

CAMPIONATORI PER LIQUIDI



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 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 and soil samples 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/soil 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	Immersion depth cm	Dia. mm	Price €	Item no.		
PP, transparent	150	60	32		5330-1060	N4	
PP, transparent	250	100	32		5330-1100	N4	
PP, transparent	500	200	32		5330-1200	N4	
PTFE/FEP, transparent	150	60	32		5330-2060	N4	
PTFE/FEP, transparent	250	100	32		5330-2100	N4	
PTFE/FEP, transparent	500	200	32		5330-2200	N4	
Accessories							
Description				Price €	Item no.		
Cleaning brushes 25 mm dia., length 100 cm					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 to 200 cm
- ▶ 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 sampling/soil 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	Immersion depth cm	Tube Ø mm	Price €	Quantity scale from	Scale price €	Item no.
140	50	25		5		5315-0050 N4
280	100	25		5		5315-0100 N4
500	100 - 200	25		5		5315-0200 N4

Disposable plunging siphon



If strongly adhesive liquids are sampled, it can be a lot less expensive to dispose of the sampler than to carry out a complicated cleaning process.

The disposable dip sampler were developed especially for this purpose. They are made of PE, transparent and the contents are easily visible. PE provides a surface that resists adhesion of the sample material, minimising sample retention on the dip sampler.

Use

1. Insert the dip sampler into the liquid and fill it.
2. Close the thumbhole above the handle using your thumb.
3. Take out the dip sampler and empty the liquid into the sample bottle.

Disposable plunging siphon

Volume ml	Immer- sion depth cm	Total length cm	Tube Ø mm	Price €	Quan- tity scale from	Scale price €	Item no.
75	35	50	27		12		5387-0050 N4
175	60	75	27		12		5387-0075 N4
275	85	100	27		12		5387-0100 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 stabilised with a steel core which is completely encapsulated in PTFE. The 60 cm long rod can be extended to 120 cm by adding another component. The scoop PTFE with 10 ml has a strong rod with a length of 155 mm.

PTFE Scoop

Capacity ml	Dia. mm	Height mm	Price €	Item no.
10	25	34		5389-0010 N2
100	55	65		5389-0100 N2
250	70	95		5389-0250 N2
500	80	125		5389-0500 N2
1000	105	155		5389-1000 N2

Accessories

Description	Price €	Item no.
Extension for PTFE scoop, 60 cm		5389-0001 N2

Chemistry scoop



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

- ▶ Rod length 100 cm, Ø 20 mm
- ▶ Without metal parts

Chemistry scoop

Capacity ml	Price €	Quantity scale from	Scale price €	Item no.	
250		10		5353-0250	N4
600		10		5353-0500	N4
1000		10		5353-1000	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-sterilised and can therefore be made completely germ-free.

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



Stainless steel scoop

Total length cm	Capacity ml	Price €	Item no.
115	1000		5354-1000 N4

TeleScoop | for industry and water treatment



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.

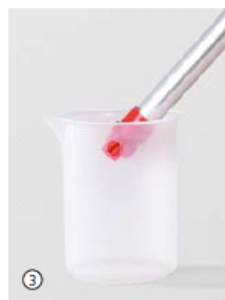
Ideal for sampling from baths, tanks, shafts, open water courses etc. Sampling depths down to 6 m can be reached with the adjustable telescopic aluminium rod.

► 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).

► 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).

► Stainless steel AISI 304 (1.4301)

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. Fits into every car boot!

- 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 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. Ideal for powder, granules, pastes, mud.

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



⑦ Surface catch net
 Catch net for taking solid and organic samples from water courses.

- ▶ PVC/PA blue
- ▶ L 310 x W 280 mm
- ▶ Mesh width 2–5 mm



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

- ▶ PP/PA blue
- ▶ L 190 x W 430 mm
- ▶ Net depth 250 mm
- ▶ Mesh width 2–5 mm



① Telescopic rod

Length infinitely variable from	No. of rods	Price €	Quantity scale from	Scale price €	Item no.
65-120 cm	2		10		5355-0120 N4
70-180 cm	4		10		5355-0180 N4
125-250 cm	2		10		5355-0250 N4
95-280 cm	4		10		5355-0280 N4
115-300 cm	3		10		5355-0300 N4
165-450 cm	3		10		5355-0450 N4
175-600 cm	4		10		5355-0600 N4

Model	Capacity ml	Price €	Quantity scale from	Scale price €	Item no.
② Scoop angular beaker	600		10		5354-0050 N4
② Scoop angular beaker	1000		10		5354-0100 N4
② Scoop angular beaker	2000		10		5354-0200 N4
③ Pendulum beaker PP	600		10		5354-5050 N4
③ Pendulum beaker PP	1000		10		5354-5100 N4
③ Pendulum beaker PP	2000		10		5354-5200 N4
④ Pendulum beaker AISI 304	1000		5		5354-3000 N4
⑤ Bottle holder	750		10		5354-4100 N4
⑥ Stainless steel beaker	1000		5		5354-2000 N4
⑦ Surface catch net			5		5354-5020 N4
⑧ Depth catch net			5		5354-5010 N4

Vampire Sampler | for sampling liquids in the field



Transportable, hose pump for liquids, independent of mains power. Ideal for sampling from barrels, tanks, wells, water separators and sewage and purification systems.

Vampire is packed in a handy transport case with: drive unit, two rechargeable batteries, battery charger, LED lamp, bottle holder, bottle LDPE 250 ml, hose pump and 5 m hose made of PE.

- ▶ Easy cleaning, liquid is only in contact with the hose
- ▶ Independent of mains power with rechargeable batteries and charger, incl. replacement battery
- ▶ Sampling directly into the original sample bottle
- ▶ Suction height up to 5 m
- ▶ Also suitable for contaminated substances or media containing particles
- ▶ Good chemical resistance
- ▶ Good delivery rate up to 2.0 l/min



Vampire Sampler

Price €	Quantity scale from	Scale price €	Item no.
	5		5327-1000 N2
Accessories			
Description	Price €	Item no.	
Suction hose Marprene, 1 m		5327-0508	N2
Sampling bottle LDPE 500 ml		0318-0500	N3
Suction hose PE on roll 6 x 8 mm, roll with 10 m		8805-0608	N3
Suction hose PE on roll 6 x 8 mm, roll with 100 m		8878-0608	N3
Basket for sample bottles 250 ml, Ø 68 mm		5302-2025	N2
Basket for sample bottles 500 ml, Ø 84 mm		5302-2051	N2
Basket for sample bottles 1000 ml, Ø 100 mm		5302-2101	N2

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), the hose can reach narrow, seemingly inaccessible sampling areas.

Two models:

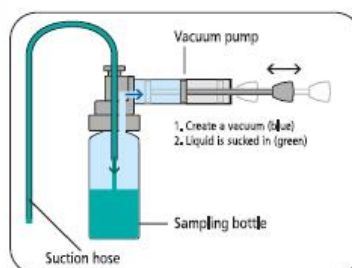
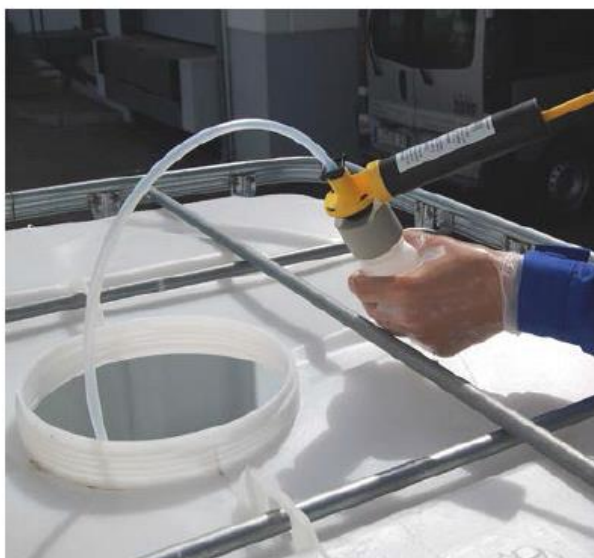
PE MiniSampler for general sampling, max. suction height 5 m*
 PTFE MiniSampler for ultra-pure sampling, max. suction height 5 m*
 * depending on the medium

- ▶ 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. Vapours 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, 10 m PE suction hose 6 x 8 mm, 1 hose cutter, 1 stainless steel hose weight made of AISI 304 (1.4301)/brass nickel-plated, 20 seal-it bottle seals.

MiniSampler PE			
Price €	Quantity scale from	Scale price €	Item no.
	5		5305-0100 N4
Accessories			
Description	Price €	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 6205-0090, 6205-0180		5305-1020	N2
Hose cutter	0006-9506	N3	
Sampling bottle HDPE, 100 ml	0340-0100	N3	
Sampling bottle HDPE, 250 ml	0340-0250	N3	
Suction hose PE on roll 6 x 8 mm, roll with 10 m	8805-0608	N3	
Suction hose PE on roll 6 x 8 mm, roll with 100 m	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, 5 m PTFE suction hose 6 x 8 mm, 1 hose cutter, 1 stainless steel hose weight made of AISI 304 (1.4301)/brass nickel-plated, 20 seal-it bottle seals.

MiniSampler PTFE			
Price €	Quantity scale from	Scale price €	Item no.
	5		5305-0110 N4
Accessories			
Description	Price €	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 6205-0090, 6205-0180		5305-1020	N2
Hose cutter	0006-9506	N3	
Sample boxes PFA, 90 ml	6205-0090	N3	
Sample boxes PFA, 180 ml	6205-0180	N3	
Suction hose PTFE on roll 6x8 mm, roll with 5 m	8804-0608	N3	

ProfiSampler | vacuum-operated sample collector for robust industrial use



ProfiSampler Aluminium



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

Applications

Sampling liquids in barrels, tanks, lorries, railway goods wagons, 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), 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, suction pressure 0.5 bar
- ▶ Suction height from liquid surface 5 m WS
- ▶ Sample bottles available in different materials and sizes

ProfiSampler | vacuum-operated sample collector for robust industrial use

① ProfiSampler Aluminium

ProfiSampler aluminium for solvents and flammable liquids in Explosion Categories IIA, IIB and IIC. With bottle thread GL 45 (suitable for Schott glass bottles 100 ml to 1000 ml).

When taking samples of flammable liquids, the device must be earthed. For this, earthing cable and, possibly in addition, anti-static set should be used, see accessories.

ProfiSampler aluminium, consisting of: Vacuum pump made of aluminium, with feet, venting valve and bottle thread GL 45 with glass bottle 500 ml, 5 suction tubes PA black, 220 cm long, electrically conductive, hose cutter, brass hose weight, 20 seal-it bottle seals, earthing 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, 10 m 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** (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. 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 long.

① ProfiSampler Aluminium			
Price €	Quantity scale from	Scale price €	Item no.
	5		5305-1100 N4
Accessories			
Description	Price €	Item no.	
Glass sampling bottle 100 ml, GL 45		5314-0010	N3
Glass sampling bottle 250 ml, GL 45		5314-0025	N3
Glass sampling bottle 500 ml, GL 45		5314-0050	N3
Glass sampling bottle 1000 ml, GL 45		5314-0100	N3
③ Straight suction tube, PE transparent, 200 cm, 10 pieces		5305-1022	N4
③ Straight suction tube, PA black, electrical conductive, 220 cm, 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, roll with 10 m		8805-0608	N3
Suction hose PE on roll 6 x 8 mm, roll with 100 m		8878-0608	N3
Suction hose PTFE on roll 6x8 mm, roll with 5 m		8804-0608	N3
② Profi Sampler PP			
Price €		Item no.	
		5305-1000	N4
Accessories			
Description	Price €	Item no.	
③ Straight suction tube, PE transparent, 200 cm, 10 pieces		5305-1022	N4
③ Straight suction tube, PA black, electrical conductive, 220 cm, 10 pieces		5305-1024	N4
④ Transport case for straight suction tubes		5305-1029	N4
Sampling bottle PP, 250 ml		0319-0250	N3
Suction hose PE on roll 6 x 8 mm, roll with 10 m		8805-0608	N3
Suction hose PE on roll 6 x 8 mm, roll with 100 m		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 long
- ▶ Complete in a handy transport case incl. sample bottle PP 1000 ml, 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, 32 mm, 39 mm and 50 mm nominal dimension, for sample bottles 100–1000 ml

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			
Price €	Quantity scale from	Scale price €	Item no.
	5		5314-2000 N4
Accessories			
Description	Price €	Item no.	
Suction hose for replacement PVC, 2,5 m		5314-2002	N4
Sampling bottle PP, 100 ml		0319-0100	N3
Sampling bottle PP, 250 ml		0319-0250	N3
Sampling bottle PP, 500 ml		0319-0500	N3
Sampling bottle PP, 1000 ml		0319-1000	N3

UniSampler "Ex"



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

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

Use

1. Earth 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"			
Price €	Quantity scale from	Scale price €	Item no.
	5		5314-3000 N4
Accessories			
Description	Price €	Item no.	
Glass sampling bottle 1000 ml, GL 45		5314-0100	N3

UniSampler with suction lance



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 hand-pump and collect the sample.
5. Remove the filled sample bottle, close and label it.

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. The total length of the telescopic suction tube is 100 cm.

- Suction tube PP, suction hose PVC
- Incl. 5 sample bottles each PP 250 ml and 500 ml, vacuum pump, universal adapter for sample bottles, 20 seal-it bottle seals
- Universal bottle adapter made of PVC, for bottle necks Ø 24 mm, 32 mm, 39 mm and 50 mm nominal dimension, for sample bottles 100–1000 ml

UniSampler with suction lance

Price €	Quantity scale from	Scale price €	Item no.
	5		5314-1000 N4
Accessories			
Description	Price €	Item no.	
Sampling bottle PP, 100 ml		0319-0100	N3
Sampling bottle PP, 250 ml		0319-0250	N3
Sampling bottle PP, 500 ml		0319-0500	N3
Sampling bottle PP, 1000 ml		0319-1000	N3

Bürkle - Behind the scenes



There are many ways for ordering at Bürkle - but all roads lead to the Sales department.



www.buerkle.de
 You can reach us around the clock!

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As soon as you have ordered a product, Production, and Materials Management take over personally.



By the way: If your product is in stock and you order before 1.00 p.m., the package leaves our store the same day.



Are you in a hurry? We also offer express deliveries.

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 oxidise.

Dipping vessels can be used for point sampling, all-layer samples and soil samples. 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 (3.3 kg) for fast lowering
- ▶ Bottle made of transparent glass 1000 ml contents
- ▶ Height with handles 330 mm
- ▶ Please order the appropriate lowering cable at the same time (page 114)
- ▶ Tested for use in the Ex protection zone 0

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 closure, remove the bottle.



Dipping bottle

Capacity ml	Dia. mm	Price €	Item no.
1000	148		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 (3.2 kg) for fast lowering
- ▶ 1000 ml contents
- ▶ Height with handles 443 mm
- ▶ Please order the appropriate lowering cable at the same time (page 114)
- ▶ Tested for use in the Ex protection zone 0



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.



Dipping bottle Ex			
Capacity ml	Dia. mm	Price €	Item no.
1000	89		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 (4.1 kg) for fast lowering
- ▶ Robust handle
- ▶ 1000 ml contents
- ▶ Height with handles 438 mm
- ▶ Please order the appropriate lowering cable at the same time (page 114)
- ▶ Tested for use in the Ex protection zone 0

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.

Soil sample

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.



Immersion cylinder			
Capacity ml	Dia. mm	Price €	Item no.
1000	75		5365-7000 N4

Dipping vessel

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

- ▶ With Easy-Flow, the flow optimised flow valve
- ▶ High weight (2.1 kg) for faster lowering
- ▶ Contents 1000 ml
- ▶ Height with handles 427 mm
- ▶ Made of non-spark producing brass or stainless steel AISI 304 (1.4301) for Ex area
- ▶ Please order the appropriate lowering cable at the same time (page 114)
- ▶ Tested for use in the Ex protection zone 0
- ▶ Explosion Categories IIA, IIB and IIC



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	Price €	Item no.	
brass	82		5365-1000	N4
stainless steel AISI 304	82		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.

- ▶ 50 ml contents
- ▶ Height 180 mm
- ▶ Weight 350 g
- ▶ Stainless steel AISI 304 (1.4301)
- ▶ Screw-off top enables easy cleaning
- ▶ Please order the appropriate lowering cable at the same time (page 114)
- ▶ Tested for use in the Ex protection zone 0
- ▶ Explosion Categories IIA and IIB



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	Dia. mm	Height mm	Price €	Item no.
50	32	180		5365-5000 N4

Target immersion cylinder



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

- ▶ Weight 2.5 kg
- ▶ Incl. venting lowering cable (5 m), 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	Dia. mm	Height mm	Price €	Item no.
500	75	210		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.

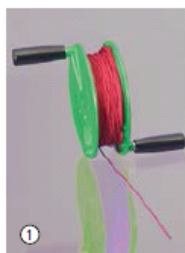
- ▶ FEP/PTFE ultra pure, anti adhesive surface
- ▶ Without cable

Available as accessory (page 114):

- ▶ Robust manually-operated drum reel PP
- ▶ Lowering cable, V2A-woven, PTFE coated

AquaSampler					
Capacity ml	Total length cm	Outer dia. mm	Price €	Quantity scale from	Scale price €
350	40	46		5	
700	76	46		5	
1050	107	46		5	

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 an earthing cable. The dipping bottles must be made of non-sparking metal.



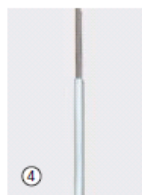
- High winding capacity of up to 150 m for cable 2 mm dia.
- Reel width: inner 44 mm, outer 55 mm, reel diameter: inner 100 mm, outer 180 mm

! Please order the required lowering cable separately.

Manually-operated reel

Model	Price €	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

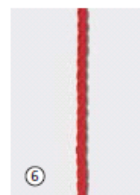
Lowering cables



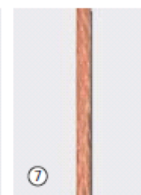
Stainless steel lowering cable, PTFE-coated



Lowering cable V2A



Lowering cable plastic



Copper cable 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.



Lowering/hoisting chain stainless steel



Snap-hook V4A



Brass shackle

Lowering cables

Model	Length m	Dia. mm	Price €	Item no.
④ Stainless steel lowering cable, PTFE-coated	10	2		5309-0110 N4
④ Stainless steel lowering cable, PTFE-coated	25	2		5309-0125 N4
④ Stainless steel lowering cable, PTFE-coated	50	2		5309-0150 N4
⑤ Stainless steel lowering cable	10	1.25		5309-0301 N4
⑤ Stainless steel lowering cable	25	1.25		5309-0302 N4
⑤ Stainless steel lowering cable	50	1.25		5309-0305 N4
⑥ Lowering cable made of PP cord	10	2		5309-0201 N4
⑥ Lowering cable made of PP cord	25	2		5309-0202 N4
⑥ Lowering cable made of PP cord	50	2		5309-0205 N4
⑦ Copper lowering cable EX with loops	10	4.5		5309-0410 N4
⑦ Copper lowering cable EX with loops	25	4.5		5309-0425 N4
⑦ Copper lowering cable EX with loops	50	4.5		5309-0450 N4
⑧ Stainless steel chains	10	2.3		5309-0510 N4
⑧ Stainless steel chains	25	2.3		5309-0525 N4
⑧ Stainless steel chains	50	2.3		5309-0550 N4
⑨ Snap hooks V4A		5		0006-5300 N4
⑩ Brass shackle		4.5		0006-5301 N4