnel holder for Imhoff funnels from Ø 90 mm (3.54 in.)	7118-2001 N4

Funnel stand for four funnels

Item no.	
9622-0400	N4

Accessories

Description	Item no.
Funnel holder with reducing insert, for funnels Ø 40-180 mm (1.57-7.09 in.)	9622-0001 N4
Sedimentation funnel holder for Imhoff funnels from Ø 90 mm (3.54 in.)	7118-2001 N4
Replacement set for pipette stand, two perforated plates/one drip pan	9630-0100 N4

Stand for Imhoff sedimentation funnel



The stand for sedimentation funnels is used to keep, hold or store Imhoff funnels safely and reliably during sedimentation. Two funnel holders ensure that Imhoff funnels will be held safely and securely and can be placed in an absolutely vertical position. Stand with two holders for sedimentation funnels, suitable for funnels 90 mm (3.54 in.) or more in diameter.

Thanks to an innovative magnet concept no clamping screws are necessary. The height of the funnel holder can be adjusted easily and flexibly with one hand.

With the corresponding accessory the holders for Imhoff funnels can also be replaced by holders for all-purpose funnels (see page 158).

- ▶ Stand for Imhoff funnel
- ▶ PP, chrome-plated steel
- ▶ Adjustable height up to 450 mm (17.72 in.)
- ▶ For funnels with \varnothing 90 mm (3.54 in.) or more



Stand for Imhoff sedimentation funnel

Item no.
7118-2000 N4

Accessories

Description	Item no.
Funnel holder with reducing insert, for funnels \varnothing 40-180 mm (1.57-7.09 in.)	9622-0001 N4

Pipette stand

Frame for pipettes with two rotating perforated plates and drip pan. The holders are suitable for up to 40 pipettes of different sizes, for all measuring and full pipettes up to a max. diameter of 18 mm (0.71 in.). A drip pan protects the tips of the pipettes and collects liquid as it drips off.

The pipette stand is suitable for drying and for space-saving storage of pipettes or thermometers, test tubes and similar items. A very sturdy pedestal ensures absolute safety against overturning.

No clamping screws are necessary thanks to an innovative magnet concept. The height of the holding plates can be adjusted easily and flexibly with one hand.

The lab frame can be flexibly adapted with corresponding accessories, for example as a frame for Imhoff sedimentation funnels (see page 159) or as a funnel frame (see page 158).

- ▶ PP, chrome-plated steel
- ▶ Adjustable height up to 450 mm (17.72 in.)
- ▶ 40 slots, Ø 10–18 mm (0.39–0.71 in.)



Pipette stand

Item no.
9630-0090 N4

Accessories

Description	Item no.	
Funnel holder with reducing insert, for funnels Ø 40-180 mm (1.57-7.09 in.)	9622-0001	N4
Sedimentation funnel holder for Imhoff funnels from Ø 90 mm (3.54 in.)	7118-2001	N4



SnowPack® dry ice machine | -79 °C (-110.2 °F) cryogenic cooling on-tap



SnowPack® enables you to obtain a -79 °C (-110.2 °F) dry ice tablet weighing 50 or 250 g (1.76 or 8.82 oz.) within a few moments, without complicated technology and without electricity! You can therefore obtain low-cost cooling to very low temperatures at any time you like.

SnowPack® is often used in hospitals, universities, schools, institutes, laboratories, in the chemical industry and in materials testing facilities.

Examples of use: Lowering the temperature in cooling baths or cold traps, pre-cooling tissue samples, ensuring safe transport or embedding biological substances, freezing blood and tissue samples, studies in chemistry, physics and materials technology, etc. Dry ice is easy to handle, odorless and flavorless. The SnowPack® dry ice machine can be installed on any commercial CO₂-bottle

with a standpipe (without pressure regulator) (thread W 21.80 x 1/14" according to DIN 477-1 No. 6). These often exist in many production facilities and laboratories anyway. If this is not the case, a bottle can be rented for a small price from a local specialist gas distributor.

The use of SnowPack® is easy:

1. Simply screw SnowPack® onto a CO₂ bottle with standpipe.
2. Open the valve, CO₂ gas flows into the SnowPack® and crystallizes to dry ice.
3. Open the clamp.
4. Take out the dry ice pellet.



- ▶ Ideal cooling media for sample transport
- ▶ Performance depends on room temperature and pressure



SnowPack® dry ice machine

Model	Tablet dia. x H mm (in.)	Weight g (oz.)	Gas escape time approx. min	Tablets per 22 kg (48.5 pd.) bottle	Item no.
SnowPack® 50	50 x 30 (1.97 x 1.18)	50 (1.76)	1	approx. 90	9805-0030 N4
SnowPack® 250	80 x 60 (3.15 x 2.36)	250 (8.82)	1	approx. 16	9805-0200 N4

Draining rack, wallmount | practical, hygienic, attractive shape

Draining rack made of plastic, shatterproof, proven thousands of times in the lab and adjusted to the requirements there.

The stable rods are individually placed into the holes of the draining rack and are clicked into place. Their positions can be changed at any time. Using a combination of rods of three different lengths (60 mm (2.36 in.), 100 mm (3.94 in.) and extension to 150 mm (5.91 in.)), the draining rack can be adapted to any apparatus which is to be dried.

Available in three different sizes:

- ▶ **Draining rack 40x40 cm (15.75x15.75 in.)** with rods 60 mm (2.36 in.) (5x), 100 mm (3.94 in.) (26x) and extension 150 mm (5.91 in.) (2x)
- ▶ **Draining rack 50x50 cm (19.69x19.69 in.)** with rods 60 mm (2.36 in.) (10x), 100 mm (3.94 in.) (39x) and extension 150 mm (5.91 in.) (4x)
- ▶ **Draining rack 60x60 cm (23.62x23.62 in.)** with rods 60 mm (2.36 in.) (15x), 100 mm (3.94 in.) (56x) and extension 150 mm (5.91 in.) (6x)

Extension Item No. 9640-0415 can only be used with rod Item No. 9640-0410.

Available as:

- ▶ Draining rack, wallmount, incl. wall mounting set (screws, dowels), optionally available with removable draining channel which has a connection for a draining tube (The drainage water goes into the lab basin)
- ▶ Draining rack, benchtop, with collecting pan
- ▶ Draining rack PVC, rods PP
- ▶ Incl. spanner for the rods

Attention! Make sure to pay attention to the "List of Chemical Resistance"!



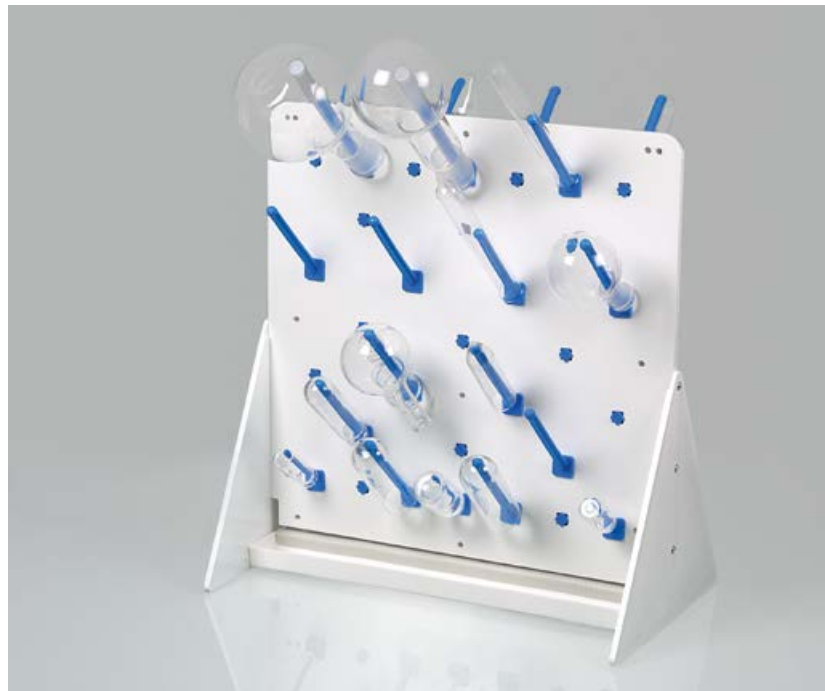
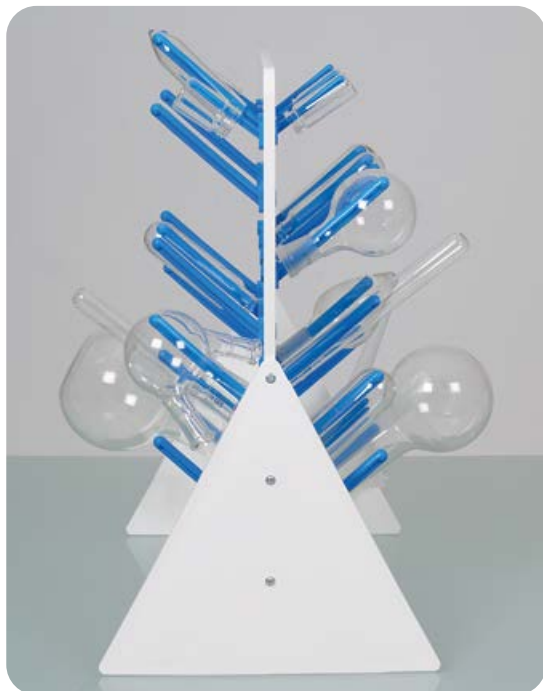
Draining rack, wallmount

Model	W x H mm (in.)	Item no.	
without draining channel	400 x 400 (15.75 x 15.75)	9640-1040	N4
without draining channel	500 x 500 (19.69 x 19.69)	9640-1050	N4
without draining channel	600 x 600 (23.62 x 23.62)	9640-1060	N4
with draining channel	400 x 400 (15.75 x 15.75)	9640-2040	N4
with draining channel	500 x 500 (19.69 x 19.69)	9640-2050	N4
with draining channel	600 x 600 (23.62 x 23.62)	9640-2060	N4

Accessories

Description	Item no.
Rods for draining rack length 60 mm (2.36 in.), dia. 6 mm (0.24 in.)	9640-0421 N4
Rods for draining rack length 100 mm (3.94 in.), dia. 10 mm (0.39 in.)	9640-0410 N4
Extension rods for draining rack length 150 mm (5.91 in.), dia. 12 mm (0.47 in.)	9640-0415 N4

Draining rack, benchtop



The draining rack is easy and flexible to set down on a table or working surface. Two large supports with wide bases ensure sufficient stability. Since both sides of the draining board can be used, it provides twice the hanging space. The collecting pan can simply be removed for emptying.

- Flexible, can be used on both sides



YouTube

LaboPlast

Draining rack, benchtop



W x H mm (in.)	Item no.	
400 x 400 (15.75 x 15.75)	9640-3040	N4
500 x 500 (19.69 x 19.69)	9640-3050	N4
600 x 600 (23.62 x 23.62)	9640-3060	N4

Accessories

Description	Item no.	
Rods for draining rack length 60 mm (2.36 in.), dia. 6 mm (0.24 in.)	9640-0421	N4
Rods for draining rack length 100 mm (3.94 in.), dia. 10 mm (0.39 in.)	9640-0410	N4
Extension rods for draining rack length 150 mm (5.91 in.), dia. 12 mm (0.47 in.)	9640-0415	N4

Titration burette automatic



Burette with Schellbach stripes type Schilling / Bürkle with original Bürkle dosing armature.

A universal aid in the laboratory, electroplating industry, water treatment plants, for field analyses, etc.

Precise dosing using the press button, exact fine titration with the micro-screw and precise discharge jet.

Graduation according to Category B (Tolerances according to DIN EN ISO 385).

- ▶ Adjusted for Ex
- ▶ Burette made of borosilicate glass 3.3
- ▶ Resistant to chemicals
- ▶ Blue ring graduations (Colordur)
- ▶ Left or right hand operation possible
- ▶ Sturdy stand
- ▶ Precise discharge jet, allowing very fine drops
- ▶ Parts in contact with the medium: PE, PP, natural rubber, borosilicate glass

! Attention! Make sure to pay attention to the "List of Chemical Resistance"!



Titration burette automatic

DIN

Burette capacity ml	Division ml	Precision ml	Height cm (in.)	Capacity l (gal.)	Item no.
5	0.05	± 0.03	61 (24.02)	0.5 (0.13)	9695-1005 N4
10	0.05	± 0.045	56 (22.05)	0.5 (0.13)	9695-1010 N4
15	0.1	± 0.045	52 (20.47)	0.5 (0.13)	9695-1015 N4
25	0.1	± 0.075	65 (25.59)	1 (0.26)	9695-1025 N4
50	0.1	± 0.075	92 (36.22)	1 (0.26)	9695-1050 N4

Splinter-proof titrating burette

The titrating burette with splinter protection is a fast acting burette with Schellbach stripes based on Dr. Schilling's design with automatic zero point extraction and Bürkle dosing armature.

The glass burette has a plastic sheathing which increases resistance to breaking and protects against splinters. The possibility of the burette breaking is much lower than with a conventional burette, and if it does break, there will be no dangerous splinters.

The Bürkle dosing armature allows for precise dosing and exact fine titration with the press button or micro-screw and precise discharge through the discharge jet.

- ▶ Burette with splinter-proof sheathing
- ▶ Adjusted to Ex
- ▶ Burette made of borosilicate glass 3.3
- ▶ Shatter-proof, resistant to chemicals
- ▶ Sturdy stand
- ▶ Precise discharge jet, allowing very fine drops
- ▶ Parts in contact with medium: PE, PP, natural rubber, borosilicate glass



Splinter-proof titrating burette



Burette capacity ml	Division ml	Precision ml	Height cm (in.)	Capacity l (gal.)	Item no.
15	0.1	± 0.045	52 (20.47)	0.5 (0.13)	9695-3015 N4
25	0.1	± 0.075	65 (25.59)	1 (0.26)	9695-3025 N4
50	0.1	± 0.075	92 (36.22)	1 (0.26)	9695-3050 N4



Make connections – with Bürkle LaboPlast® hose connectors



Bürkle offers a large portfolio of different hose connectors that are used to extend, connect, branch, join and repair hoses, etc.



The ranges of application are diverse and thus the requirements for shape, size and material properties are broadly based.



We produce our LaboPlast® hose connectors in many sizes and shapes (I, T, Y, X, L) to be able to also safeguard a flexible and safe solution and connection for demanding applications at all times.



We offer these connectors made of polypropylene as standard. However here we would like to point out our connectors made of PVDF (polyvinylidene fluoride).



Do you prefer moving images of our connectors? – No problem! Visit us at

www.buerkle.de/videos

or simply scan the code opposite with your smartphone and select the films that you find interesting.

PVDF – for demanding applications

PVDF is a fluoropolymer with superior product properties:

- ▶ Highest chemical resistance
- ▶ High temperature resistance (up to 160 °C (320 °F))
- ▶ Food industry approval
- ▶ Autoclavable
- ▶ UV-resistant

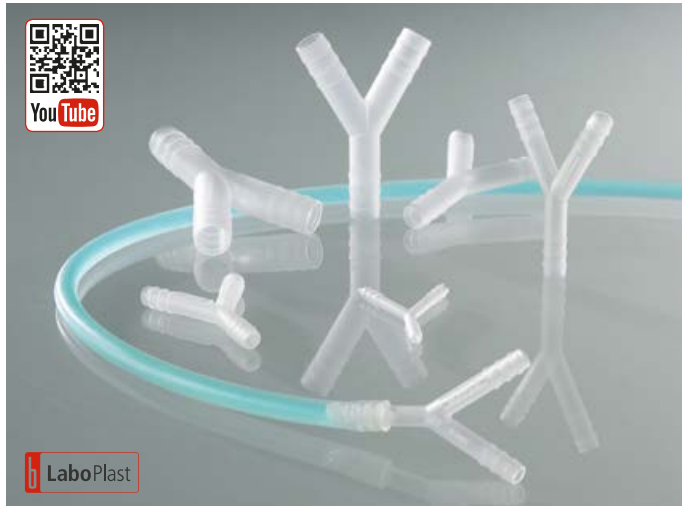


If you value high-quality and flexible solutions for demanding applications, test our unique connector made of PVDF.

Improve your connections – with Bürkle LaboPlast® PVDF hose connectors!



Y-connectors

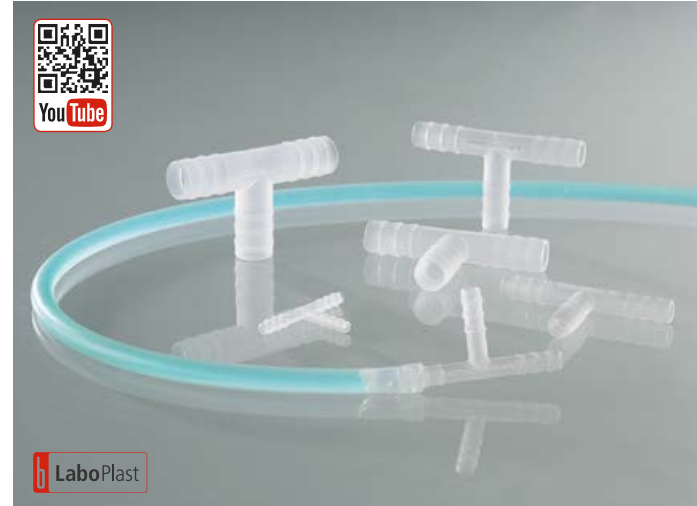


Cylindrical Y hose connector to connect hoses.

- ▶ PP, Temperature resistant up to +135 °C (+275 °F) max.
- ▶ PVDF, Temperature resistant up to +160 °C (+320 °F) max., highly resistant to chemicals
- ▶ Sterilizable

Y-connectors							
Material	For dia. mm (in.)	Pieces per pack	Item no.				
PP	3-5 (0.12-0.20)	10	8706-0004	N4			
PP	5-7 (0.20-0.28)	10	8706-0006	N4			
PP	6-8 (0.24-0.31)	10	8706-0007	N4			
PP	7-9 (0.28-0.35)	10	8706-0008	N4			
PP	9-11 (0.35-0.43)	10	8706-0010	N4			
PP	11-13 (0.43-0.51)	10	8706-0012	N4			
PP	13-15 (0.51-0.59)	10	8706-0014	N4			
PVDF	3-5 (0.12-0.20)	10	8712-0004	N4			
PVDF	5-7 (0.20-0.28)	10	8712-0006	N4			
PVDF	7-9 (0.28-0.35)	10	8712-0008	N4			
PVDF	9-11 (0.35-0.43)	10	8712-0010	N4			
PVDF	11-13 (0.43-0.51)	10	8712-0012	N4			
PVDF	13-15 (0.51-0.59)	10	8712-0014	N4			

T-connectors



Cylindrical T hose connector to connect hoses.

- ▶ PP, Temperature resistant up to +135 °C (+275 °F) max.
- ▶ PVDF, Temperature resistant up to +160 °C (+320 °F) max., highly resistant to chemicals
- ▶ Sterilizable

T-connectors							
Material	For dia. mm (in.)	Pieces per pack	Item no.				
PP	3-5 (0.12-0.20)	10	8705-0004	N4			
PP	5-7 (0.20-0.28)	10	8705-0006	N4			
PP	7-9 (0.28-0.35)	10	8705-0008	N4			
PP	9-11 (0.35-0.43)	10	8705-0010	N4			
PP	11-13 (0.43-0.51)	10	8705-0012	N4			
PP	13-15 (0.51-0.59)	10	8705-0014	N4			
PVDF	3-5 (0.12-0.20)	10	8711-0004	N4			
PVDF	5-7 (0.20-0.28)	10	8711-0006	N4			
PVDF	7-9 (0.28-0.35)	10	8711-0008	N4			
PVDF	9-11 (0.35-0.43)	10	8711-0010	N4			
PVDF	11-13 (0.43-0.51)	10	8711-0012	N4			
PVDF	13-15 (0.51-0.59)	10	8711-0014	N4			

Angled connectors

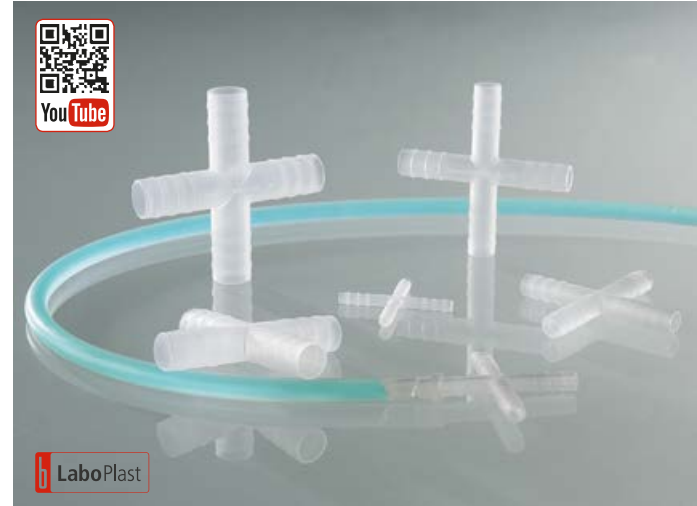


Cylindrical angle hose connector to connect hoses.

- ▶ PP, Temperature resistant up to +135 °C (+275 °F) max.
- ▶ PVDF, Temperature resistant up to +160 °C (+320 °F) max., highly resistant to chemicals
- ▶ Sterilizable

Angled connectors							
Material	For dia. mm (in.)	Pieces per pack	Item no.				
PP	3-5 (0.12-0.20)	10	8707-0004	N4			
PP	5-7 (0.20-0.28)	10	8707-0006	N4			
PP	7-9 (0.28-0.35)	10	8707-0008	N4			
PP	9-11 (0.35-0.43)	10	8707-0010	N4			
PP	11-13 (0.43-0.51)	10	8707-0012	N4			
PP	13-15 (0.51-0.59)	10	8707-0014	N4			
PVDF	3-5 (0.12-0.20)	10	8713-0004	N4			
PVDF	5-7 (0.20-0.28)	10	8713-0006	N4			
PVDF	7-9 (0.28-0.35)	10	8713-0008	N4			
PVDF	9-11 (0.35-0.43)	10	8713-0010	N4			
PVDF	11-13 (0.43-0.51)	10	8713-0012	N4			
PVDF	13-15 (0.51-0.59)	10	8713-0014	N4			

Four-way-connectors



Cylindrical four-way hose connector to connect hoses.

- ▶ PP, Temperature resistant up to +135 °C (+275 °F) max.
- ▶ PVDF, Temperature resistant up to +160 °C (+320 °F) max., highly resistant to chemicals
- ▶ Sterilizable

Four-way-connectors							
Material	For dia. mm (in.)	Pieces per pack	Item no.				
PP	3-5 (0.12-0.20)	10	8708-0004	N4			
PP	5-7 (0.20-0.28)	10	8708-0006	N4			
PP	7-9 (0.28-0.35)	10	8708-0008	N4			
PP	9-11 (0.35-0.43)	10	8708-0010	N4			
PP	11-13 (0.43-0.51)	10	8708-0012	N4			
PP	13-15 (0.51-0.59)	10	8708-0014	N4			
PVDF	3-5 (0.12-0.20)	10	8717-0004	N4			
PVDF	5-7 (0.20-0.28)	10	8717-0006	N4			
PVDF	7-9 (0.28-0.35)	10	8717-0008	N4			
PVDF	9-11 (0.35-0.43)	10	8717-0010	N4			
PVDF	11-13 (0.43-0.51)	10	8717-0012	N4			
PVDF	13-15 (0.51-0.59)	10	8717-0014	N4			

Hose tubing connectors, straight, cylindrical



Cylindrical straight hose connectors for various hose sizes.

- ▶ PP, Temperature resistant up to +135 °C (+275 °F) max.
- ▶ PVDF, Temperature resistant up to +160 °C (+320 °F) max., highly resistant to chemicals
- ▶ Sterilizable

Hose tubing connectors, straight, cylindrical nozzles							
Material	For dia. mm (in.)	Pieces per pack	Item no.				
PP	3-5 (0.12-0.20)	10	8701-0004	N4			
PP	5-7 (0.20-0.28)	10	8701-0006	N4			
PP	7-9 (0.28-0.35)	10	8701-0008	N4			
PP	9-11 (0.35-0.43)	10	8701-0010	N4			
PP	11-13 (0.43-0.51)	10	8701-0012	N4			
PP	13-15 (0.51-0.59)	10	8701-0014	N4			
PVDF	3-5 (0.12-0.20)	10	8710-0004	N4			
PVDF	5-7 (0.20-0.28)	10	8710-0006	N4			
PVDF	7-9 (0.28-0.35)	10	8710-0008	N4			
PVDF	9-11 (0.35-0.43)	10	8710-0010	N4			
PVDF	11-13 (0.43-0.51)	10	8710-0012	N4			
PVDF	13-15 (0.51-0.59)	10	8710-0014	N4			

Universal hose tubing connectors



Conical, straight hose connectors for universal use.

- ▶ PP, Temperature resistant up to +135 °C (+275 °F) max.
- ▶ PVDF, Temperature resistant up to +160 °C (+320 °F) max., highly resistant to chemicals
- ▶ Sterilizable

Universal hose tubing connectors with conical nozzles							
Material	For dia. mm (in.)	Pieces per pack	Item no.				
PP	4-17 (0.16-0.67)	10	8700-0417	N4			
PVDF	4-17 (0.16-0.67)	10	8710-0417	N4			

Magic Box



In this magic box, you can invariably find the appropriate hose connector you are looking for.

Magic box includes 68 connectors:

Two of each in sizes 4 (0.16), 6 (0.24), 8 (0.31), 10 (0.39), 12 (0.47) and 14 mm (0.55 in.)

- ▶ Straight hose connector Item No. 8701-
- ▶ T hose connector Item No. 8705-
- ▶ Y hose connector Item No. 8706-
- ▶ X hose connector Item No. 8708-
- ▶ Angle hose connector Item No. 8707-


Two of each for hoses from 4-17 mm (0.16-0.67 in.)

- ▶ Universal hose connector Item No. 8700-0417

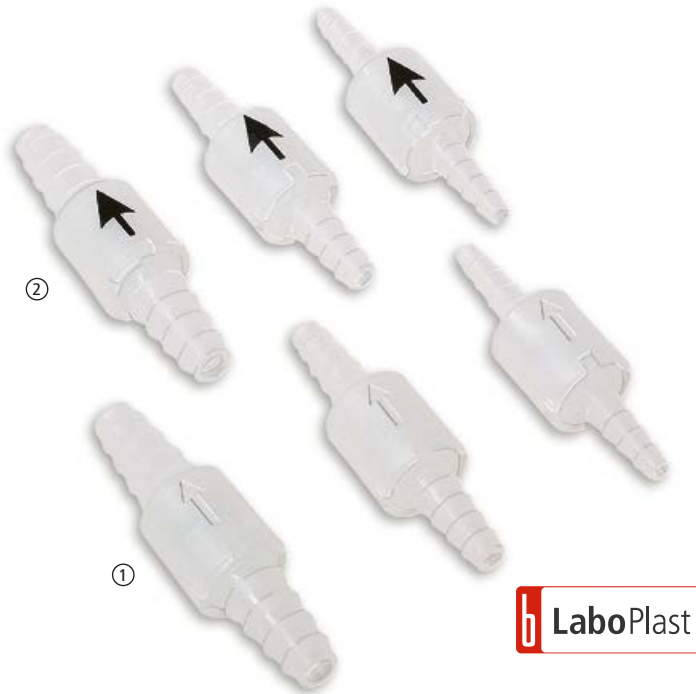
Two of each in sizes 4-8 (0.16-0.31), 4-12 (0.16-0.47), and 8-12 mm (0.31-0.47 in.)

- ▶ Reducing hose connector Item No. 8703-
- ▶ PP, shatterproof and transparent

Magic Box

Item no. 
8715-1000 N4

Non-return valves with conical inlet/outlet



LaboPlast

Retaining valve with embossed directional arrow or printed in black. With conical nozzles. Various uses.

- ▶ Resistant to compression max. 4 bar (58.01 psi)
- ▶ Operating temperature +0 °C (+32 °F) to +40 °C (+104 °F)
- ▶ With PP valve ball, on request also with ball made of stainless steel or PTFE

Hose cutter



Edges cut with the hose cutter are always clean and flat, even in the case of thick hoses. For hoses to Ø 20 mm (0.79 in.).

Non-return valves with conical inlet/outlet

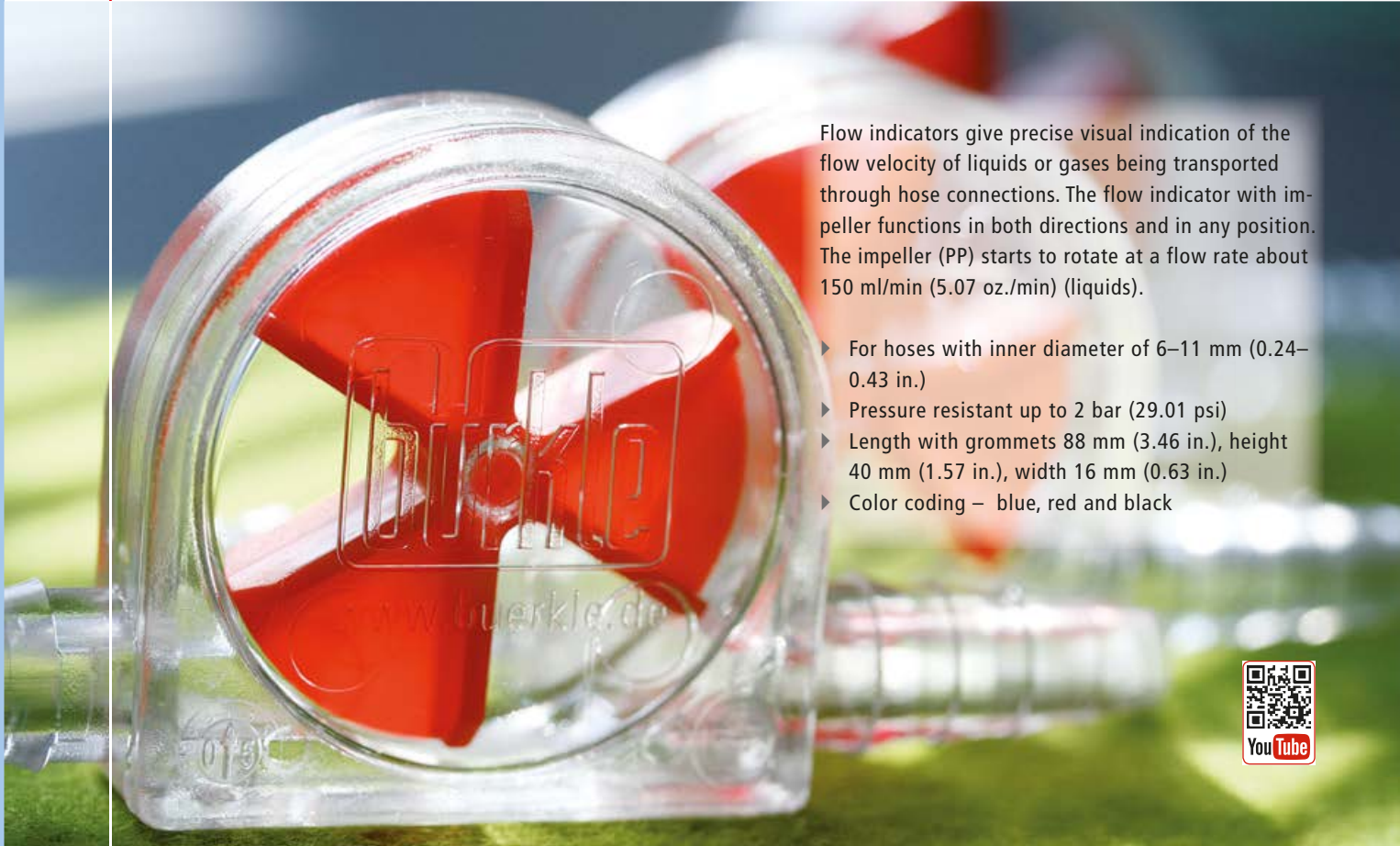
For dia. mm (in.)	Print	Item no.	
① 6-8 (0.24-0.31)	embossed	8714-0060	N4
① 8-10 (0.31-0.39)	embossed	8714-0080	N4
① 10-14 (0.39-0.55)	embossed	8714-0100	N4
② 6-8 (0.24-0.31)	black	8714-1006	N4
② 8-10 (0.31-0.39)	black	8714-1008	N4
② 10-14 (0.39-0.55)	black	8714-1010	N4



Hose cutter

Item no.	
0006-9506	N3

Flow indicators



Flow indicators give precise visual indication of the flow velocity of liquids or gases being transported through hose connections. The flow indicator with impeller functions in both directions and in any position. The impeller (PP) starts to rotate at a flow rate about 150 ml/min (5.07 oz./min) (liquids).

- ▶ For hoses with inner diameter of 6–11 mm (0.24–0.43 in.)
- ▶ Pressure resistant up to 2 bar (29.01 psi)
- ▶ Length with grommets 88 mm (3.46 in.), height 40 mm (1.57 in.), width 16 mm (0.63 in.)
- ▶ Color coding – blue, red and black



Flow indicators LiquiMobil SAN



LiquiMobil flow indicator made of SAN is mainly suitable for cooling systems and helps to reduce water consumption considerably because the cooling water flow can be adjusted better. Not suitable for aggressive substances.

- ▶ Operating temperature LiquiMobil SAN max. +30 °C (+86 °F)

Flow indicators CheMobil PMP



CheMobil made of PMP/TPX can be used for many substances due to its good chemical resistance. Not suitable for strong acids, alkalis and solvents. CheMobil can be steam sterilized.

- ▶ Operating temperature CheMobil PMP max. +60 °C (+140 °F)

Flow indicators LiquiMobil SAN

Color	Item no.			
red	8720-1002 N4			
black	8720-1003 N4			
blue	8720-1005 N4			

Flow indicators CheMobil PMP

Color	Item no.				
red	8720-2002 N4				
black	8720-2003 N4				
blue	8720-2005 N4				

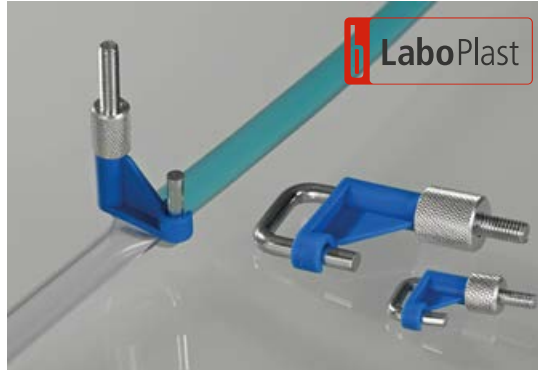
stop-it hose clamps



The tubing clamp can be used wherever the flow in hoses or tubings with liquids or gases needs to be regulated or stopped.

Stepless flow regulation: With the tubing clamp stop-it's knurled screw, a stepless, delicate flow regulation or complete stop of the flow are possible, even for existing hose connections. The tubing is compressed over a wide area against the sturdy steel hook in order to prevent it from being damaged.

Tubing clamp stop-it with Easy-Click closure



Easy-Click closure – stop-it tubing clamps can be opened and closed in any position – without tiresome screwing on and off. High quality material – stop-it made from the heat resistant and chemical resistant plastic PVDF. The hook is galvanised steel.

- ▶ PVDF, aluminum and steel, zinc coated
- ▶ Temperature resistant up to 140 °C (284 °F)
- ▶ For flexible hoses or tubings with outer Ø up to 10 mm (0.39 in.), 15 mm (0.59 in.) and 20 mm (0.79 in.)
- ▶ Available in four fresh colors

Tubing clamp stop-it metal



The materials steel and aluminum ensure that the stop-it metal is extremely heat resistant and sturdy. The tubing clamp is available in four different sizes, for hose diameters up to max. 30 mm (1.18 in.).

- ▶ Galvanized steel and aluminum
- ▶ For flexible hoses or tubings with outer Ø up to 10 mm (0.39 in.), 15 mm (0.59 in.), 20 mm (0.79 in.) and 30 mm (1.18 in.)

Bulk prices

Tubing clamp stop-it with Easy-Click closure

For dia. mm (in.)	Color	Item no.	
to 10 (0.39)	red	8619-0102	N4
to 10 (0.39)	yellow	8619-0104	N4
to 10 (0.39)	blue	8619-0105	N4
to 10 (0.39)	green	8619-0106	N4
to 15 (0.59)	red	8619-0152	N4
to 15 (0.59)	yellow	8619-0154	N4
to 15 (0.59)	blue	8619-0155	N4
to 15 (0.59)	green	8619-0156	N4
to 20 (0.79)	red	8619-0202	N4
to 20 (0.79)	yellow	8619-0204	N4
to 20 (0.79)	blue	8619-0205	N4
to 20 (0.79)	green	8619-0206	N4

Tubing clamp stop-it metal

For dia. mm (in.)	Item no.		
up to 10 (0.39)	8619-0510	N4	
up to 15 (0.59)	8619-0515	N4	
up to 20 (0.79)	8619-0520	N4	
up to 30 (1.18)	8619-0530	N4	

Two-way valves

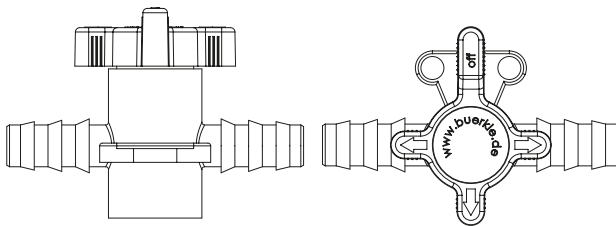


Three-way valves



Two and three-way valves are used for transfer of liquids or gases in order to release the flow, to block it or to change its direction.

- ▶ PVDF: excellent chemical resistance, transparent, suitable for food
- ▶ PP/PE: for industrial use, red/white
- ▶ Operating temperature: PVDF +0 °C (+32 °F) up to +40 °C (+104 °F), PP/PE +5 °C (41 °F) up to +40 °C (+104 °F)
- ▶ Resistant to compression max. 1 bar (14.50 psi)
- ▶ With mounting plate for easy installation



Two-way valves

Material	For dia. mm (in.)	Nominal width mm (in.)	Item no.
PP/PE	5-7 (0.20-0.28)	4 (0.16)	8605-0060 N4
PP/PE	7-9 (0.28-0.35)	6 (0.24)	8605-0080 N4
PP/PE	9-11 (0.35-0.43)	8 (0.31)	8605-0100 N4
PP/PE	11-13 (0.43-0.51)	8 (0.31)	8605-0120 N4
PVDF	5-7 (0.20-0.28)	4 (0.16)	8607-0060 N4
PVDF	7-9 (0.28-0.35)	6 (0.24)	8607-0080 N4
PVDF	9-11 (0.35-0.43)	8 (0.31)	8607-0100 N4
PVDF	11-13 (0.43-0.51)	8 (0.31)	8607-0120 N4

Three-way valves

Material	For dia. mm (in.)	Nominal width mm (in.)	Item no.
PP/PE	5-7 (0.20-0.28)	4 (0.16)	8606-0060 N4
PP/PE	7-9 (0.28-0.35)	6 (0.24)	8606-0080 N4
PP/PE	9-11 (0.35-0.43)	8 (0.31)	8606-0100 N4
PP/PE	11-13 (0.43-0.51)	8 (0.31)	8606-0120 N4
PVDF	5-7 (0.20-0.28)	4 (0.16)	8608-0060 N4
PVDF	7-9 (0.28-0.35)	6 (0.24)	8608-0080 N4
PVDF	9-11 (0.35-0.43)	8 (0.31)	8608-0100 N4
PVDF	11-13 (0.43-0.51)	8 (0.31)	8608-0120 N4

Valves made of PTFE, two-way and three-way Mercury collector



Two-way / three-way valves made of solid PTFE with hose nozzles. Resistant to chemicals. Very easy connection thanks to its excellent antifriction properties. Blue handles made of PP.

- ▶ Resistant to compression max. 1 bar (14.50 psi)
- ▶ Vacuum suitable up to 5 mmHg
- ▶ Autoclavable

Valves made of PTFE, two-way and three-way

Model	For dia. mm (in.)	Nominal width mm (in.)	Item no.
three-way valve	4.5 (0.18)	2 (0.08)	8610-0001 N4
three-way valve	6.8 (0.27)	3 (0.12)	8610-0003 N4
three-way valve	10 (0.39)	4 (0.16)	8610-0006 N4
two-way valve	4.5 (0.18)	2 (0.08)	8610-0010 N4
two-way valve	6.8 (0.27)	3 (0.12)	8610-0012 N4
two-way valve	10 (0.39)	4 (0.16)	8610-0015 N4



Bürkle's mercury collector enables the easy collection of spilt mercury, which can then be used again. The mercury collector is composed of a tub with a screw cap lid that has a special plastic foam inserted. On pressing this foam gently on the spilt mercury, the foam's pores are opened and the mercury globules are absorbed. The cap is then screwed on the tub, the globules are released again and fall through the perforated separation into the tub.

Mercury collector

Item no.	Item no.
9789-0001	N4
Accessories	
Description	Item no.
Spare plastic foam insert for mercury collector	9789-0002 N4

Chemical resistance

Chemicals					Plastics																								
Formula	CAS-No.	Concentration	Hazard note	Inflammable	HDPE	LDPE	PA	PC	PETG	PMP	POM	PP	PS	PSU	PVC HARD	PVC SOFT	SAN	ECTFE/ETFE	FEP	PTFE	PVDF	EPDM	FPM/FKM	NBR	SI	AL	AISI 304	AISI 316L	
Acetone	C ₃ H ₆ O	000067-64-1	F, Xi	X	1/1	3/3	1/0	4/4	4/4	2/3	1/3	1/3	4/4	4/4	4/4	0/0	4/4	2/3	(1)	1/1	3/4	1/4	4/4	4/4	0/0	1/1	1/1	1/1	
Calcium chloride	CaCl ₂	010043-52-4	aqueous	Xi	1/1	1/1	1/0	1/0	1/0	1/1	(3)	1/1	1/1	1/0	1/3	1/0	1/1	1/1	1/1	1/1	1/1	1/0	1/1	1/1	0/0	3/3	1/2L	1/2L	
Chlorine	Cl ₂	007782-50-5	10 % wet	T	3/4	3/4	4/4	2/3	4/4	2/4	4/4	4/4	4/4	4/4	1/2	0/0	4/4	1/1	1/1	(2)	2/0	3/0	4/4	0/0	4/4	4/4	4/4		
Chloroform	CHCl ₃	000067-66-3	100 %	Xn	3/4	4/4	3/4	4/4	4/4	4/4	4/4	3/4	4/4	4/4	4/4	4/4	4/4	2/3	1/1	1/1	1/1	4/4	3/4	4/4	0/0	(3)	1/1	1/1	
Developer for fotos	—	—	?		1/3	1/1	4/4	(2)	1/0	0/0	1/3	1/2	0/0	1/0	1/3	1/0	0/0	0/0	(1)	1/1	1/1	3/0	1/0	1/0	0/0	1/1	1/0	1/0	
Ethyl alcohol	C ₂ H ₆ O	000064-17-5	96 %	F	X	1/0	1/3	1/0	1/3	1/1	1/2	1/2	1/1	3/4	1/2	1/3	3/0	1/3	1/1	1/1	1/1	1/0	3/0	3/3	0/0	1/1	1/1	1/1	
Formaldehyde solution	CH ₂ O	000050-00-0	40 %	T	1/2	2/3	1/3	1/2	1/0	1/2	1/2	1/2	4/4	2/3	2/3	3/3	0/4	1/1	1/1	1/1	1/1	1/0	3/0	(3)	0/0	1/1	1/1	1/1	
Formic acid	CH ₂ O ₂	000064-18-6	98-100 %	C	1/1	1/2	4/4	3/4	0/0	1/3	4/4	1/3	3/4	3/3	3/4	1/3	3/4	1/1	(1)	1/1	1/1	3/4	4/4	4/4	0/0	1/0	1/3	1/2	
Fuel oil	—	—		Xn	3/3	3/4	1/0	3/3	1/0	2/3	1/1	1/3	3/4	1/2	1/1	3/3	1/1	1/1	1/1	1/1	1/1	4/4	1/1	1/1	0/0	1/1	1/1	1/1	
Gasoline	C ₈ H ₁₂ -C ₁₂ H ₂₆	086290-81-5		F, Xn, N	X	2/3	3/4	1/0	3/3	(2)	2/3	1/2	3/4	4/4	3/3	2/4	0/0	0/4	1/1	1/1	1/1	4/4	(1-3)	3/0	0/0	1/1	1/1	1/1	
Hydrogen chloride	HCl	007647-01-0	35 %	C	1/1	1/1	4/4	4/4	(4)	1/2	4/4	1/2	3/3	1/1	2/3	3/3	1/3	1/1	1/1	1/1	1/1	3/0	1/2	4/4	0/0	4/4	4/4	4/4	
Hydrogen fluoride	HF	007664-39-3	70 %	T+, C	0/0	1/3	4/4	4/4	4/4	0/0	4/4	1/3	4/4	4/4	1/4	3/0	0/0	0/0	(1)	1/1	1/1	3/4	(3)	4/4	0/0	4/4	4/4	4/4	
Isopropyl alcohol	C ₃ H ₈ O	000067-63-0	techn. pure	F	X	1/1	1/1	1/0	1/2	1/0	1/2	1/0	1/1	2/2	1/2	1/2	4/4	1/4	1/1	1/1	1/1	1/0	1/1	3/3	0/0	(2)	(1)	(1)	
Methyl ethyl ketone (MEK)	C ₄ H ₈ O	000078-93-3		F	X	1/3	3/4	1/0	4/4	4/4	4/4	1/2	1/3	4/4	4/4	4/4	4/4	2/3	1/1	1/1	3/4	3/0	4/4	4/4	0/0	(1)	(1)	(1)	
Nitric acid	HNO ₃	007697-37-2	50 %	C+	2/4	3/4	4/4	4/4	(2)	2/4	4/4	3/4	4/4	2/3	2/3	0/0	0/3	1/1	1/1	1/1	1/1	4/4	1/0	4/4	0/0	4/4	1/2	1/2	
Nitrohydrochloric acid	HNO ₃ + HCl	008007-56-5		C	4/4	4/4	4/4	4/4	3/3	4/4	4/4	4/4	4/4	4/4	4/4	3/4	1/1	(2)	1/1	3/0	4/4	4/4	4/4	0/0	4/4	4/4	4/4		
Phosphoric acid	H ₃ PO ₄	007664-38-2	85 %	C	1/1	1/1	4/4	1/2	0/0	1/2	4/4	1/2	1/2	1/1	1/2	1/1	1/2	1/1	1/1	1/1	1/1	3/0	1/1	4/4	0/0	4/4	2/4	1/3	
Sodium hydroxide	NaOH	001310-73-2	50 %	C+	1/1	1/1	1/0	4/4	4/4	1/1	1/3	1/1	2/2	1/1	1/2	0/0	0/3	1/1	1/1	1/1	3/3	1/0	3/4	3/3	0/0	4/4	1/3	1/3	
Spirits of Turpentine	—	008006-64-2		Xn	X	2/2	3/4	1/0	4/4	1/0	3/3	1/1	4/4	4/4	2/3	4/4	3/3	1/1	1/1	1/0	1/3	4/4	1/1	3/3	0/0	1/1	1/1	1/1	
Sulfuric acid	H ₂ SO ₄	007664-93-9	95 %	C+	3/4	3/4	4/4	4/4	2/2	4/4	3/4	4/4	4/4	2/4	0/0	4/4	1/1	1/1	1/1	1/1	4/4	1/1	4/4	1/1	4/4	0/0	4/4	1/3	1/3
Tetrachloroethylene	C ₂ Cl ₄	000127-18-4		Xn	4/4	4/4	4/4	3/4	4/4	1/3	4/4	4/4	4/4	4/4	4/4	4/4	3/3	1/1	1/1	1/1	1/1	4/4	2/3	4/4	0/0	(3)	0/0	0/0	
Trichloroethylene (TRI)	C ₂ HCl ₃	000079-01-6	100 %	Xn	3/4	4/4	3/0	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	0/4	1/2	1/1	1/0	1/1	4/4	1/3	4/4	0/0	1/3	1/1L	1/1L		
Vinegar	C ₂ H ₄ O ₂	000064-19-7		(Xi)	1/1	1/3	4/4	1/2	1/1	1/0	1/3	1/1	1/0	1/0	1/0	3/0	1/1	1/1	1/1	1/1	1/0	3/3	3/3	0/0	1/3	1/2	1/2		
Xylene	C ₈ H ₁₀	001330-20-7		(F), Xn	X	3/4	3/4	1/0	4/4	0/0	3/4	1/2	4/4	4/4	4/4	4/4	4/4	1/2	1/1	1/0	1/3	4/4	1/3	4/4	0/0	1/1	1/1	1/1	

Two values are given per substance, left number = value at + 20 °C (+68 °F), right number = value at + 50 °C (+122 °F).

1 = resistant, 2 = practically resistant, 3 = partially resistant, 4 = not resistant, 0 = no data available.

K = no general information available; L = danger of pitting or stress-cracking corrosion, values in parentheses are estimated values.

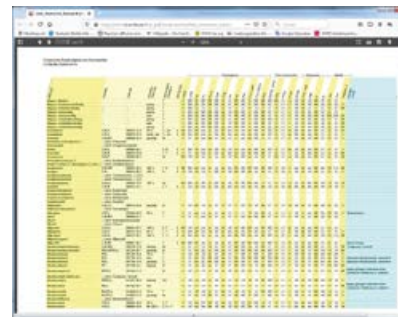
Hazard notes: C = caustic; F = inflammable; F+ = highly inflammable; O = fire-promoting; T = poisonous; T+ = very poisonous; Xn = slightly poisonous; Xi = irritant

Important note

The tables headed "Chemical resistance of plastics" and "Properties of plastics materials" have been compiled from information from various producers of raw materials. The figures relate exclusively to laboratory tests on raw materials.

Plastics items made from these materials are often subject to influences which cannot be detected in a laboratory test (temperature, pressure, stresses in the material, chemical substances, design features, etc.). For these reasons the figures quoted can serve only as a guideline. In case of doubt we strongly recommend that a test be carried out. No legal claims can be derived from these figures and we disclaim all liability. The chemical and mechanical resistance of a product does not suffice for the assessment of its suitability for use, for example legislation on flammable liquids (explosion protection) is to be taken into particular consideration.

Detailed table can be downloaded free of charge



- ▶ More than 1600 media
- ▶ With viscosity table
- ▶ CAS numbers
- ▶ Simple operation
- ▶ Free of charge
- ▶ Download address: www.buerkle.de/en/chemical-resistance

Plastics technology | overview of chemical resistance

EPDM	Ethylene propylene diene monomer	PA	Polyamide	PSU	Polysulfone
FEP	Fluorinated ethylene-propylene (Teflon, FEP)	PC	Polycarbonate	PTFE	Polytetrafluoroethylene
PETG	Polyethyleneterephthalate	PFA	Perfluoro-alkoxy (Teflon, PFA)	PVC	Polyvinylchlorid
FPM/FKM	Fluoroelastomer (Viton)	PMP	Polymethylpentene (TPX)	PVDF	Polyvinylidenefluoride
HDPE	High-density polyethylene	PP	Polypropylene	SAN	Styrene-acrylnitrile
LDPE	Low-density polyethylene	PS	Polystyrene	SI	Silicone rubber

Plastics abbreviations	Temperature		steam ⁴⁾ 121°C (249,8°F)	gas ethyleneoxide	Sterilization ⁵⁾ radiation 2.5 kGy	chemical formalin, ethanol	Transparency	Flexibility	Specific weight g/cm ³ (oz/in ³)	Water absorption %
	max. °C (°F) ₁₎	min °C (°F) ₂₎								
EPDM	+ 120° (+ 248)	- 30° (- 22)	yes	no	yes	yes	transparent	excellent	0.88 (0.51)	0.01
FEP	+ 205° (+ 401)	- 255° (- 427)	yes	yes	yes	yes	transparent	very good	2.15 (1.24)	< 0.01
FPM	+ 200° (+ 392)	- 20° (- 4)	no	no	no	no	black	good	1.90 (1.10)	0.20
HDPE	+ 110° (+ 230)	- 50° (- 58)	no	yes	yes	yes	transparent	stiff	0.95 (0.55)	0.01
LDPE	+ 95° (+ 203)	- 50° (- 58)	no	yes	yes	yes	transparent	excellent	0.92 (0.53)	0.01
PA	+ 90° (+ 194)	0° (+ 32)	no	yes	yes	yes	transparent	stiff	1.13 (0.65)	1.30
PC	+ 135° (+ 275)	- 135° (- 211)	yes	yes	yes	yes	clear	rigid	1.20 (0.69)	0.35
PFA	+ 250° (+ 482)	- 270° (- 454)	yes	yes	no	yes	transparent	excellent	2.15 (1.24)	0.03
PMP	+ 175° (+ 347)	- 150° (- 238)	yes	yes	yes	yes	glass-clear	stiff	0.83 (0.48)	0.01
PP	+ 135° (+ 275)	+ 5° (+ 41)	yes	yes	no	yes	transparent	stiff	0.90 (0.52)	0.02
PS	+ 70° (+ 158)	- 20° (- 4)	no	no	yes	yes	glass-clear	stiff	1.05 (0.61)	0.05
PSU	+ 165° (+ 329)	- 100° (- 148)	yes	yes	yes	yes	clear	stiff	1.24 (0.72)	0.30
PTFE	+ 270° (+ 518)	- 270° (- 454)	yes	yes	no	yes	white	excellent	2.25 (1.30)	< 0.01
PVC	+ 70° (+ 158)	- 30° (- 22)	no ³⁾	yes	no	yes	clear	stiff	1.35 (0.78)	0.06
PVDF	+ 160° (+ 158)	- 40° (- 40)	yes	yes	yes	yes	transparent	stiff	1.78 (1.03)	0.04
SAN	+ 95° (+ 203)	- 40° (- 40)	no	yes	no	yes	glass-clear	stiff	1.03 (0.60)	0.05
SI	+ 180° (+ 356)	- 60° (- 76)	yes	yes	no	yes	transparent	excellent	1.10 (0.64)	n/a
PETG	+ 70° (+ 158)	+ 5° (+ 41)	no	yes	yes	yes	glass-clear	stiff	1.78 (1.03)	0.70

¹⁾ Even higher for short periods

²⁾ Brittle temperature

³⁾ Except PVC hoses, which can be sterilized with steam at a temperature of 121 °C (249,8 °F)

⁴⁾ Frequent steam sterilization reduces mechanical stability!

⁵⁾ Clean apparatus with distilled water first (to avoid stress cracking corrosion). In the case of closed vessels, remove or slightly open lid, do not close lid tight again until the vessel has cooled down.

Substance class at 20 °C (68 °F)	ABS	ECTFE	HDPE	LDPE	PA	PC	PMP	PP	PS	PTFE/FEP/PFA	PVC	SAN	SI
Aldehydes	-	+	+	+	0	0	0	+	-	+	-	-	0
Alcohols aliphatic	+	+	+	+	0	+	+	+	+	+	+	+	+
Esters	-	+	0	0	+	-	0	0	-	+	-	-	0
Ethers	-	+	0	-	+	-	-	-	-	+	-	-	-
Ketones	-	0	0	0	+	-	0	0	-	+	-	-	-
Carbohydrates													
aliphatic	-	+	+	0	+	0	0	+	-	+	+	-	-
aromatic	-	+	+	0	+	-	-	0	-	+	-	-	-
halogenated	-	+	0	-	0	-	-	0	-	+	-	-	-
Acids, weak/dilute	0	+	+	+	0	0	+	+	0	+	+	0	0
Acids, strong/concentrated	-	+	+	+	-	-	+	+	0	+	+	-	-
Acids, oxidising	-	0	0	0	-	-	0	0	-	+	-	-	-
Bases	0	+	+	+	0	-	+	+	-	+	+	+	+

+ = excellent chemical resistance

The substance does not result in any damage to the plastic after 30 days of permanent contact. The plastic may remain resistant for years.

0 = good/limited chemical resistance

Within 7 to 30 days of permanent contact, the substance provokes minor damage which may be reversible (softening, swelling, reduction of mechanical strength, discolourations).

- = low chemical resistance

Not suitable for permanent contact with this substance. Damage to the plastic may occur immediately (reduction of mechanical strength, deformation, discolourations, splits, dissolution, risk of breakage).

Suitable thread adapters | for many container threads

Plastic barrels and containers can have a wide range of thread types. Some are standardized according to DIN, BSI or US standards. Other threads are manufacturer-specific. We can supply suitable adapters for most containers so that discharge valves, pumps and other accessories can be safely attached.

Various steps are necessary in order to select the correct adapter. Proceed as follows:

1. First use the thread table to select the container thread.

If possible use calipers for the measurement, although most threads can be measured accurately enough with a ruler.

If your container has an outer thread you will require an adapter with an inner thread. Containers with an inner thread require adapters with an outer thread.

2. In the Adapter overview on page 26 you will find the suitable adapter.

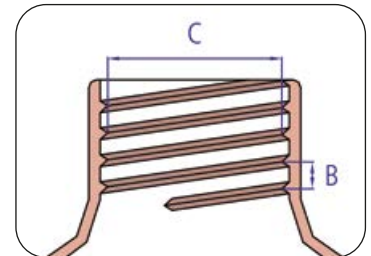
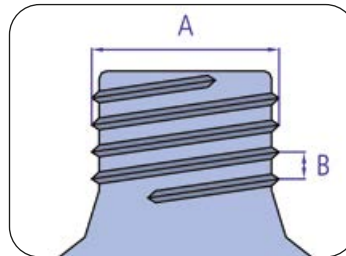
All thread descriptions refer directly to the adapter. This means that if your container has a $\frac{3}{4}$ " outer thread you will require an adapter with a $\frac{3}{4}$ " inner thread. If you cannot find the necessary adapter here, or if you cannot determine the thread size, just send us a screw cap and we will send you a suitable adapter.



Example

Your container thread is an outer thread with a diameter of 71 mm (2.80 in.). You want to use a PP barrel pump with a barrel screw joint. Use the thread table to determine the type of thread. As it is a 71 mm (2.80 in.) thread you will require an adapter with a 71 mm (2.80 in.) inner thread. The barrel screw joint thread is 2" BSP outer. This means that you need an adapter from 71 mm (2.80 in.) inner to 2" BSP inner. In the adapter table on page 26 you will then find the corresponding article number 0600-1003.

Internal thread	
12	35 mm (1.38 in.) - 2" BSP
13	51 mm (2.01 in.) - 2" BSP
14	DIN 61 - 2" BSP
15	63 mm (2.48 in.) - 2" BSP
16	DIN 71 - 2" BSP



Threads overview

A mm (in.)	B mm (in.)	C mm (in.)	Thread description	Thread type
53 (2.09)	5 (0.20)	50.5 (1.99)	51 mm (2.01 in.), DIN 51 *	sawtooth
59-60 (2.32-2.36)	6 (0.24)	55.8 (2.20)	60 mm (2.36 in.), DIN 60, S60	sawtooth
61 (2.40)	6 (0.24)	55.8 (2.20)	61 mm (2.40 in.), DIN 61, S60	sawtooth
71 (2.80)	6 (0.24)	66.5 (2.62)	71 mm (2.80 in.), DIN 71	sawtooth
59 (2.32)	2.2 (0.09)	57.5 (2.26)	2" BSP/R2" steel drum fine thread	sawtooth
64.5 (2.54)	5 (0.20)	60 (2.36)	63 mm (2.48 in.), 64 mm (2.52 in.) BSI	sawtooth
33.5 (1.32)	3 (0.12)	32.7 (1.29)	35 mm (1.38 in.)	round/std.
69.5 (2.74)	5.5 (0.22)	65 (2.56)	2" coarse thread Mauser L-Ring, S70	sawtooth
56 (2.20)	3.5 (0.14)	52.5 (2.07)	Tri-Sure/2" coarse thread v. Leer/Tri-sure, S56	sawtooth
63.2 (2.49)	4.25 (0.17)	57.5 (2.26)	US drum thread	sawtooth

*) old and alternative thread names are printed semibold

Packaging containers with UN approval

What is a container with UN approval?

The person who fills a package with hazardous materials is responsible for its safety on dispatch. In a UN approved container you can transport hazardous goods safely without having to repack them and thus save costs.

What is "UN-approved"?

The UN has drawn up a list of more than 6000 hazardous substances classified according to the risk that they represent; this determines their packaging group. Packaging group I (X) corresponds to a high degree of risk represented by the contents, e.g. very corrosive substances; packaging group II (Y) a medium degree of risk and packaging group III (Z) less hazardous substances. The UN approval describes the type of packaging to be used for the transport of hazardous substances. The certificate is issued by recognized material testing institutes. In mass production the manufacturer must guarantee that the product meets the specifications for the type of packaging and that the packaging is manufactured and tested according to a quality assurance program recognized and monitored by the registration office.

Test criteria (limits must not be infringed)

- ▶ chemical compatibility
- ▶ temperature
- ▶ flash point < 61 °C (141.8 °F)
- ▶ drop height
- ▶ pressure (i.e. vapor pressure of the contents plus partial pressure of any gases that may be present)
- ▶ packaging groups I, II, III (density kg/l)
- ▶ shelf life from filling date (if applicable)

Approval numbers

- ▶ The identification contains the symbol for UN-tested packaging, the code for the container material, packaging group, test pressure in kPa, year of manufacture, country of approval, registration office, approval number and manufacturer.
- ▶ If the approval number contains a letter (e.g. F or S) in the position that would otherwise be occupied by the test pressure in kPa then the packaging is only approved for use with solids, not with liquids.
- ▶ New approval numbers apply for all types of transport, i.e. there is no longer any limitation to road, rail, sea or air transport.



Aluminum bottle, see page 135 and 142



1B1 / X / 250 / 15 / D / BAM 1234 XYZ

Symbol for UN-tested packaging

Code for the container material

Packaging group

Test pressure in kPa

Year of manufacture and country of approval

Registration office, approval number and manufacturer

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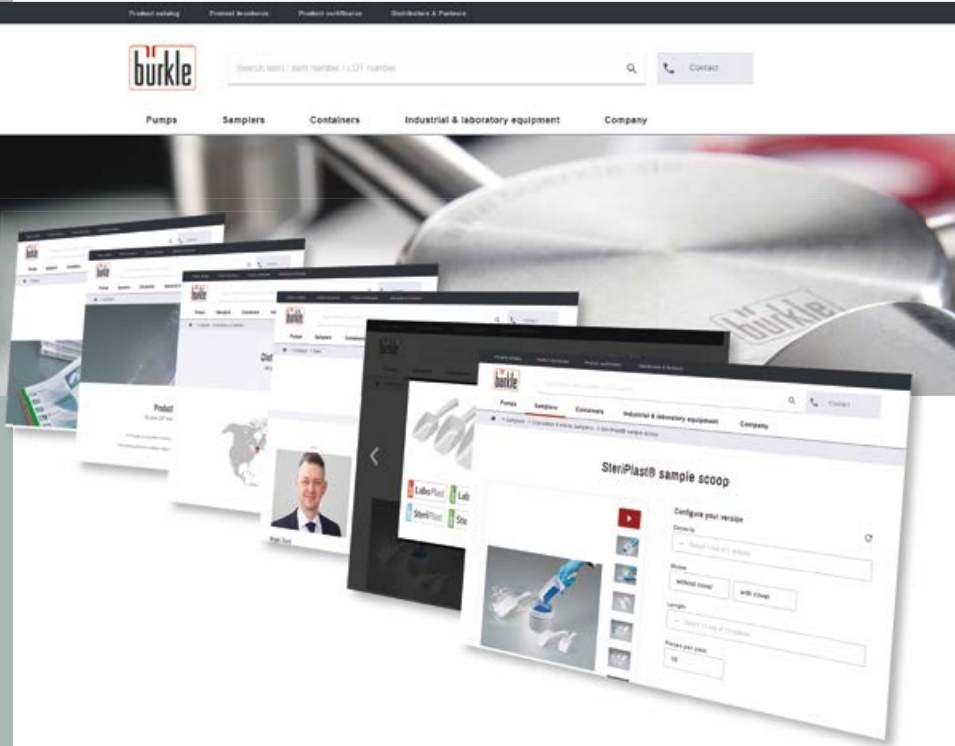
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	Material
	Ultra-pure material
	Translucent
	Glass-clear material
	Material impermeable to light
	Manufactured from renewable raw materials
	Suitable for use with foodstuffs
	Exceptional temperature-resistance
	Autoclavable up to max 121 °C (250 °F) 20 min.
	Product is sterilized
	Cap absolutely tight closing
	Observe explosion protection guidelines
	UN approved
	Produced according to DIN norm
	Produced according to CE guidelines
	Warranty period
	Unusual delivery period
	Attention! Important information
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Disposable funnels for liquids and powders

NEW
from page 103



New – Disposable funnels for liquids and disposable powder funnels

- ▶ For easy and reliable filling or filtering
- ▶ For use in laboratories and clean rooms or for sampling
- ▶ White, white bio, blue or blue detectable
- ▶ Complies with EU food requirements and FDA regulations
- ▶ Disposable, optionally sterilized

b LaboPlast

b SteriPlast

b LaboPlast
Bio

b SteriPlast
Bio



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