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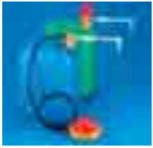
Break-resistant, transparent, leak-proof

214

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- autoclave
121°
- 120°C
-140°C
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-
- steril
- CE
- DIN
- TUV
- IP 54
- IP 44
- 3
-
- UN
- NEW
-
-

Pumps

for liquids and pastes

3

Fill off liquids – but do it safely

Safety is the number one priority

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

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

Safety during filling off 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.



OTAL filling pumps, p.8

The choice of the correct pump

Apart from the type and size of the container, the required pump capacity and the suitability of the pump for the particular medium are important for the choice of the correct pump. The pump must not only be resistant to the medium to be filled, but in many cases particular occupational safety and environmental protection regulations must also be taken into consideration.



AkkuPump, p.18

Pump capacity

Electric pumps are the first choice for filling off large amounts 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 erection work or in working material stores.

Manual pumps are an interesting alternative to electric pumps for filling off small amounts because they do not need a power supply and have a good price-performance ratio. Bürkle offers a wide range of filling devices for manually removing liquids from containers, canisters, drums and tanks.

Type and size of container

Pumps that work according to the excess pressure principle are suitable for filling off the required amounts from canisters and small drums up to a capacity of approx. 60 liters. Air is pumped into the container by a pumping ball or pumping piston. This creates excess pressure in the container and the liquid is transported out via the immersion tube.



OTAL Hand pump, p.12

Barrel pumps are suitable for larger barrels and open containers, these 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.



Barrel pump PP, p.20

Container connections

In contrast to metal drums, which usually have an R2" 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.



1. The pump can be screwed onto the existing container thread using a barrel screw joint, possibly in combination with an adapter.

2. 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 V2A (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 – see page 238.



Siphon, p.17

Filling aids

Plastic siphons are a low-priced alternative to mechanical pumps. Siphons are easy-to-use devices for safely filling off liquids from a higher container into a lower one. However, their use with aggressive or flammable liquids cannot be recommended. The pump bellows could be attacked by acids and become brittle.

Acids and alkalis

Acids, alkalis and detergents can be handled by plastic pumps made from PP or PVDF without any risks. Bürkle offers many plastic pumps with both rigid discharge pipes and also with discharge tubing and shut-off valve for filling distant or higher standing containers. When handling corrosive or aggressive liquids the user should take appropriate precautions. Protective clothing such as gloves, goggles, aprons and face masks is essential.



Protective clothing, from p.50



Flammable liquids

Filling off flammable liquids requires special precautionary measures. It is essential that filling devices for flammable liquids are made of conductive materials. It is essential that any electrostatic charges formed are eliminated completely and without spark formation.

Stainless steel barrel pumps meet these requirements when the electrostatic charges are eliminated by using the Antistatic Set.



Stainless steel barrel pump, p.22



Antistatic Set, p.25

Gas-tight filling off

With volatile media, such as acetone or ammonia, hazardous vapors are formed in the container. Their evaporation into the surroundings and the risk to the user can be reduced by using a gas-tight barrel connector.



With particularly toxic, noxious and readily volatile media a closed filling system with a gas-shuttle pipe is essential. In this method the gases displaced from the container are returned directly into the original container. The health endangering gases remain in the system; the greatest possible degree of safety during filling off is guaranteed.



Gas-tight barrel pump, S.26

Foodstuffs

If foodstuffs are to be filled off then it must be ensured that the materials used are physiologically harmless. Materials such as stainless steel, polypropylene or PTFE, which also have a neutral taste and odor, can be recommended. The pump must also be easy to clean.

Overview of Pumps



Article	Page	Liquids	Pastes	Gases	Acids and caustic solutions	Acids and caustic solutions, weak	Mineral oils, Diesel etc.	Petrochemicals	Pharmaceuticals/cosmetics	Solvents	Flammable liquids	Foodstuffs	water	Dosing pumps	Gastight decanting	Storage containers	Bottles up to 2 liters	Canisters up to 20 liters	Laboratory barrels 10/25 liters	Containers up to 60 liters	Barrels up to 220 liters	Open containers/tanks	Conveying capacity l/min	
Manually operated pumps																								
Barrel pump in PP	20	x			x	x			x			x	x						x	x			12	
Barrel pump Ultrapure in PTFE	27	x			x	x		x	x	x	x	x	x						x	x			10	
Battery-Pump	28	x				x						x												
DosiFüll	47	x					x	x	x	x	x	x	x				x	x	x	x	x		0,005-1	stroke
DosiPast	48		x					x			x					x							0,005-0,5	stroke
Dosi-Pump	36	x			x						x	x	x				x	x					0,5-20	
Double-diaphragm pump	34	x			x	x		x				x					x	x					16	
Gas-tight Barrel pump in PP	26	x			x	x							x		x				x	x			12	
Hand-operated Lever pump	29	x				x	x		x			x									x	x	25	
Lever pump	28	x				x	x	x														x	15	
Mini pump in PP, OTAL	13	x			x	x		x	x			x	x				x						4	
OTAL Liquid transfer pumps	8	x			x		x	x	x			x	x			x	x	x	x				Apr 26	
Piston pump	28	x				x	x	x				x									x		15	
Pump-it® Container pump	15	x			x	x		x	x	x		x	x				x	x	x				8	
PumpMaster Container and Barrel pump	16	x						x	x	x		x					x	x	x				8	
Rotary piston pump	29	x				x	x		x	x		x							x	x	x		30-40	
Siphon	17	x				x		x				x	x					x	x	x				
Solvent pump foot operated	14	x				x	x	x	x	x	x	x	x						x	x	x		20	
Solvent pump hand operated	14	x				x	x	x	x	x	x	x	x		x				x				9	
Stainless steel Barrel pump	22	x				x	x	x	x	x	x	x	x		x			x	x	x	x		12	
Wall-mounted Dosing machine	49	x				x	x	x	x				x					x	x	x	x	x		
Electrical pumps																								
AkkuPump	18	x			x	x		x				x	x					x	x	x			18	
Drum pump for conc. acids and alkalis	30	x				x						x	x								x		80	
Drum pump for mineral oils	31	x					x	x				x									x		85	
Drum pump for slight acids and alkalis	30	x					x		x			x	x								x		85	
Electric Barrel pump Petro	32	x					x	x				x									x		40-55	
Laboratory pump mains operated	33	x				x	x		x			x	x						x	x			40-70	
Magnetic centrifugal pump	34	x				x	x					x											12/24	
Membrane vacuum pump	35	x																					16	
Accessories																								
Anti-statics set	25									x														
Barrel valve	41	x				x	x					x	x				x	x	x	x	x	x		
Stop-cocks and Ball valves	38	x																				x		



OTAL Liquid Transfer Pump

draw off liquids safely, rapidly and cleanly
for hand or foot operation, different models

The OTAL pump program has been on the market for 50 years. The pumps are known and appreciated for their easy handling in daily use.

Thanks to the simple stopper system OTAL pumps can be used for almost all common containers. 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 almost every liquid can be filled off using the tube models in PP, PVDF and stainless steel 304. The different tube diameters make individual adjustments to required transfer volumes possible.

All OTAL pumps have a stop switch, which enables simple predosing.

The OTAL foot pump has a further great advantage, particularly when filling corrosive liquids. It is designed so that both hands are free during the pumping process.

- Optionally as foot or hand pump available
- Universal bungs for container openings from 30 – 70 mm diameter
- Tubes made of PP, PVDF and stainless steel 304 for different liquids



The stopper must fit!

Filling with the time-proven OTAL pumps is particularly easy as the liquid is forced out of the container by the excess air pressure. The liquid flow is uniform without any pulsation. However, it is important that the connection between the pump and the container is airtight.



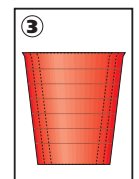
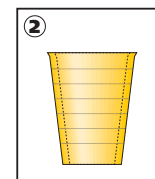
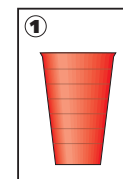
Section through a universal stopper

This is ensured by the universal bung made of flexible PVC, which consists of three 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 from 30 to 70 mm dia.

Bürkle OTAL handpumps and footpumps are recommended by trade associations for the safe drawing off of liquids.



Please observe the instructions for use and the safety information. Wear protective clothing. See page 50 to 52.



**OTAL foot pumps**

- Safe handling, both hands free
- Very good transfer volume thanks to the large-volume foot bellows
- With universal bung for container openings of 30–70 mm diameter or with special stoppers

**OTAL foot pumps
with delivery tubes made of PP**

Resistant against weak acids, caustic solutions, solvents and detergents.

Foot pumps with delivery tubes made of PVDF

Especially for acids and caustic solutions; not for strongly oxidizing acids and caustic solutions
Resistant against chemical bleaching agents.

**Foot pumps with delivery tubes made of
AISI 304 stainless steel**

For solvents and liquids of VbF Hazard Class AIII
(not easily flammable).

OTAL Foot pump

the convenient pumps with high performance
sturdy, for industrial use



Foot pump made of PP

Delivery tube made of PP and with universal stopper made of soft PVC. When the pump is inserted into the container the telescopic immersion tube adapts itself to the container height. This ensures good removal of residual liquid and means that the pump can be used with different containers.

- Three sizes available
- Fits containers with openings 30 – 70 mm dia.

2 Foot pump with hose and stopcock

Delivery tube made of PP, universal stopper made of soft PVC and 1.5 m delivery tubing 10 mm dia. made of PVC with PP/PE stopcock.

3 Foot pump made of PVDF

With universal stopper made of soft PVC and delivery tube made of PVDF. With its special material properties PVDF has an even better chemical resistance than PP.

4 Foot pump made of stainless steel

With universal stopper made of soft PVC and stoppers made of PE (48 – 56 mm dia., 54 – 62 mm dia. and 60 – 68 mm dia.)

This pump is suitable for use with VbF Hazard Class AIII flammable liquids. For corrosive media use the PP version.



Make sure to pay attention to the
"List of Chemical Resistance"! – <http://www.buerkle.de>

1 Foot pumps with delivery tubes made of PP



Pump capacity l/min	Tube dia. mm	Length of immersion tube cm	Price/Unit	Price/Unit of (X) units	Article No.
30	22	90	84,00	(10) 74,00	5000-22 N4
26	18	70	76,00	(10) 69,00	5000-18 N4
20	15	70	74,00	(10) 67,00	5000-15 N4



delivery tube made of	Pump capacity l/min	Tube dia. mm	Length of immersion tube cm	Price/Unit	Price/Unit of (X) units	Article No.
2 PVC	12	10	70	76,00	(10) 69,00	5003-12 N4
3 PVDF	20	16	70	114,00	(10) 105,00	5001-16 N4
4 V2A	26	18	90	114,00	(10) 105,00	5002-18 N4

OTAL Hand pumps

- Especially compact, space-saving pumps
- Good discharge rate
- With universal bungs for container openings of 30 – 70 mm diameter or with special stoppers (see table)

OTAL Hand pumps with delivery tubes

made of PP, resistant against weak acids, caustic solutions, solvents and detergents; not resistant against chemical bleaching agents.

Hand pumps with delivery tubes made of PVDF, especially for acids and caustic solutions; not for strongly oxidizing acids and caustic solutions

Hand pumps with delivery tubes made of stainless steel 304, for solvents and liquids of VbF Hazard Class AIII (not easily flammable).



OTAL Hand pump

To fit most commercial storage drums



1 Hand pump made of PP

Delivery tube made of PP and with universal stopper made of soft PVC. When the pump is inserted into the container the telescopic immersion tube adapts itself to the container height. This ensures good removal of residual liquid and means that the pump can be used with different containers.

- Three sizes available
- All OTAL Hand pumps (except Mini pump) fit containers with openings 30 – 70 mm diameter

2 Hand pump made of PVDF

With universal stopper made of soft PVC and delivery tube made of PVDF. With its special material properties PVDF has an even better chemical resistance than PP. Resistant to chlorine bleaches.

3 Hand pump made of stainless steel

With universal stopper made of soft PVC and stoppers made of LDPE (48 – 56 mm dia., 54 – 62 mm dia. and 60 – 68 mm Ø dia.) This pump is suitable for use with flammable liquids of VbF Hazard Class A III .

4 Hand pump with hose and stopcock

With 1.5 m delivery tubing made of PVC with PP/PE stopcock, delivery tube made of PP and universal stopper made of soft PVC. The delivery tubing is particularly suitable for filling off from distant containers.

5 Mini pump made of PP

With delivery tube made of PP and universal stopper made of PVC for container openings 20 - 36 mm dia. Ideal for containers up to 10 liters.

1 Hand pumps with delivery tubes made of PP						
Pump capacity l/min	Tube dia. mm	Length of immersion tube cm	Price/Unit	Price/Unit of (X) units	Article No.	
26	18	70	64,00	(10) 58,00	5005-18	N4
20	15	70	63,00	(10) 58,00	5005-15	N4
14	12	70	60,00	(10) 53,00	5005-12	N4

Hand pumps with delivery tubes made of PVDF, stainless steel, hose and stopcock, and mini pump						
delivery tube made of	Pump capacity l/min	Tube dia. mm	Length of immersion tube cm	Price/Unit	Price/Unit of (X) units	Article No.
2 PVDF	20	16	70	108,00	(10) 99,00	5006-16 N4
3 V2A	26	18	90	108,00	(10) 99,00	5007-18 N4
4 PVC	12	10	70	63,00	(10) 56,00	5008-12 N4
5 PP	4	10	45	42,90	(10) 38,70	5010-10 N4

Solvent Pump foot operated

Solvent Pump hand operated



Foot pump for solvents

The ideal solution for filling off high-purity liquids. All parts coming into contact with the media are made from stainless steel and PTFE. The barrel screw joint and stopcock provide a hermetic seal between the container and the pump so that unwanted vapors cannot escape during the filling process. Massive, long-life industrial version.

- Rigid discharge tube with stainless steel/Teflon® stopcock
- Stepless adjustment of immersion tube length to suit barrel depth
- For barrels up to 220 liters
- Suitable for steel drums with R 2" thread
- Adapters for commercially available barrels as accessories

Hand pump for solvents

For contamination-free withdrawal of organic solvents and flavouring agents. Fits all commercial laboratory 10 l and 25 l stainless steel drums with 2" connecting piece.

The pump is gastight and can be shut completely with two ball valves. Parts coming in contact with medium made of stainless steel and PTFE.

Immersion tube for other container sizes on request!



When withdrawing flammable liquids, the barrel and pump must be grounded! (Use Anti-static set! See page 25)

Foot Pump for solvents

Submersible length mm	screw joint	Pump capacity approx l/min	Price/unit	Price/unit of (X) units	Article No.	5 years
max. 95 cm	R 2"	30	335,00	(5) 318,00	5603-3	N4

PP barrel screw joint (see also page 24)

fits to

Thread adapter DIN 71	11,20	(5)	10,70	5201-220	N4
Thread adapter DIN 61/31a.	7,00	(5)	6,70	5613-12	N4

Hand pump for solvents

Submersible length mm	screw joint	Pump capacity approx l/min	Price/unit	Article No.
max. 60 cm	R 2"	10	306,00	5603-01 N4



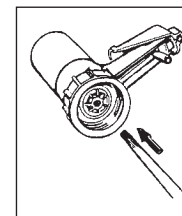
Anti-static set	37,60	5602-1	N4
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Pump-it® Container pump

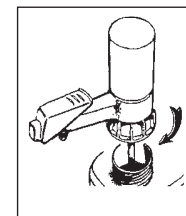
robust, easy to handle



Adapter for different internal threads



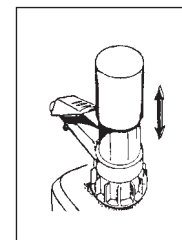
Firmly attach delivery tube to Pump-it®



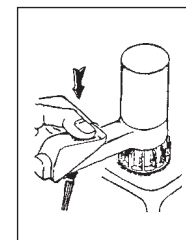
Screw Pump-it® on to container



Adapter for different external threads



Pump air into container



Open drain valve and draw off liquid

Pump-it canister pumps are designed for emptying canisters and small barrels up to 60 l rapidly and cleanly. The hand pump is used to create an overpressure that forces the liquid out of the canister.

Pump-it is suitable for weak acids, bases and petrochemicals. Please take into account the detailed information about chemical resistance given under <http://www.buerkle.de>.

- Medium-contacting parts made from PP, PE and Viton®
- For liquids with a viscosity of up to 500 mPas at 20°C
- Pump thread fits container thread 64 mm dia. (BSI)
- Thread adapters for all standard barrel threads are available
- Exact dosage, no drips
- Container completely emptied thanks to stepless length adjustment of immersion tube



Pump-it® Container pump (without thread adapter)

Material description	Immersion depth cm	Pump capacity l/min	Price/Unit	Price/Unit of (X) units	Article No.
PP/Viton	100	8	90,00	(10) 81,00	5201-1 N4

C Adapter set
containing 5201-10, -11, -12, -13 and -18 see table on the right side

41,50 (10) 37,40 5201-30 N4

C Adapter for internal thread

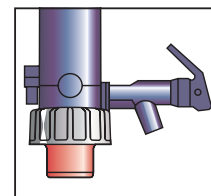
Internal thread	Colour code	Price/Unit	Price/Unit of (X) units	Article No.
① 2" thread, Mauser L-ring	green	9,40	(10) 8,60	5201-12 N4
② 2" thread Tri-Sure®	brown	9,40	(10) 8,60	5201-10 N4
③ 2" fine thread steel drum	blue	9,40	(10) 8,60	5201-11 N4

C Adapter for external thread

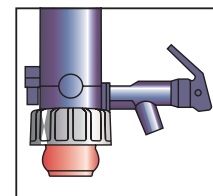
④ DIN 60, Mauser-Fasset	black	13,70	(10) 12,50	5201-13 N4
⑤ DIN 51	black	15,70	(10) 14,10	5201-18 N4
⑥ DIN 61	yellow/blue	15,70	(10) 14,10	5201-21 N4
⑦ DIN 71	brown/blue	15,70	(10) 14,10	5201-22 N4

PumpMaster Container and Barrel pump

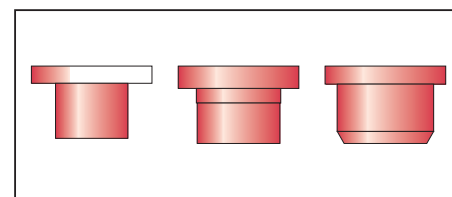
flexible, for universal use



Stopper released




Stopper expanded



Three Stopper sizes

PumpMaster container pumps are designed for fast and clean emptying of canisters and small barrels. Excess pressure is generated using the piston handpump, which pushes the liquid out of the container. Pump capacity approx. 9 l/min. The sensitive discharge control valve allows even small amounts of liquid to be discharged.

- Immersion tube length 950 mm

 Make sure to pay attention to the "List of Chemical Resistance"! - <http://www.buerkle.de>

PumpMaster 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 from 49.5 mm to 60 mm diameter. The immersion tube has a length of 95 cm; depending on the size of the container it can be shortened if necessary.

- Type **red** for non-aggressive liquids
- Type **blue** for petrochemical liquids



PumpMaster container and barrel pump, complete with 3 stoppers

Seal	Colour code	Delivery rate l/min	Price/Unit	Price/Unit of (X) units	Article No.
PP/EPDM	red	9	102,00	(10) 91,00	5202-2 N4
PP/Nitrile rubber	blue	9	102,00	(10) 91,00	5202-3 N4

Chemical resistance

Do you already know about our list containing the chemical resistance of plastics? This list contains information about the resistance of plastics, stainless steel and aluminum to more than 1600 media. It also contains information about viscosities, chemical formulas and CAS numbers.

You can find it in the Infothek on our website: <http://www.buerkle.de>


Siphon

for occasional drawing off of liquids



Siphon

- Good view of medium through transparent hoses
- With stopcock
- Inexpensive emptying devices

 Siphon not for filling strong acids and caustic solutions. Use PP barrel pumps for this. Wear protective clothing, see page 50 to 52.

Siphon

Easy-to-use devices for the rapid transfer of liquids from a higher container to a lower one. Functions according to the siphoning principle – liquids need only to be primed once.

Type "Jumbo"

Made of PE with delivery rate of 9 l/min. With robust PP ball valve.

Type "Mini"

Made of PE/PVC with delivery rate of 5 l/min. Good price-performance ratio.



Siphon

Model	Material	Immers. depth	Tube dia. mm	Pump capacity l/min	Price/Unit	Price/Unit of (X) units	Article No.
① Jumbo	LDPE	100 cm	15	ca. 9	36,00	(10) 32,70	5605-15 N4
② Mini	PVC	100 cm	10	ca. 5	18,10	(10) 16,30	5605-10 N4



Why don't you join in?

Just photograph Bürkle products in practical use. See front jacket flap

AkkuPump

Drive motor can be quickly removed from pump mechanism for use with other pump mechanisms

For viscous media up to 200 mPas

Pump capacity 1 to 10 l/min

The "lightweight" weighs only 990 grams

Stepless pump capacity adjustment

With rigid PP discharge tube or flexible soft PVC discharge hose

Battery capacity sufficient for one 200 liter drum

Thread adapters for secure attachment to all standard containers

Pump mechanism made from polypropylene and stainless steel (Hastelloy C)

Immersion tube length 50 cm, 70 cm or 100 cm, diameter 25 mm



Ergonomic handling



Stepless adjustment



Removable drive motor



Battery charger



Flexible discharge hose



Rigid discharge tube

AkkuPump

the battery-powered universal pump for simple, safe and accurate filling



AkkuPump

The AkkuPump universal pump is designed for applications in which small amounts of liquid are to be filled off. Safe, easy, rapid and accurate dosage – even in small containers with narrow openings.

The AkkuPump is quiet-running and the thumbwheel can be used to set the pump capacity steplessly from a few drops up to 10 liters per minute.

The AkkuPump comes with either a rigid discharge tube or flexible discharge hose. It's your choice. Three pump mechanisms guarantee that the contents of barrels up to a capacity of 220 liters can be withdrawn.

The drive motor can be quickly removed from the pump mechanism for use with other stationary pump mechanisms, and the battery can be placed in the battery charger (wall mounted) at any time.

The AkkuPump is made from made of polypropylene and stainless steel (Hastelloy C); both are outstanding materials with very good chemical resistance. This means that the AkkuPump can be used with a wide range of liquids, even aggressive ones, without any problems. Not suitable, however, for highly flammable liquids.

Technical data

- Pump mechanism made from polypropylene and stainless steel (Hastelloy C) – Polypropylene discharge tube
- Soft, transparent PVC discharge hose (1.2 m long)
- Connection 3/4" thread
- 9.6 V battery and 12 V battery charger for 230 V mains supply
- Rechargeable nickel metal hydride battery without memory effect
- Pump capacity from 1 to 10 l/min
- Maximum delivery height 6.5 m
- For viscous media up to 200 mPas
- Immersion tube diameter 25 mm
- Weight 990 g

① AkkuPump, with rigid discharge tube and charger for 220 V



Immersion tube length mm	Price/Unit	Price/Unit of (X) units	Article No.
500	399,50		5731-1050 N4
700	410,00		5731-1070 N4
1000	419,00		5731-1100 N4

② AkkuPump, with flexible discharge hose and charger for 230 V

Immersion tube length mm	Price/Unit	Price/Unit of (X) units	Article No.
500	399,50		5731-2050 N4
700	410,00		5731-2070 N4
1000	419,00		5731-2100 N4

C Accessories

Motor w/ rechargeable battery + charger	260,00		5731-0010 N4
Discharge tube , length 20 cm	22,20		5731-0030 N4
Discharge hose with stopcock	22,20		5731-0035 N4
Pump mechanism only 500 mm	150,00		5731-0050 N4
Pump mechanism only 700 mm	160,00		5731-0070 N4
Pump mechanism only 1000 mm	170,00		5731-0100 N4
Safety stand (see page 25)	36,70		5618-100 N4
Universal barrel wrench (see page 24)	21,00		5690-90 N4

Barrel screw joints PP (see also page 21)

fitting for

R 2", steel barrel thread , internal	18,80	(5)	17,10	5600-13 N4
Container screw joint	25,50	(5)	24,50	5600-14 N4
PVC barrel plug , for openings 40-70 mm dia.	17,00	(5)	15,10	5600-15 N4
Mauser 2" , coarse thread, internal	22,70	(5)	20,50	5600-17 N4
Tri-Sure® , coarse thread, internal	22,70	(5)	20,50	5600-18 N4



Flowmeter accessories see page 33



PP Barrel pump

robust industrial quality



Polypropylene Barrels pumps allow the rapid and economical transfer of liquids from barrels, canisters, tanks. The good chemical resistance of PP allows acids, alkalis and aggressive detergents to be transferred. Please take into account the information about chemical resistance.

The low-mounted non-return valve ensures good removal of residual liquid.

Two versions of the barrel pump are available:

- 1 with rigid discharge tube
- 2 with flexible PVC discharge hose, length 1,25 m with stopcock

- Immersion tube 32 mm dia.
- Pump capacity up to approx. 12 l/min
- For barrels and tanks from 60 – 1000 liters
- The barrel screw joints allow the pumps to be safely attached to the container. The immersion depth can be steplessly adjusted. This ensures good removal of residual liquid.



Wear protective clothing – see page 50 to 52.

Barrel pump PTFE/Teflon® see page 27

① PP Barrel pump with rigid PP discharge tube						
Submersible length mm	total length mm	Pump capacity ml/stroke	Price/Unit	Price/Unit of (X) units	Article No.	
500	595	200	112,00	(5) 103,00	5600-0501	N4
650	740	230	112,00	(5) 103,00	5600-0651	N4
800	895	260	116,00	(5) 106,00	5600-0801	N4
1000	1090	300	122,00	(5) 109,00	5600-01001	N4
1250	1340	300	139,00	(5) 130,00	5600-01251	N4
1500	1590	300	146,00	(5) 141,00	5600-01501	N4
② PP Barrel pump with discharge hose 1,25 m and stop cock						
500	595	200	112,00	(5) 103,00	5600-0502	N4
650	740	230	112,00	(5) 103,00	5600-0652	N4
800	895	260	116,00	(5) 106,00	5600-0802	N4
1000	1090	300	122,00	(5) 109,00	5600-01002	N4
1250	1340	300	139,00	(5) 130,00	5600-01252	N4
1500	1590	300	146,00	(5) 141,00	5600-01502	N4

Article	Price/Unit	Price/Unit of (X) units	Article No.
PVC discharge hose 1,25 m with stopcock	10,30	(10) 9,90	5600-1001 N4
Wall fixture	15,20	(5) 13,80	5600-12 N4
Safety stand (see page 25)	36,70	(5) 33,10	5618-100 N4
Universal barrel spanner (see page 24)	21,00	(10) 18,80	5690-90 N4
Sealing set	7,40	(10) 7,00	5600-16 N4
PP Barrel screw joint (see also page 24)			
fits to			
③ R 2", internal steel-barrel thread	18,80	(5) 17,10	5600-13 N4
④ Container Screw Joint	25,50	(5) 24,50	5600-14 N4
⑤ PVC Barrel plug, for 40-70 mm opening-diameter	17,00	(5) 15,10	5600-15 N4
⑥ Mauer 2", internal coarse thread	22,70	(5) 20,50	5600-17 N4
⑦ Tri-Sure®, internal coarse thread	22,70	(5) 20,50	5600-18 N4

Stainless Steel Barrel Pump

the pump for flammable liquids



Stainless steel barrel pump

The Bürkle barrel pump made of stainless steel is the ideal solution for filling combustible and easily inflammable liquids. The pump can conduct electricity and consequently fulfills all requirements for handling solvents, alcohol, etc. in combination with the accessory antistatic set. The PTFE gaskets ensure long-term and maintenance-free use. Pumping capacity approx. 9 – 22 l/min, dependent on pump length.

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

Best Seller!

Stainless steel barrel pump with conductive discharge hose with stopcock and bolt connection.

Stainless Steel Barrel Pump

the reliable pump for flammable liquids



1 Barrel pump with discharge tube

- Removable discharge tube
- Immersion tube 32 mm diameter

2 Barrel pump with discharge hose and stainless steel stopcock

- Immersion tube 32 mm diameter
- Removable PTFE discharge hose, 1.2 m long
- Electrical conductive discharge tube
- Ball valve nozzle NW 8 made of stainless steel with 12.8 mm outlet



1 Barrel pump with discharge tube

Submersible length mm	Pump capacity ml/stroke	Total length mm	Price/Unit	Price/Unit € of (X) units	Article No.	Price/Unit	Price/Unit of (X) units	Article No.
360	220	475	157,00	(5) 141,00	5601-40 N4	261,00	(5) 250,00	5601-041 N4
570	350	685	157,00	(5) 141,00	5601-50 N4	261,00	(5) 250,00	5601-051 N4
910	560	1030	164,00	(5) 149,00	5601-80 N4	269,00	(5) 256,00	5601-081 N4

2 Barrel pump with discharge hose and stopcock



Not suitable for acetone!

Article Price/Unit	Price/Unit of (X) units	Article No.
3 Brass barrel screw joint, nickel plated For flammable liquids, R 2" Internal steel barrel thread	25,50 (5) 24,50	5601-12 N4
4 Gastight barrel connector (see page 24) R2" steel barrel thread, shut-off valve with 1/8" connection. Nickel plated, gaskets made of Viton	86,00 (5) 79,00	5601-13 N4
5 Anti-static set (see page 25)	37,60 (5) 33,90	5602-1 N4
Hose with stopcock	140,00 (5) 129,00	5601-10 N4
Discharge tube	50,00 (10) 45,10	5601-6 N4
PP barrel screw joint for non-flammable liquids See page 24 for description		
Mauser 2", Internal coarse thread	22,70 (5) 20,50	5600-17 N4
Tri-Sure®, Internal coarse thread	22,70 (5) 20,50	5600-18 N4
6 PVC barrel plug, 40-70 mm opening-dia.	17,00 (5) 15,10	5600-15 N4

Accessories for Barrel pumps

for all-round safety when drawing off liquids



Brass barrel screw joint for barrel pumps made of stainless steel. Prevents electrostatic charges in connection with the anti-static set. For safe decanting of flammable and hazardous liquids. For containers with internal R2" steel barrel thread.



PP barrel screw joint, for secure connection to barrels with choice of three different thread models. For decanting non-flammable liquids.



Container Screw Joint
For attaching the barrel pump to any spot in the container wall or even in wide-shoulder screw caps. The 2" screw joint is screwed tight with a 2" counter-nut from inside (mounting hole in container = 60 mm).



Gas-tight barrel connector
R2" internal steel barrel thread, non-return valve with 1/8" connection. Made of nickel-plated brass with Viton seals.



PVC barrel plug
This universal adapter makes decanting even easier and safer with its more secure connection to barrels. For 40 – 70 mm diameter openings.



Universal barrel spanner for easy opening of tight barrel closures sized 3/4" to 2". An indestructible tool made of galvanized sheet steel.

Suitable thread adapters

We can supply suitable thread adapters for most containers. You will find the adapters on Page 45 of this catalogue. We would be pleased to help you choose a suitable adapter. A measuring aid to help you determine the container thread size can be found on the rear inside fold.



Accessories for Barrel pumps

Article	Price/Unit	Price/Unit of (X) units	Article No.
1 Brass barrel screw joint R 2", internal steel barrel thread	25,50	(5) 24,50	5601-12 N4
2 PP barrel screw joint R 2", internal steel barrel thread	18,80	(5) 17,10	5600-13 N4
Mauser 2", internal coarse thread	22,70	(5) 20,50	5600-17 N4
Tri-Sure®, internal coarse thread	22,70	(5) 20,50	5600-18 N4
3 Barrel bolt connection For container openings = 59.5 mm	25,50	(5) 24,50	5600-14 N4
4 Gastight barrel connector R 2", internal steel barrel thread	86,00	(5) 79,00	5601-13 N4
5 PVC barrel plug for 40-70 mm opening-diameter	17,00	(5) 15,10	5600-15 N4
6 Universal barrel spanner for thread connectors from 3/4" to 2"	21,00	(10) 18,80	5690-90 N4
Anti-static set (see page 25) completely in a plastic case	37,60	(5) 33,90	5602-1 N4

Anti-static set

prevents electrostatic build-up



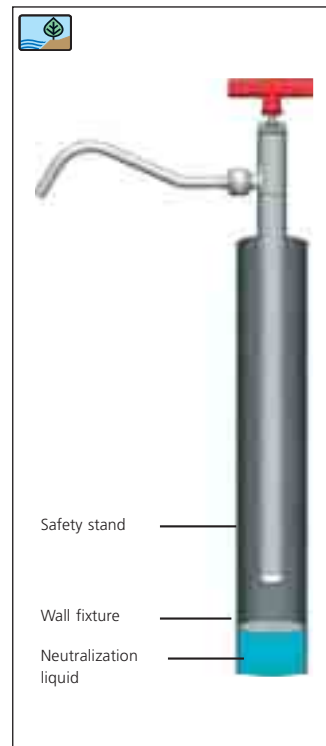
When decanting flammable liquids without the machines and containers involved in the process being sufficiently grounded, electrostatic build-up can occur, which for many substances can result in fire or an explosion.

Bürkle's **Anti-static set** ensures easy and dependable grounding.

The Anti-static set consists of 3 colour-coded connecting copper cables with clamps in a handy plastic case.

Safety Stand for Pumps

protection against leaking chemicals





Safety stand for pumps

protects against leaking chemicals

Filled to one third with the appropriate neutralization agent or water, any residual liquid from the pump is diluted, neutralized and rendered safe.

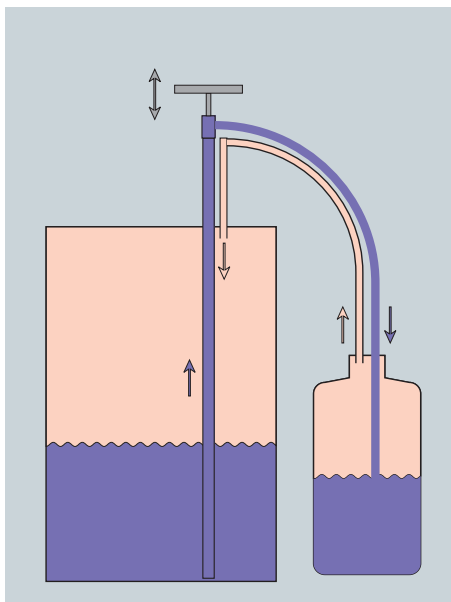
The safety stand is resistant against diluted acids and alkalis.

 					
Anti-static set					
	Price/Unit	Price/Unit of (X) units	Article No.		
Anti-static set	37,60	(5) 33,90	5602-1	N4	

Safety stand for pumps					
Immersion depth cm	Inner diameter mm	Price/Unit	Price/Unit of (X) units	Article No.	
100	55	36,70	(5) 33,10	5618-100	N4

Gas-tight Barrel pump

odour-free liquid transfer with gas-displacement device



Liquid is pumped in a closed system (blue). Vapors are returned to the container via the gas-shuttle pipe (pink).

Vapor-free filling

With normal pumps the escape of vapors into the atmosphere cannot be avoided.

The gas-shuttle method avoids this. Any vapors produced are returned from the container to be filled to the original container via the gas-shuttle pipe.

The gas pipe and the liquid pipe are additionally provided with stopcocks. Gastight pumps are used for strongly smelling substances such as ammonia.



Gas-tight barrel pumps made of PP

- Parts in contact with the liquid are made of PP and soft PVC (hose)
- Stepless extendable telescopic tube for barrel depths of 40 – 67 cm
- Pumping capacity approx. 200 ml per stroke
- Two adapters for original container

1 The universal adapter prevents leaking and fits container openings of 30 – 70 mm diameter.

2 The container screw joints can be screwed into the container using 3/4" thread and the lock nut.



Gas-tight barrel pumps made of PP

Type with:	Price/Unit	Article No.
1 Universal adapter 30 – 70 mm diameter	142,00	5610-30 N4
2 2 screw joint adapters 3/4" with lock nuts	142,00	5610-40 N4

PTFE Barrel pump Ultrapure

Viscosity of liquids



The ideal solution for transferring ultrapure liquids. Liquid-contacting parts made of PTFE and FEP, with their acknowledged high chemical resistance, mean that even liquids which attack conventional materials such as PP or PVC can now be safely transferred (except for elemental fluorine). The stopcock prevents hazardous vapors from escaping and stops dripping.

- Rigid discharge tube with stopcock made of PTFE/Teflon®
- Screw closures for standard barrels
- Immersion depth 95 cm
- All valves made of solid PTFE
- Top quality – 2-year warranty

PTFE Barrel pump Ultrapure

Immersion depth cm	Immersion tube dia. mm	Pumping capacity ml/stroke	Price/Unit	Price/Unit of (X) units	Article no.
95	32	300	258,00	(10) 248,00	5606-1 N4

Accessories

Wall fixture	15,20	(5)	13,80	5600-12	N4
Safety stands (see page 25)	36,70	(5)	33,10	5618-100	N4

PP barrel screw joint (see also pages 24)

fits to

① R 2", internal steel-barrel thread	18,80	(5)	17,10	5600-13	N4
② Mauser 2", internal coarse thread	22,70	(5)	20,50	5600-17	N4
④ Tri-Sure®, internal coarse thread	22,70	(5)	20,50	5600-18	N4

The right pump for each liquid

Pumps are used in widely different fields of application. Bürkle offers a large number of different versions. However, when choosing a suitable pump several criteria must be considered. The most important are the viscosity, structure and density of the liquid. How the liquid behaves under the influence of external influences, e.g. variations in temperature and pressure, is also important. We would be pleased to help you make certain that you choose the correct pump for your application.

Viscosity - what actually is viscosity?

The viscosity characterizes the flow behavior of a liquid. High-viscosity liquids are thick, low-viscosity liquids thin. This viscosity results from intermolecular forces; these are also known as the internal friction. This internal friction decreases as the temperature increases and increases as the temperature decreases.

The dynamic viscosity is given in Pas, for low-viscosity liquids in mPas. It is defined as the force in newtons that is necessary to displace a liquid layer of 1 m² and 1 m height along a boundary parallel to a second layer at a speed of 1 m·s⁻¹.



Viscosity using motor oil as an example

Everyone has heard of the viscosity terms for motor oil. This classification is based on the flow behavior of the motor oil as a function of the temperature. In Winter low-viscosity oils are required. In Summer the oil becomes hotter, but it must still remain sufficiently thick. For example: SAE 5W-40. The first number defines the viscosity at 0 °F (-18 °C), the second for a temperature of 210 °F (99 °C). An oil with the classification 5W (W=Winter) is therefore thinner than a 15W motor oil under cold conditions.

Typical viscosity values

in mPas at 20 °C

Kerosine	0.65	Olive oil	~ 10 ²
Water	1.0	Honey	~ 10 ⁴
Mercury	1.5	Syrup	~ 10 ⁵
Grape juice	2 - 5	Bitumen	~ 10 ¹¹
Blood (37 °C)	4 - 25	Glass	~ 10 ²³
Coffee cream	~ 10		

Lever pump

Piston pump

for aqueous and petrochemical products

Battery-Pump



Lever pump

with hand operated swivel lever and 360° rotatable immersion tube which enables bottles or graduated beakers to be placed on the barrel under the feeding tube.

- Pump capacity approx 350 ml per stroke
- Liquids with viscosities up to the equivalent of SAE 90 (=2200 mPas) oil can be pumped
- Can be installed in 2" internal thread
- suction tube maximum length 90 cm with stepless extension

Piston pump

The piston pump is made of polypropylene and polyethylene. It offers a good price/performance ratio. The piston pump is attached to the container with a 2" or 3/4" internal thread connection. After mounting on the drum it can still be rotated about its own axis so that containers can be placed on the drum lid and filled.

- Pump capacity 450 ml per stroke
- For containers with R2" and 3/4" inner thread
- Immersion tube length 840 mm

Battery-pump

Handpump for safe filling of car batteries with acid or distilled water.

- With hose reflux valve
- No overfilling of battery
- For 40 – 70 mm diameter openings

You can find suitable thread adapters on page 45

Not for corrosive agents.

Not for corrosive agents.

Wear protective clothing. See page 50 to 52.

Lever pump

Price/unit	Price/Unit of (X) units	Article No.
42,00	(10) 37,80	5613-1 N2

Piston pump

Price/unit	Price/Unit of (X) units	Article No.
37,70	(10) 33,90	5613-3 N2

Battery-pump

Type of operation	Price/Unit	Price/Unit of (X) units	Article No.
Hand operation	69,00	(10) 62,00	5009-1 N4
Foot operation	84,00	(10) 74,00	5009-2 N4



①
①
②

Drum pump for acids and alkalis

Drum pump for concentrated acids and alkalis



Drum pump set for acids

For weaker acids, such as hydrochloric acid, phosphoric acid, chromic acid, battery acid, citric acid, etc.

1 Drum pump

Motor 230 V, pump tube made of PP and stainless steel Hasteloy HC-4, hose connection PP 3/4"

2 Pumpset consisting of

Motor 230 V, pump tube made of PP and stainless steel Hasteloy HC-4, hose connection PP 3/4", 2,5 m PVC-fabric hose 3/4", PP nozzle, PP drum adapter.

- Delivery height 19 mWS, pump capacity 85 l/min

Type	Immersion tube dia. mm	Immersion depth mm	Price/Unit	Article No.
① Drum pump	41	1000	804,00	5762-10 N2
① Drum pump	41	1200	850,00	5762-11 N2
② Pump set	41	1000	975,00	5762-100 N2
② Pump set	41	1200	986,00	5762-101 N2

Drum pump set for concentrated acids and alkalis

For highly aggressive acids and alkalis, such as sulphuric acid, nitric acid, hydrofluoric acid, sodium hypochlorite etc.

1 Drum pump

Motor 230 V, pump hose made of PVDF and stainless steel Hasteloy C HC-4, hose connection PTFE 3/4"

2 Pumpset consisting of

Motor 230 V, pump tube made of PVDF and stainless steel Hasteloy HC-4, hose connection PP 3/4", 2.5 m special chemical hose 3/4", PVDF nozzle, PP drum adapter.

- Delivery height 17 mWS, pump capacity 80 l/min

Type	Immersion tube dia. mm	Immersion depth mm	Price/Unit	Article No.
① Drum pump	41	1000	1319,00	5762-20 N2
① Drum pump	41	1200	1365,00	5762-21 N2
② Pump set	41	1000	1835,00	5762-200 N2
② Pump set	41	1200	1927,00	5762-201 N2

Drum pump for mineral oils

Drum pump for solvents



Drum pump set for mineral oils

For light viscous mineral oil products, such as diesel, fuel oil, hydraulic fluid, machinery and motor oil, etc.

1 Drum pump


Motor 230 V, aluminium pump tube, aluminium hose connection 1"

2 Pump set consisting of

Motor 230 V, aluminium pump tube, aluminium hose connection 1", 2,5 m PVC-fabric hose 1", 2 x hose clips 1", aluminium nozzle, brass hose connection 1", PP drum adapter.

- Parts coming in contact with medium made of aluminium and 316Ti (1.4571), delivery height 19 mWS, pump capacity 85 l/min

Type	Immersion tube dia. mm	Immersion depth mm	Price/Unit	Article No.
① Drum pump	41	1000	758,00	5763-10 N2
② Pump set	41	1000	1136,00	5763-100 N2

 For suitable flow meters for all pumps shown on this double page please see Page 33

Drum pump set for solvents

For highly flammable hydrocarbons such as ethanol, benzene, butanol, isopropanol, kerosine, methanol, etc.

- Delivery height 14 m WC, pump capacity 95 l/min

1 Drum pump

Motor 230 V, pump mechanism made from stainless steel, potential compensation cable

2 Pump set

Motor 230 V, pump mechanism made from stainless steel, potential compensation cable, 2 x hose connections Ms 1", 2.5 m solvent hose 1", brass filling nozzle, PP drum adapter.

Type	Immersion tube dia. mm	Immersion depth mm	Price/Unit	Article No.
① Drum pump	41	1000	1658,00	5763-30 N2
② Pump set	41	1000	2103,00	5763-300 N2

Electric barrel pump Petro

for diesel oil, class D/II fuel oil



Petro 40

Electric barrel pump for pumping diesel oil, class D/II fuel oil and other flammable liquids of VbF Hazard Class AIII. The built-in siphon protection prevents leaks if the tube is faulty. Available with 3 types of power supply: 230, 12 or 24 V. Available with either standard filling nozzle or filling nozzle with automatic shut-off. Optionally with electronic volume readout with cumulative total; suitable for calibration (supplied uncalibrated).

Caution! Can't be used with anti-freeze!

- Max. capacity 40 l/min
- With manual suction pump
- VDE-tested, motor with thermal protection switch
- Drum threads M 64 x 4 and 2"
- Suction tube 1.60 m long with filter
- Perbunan delivery hose 4 m long, with anti-kink spring and standard filling nozzle.


Petro 40				
filling nozzle	volume readout	voltage	Price/unit	Article No.
Automatic	yes	230	558,00	5780-40AZV N2
Automatic	yes	12	558,00	5780-41AZV N2
Automatic	yes	24	558,00	5780-42AZV N2
Automatic	no	230	314,00	5780-40AZ N2
Automatic	no	12	314,00	5780-41AZ N2
Automatic	no	24	314,00	5780-42AZ N2
Standard	no	230	214,00	5780-40Z N2
Standard	no	12	214,00	5780-41Z N2
Standard	no	24	214,00	5780-42Z N2

Petro 50

Electric barrel pump with same performance features as Petro 40, except for higher capacity of max. 55 l/min. Complete with type-approved filling nozzle with automatic shut-off and tube swivel joint. Optionally with electronic volume readout with cumulative total; suitable for calibration (supplied uncalibrated).

Caution! Can't be used with anti-freeze!

- Max. capacity 55 l/min
- Self-priming
- VDE-tested, motor with thermal protection switch
- Drum threads M 64 x 4 and 2"
- Suction tube 1.60 m long with filter
- Perbunan delivery hose 4 m long, with anti-kink spring and standard filling nozzle.

Petro 50				
filling nozzle	volume readout	voltage	Price/unit	Article No.
Automatic	yes	230	627,00	5780-50AZV N2
Automatic	yes	12	627,00	5780-51AZV N2
Automatic	yes	24	627,00	5780-52AZV N2
Automatic	no	230	398,00	5780-50AZ N2
Automatic	no	12	398,00	5780-51AZ N2
Automatic	no	24	398,00	5780-52AZ N2
	Volume readout, single		247,00	5780-20 N2

Laboratory pump mains operated

Flow meter

easy to use



Laboratory pump mains operated

Low weight pumps with high delivery output for the transfer of small quantities of liquids with a viscosity up to 500 mPas from canisters, drums and narrow-necked vessels with a diameter from the mouth from 25 mm upwards.

- Splash water protected motor 230 V / 200 W (IP 44)
- Built-in safety key as on/off switch
- Seal-less pump mechanism for acids and alkalis
- Stainless steel version also suitable for pumping liquids at temperatures up to 100 °C
- Suitable flow meter available as accessory

Compact electronic flow meter for electric drum and container pumps. For low-viscosity media.

- Measurement by the turbine wheel principle
- Different versions for many different applications
- Automatic switch-on when flow is recognized
- Four resettable part-ranges and one fixed total range
- Measuring accuracy $\pm 1\%$, easy recalibration
- Long-life lithium battery

① Laboratory pump with hose connection



Material Description	Immersion depth mm	Pump tube dia. mm	Delivery head m wc	Quantity l/min	Price/ unit	Article no.	
PP	650	25	5	40	390,00	5700-1	N2
PP	1000	32	6,5	65	464,00	5700-3	N2
Niro	1000	28	7	70	675,00	5700-5	N2

② Laboratory pump with 1,5 m PVC-hose, PP nozzle, 2 hose clips, discharge spout, wall bracket

PP	650	25	5	40	495,00	5700-2	N2
PP	1000	32	6,5	65	569,00	5700-4	N2

Flow meter

Description	flow range l/min	connection	Price/ unit	Article No.
for fuel oil, diesel, hydrochloric acid, sodium hydroxide, etc. Medium-contacting parts: PP, Hastelloy C4, Viton®	10-40	G 3/4	422,00	5700-61 N2
for fuel oil, diesel, hydrochloric acid, sodium hydroxide, etc. Medium-contacting parts: PP, Hastelloy C4, Viton®	20-120	G 1 1/4	446,00	5700-62 N2
for solvents, flammable liquids. Complies with AtEx100. Medium-contacting parts: LCP and FEP	10-120	G 1 1/4	1433,00	5700-63 N2
for highly aggressive liquids, chlorine bleaches, nitric acid, sulfuric acid, etc. Medium-contacting parts: PVDF, Hastelloy C4, Viton®	20-120	G 1 1/4	636,00	5700-64 N2

Oil-free Double-diaphragm pump

Magnetic Centrifugal Pump



packless liquid transfer



Oil-free Double-diaphragm pump

Oil-free Double-diaphragm pumps operated by compressed air offer the ideal solution for transferring viscous, corrosive, abrasive and flammable liquids. Pump version 1/4" (larger pumps available on request)

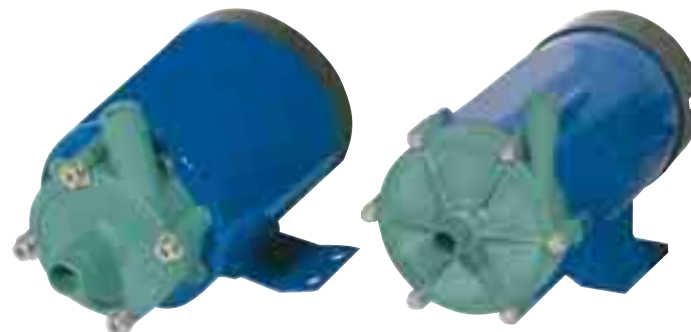
Pump versions made of polypropylene (PP), PVDF and PA are available.

Diaphragms, valves and valve seats made of Geolast, PTFE and Santoprene are available. Solids up to 1.6 mm dia. can be transported.

- Max. delivery rate 16 l/min
- Suction head (dry) 6 m
- Operating pressure: min. 1.4 bar, max. 6.8 bar
- Suction/pressure connections: 1/4" BSP IG

Oil-free Double-diaphragm pump

Description	Price/ Unit	Article no.
For water-based liquids, lubricants, mineral oil. PP housing, Geolast diaphragm.	329,00	5765-1 N2
For corrosive liquids, inorganic acids and alkalis, electroplating bath liquids. PP housing, PTFE diaphragm.	446,00	5765-2 N2
For water-based liquids, sodium hydroxide solution, milk of lime. PP housing, Santoprene diaphragm.	329,00	5765-3 N2
For strong acids and alkalis, increased temperatures. PVDF housing, PTFE diaphragm.	446,00	5765-4 N2



Magnetic centrifugal pump 15 W

Magnetic centrifugal pump 29 W

The new magnetic centrifugal pumps are suitable for transferring acids, alkalis, solvents, alkaline and electroplating baths, photography chemicals as well radio-active, sterile and highly corrosive liquids.

They are **packless**. The drive via contact-free magnetic force transfer requires no dynamic shaft seals and this makes a hermetically sealed pump housing possible, which means that it cannot leak.

By using efficient permanent magnets large transfer forces are guaranteed, even at higher temperatures.

The pumps are corrosion-resistant. The Rulon bearings are even suitable for hypochlorite solutions, bromine and chromium compounds.

- Pump capacity 65 l/min
- Delivery head up to 8 m
- Viscosity max. 20 mPas
- Pump complete with flanged-on AC motor

1. Magnetic centrifugal pump 15 W

Motor 230 V, material PP (fiber-glass reinforced), stainless steel, Rulon, Viton (seal), tubing nozzle 14 mm

2. Magnetic centrifugal pump 29 W

Motor 230 V, material PP (fiber-glass reinforced), stainless steel, Rulon, Viton (seal), ceramics (shaft), suction connection G 3/4" AG (BSP), pressure connection G 3/4" AG (BSP)

Magnetic centrifugal pump NEW

Performance	Price/ unit	Article No.
15 W	309,40	5766-1 N2
29 W	320,00	5766-2 N2

Prices in € – Phone + 49 (0) 7621 9331-16, Fax + 49 (0) 7621 9331-31

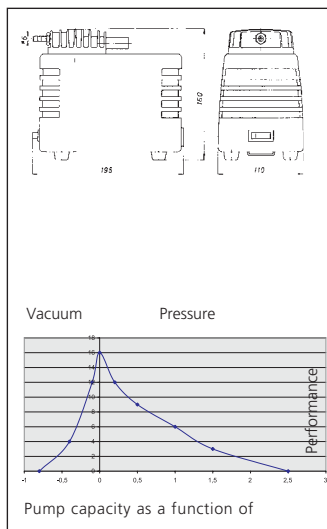
т/ф (495) 980-29-37, 311-22-09, 319-22-78, 781-21-58

Membrane Vacuum Pump/Compressor

for air, gases and vapors (100% oil-free air)



1-head dry-running membrane pump for versatile use in laboratories, industry and science wherever media have to be transferred unaltered, or compressed, or evacuated. Suitable for slightly aggressive or corrosive gases and vapors (check the chemical resistance of parts coming into contact with the medium). The Viton membrane transfers 100% oil-free, which guarantees that the medium is not contaminated.



- Compact construction
- Viton membrane
- Compressor head made of pressure cast zinc
- Can be mounted in any position
- Maintenance-free
- 230 V, 25 W, protection code IP21
- Pump capacity 16 l/min
- Ultimate vacuum 75 – 80%
- Max. working pressure 2.5 bar
- Hose nozzle for 5 – 7 mm i.d. hose
- Weight 3120 g
- Length 195, width 110, height 180 mm
- With carrying handle

"We have been using your vacuum pump for many years now for the indirect transfer of an aggressive and corrosive pharmaceutical preparation. It has proved to be very reliable and is ideally suitable for continuous operation. This indirect transfer under vacuum is a good solution for small series of products that must not come into contact with metals."

Günter Weber, Production Manager, Dettenhausen

Vacuum Pump/Compressor

Price/unit

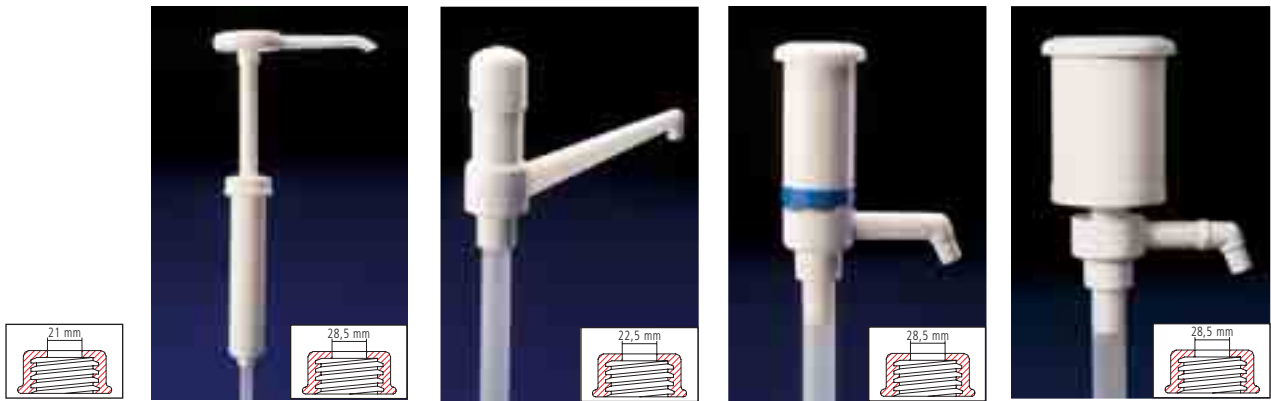
259,00

Article No.

5625-1 N2

Dosi-Pump, Handpumps

ecologically safe, re-usable



Dosi Pump 1
Standard-dosing approx.
4 ml/stroke.

Dosi Pump 2
Standard-dosing approx.
30 ml/stroke.

Dosi Pump 3
Standard-dosing approx.
30 ml/stroke.
The feeding tube is fixed.

Dosi Pump 4
Standard-dosing approx.
100 ml/stroke.

Dosi Pump 5
Standard-dosing approx.
250 ml/stroke.

High-precision dosing devices 0.5 to 50 ml see page 176

Dosage pumps for the controlled, environmentally protective and cost-conscious withdrawal of media from canisters, bottles, barrels and bulbs. Dosi-pump is inserted into your container closure.

- Parts in contact with the contents are PP, PE, stainless steel
- Suitable for liquid contents of various viscosities
- Custom fitting to your lid/cap available (minimum 100 pieces – please send us a sample)

		Bulk prices available						
Dosi-Pump, handpumps								
Type	drill hole at least	Stroke approx. ml	Immersion depth mm	Price/ Unit	Price/Unit of (X) units	Article No.		
Dosi-Pump 1	21	4	200	5,90	(100) 3,50	5607-1	N3	
Dosi-Pump 2	28,5	30	280	9,90	(100) 7,00	5607-2	N3	
Dosi-Pump 3	22,5	30	355	16,90	(100) 12,50	5607-3	N3	
Dosi-Pump 4	28,5	100	280	42,80	(100) 30,70	5607-4	N3	
Dosi-Pump 5	28,5	250	280	68,00	(100) 62,00	5607-5	N3	



Containers, Jerrycans, Storage vessels

Storage containers made of HDPE
available with capacities of 5, 10, 25
and 60 l with and without threaded
connection

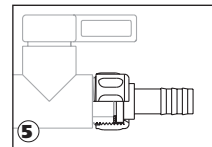
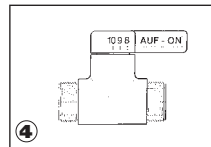
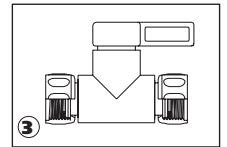
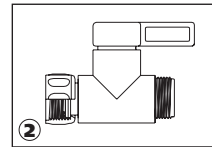
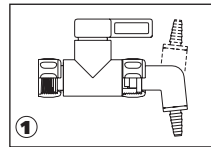
Space-saving jerrycan made of PP
sterilizable, 5 liter capacity
with and without threaded connection





Wide-neck canisters made of HDPE
available with capacities of 5, 10, 22
and 31 l with and without threaded
connection

Wide-neck containers made of HDPE
available in 6 sizes from 1 to 10 l
without threaded connection

**A wide selection of canisters and
containers** can be found in this
catalog on pages 164 to 169.



①

②

③

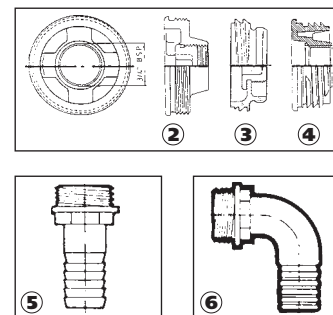
④

⑤

Ball valve

Ball Valves for Barrels

leakproof, robust, variable, adaptable



Ball valves for barrels

made of PP, with thread connection for barrels which are lying on their sides.

Accessory valve inlet thread adapter:

Thread adapter for the most common barrel threads, 1/2", 3/4" or 1" tube threads, 2" fine threads, Mauser-2" or Tri-Sure®-2" coarse thread.

Accessory valve outlet nozzles:

hose nozzle, straight or with a 90° bend, threaded nipples with external thread.

Connection thread requires sealing tape 8616-10 for a tight seal.

Ball valve PP

Fits all Bürkle containers with 3/4" bottom connection thread. Very stable industrial quality, high throughflow volume.

- Suitable for crystallizing media
- Suitable up to 4 bar pressure at 20 °C
- Feed with 3/4" breechlock nut for vertical mounting on containers
- Incl. discharge angle
- Tube sleeve 16 mm diameter
- Attachable to almost all containers with thread adapter
- Nominal width 12 mm diameter



Ball valve PP, with discharge angle

Price/unit	Price/unit of (X) units	Article No.
41,90	(5) 38,50	0500-1 N4

1 Ball valves for barrels, PP

Thread, inflowing side	Thread, outflowing side	Nominal width mm	Price/Unit	Price/Unit of (X) units	Article No.
1/2" outside	1/2" inside	15	32,70	(10) 29,60	0530-12 N4
3/4" outside	3/4" inside	20	37,70	(10) 34,00	0530-34 N4
1" outside	1" inside	25	45,50	(10) 41,00	0530-1 N4
1/2" inside	1/2" inside	15	29,20	(5) 26,20	8550-12 N3
3/4" inside	3/4" inside	20	33,30	(5) 29,90	8550-34 N3
1" inside	1" inside	25	40,60	(5) 36,60	8550-1 N3
Thread adapter	fit to				
Fine thread 2"	0530-34		1,50	(10) 1,38	0501-18 N3
Coarse thread, Mauser 2"	0530-34		2,80	(10) 2,48	0501-13 N3
Coarse thread, Tri-Sure® 2"	0530-34		1,50	(10) 1,38	0501-14 N3
hose nozzle, straight	1/2"		0,94	(20) 0,85	8545-12 N3
hose nozzle, straight	3/4"		1,07	(20) 0,96	8545-34 N3
hose nozzle, straight	1"		1,31	(10) 1,20	8545-1 N3
hose nozzle, 90°	1/2"		1,59	(20) 1,46	8547-12 N3
hose nozzle, 90°	3/4"		1,63	(20) 1,50	8547-34 N3
hose nozzle, 90°	1"		2,33	(10) 2,11	8547-1 N3
PTFE sealing tape , 12 m long			1,26	(10) 1,14	8616-10 N3

Spigots 3/4"

in PE, PA and brass



Spigot "Quick"

Rapid rotary closure, thread 3/4" outer. Favourably priced robust industrial spigot for universal use.

- Nominal width 13 mm
- Seal made of nitril
- **PE** for mild liquid detergents, weak acids, bases.



Spigot "Air"

self-venting, in PE, transparent, 3/4" outer thread connection.

- Self-venting
- Nominal width 13 mm
- Natural rubber seal




Spigot "Brass"


for petrochemical liquids, self-sealing. 3/4" outer thread connection.

- Nominal width 10 mm


Spigot „Quick“, PE, white

Price/Unit	Price/Unit of (X) units	Article No.	
8,70	(25) 7,90	0532-1	N3

Spigot „Air“, PE, self-venting

Price/Unit	Price/Unit of (X) units	Article No.	
5,10	(25) 4,65	0533-1	N3

Spigot „Brass“

Price/Unit	Price/Unit of (X) units	Article No.	
31,40	(25) 28,30	0535-1	N3

Barrel Valve

for opening and emptying barrels

Spigot Jumbo

with extra-wide tubing, for R2" barrel threads



Barrel Valve

The barrel valve lets you empty even highly viscous liquids quickly and cleanly. It is suitable for metal barrels with a 2" BSP Tri-Sure® thread (see drawing).

The barrel valve can also be mounted on tilted barrels.

- Can also be used for filling barrels
- Parts to get in contact with the media are made of PP

Application

1. Mount the barrel valve on the spigot cap.
2. Open the spigot hole by turning the hand-grip.
3. Empty the liquid.

Barrel Valve PP

Price/Unit	Article No.	
108,00	0536-1 N3	

Spigot "Jumbo"

with large, 50 mm wide tubing, for highly viscous substances, glues varnishes etc., in transparent PE, 2" outer thread connection.

- White PE with spindle
- Seal made of black nitril

Spigot „Jumbo“, PE, white

Price/Unit	Price/Unit of (X) units	Article No.	
73,00	(5) 66,00	0534-1 N3	



Spigot "Jumbo"

with large, 50 mm wide tubing, for highly viscous substances, glues varnishes etc., in transparent PE, 2" outer thread connection.

- Brown PE, low-cost tap

Spigot „Jumbo“, PE, brown

Price/Unit	Price/Unit of (X) units	Article No.	
22,30	(10) 20,40	0534-2 N3	

Flachmann, the compact canister Collection basins



brings more contents onto less shelf width

hygienic, easy to clean



- With or without threaded connector 3/4"
- Transparent PP
- Autoclavable without stopcock
- Moulded graduation
- Canister support stand made of aluminium for safe stand – see page 167
- Stopcock as accessory – see page 38

Catch basins

Practical all-purpose trays that can be stacked in one another, strong, unbreakable in normal use, with robust rounded rim

- White PP

Suitable for use as collection basin for environmentally hazardous and aggressive substances, as a tank for experiments, as instrument or clinical tray or as a goods display tray, also suitable for foodstuffs.

More jerrycans and canisters can be found on the pages 164 to 169 in this catalogue

Capacity l	Width mm	Depth mm	Height mm	Opening dia. mm	Price/Unit	Price/Unit of (X) units	Article No.
Flachmann, without threaded connector, with tamper-proof closure.							
5,0	65	335	335	41	23,30	(10) 21,00	0435-5 N4
Flachmann, with threaded connector, just above base							
5,0	65	335	335	41	24,90	(10) 22,30	0435-52 N4

Capacity l	Inner dim. of base L x W mm	Outer dim. of base L x W x H mm	Price/Unit	Price/Unit of (X) units	Article No.
0,5	130x180	180x230x42	4,15	(10) 3,80	4201-1318 N4
1,5	180x240	250x310x65	7,40	(10) 6,80	4201-1824 N4
3,0	240x300	310x370x75	10,70	(10) 9,90	4201-2430 N4
10,0	300x400	420x520x120	17,40	(10) 15,90	4201-3040 N4
21,0	400x500	534x634x140	30,30	(5) 27,80	4201-4050 N4
39,0	500x700	648x846x160	44,20	(5) 40,20	4201-5070 N4

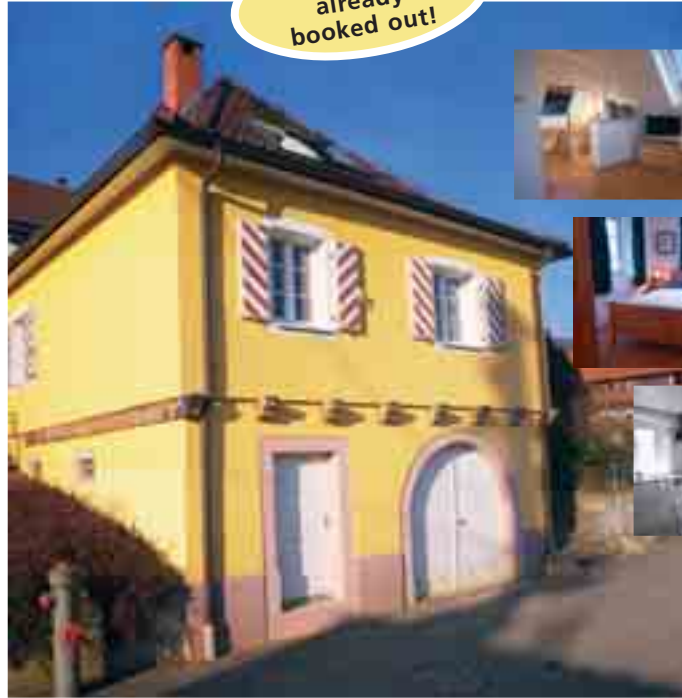
Why not take a vacation in the south ... free of charge!

... in the sunny Markgräflerland, **Germany's Tuscany**, where the sun shines longest and warm winds waft through the "Gateway to Burgundy" into our vineyards to produce the excellent wines.

In the three-country triangle between the Rhine curve near Basle, peaceful Alsace, the green fir trees of the Black Forest and the gentle vineyard slopes of South Baden **life is very enjoyable.**

Enjoy, for example, the thermal baths in Badenweiler, Bad Bollingen, Bad Krozingen or the gourmet cuisine of the top chefs in South Baden. Discover the old city center in Basle, the *most beautiful minster in the whole Christian world* in Freiburg, the half-timbered houses of medieval Colmar. Enjoy an evening snack of smoked ham from the Black

August 2007
already
booked out!



Forest or succumb to the temptation of a Black Forest cherry gateau.

Give yourself a treat in an extremely comfortable house in the Feuerbach valley near Kandern. In the middle of the idyllically located village of you will find, in the old town hall, the guest house of Bürkle GmbH: peace and quiet and fresh air.

Travel alone, as a pair or with your children. As a winner of our

monthly draw (see front jacket flap) **you can enjoy our guest house free of charge for one week.**



It's easy to be the winner – just take part in Edison (see page 150), in Click (see front jacket flap) or send us a filled-in product pass, which you will find with many of our products.

Taking part is well worth your while!

With a little bit of luck you could also be one of the winners – good luck, we are keeping our fingers crossed for you – and, of course, you will find a bottle of Ziereisen wine in the guest house – personally reserved for you.

www.buerkle.de/Gaestehaus



Accessories

in PE and PA

Thread adapter LaboPlast

For different container threads



Sealing tape for threads

made of PTFE, excellent sealing quality, good chemical resistance, 12 mm wide, 12 m long.



Hexagonal nuts
made of white PE, to lock the barrel cocks in place. For 3/4" and 2" thread.



Flat seal

made of soft PE, for spigots with 3/4" and 2".

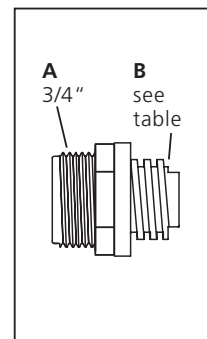


1-7 Thread Adapters

The StopCock discharge taps and other accessories can be connected to most containers using these thread adapters. All adapters have an R 3/4" standard outer thread.

8 Closure Caps

The closure caps are required to close the thread connections.



Thread side A

3/4" external thread, fits the Bürkle discharge cocks 0525-1, 0525-5, 0525-7 and 0500-1 and thread fittings with 3/4" inner thread.

Thread side B

Fits a great range of different manufacturer-specific container threads (see table below).

Accessories for spigots

	Price/Unit	Price/Unit of (X) units	Article No.	
⑥	PTFE sealing tape for threads	1,26 (10)	1,14	8616-10 N3
⑦	PE hexagonal nut, 3/4"	1,86 (10)	1,69	8537-34 N3
	PE hexagonal nut, 2"	3,05 (10)	2,75	8537-2 N3
⑧	PE flat seal, 3/4", pack à 10 pcs.	2,02 (10)	1,97	8538-34 N3
	Flat seal, 2", pack à 10 pcs.	9,80 (10)	8,80	8538-2 N3

Thread adapter set consisting of

thread adapter No. 0501-1, -2, -15 and hexagonal spanner 0501-10

Description	Colour	Material	Price/Unit	Price/Unit of (X) units	Article No.
thread adapter set, completely			13,80	(10) 12,70	0501-5 N4
Single thread adapters					
	thread A	thread B			
①	3/4" Hünersdorff		blue	PP	4,01 (10) 3,60 0501-1 N4
②	3/4" Kautex		red	PP	4,01 (10) 3,60 0501-2 N4
③	3/4" Cylindrical R 3/4" barrel thread		black	PP	4,01 (10) 3,60 0501-15 N4
④	3/4" Conical R 3/4" barrel thread		green	PP	4,01 (10) 3,60 0501-3 N4
⑤	3/4" Coarses thread, Tri-Sure® 2"		green/white	PP/PE	9,50 (10) 8,80 0501-9 N4
⑥	3/4" Coarse thread, Mauser® 2"		green/white	PP/PE	9,50 (10) 8,80 0501-12 N4
⑦	3/4" Fine thread 2"		green/white	PP/PE	9,50 (10) 8,80 0501-19 N4
⑧	-	Sealing cap with 3/4" inner thread	grey	PVC	4,01 (10) 3,60 0501-4 N4
⑨	-	Hexagonal spanner for thread adapter	blue	PP	1,93 (10) 1,74 0501-10 N4

Thread adapters



Thread adapters

Here we offer you a wide range of different thread adapters. These allow the canister pump Pump-it (page 15), the discharge valve StopCock (page 38/39) or the barrel pump screw joints (page 24) to be safely fixed to most containers.

If you have any questions about choosing the correct thread adapter just give us a call. We would be pleased to help you.

Thread adapters

	outer	outer	inner	inner	Colour	Material	Price/ unit	Price/Unit of (X) units	Article No.
Adapter outer/inner									
①		Tri-Sure®	2" BSP		orange	PP	12,30	(10) 11,00	5600-1920 N4
②		Mauser	2" BSP		blue	PP	12,30	(10) 11,20	5600-19 N4
③		Tri-Sure®	Mauser		red	PP	12,30	(10) 11,00	5600-1928 N4
④		Mauser	Tri-Sure®		bordeaux	PP	12,30	(10) 11,00	5600-1929 N4
⑤		US-Fass	2" BSP		silver	PP	12,30	(10) 11,00	5600-1921 N4
⑥	61 mm		2" BSP		gray	PP	12,30	(10) 11,00	5600-1922 N4
⑦	61 mm		3" coarse		natural	PP	17,70	(10) 16,40	5600-1923 N4
⑧	61 mm		3" fine		natural	PP	17,70	(10) 16,40	5600-1924 N4
Adapter inner/inner									
⑨			35 mm	2" BSP	black	PP	14,90	(10) 13,60	5600-1925 N4
⑩			51 mm	2" BSP	green	PP	14,90	(10) 13,60	5600-1926 N4
⑪			61 mm	2" BSP	yellow	PP	7,00	(10) 6,40	5613-12 N4
⑫			64 mm	2" BSP	white	PP	14,90	(10) 13,60	5600-1927 N4
⑬			71 mm	2" BSP	brown	PP	12,60	(10) 11,00	5201-221 N4
Adapter outer/outer									
⑭	61 mm	Tri-sure®			black	PP	7,10	(10) 5,90	5600-1930 N4
⑮	61 mm		2" BSP		black	PP	7,10	(10) 5,90	5600-1931 N4
⑯	2" coarse M.		64 mm (BSI)		green	PP	9,40	(10) 8,60	5201-12 N4
⑰	2" coarse Tri-Sure® /		64 mm (BSI)		brown	PP	9,40	(10) 8,60	5201-10 N4
⑱	2" BSP		64 mm (BSI)		blue	PP	9,40	(10) 8,60	5201-11 N4
⑲	DIN 60		64 mm (BSI)		black	PP	13,70	(10) 12,50	5201-13 N4
⑳	DIN 51		64 mm (BSI)		black	PP	15,70	(10) 14,10	5201-18 N4
㉑	DIN 61		64 mm (BSI)		yell./blue	PP	15,70	(10) 14,10	5201-21 N4
㉒	DIN 71		64 mm (BSI)		brown/blue	PP	15,70	(10) 14,10	5201-22 N4

DosiFüll

Hand filling device

Hand lever
for right-hand and left-hand
operation



Exact filling and dosage of all
kinds of liquids

Adjustable filling table
made from stainless steel with
centering device

up to 500 fillings
per hour



Handwheel and display
for precise, stepless adjustment
of dosage volume

DosiFüll Liquid transfer pump

for liquids, ideal for small filling batches

DosiFüll has been specially developed for the exact filling and dosage of all kinds of liquids. DosiFüll is particularly interesting for small production batches for which the purchase of a stationary filling station would be a poor return on investment.

Equipment: DosiFüll is available in three different versions:

- Manual operation
- Pneumatic foot switch
- Pneumatic control (on request)

The pneumatic versions are particularly suitable for viscous media. Manually operated instruments can be retrofitted with a pneumatic foot switch or pneumatic control.

The pneumatic apparatus requires a 6 bar compressed air supply.

Areas of application: cosmetic, pharmaceutical and chemical products, paints, lacquers, foodstuffs and beverages.



When ordering, please state the material to be filled. We will test the chemical resistance.
Viscosity of liquids: for information see Page 27

Operation: DosiFüll fills the medium directly from the original container. The hand lever moves a pressure/suction piston which draws in the medium and then ejects it in exactly metered amounts. The dosage can be adjusted accurately and steplessly with a handwheel without the use of tools; the amount can be read off from a display.

Maintenance: DosiFüll is easily dismantled, easy to clean and the maintenance-free drive requires no lubrication.

Dimensions:
L 600 mm x B 150 mm x H 250 mm

Materials: parts coming into contact with the medium are made from stainless steel 316L (1.4404). Seals are made of Teflon® and Viton®. The housing is made of steel and cast aluminum.

- Self-priming
- Suitable for right-hand and left-hand operation
- Dosage accuracy < 1%
- Large containers filled by several strokes
- Up to 500 fillings per hour
- 4 sizes for filling volumes from 5 to 1020 ml



Feeding tube

Various filling nozzles allow the individual filling of a wide range of containers such as bottles, tubes, tubs, crucibles, jars, etc. For filling nozzle diameters above 12 mm a filling nozzle with sieve is essential (Art. No. 5910-2).

Special equipment:

- Adjustable stainless steel filling table
- Liquid funnel with attachments
- Pneumatic drip preventer for high-viscosity products, diameter 15 mm.

DosiFüll for liquids, manually operated			
Dosage volume from - to ml	Standard filling nozzle dia. mm	Price/Unit	Article No.
5 to 55	6	2691,00	5910-20 N2
20 to 250	8	2909,00	5910-210 N2
50 to 600	10	3054,00	5910-550 N2
50 to 1020	10	3519,00	5910-1000 N2
DosiFüll for liquids, pneumatic, volumetric foot operation			
5 to 55	6	4347,00	5910-21 N2
20 to 250	8	4347,00	5910-211 N2
50 to 600	10	4544,00	5910-551 N2
50 to 1020	10	5020,00	5910-1011 N2

Description	Price/Unit	Article No.
Feeding tube without sieve	100,00	5910-1 N2
Available sizes: 6, 8, 10, 12, 14, 16 and 18 mm outside diameter ¹⁾		
Feeding tube with sieve	140,00	5910-2 N2
Available sizes: 10, 12, 14, 16 and 18 mm outside diameter ¹⁾		
Feeding tube with mechanical drip-preventer	554,00	5910-1117 N2
Filling table	402,00	5910-1115 N2
Adjustable height with centering device		
Centering device for bottleneck	306,00	5910-1116 N2
Pneumatic control	5341,00	5910-1118 N2
for pneumatic-operated equipment. Surcharge for later upgrade		
Teflon sealing set (surcharge)	290,00	5910-1125 N2



¹⁾ Please always indicate the desired size when ordering filling tubes.

DosiPast hand filling device

for pasty media such as creams, salves, emulsions,
from 5 to 550 ml



*Variable filling table
with centering
device*



*Handwheel and
counter display*



*The filling tubes can
be exchanged easily*

DosiPast – ideal for small filling series

Specially developed for manually filling off highly viscous products such as creams, salves, emulsions, shampoos, etc.

Fields of use: cosmetics industry, chemotechnical industry, dispensaries, drugs, food industry, adhesives and for filling off honey.

DosiPast is always suitable when the acquisition of an expensive filling machine usually intended for large series is not worth while. The manually operated device is simple to use, works economically and with high filling accuracy.

How it works: DosiPast can be quickly installed at any workplace and is immediately ready for use. DosiPast is self-priming. The hand lever is used to move a suction/pressure piston which draws in the medium and meters it out accurately. The filling amount is set precisely and steplessly using a hand wheel – no tools are required – and can be read off from a display. It is easy to dismantle and clean. This makes rapid medium change possible.

DosiPast hand filling device

the ultimate filling device for pasty media

Suitable for both left-handers and right-handers, as hand lever can be repositioned.

Adjustable filling table with centering device

Hand wheel and numerical display

Versions:

DosiPast is available in two sizes for filling volumes from 5 ml to 550 ml. Metering accuracy is $\pm 1\%$. Filling nozzles from 6 mm to 18 mm dia. are available; standard nozzle is 10 mm dia. Filling funnels with 15 l and 30 l capacity.




Materials:


Parts coming into contact with the medium are made of AISI 316 stainless steel (1.4404). Seals are Teflon® and Viton®.


Special versions


- Adjustable stainless steel filling table
- Nozzles with various diameters
- Pneumatic drive
- Pneumatic drop preventer for viscous products, e.g. honey (for use with pneumatic drive) 15 mm dia.

DosiPast for pasty substances complete with funnel and cover					
Dosage volume from – to ml	Filling capacity funnel / l	Filling quantity per hour approx.	Standard filling nozzle dia. mm	Price/Unit	Article No.
5 to 210	15	up to 400	10	4260,00	5911-200 N2
50 to 550	15	up to 400	10	5279,00	5911-500 N2

 Viscosity of liquids: for information see page 27

Description	Price/Unit	Article No.
 Feeding tube without sieve Available sizes: 6, 8, 10 and 12 mm outside diameter ¹⁾	100,00	5910-1 <small>2 weeks</small>
Feeding tube with sieve Available sizes: 10, 12, 14, 16 and 18 mm outside diameter ¹⁾	140,00	5910-2 N2
Feeding tube with mechanical drip-preventer	554,00	5910-1117 N2
Pneumatic, adjustable foot operation for manually-operated equipment. Surcharge for later upgrade.	1434,00	5910-1110 N2

 ¹⁾ Please always indicate the desired size when ordering filling tubes.

Wall-Mounted Dosing Machines

for liquids, resins, varnishes, peroxides, epoxies



Wall-Mounted Dosing Machines

for simple, clean and precise dosing of resins, varnishes and many other pumpable materials. The equipment is designed for stationary use at a workstation

Operation

1. Push pump lever up. The dosage quantity can be read exactly from the glass cylinder's blue scale. Volumes will be dosed by the pump's piston. Dosage volumes set using piston (not fixed).
2. Push the pump lever down, and the liquid is pumped directly into the container, which is to be filled via the discharge hose.

Parts coming in contact with the liquid are made of glass, PTFE and stainless steel.

Although the wall-mounted dosing machine is easy to clean, it is suggested that a stationary pump is allotted to every liquid that is needed regularly. All the pumps are prepared for easy mounting on a wall.

The machines with 1000 ml dosage cylinders are driven pneumatically (compressed air is necessary). Instead of pumping by hand, a pneumatic cylinder does the job. The cylinder is controlled by two buttons - "suck" and "fill".

All the machines are delivered with a PA suction hose.

Wall-mounted dosing machines						
Material	Operation mode	Dosage volume ml	Suction tube dia. mm	Smallest tube graduation ml	Price/Unit	Article No.
Stainless steel	manual	25	10	1	530,00	5912-25 N2
Stainless steel	manual	100	10	1	541,00	5912-100 N2
Stainless steel	manual	250	22	5	860,00	5912-250 N2
Stainless steel	manual	500	29	5	1058,00	5912-500 N2
Stainless steel	pneumatic	1000	29	5	2974,00	5912-1000 N2

Safety Goggles

personal protection for the decantation of dangerous substances



Color safety spectacles – model A

Modern design with perfect seat thanks to Softflex side frames adjustable in length and inclination and soft adjustable nosepiece. All-round tight fit. Available in 5 different colors. Complies with EN standard.



Sport safety goggles – model A

Super sporting look. High-quality PC lens to EN standard, unobstructed view. With Softflex side frames.



Ultralight safety goggles

Modern, extremely light protective goggles with additional built-in side and brow shields. Steplessly adjustable side frames for optimal comfort. Complies with EN standard. Suitable for wearers of spectacles.



Color safety spectacles – model B

4 colours, super-light. Unlimited lateral view, the lateral protection is integrated in the plane. Wings adjustable, pane in highly shock-resistant PC. According to DIN 4646/47.



Casual style safety goggles – model B

Extremely light safety goggles with a casual design. For the highest degree of wearing comfort, according to German industrial and EN standards.



Astrolite safety Goggles

lightweight, unlimited lateral sight and sporty design. Continuously variable side-pieces, side-piece length can be individually set in 3 different lengths, lateral safety shields integrated in the goggle's glass.

Color safety spectacles – model A

Frame	Price/unit	Price/unit of (X) units	Article No.	
black	15,40	(5) 13,90	2502-23	N3
blue	15,40	(5) 13,90	2502-25	N3
orange	15,40	(5) 13,90	2502-24	N3
red	15,40	(5) 13,90	2502-22	N3

Color safety spectacles – model B

yellow/black	14,40	(5) 13,30	2512-4	N3
blue	14,40	(5) 13,30	2512-5	N3
silver gray	14,40	(5) 13,30	2512-10	N3
violet/green	14,40	(5) 13,30	2512-12	N3

Sport safety goggles – model A

Frame	Price/unit	Price/unit of (X) units	Article No.	
blue	13,90	(5) 12,30	2502-35	N3
black	13,90	(5) 12,30	2502-33	N3

Sport safety goggles – model B

black/blue	13,80	(5) 12,60	2513-10	N3
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Ultralight safety goggles

Frame	Price/unit	Price/unit of (X) units	Article No.	
black/blue	15,40	(5) 13,90	2502-41	N3

Astrolite safety goggles

black/blue	15,30	(5) 13,80	2517-1	N3
black/red	15,30	(5) 13,80	2517-2	N3



UltraVision safety goggles – model A

Non-fogging lens thanks to indirect ventilation. All-round pressure-free tight fit – greatest protection against liquid penetration. Complies with EN standard. Suitable for wearers of spectacles.



Visitor protective goggles

Modern over-goggles for wearing over prescription spectacles. Large built-in side and brow shields. Steplessly adjustable side frames.



Belt bag

Practical belt bag for holding most protective goggles, which are always to hand while still being protected.



UltraVision safety goggles – model B

suitable for wearers of glasses, anti-fog goggles. Unrestricted lateral view, 180° field of vision. Fits ideally, excellent for wearers of glasses, closely fitting, without pressure spots. According to DIN 4646/47.



Panorama safety goggles

suitable for wearers of glasses, extremely light, panorama-panes with 180° lateral ventilation through the wings. According to DIN 4646/47.



SafetyBox

The safety box for decanting hazardous liquids: panorama safety goggles and protective gloves for personal safety, stored cleanly in a box. Recommended by trade associations.

UltraVision safety goggles – model A			
Frame	Price/unit	Price/unit of (X) units	Article No.
crystal	21,60	(5) 19,40	2502-40 N3

UltraVision safety goggles – model B			
Frame	Price/unit	Price/unit of (X) units	Article No.
gray-transparent	18,70	(5) 17,20	2514-1 N3

Visitor protective goggles			
Frame	Price/unit	Price/unit of (X) units	Article No.
black/blue	16,20	(5) 14,60	2502-42 N3

Panorama safety Goggles			
Frame	Price/unit	Price/unit of (X) units	Article No.
glass clear	8,80	(5) 8,00	2511-1 N3

Beltbag			
	Price/unit	Price/unit of (X) units	Article No.
anthrazit	6,80	(5) 6,10	2502-9 N3

SafetyBox			
	Price/unit	Price/unit of (X) units	Article No.
	30,80	(10) 27,90	2518-1 N3

Protective Gear

personal protection for the decantation of dangerous substances



Rubiflex Protective Gloves

Long or short models. Top quality thanks to reinforced model. Safe working with fats, mineral oils and many acids and caustic solutions.

- Very flexible, soft grip
- High resistance to abrasion and cuts
- Comfortable cotton/interlock inside
- According to EN 374 standard



Protective gloves with turn-up cuff

made of nitrile, well-proven for work with acids, fats and solvents, particularly robust design, cut-resistant.



Protective gloves PVC

DIN 4841, universal size 35 cm long, with long turnback sleeve, particularly robust design, with strong textile inner lining.



Plastic apron made of PVC

with eyelets, neck band and waist band welded into the apron, industry quality, black, fabric reinforced, size 80 cm x 100 cm.



Face protection shield

Modern, rigid design. Visor with protective aluminum rim. Can be set for any size of head. Stepless visor raising. Visor easily replaceable. Complies with EN standard.

Rubiflex Protective Gloves



Description	Length cm	Price per pair	Price of (X) pairs	Article No.
① Long wrist	60	37,10	(10) 33,70	2507-3 N3
② Standard	37	19,40	(10) 17,70	2507-2 N3

Protective Gear



Description	Price per pair	Price of (X) pairs	Article No.
③ Protective gloves light-green	5,40	(10) 4,85	2516-6 N3
④ Protective gloves green	16,30	(10) 14,80	2507-1 N3
⑤ Plastic apron black	21,90	(10) 20,00	2508-1 N3
⑥ Face mask	42,90	(5) 40,70	2502-10 N3
Ⓜ spare glass for face mask	18,90	(5) 18,00	2502-101 N3

Safety equipment

for emergency use when handling dangerous substances

EyesFlush Eye shower



1 "Eyes Fresh" Mini eyewash station

Perfect for laboratories, filling stations and all work places, where aggressive substances are used. EyesFresh delivers streams of cold water immediately upon opening the tap. For normal use of the tap, just press the button. Afterwards, EyesFresh returns automatically to eyewash-function.

Eyes Fresh can be fitted onto all cold water taps with 1/2" thread (outer thread M22x1) without extra installation work.



2 Eye rinsing bottle

transparent PE, unfilled 600 ml capacity, with valve, dust protection cap, drain-tube and 'Instructions for use' printed on the bottle.



EyesFlush Eye shower according to DIN 12899

for rapid mounting on your laboratory water-fitting.

With a little effort providing a lot of safety, these eye showers were developed for simple installation on a cold water fitting.

The external shower head, which emits a broad spray, sprays the whole face in addition to both eyes. With elastic rubber caps against injury of eyes.

- Connection 1/2" thread inside

1 "Eyes Fresh" Mini eyewash station

Price/Unit	Price/Unit of (X) units	Article No.
111,00	(5) 102,00	2515-1 N3



2 Eye rinsing bottle

24,40	(10) 22,10	2509-1 N3
-------	------------	-----------

3 Wall fixture

12,70	(10) 11,30	2509-2 N3
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EyesFlush Eye shower



Number of shower-heads	Direction	Price/Unit	Article No.
1	Vertical	142,00	2515-20 N2
1	45°	156,00	2515-21 N2
2	45°	211,00	2515-22 N2



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Packaging, transport

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Take samples – but do it right!

Correct sampling is very important in the context of quality assurance. It is essential if you want to have reliable and accurate data about the quality, properties or composition of a specific material.

You can carry out very precise material analyses using the most modern techniques. However, if a mistake is made in sampling then even these modern techniques are useless because the initial sampling error is carried through all the steps of the analysis and incorrect results will be obtained. This means that a correct statement about the properties of a substance can only be made if the samples are taken and handled with the same care and accuracy as is used in the subsequent analysis. It all comes down to the fact that the properties and composition of the sample itself must correspond exactly to those of the material from which it has been taken.



Take samples, but how?

A few basic steps must be observed when taking samples. It is recommended that you operate according to an internal company procedure, which should be a fixed component of the quality standards of every company.



In this checklist, all relevant sampling steps should be written down and carried out accordingly.

Sampling site

The site where sampling is carried out must be as clean as possible. If this is impossible due to external factors then, at the very least, care should be taken that clean equipment and auxiliary devices are used. During the sampling process care must be taken that no external factors alter the sample. The slightest extraneous impurities can greatly falsify the investigation result. Detergents that are used for cleaning the sampler and sample packaging can also falsify the investigation result.



Take samples, but who?

Skilled workers

Only skilled workers with special training should take the samples. Sampling has to be carried out exactly in accordance with the given guidelines. Skilled workers are able to recognise altered on-site conditions and react quickly to minimize the risk of sample contamination. A skilled worker recognises malfunctions and changed conditions more quickly and analyses them accordingly.



Take samples, but using what? Sampling equipment

The selection of the correct equipment is subject to many criteria. It depends on the material properties as well as the type of sampling, the containers in which the material is located, and the frequency of sampling. In addition to individual requirements, all equipment should fulfil the basic principles explained below.

Material

The equipment should be made of inert materials from which nothing can escape to contaminate the sample. Of course, this depends on the corrosiveness of the medium to be sampled. As a rule, equipment made of stainless steel and high quality synthetic or plastic material – especially Teflon – is well suited.

Cleaning

It should be easy to clean the equipment quickly and – under certain conditions – to sterilize it. Depending on your needs, sterile-packed disposable samplers could be appropriate; these can be disposed of after use.

Processing

Equipment that is reused should not have any grooves or crevices. 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.

Surfaces

Equipment with especially smooth surfaces has proved to be especially well suited, for example, electropolished stainless steel or Teflon.



This prevents material from being deposited and greatly simplifies cleaning. When selecting sampling equipment you should take care to check that it is properly finished both inside and outside.

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 sampling. In physical sampling, the bulk density, material distribution, material properties and – when required – colouring or contamination are determined. It is especially important in this case that the sampler does not change or destroy the material while withdrawing it. Also keep in mind that a sample taken on site still has to be transported. You must also take care during transport and packing that the sample reaches the laboratory uncontaminated.

In the analytical method, special attention must be paid to purity in addition to the aspects listed above. On the other hand, the material properties can be disregarded sometimes, because the sample will be specially processed. In this case equipment can be used which changes the physical properties of the material.



Sampling techniques

Multilayer sample

A sample is taken through all material layers to provide a representative cross-section.

Targetted sample

A targetted sample is taken from a pre-determined point. This is done to determine the material state precisely at this point or several targetted samples are taken over a larger area or in a large volume container. All target-point samples averaged together provide a representative cross-section of the material content.

Completion of the sampling procedure

After the sample has been withdrawn, the sample must be packed for transport.

Clean sampling containers connected directly to the sampling equipment – without intermediaries – are ideal. The sample has no contact with the outside environment and is packed for transport at the same time. The same conditions relating to the sampling equipment apply to packaging, storage, and transport. Here too you should pay attention to the cleanliness of the packaging material and the risk of contamination from escaping substances. The containers are then labelled and taken to a laboratory – if necessary in coolers. Coolers with temperature monitors are ideal, to ensure that peak storage temperature is maintained.

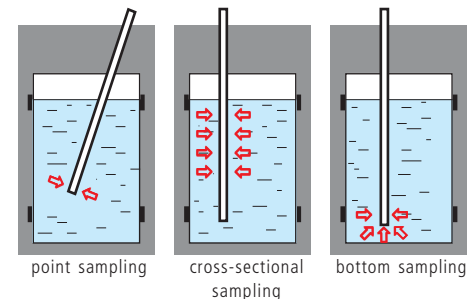


Tip

If you take samples from sacks or bags, the insertion points can be reclosed with special labels. You can write on these labels, which will even stick firmly onto very dirty surfaces.

Any more questions?

We would be happy to advise you.



Repro

High-precision sample divider

Ideal for sample division for laser diffraction spectroscopy

Distributor head for sample tubes with different shapes and sizes

Reproducible part amounts < 1g

Minimal standard deviation, typically < 0.5 %

Feed channel and distribution head vibrate at the same frequency

Simple sample tube insertion with one hand

Operated via touch-sensitive keyboard



Repro

High-Precision Sample Divider



What use is the high precision of modern analytical systems in the ppb-range, if sampling and sample division are not carried out with the same degree of accuracy?

Inadequate sampling and sample division result in unsatisfactory and even incorrect analyses.

These are worthless, or unnecessarily expensive, because faulty analyses can only produce incorrect results from which any conclusions obtained are "paid for dearly".

Reliable information about the properties of particle systems involving powders, suspensions and emulsions are only possible if:

1. Representative cross-sectional samples are taken with a suitable sampler.

2. The usually far too large amount of sample is reduced to a practical amount of sample while retaining exactly the original composition.

The Repro high-precision sample divider meets these demands for the first time, thereby setting a new standard worldwide. The patented vibration system of the Repro allows reproducible sample division in the milligram range with the highest degree of accuracy.

What is the difference between the Repro and conventional sample dividers?

In the Repro it is not just the feed channel that vibrates, but the complete distributor head. In this way samples, particularly poorly flowing substances such as lactose, are transported better in the vibrating distributor head. As in all great inventions, this is a small but crucial advantage which is why this principle has been patented!

This new technique has decisive advantages if small, very small or toxic samples have to be divided and/or the highest degree of accuracy is required for the sample division which must also be reproducible. This is why our sample divider is called **Repro!**

Cleaning function / Residue removal

ensures residue-free emptying of the feed channel and distributor head and guarantees that the whole of the original sample amount is fed through the sample divider. Nothing is retained, which is the only way of ensuring that all of the original sample is contained in all the part-samples.

Vibration steplessly adjustable

The strength of vibration of the feed channel and distributor head can be set steplessly between 0% and 100%. This means that the material flow, depending on the flow behavior of the sample, can be controlled during the whole division process.

Customer-specific sample vessels

The Repro adapts itself to your requirements. You can use your usual sample tubes of all shapes and sizes. The sample tubes are simply inserted in the quick-action clamps of the distributor head.

Sample division in a fume cupboard

The sample divider and control unit are separate, which permits sample division in a fume cupboard, e.g. with toxic substances.

The protective cabin

allows sample division of toxic substances even without a fume cupboard in a safe room – for the protection of the operating personnel.



Prices in € – Phone + 49 (0) 7621 9331-16, Fax + 49 (0) 7621 9331-31

т/ф (495) 980-29-37, 311-22-09, 319-22-78, 781-21-58

Laser diffraction

A typical field of application for the new Repro has been opened up in particle size analysis by laser diffraction spectroscopy, in which sample amounts of < 0.1g are used for analyses in the laboratory. The Repro vastly improves the reproducibility and meaningfulness of the results.

Simple handling

The operation and handling of the instrument is simple. The sample tubes are easily and quickly inserted in the self-locking holders and sample division can start immediately. Operation is by a protective touch-sensitive keyboard.

High-quality materials

All parts coming into contact with the sample are made from stainless steel and aluminum provided with an abrasion-resistant non-stick coating for optimal sample transport.

The housing is made from electro-polished stainless steel.



Free-of-charge test

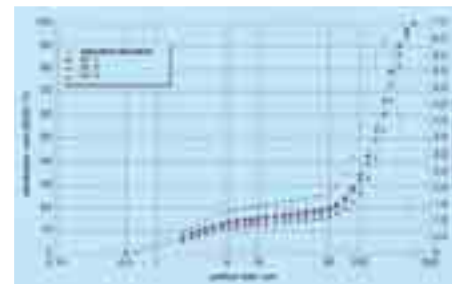
We will be pleased to carry out a free-of-charge sample division with the Repro for you. Just send us a sample volume of approx. 100 ml – you will receive a 6-fold divided sample in the near future together with a protocol of the result and a performance diagram.



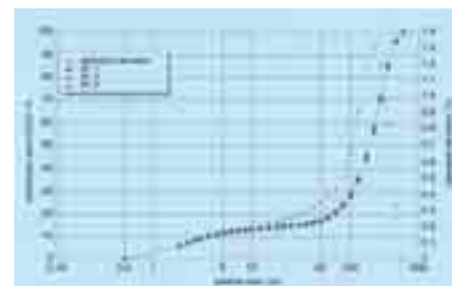
Summary

Samples divided with the high-performance sample divider Repro are characterized by a significantly lower variation between all part-samples. As a result of the vibration of all sample transporting instrument parts both sample feed and sample division are considerably more uniform and therefore more exact than was previously possible. The cleaning function guarantees complete sample removal, the sample is divided down to the last particle.

In this way the Repro defines a new technological standard and should always be used wherever the best possible analytical results are required.



Variation with a sample divided by hand.



Variation with a sample divided by Repro.

Only when all the links in the chain of sampling, sample division and analysis are of the same

strength will the results and the conclusions drawn from them lead to success.



High-Precision Sample Divider

	Price/Unit	Article No.
① Repro A	8089,00	5500-1000 N2
② Protective cabin made from Plexiglass for Repro A	1323,00	5500-0100 N2

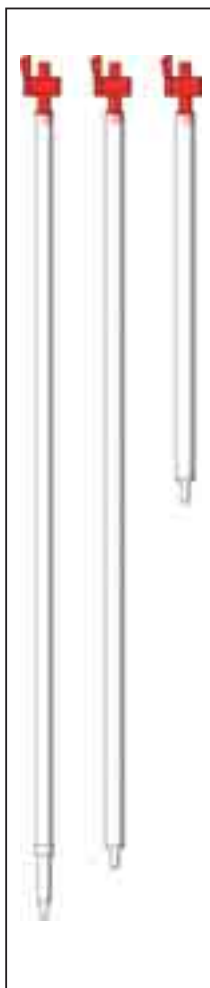
Accessories

	Capacity ml	Dia. x H mm	Price/Unit of (X) units	Article No.
Sample tubes with lid	5,0	19 x 40	(12) 1,31	5590-0005 N2
Sample tubes with lid	10,0	22 x 44	(24) 1,59	5590-0010 N2
Predivider			419,00	5500-0200 N0

Dip Sampler

for liquids

Disposable Plunging Siphon



Dip Sampler

made of PP for rapid and simple spot checks of liquids. The dip samplers are transparent and enable the contents to be seen clearly. Upper end with reflux valve, lower end with ball valve.

- Transparent PP
- Type 200 variable step by step from 100 to 200 cm
- Special sizes on request
- All-layer sample and target sample possible

Operation

All-layer sample 1. Insert the dip sampler with **opened valve** slowly into the liquid. 2. Close the valve. 3. Withdraw the dip sampler. Remove the sample.

Target sample 1. Insert the dip sampler with **closed valve** into the liquid until the target spot. 2. Open the valve. The liquid flows in. 3. Close the valve. 4. Withdraw the dip sampler. Remove the sample.



Disposable Plunging Siphon

If strongly adhesive liquids are sampled, it can be a lot less expensive to dispose of the sampler properly than to employ a long and complicate cleaning process.

The disposable plunging siphons were specially developed for this. They are made of PE, transparent and allow easy recognition of their contents. PE provides a surface that resists adhesion of the sample material, minimizing sample retention and loss.

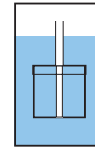
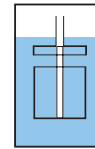
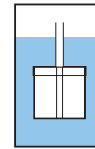
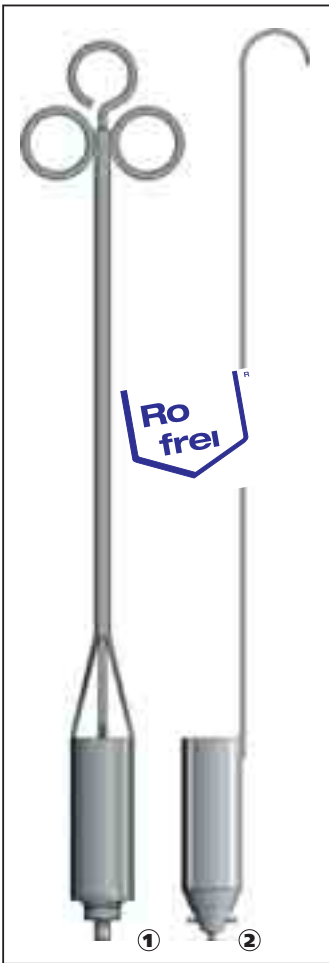
Operation

1. Insert/fill collector into liquid.
2. Close thumbhole above the handle using your thumb.
3. Remove plunging siphon, and empty liquid into the sampling bottle.

Dip Sampler						
Length cm	Diameter mm	Price/Unit	Price/Unit of (X) units	Article No.		
50	22	33,80	(10) 30,80	5615-50	N4	
100	22	36,30	(10) 33,10	5615-100	N4	
200 ¹⁾	22	43,60	(10) 39,20	5615-200	N4	

¹⁾ variable step by step from 100 cm to 200 cm

Disposable Plunging Siphon, complete with handle								
Total length cm	Plunging depth cm	Capacity ml	Tube diameter mm	Price/unit	Price/unit of (X) units	Article No.		
50	35	75	27	7,00	(25) 6,40	5387-50	N4	
75	60	175	27	12,70	(25) 11,20	5387-75	N4	
100	85	275	27	18,10	(25) 16,40	5387-100	N4	



①
 ①
 ②
 ②

MiniSampler and ProfiSampler

Taking samples – comfortable, quick and clean sampling



With the **MiniSampler** and **ProfiSampler** the sample liquid only comes into contact with the suction hose and the sample bottle. The possibility of cross-contamination is greatly reduced therefore. Immediately after having taken the sample, the bottles are sealed using an airtight cap and with tamper-evident safety ring seal.

The single-use, flexible, suction hose can be quickly replaced, thus ensuring 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) and flexibility the hose can reach sampling areas which are otherwise inaccessible.

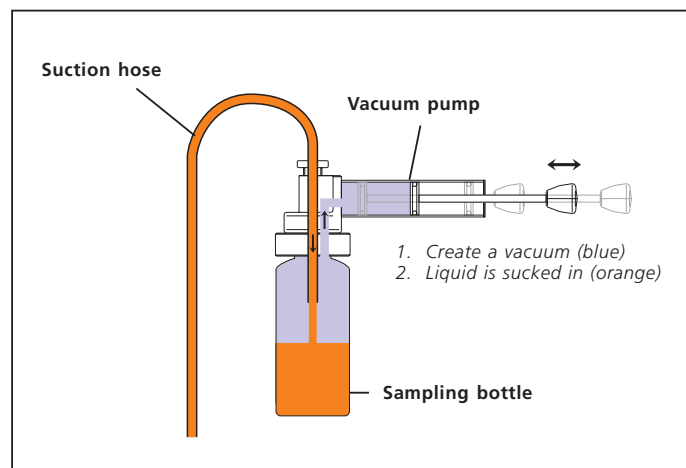
Three models are available

PE for **general** sampling
 PTFE for **ultra-pure** sampling
 PP ProfiSampler for **industrial use**

- Also suitable for viscous oils
- Complete in a practical transport case

Operation

1. Place hose and bottle in 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 bottles, close and label them.



MiniSampler PE

for general sampling

MiniSampler PTFE

for ultrapure sampling



MiniSampler PE

Ideal for sampling from drums, canisters, tanks.
Sampler with accessories complete in transport case.

MiniSampler PE

Contents: Vacuum pump, 10 PE bottles 100 ml, 10 m PE suction hose 6 x 8 mm, 1 hose cutter, 1 hose weight made of stainless steel 304, 20 seal-it bottle seals



Description	Price/Unit	Price/Unit of (X) units	Article No.	
MiniSampler case, PE	134,00	(5) 119,00	5305-1	N4
Sample bottle, PE, 100 ml	1,30	(544) 1,13	0340-100	N3
Sample bottle, PE, 250 ml	1,59	(247) 1,46	0340-250	N3
Sample bottle, PE, 500 ml	1,87	(122) 1,68	0340-500	N3
Sample bottle, PE, 1000 ml	2,41	(72) 2,19	0340-1000	N3
Suction hose, PE, reel of 100 m	34,30	(10) 30,80	8878-0608	N3
Label Reference sample ¹⁾	2,42	(10) 2,18	0555-2	N4
sheet of 24 adhesive labels				
MiniSampler pump	58,00	(5) 47,30	5305-2	N4
Hose cutter	6,10	(10) 5,60	8884-1	N3
Adapter for glas thread GL 45	103,00		5305-201	N4

MiniSampler PTFE

Ideal wherever the highest degree of purity is required.
Sampler with accessories complete in transport case.

MiniSampler PTFE

Contents: Vacuum pump, 1 PFA bottle 180 ml, 5 m PTFE suction hose 6 x 8 mm, 1 hose cutter, 1 hose weight made of stainless steel 304, 20 seal-it bottle seals



Description	Price/Unit	Price/Unit of (X) units	Article No.	
MiniSampler case, PTFE	220,00	(5) 200,00	5305-100	N4
Sample bottle, PFA, 90 ml	41,80	(10) 38,10	6205-90	N3
Sample bottle, PFA, 180 ml	54,00	(10) 47,90	6205-180	N3
Suction hose, PTFE, reel of 5 m	32,70	(20) 28,60	8804-0608	N2
Label Reference sample	2,42	(10) 2,18	0555-2	N4
sheet of 24 adhesive labels				
MiniSampler pump without adapter	47,60	(5) 43,10	5305-21	N4
Adapter PTFE for Sampling tubs 6205-90 and 6205-180	63,00		5305-101	N2
Hose cutter	6,10	(10) 5,60	8884-1	N3
Adapter for glas thread GL 45	103,00		5305-201	N4

ProfiSampler

Vacuum-operated sample collector for robust industrial use



ProfiSampler

While the MiniSampler (see page 64) is designed for laboratory use, the ProfiSampler has been specially developed for rough industrial use.

Uses

Sampling liquids in drums, tanks, road tankers, railroad wagons, ships, lakes, ground water.

Vacuum samplers

have the advantage that the liquid only comes into contact with the sample tubing and not with the pump itself. This ensures that contamination is kept as low as possible and that the purity of the sample is ideal. The liquid passes through the sample tubing, enters the original sample bottle directly and then goes straight to the laboratory.

Advantages

- Larger dimensions and ergonomic handle allow handling with rubber gloves, as is often required in practical sampling.
- Three feet ensure that the ProfiSampler has a stable stand.
- Can be supplied with rolls of PE or PTFE sampling hose wherever the highest degree of purity is required.
- Can be supplied with optimized, straight suction tube for simpler sampling.
- Transport case for tidy transport and disposal
- Filling level control, automatic return flow and overflow protection by built-in venting valve.
- Optimized suction volume 200 ml, suction pressure 0.5 bar and suction depth down to 4 m/water.

Two versions

1. ProfiSampler Aluminum

For solvents and flammable liquids of VbF Hazard Class AI (VbF is the German Regulation concerning Flammable Liquids^{*)}. With GL 45 bottle thread (fits Schott glass bottles from 100 ml to 1000 ml). The instrument must be grounded when sampling flammable liquids. Use grounding cable.^{*)}

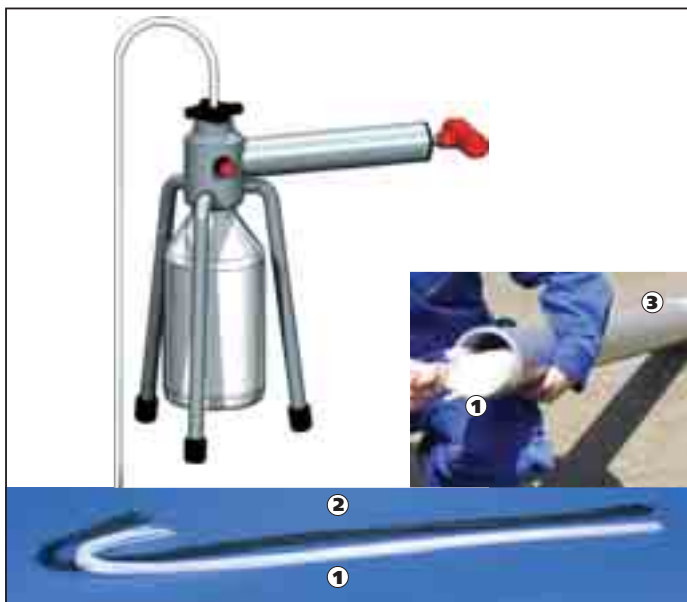
2. ProfiSampler PP

For general sampling, for weak acids, bases, detergents, chemical baths^{*)}. Made from solid, chemical-resistant polypropylene. With GL 40 bottle thread for Multi-Bottle 500 ml.

- ^{*)} Always check the chemical resistance of parts coming into contact with the sample. Wear protective clothing!



The ProfiSampler has been developed in cooperation with a worldwide operating chemical company



Accessories

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

1 + 2 Suction tubes PE or PA, straight

have the advantage that they are not slightly bent like the standard tubing (from the roll) and can therefore be immersed absolutely straight in the container. The suction tubes are available in transparent PE for general sampling and black PA for flammable liquids of VbF Hazard Class A1 (electrically conducting). 220 cm long with bent end piece which can be inserted directly in the ProfiSampler. Diameter 6 x 8 mm.

Contamination banned! In practice the low-priced tubes are only used once and then disposed of, instead of being subjected to a costly cleaning process.

3 Suction tube case

for the practical transport of new suction tubes and the safe storage of used ones. For 100 suction tubes 220 cm long.

- **Sampling bottles**
in different materials and sizes.
- Suction height from surface of liquid 5 m WC

ProfiSampler Aluminum

Consisting of: aluminum vacuum pump, with feet, venting valve and GL 45 bottle thread, 1 x 500 ml glass bottle, 5 suction tubes PA black, 220 cm long, conductive, 1 tubing cutter, 1 hose weight made of stainless steel 304, 24 sample labels, 24 seal-it bottle seals, grounding cable.

Description	Price/Unit	Price/Unit of (X) units	Article No.
ProfiSampler Aluminum	320,00	(5) 291,00	5305-1100 N4

Sampling of flammable liquids. Use anti-static set (see Accessories).

ProfiSampler PP

Consisting of: solid PP vacuum pump, with feet, venting valve and GL 40 bottle thread, 1 x 250 ml PP bottle, 10 m PE suction hose (roll), 1 tubing cutter, 1 hose weight made of stainless steel 304, 24 sample labels, 24 seal-it bottle seals.

Description	Price/Unit	Price/Unit of (X) units	Article No.
ProfiSampler PP	192,00	(5) 171,00	5305-1000 N4

Accessories

Description	Price/unit	Price/unit of (X) units	Article No.
Anti-static set	37,60	(5) 33,90	5602-1 N4
Suction hose on roll			
PE, 6 x 8 mm, Roll with 10 m	10,90		8805-0608 N3
PTFE, 6 x 8 mm, Roll with 5 m	32,70		8804-0608 N2
Sampling bottle made of glass			
100 ml with cap (GL 45)	5,40		5612-0100 N3
250 ml with cap (GL 45)	9,10	(100) 7,40	5612-0250 N3
500 ml with cap (GL 45)	8,70		5612-0500 N3
1000 ml with cap (GL 45)	10,20		5612-1000 N3
Sampling bottle made of PP			
250 ml (GL 40)	1,55	(50) 1,15	0319-250 N3
Suction tubes, straight			
① PE transparent, 220 cm long, pack of 10 pcs.	86,00	(10) 76,00	5305-120 N4
② PA black, 220 cm long, electrical conductive, pack of 10 pcs.	109,00	(10) 99,00	5305-130 N4
③ Transport case	99,00		5305-500 N4
fits for straight suction tube No. 5305-120 and 5305-130			

Mixer

DIN 10 327

Immersion mixer for liquids



In order to obtain correct cross sectional samples of liquids any sediments present must be uniformly distributed throughout the total amount of liquid. Only samples taken from a homogeneous liquid will provide consistent analyses.

Raising and lowering the mixer can completely mix liquids.

- Made from AISI 304 stainless steel
- Variable length with 50 cm or 100 cm extension rods
- Round perforated plate, 150 mm dia.

UniSampler

with telescopic suction lance



UniSampler with telescopic suction tube

for sampling of liquids from precisely predetermined depths. Telescopic suction lance can be varied at will to a maximum length of 100 cm

Operation

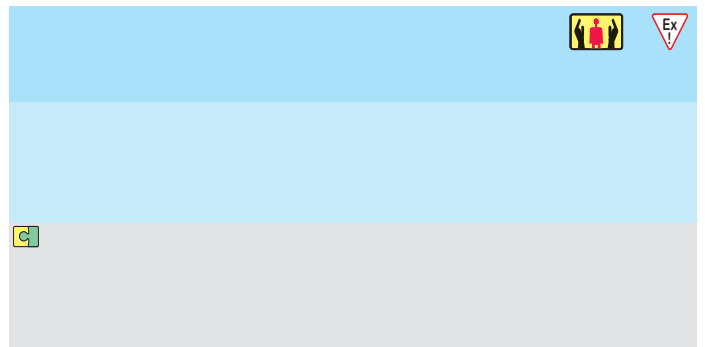
1. Set the desired sampling depth by moving the suction lance.
2. Attach the sampling bottle to the adapter.
3. Lower the suction lance into the medium.
4. Create a vacuum using the handpump and collect the sample.
5. Remove the filled sampling bottle, close and label it.

- PP suction lance, PVC suction hose
- Sample bottles available in 4 sizes

Mixer, complete		NEW	2/2A	autoclave 121°
Length cm	Shape	Price/unit	Article No.	
50	round	120,00	5343-050 N4	
100	round	135,00	5343-100 N4	
Extension rod				
		39,30	5380-50 N4	
		45,60	5380-100 N4	

UniSampler with telescopic suction lance

		Price/Unit	Article No.	
incl. 5 sample bottles 250 ml and 500 ml each, hand-driven vacuum pump and adapter for sample bottles, 20 seal-it bottle seals		163,00	5612-1	N4
	Sample bottle 100 ml	1,13	0319-100	N3
	Sample bottle 250 ml	1,55	0319-250	N3
	Sample bottle 500 ml	2,55	0319-500	N3
	Sample bottle 1000 ml	4,25	0319-1000	N3



Vampire

Battery hose pump for sampling independent of mains power

Suitable for foodstuffs

Good chemical resistance

Sturdy drive unit

Easy cleaning



Sampling directly into the original bottle

Delivery rate up to 2 l/min

Suction height up to 5 m (water)

Hoses made of silicone rubber

Holder for sampling bottle

Also suitable for media containing particles

Vampire Sampler

For sampling liquids in the field



Vampire in use in the environmental protection sector for sampling from narrow openings and at substantial depths.





Vampire is packed in a transport case.

Portable, battery-powered hose pump for liquids. Ideal for sampling from barrels, tanks, wells, water separators and sewage and purification systems.

- Easy to clean, the liquid only comes into contact with hose
- Independent of mains power with rechargeable battery and battery charger
- Sampling directly into the original sampling bottle
- Suction depth to 5 metres
- Also suitable for contaminated substances or substances containing particles
- Good chemical resistance
- High output volume of up to 2.0 l/minute

Vampire Sampler

complete with bottle holder, drive unit, battery charger, hose pump and 5 m suction hose made of PE

Description	Length m	Inner dia. mm	Outer dia. mm	Price/ unit	Article No.	
 Vampir Sampler 12V				602,00	5327-1	N2
 Suction hose made of marprene	1	5,0	8,0	33,60	5327-0508	N2
Suction hose, PE	100	6,0	8,0	34,30	8878-0608	N3

Accessories

Description	Price/ unit	Price/unit of (x) unit	Article No.	
Sample bottle LDPE 250 ml	1,35	(25) 1,28	0302-250	N3
Sample bottle LDPE 500 ml	2,01	(25) 1,54	0302-500	N3
Sample bottle LDPE 1000 ml	3,05	(25) 2,23	0302-1000	N3
Bottle holder for bottles 0302-250	51,00		5302-2	N2
Bottle holder for bottles 0302-500	61,00		5302-500	N2
Rechargeable battery 12V	95,00		5302-4	N2



more sample bottles you will find from page 141 in this catalog.

ChemoSampler

for acids, alkalis, detergents

PTFE Scoop

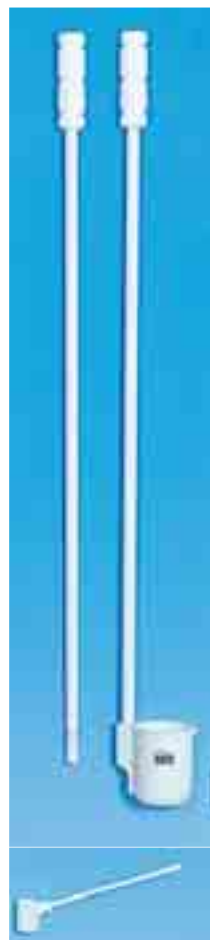
Completely inert



ChemoSampler

specially developed for sampling aggressive liquids, e.g. acids, alkalis, detergents, solvents (check chemical resistance beforehand!). The samples are drawn directly into the screw-on sampling bottle. The tamper-proof bottle closure of these bottles ensures unadulterated sample transport. Samples can be taken from depths of as much as 200 cm, e.g. from tanks, silos or tankers, by using the extension rod.

- Gray PP
- Length 100 cm
- Extension rod 100 cm
- Acid and alkali-proof
- 2 bottle sizes available
- Incl. sample bottle 1000 ml



PTFE Scoops

All parts coming into contact with sample medium are made of pure PTFE, in white. 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 by addition of another component to 120 cm. The 10 ml scoop has a fixed rod 155 mm long.

ChemoSampler					
Description	Price/Unit	Price/Unit of (X) units	Article No.		
Complete, 100 cm long	55,00	(5) 48,20	5336-1	N4	
Extension rod, 100 cm	27,30	(5) 25,20	5385-100	N4	
PE sample bottles, with screw cap					
500 ml capacity	1,97	(124) 1,80	0342-500	N3	
1000 ml capacity	2,02	(81) 1,83	0342-1000	N3	
Protective gear					
Protective gloves	5,40	(10) 4,85	2516-6	N3	
Plastic apron	21,90	(10) 20,00	2508-1	N3	
Safety goggles Ultra Vision	18,70	(5) 17,20	2514-1	N3	

Scoop PTFE					
Capacity ml	Diameter mm	Height mm	Price/Unit	Article No.	
10	25	34	63,00	5389-10 N2	
100	55	65	80,00	5389-100 N2	
250	70	95	93,00	5389-250 N2	
500	80	125	111,00	5389-500 N2	
1000	105	155	140,00	5389-1000 N2	
Extension rod, length 60 cm			70,00	5389-1 N2	





TeleScoop

for industry and water treatment



2 Angular beaker

Adaptable to different container shapes by adjustable angle setting (up to 90°).

- Three sizes
- Polypropylene



3 Pendulum beaker

This beaker automatically swings to a horizontal position. Nothing can be spilt. Suitable for deep and narrow shafts (130 mm dia.).

- Polypropylene



4 Pendulum beaker

- NEW stainless steel



5 Bottle holder

Holds all bottles up to 95 mm dia. Plastic, glass or metal bottles can be safely filled. Angle adjustable up to 90°.

- With universal quick-clamping belt
- PP/Aluminum



6 Stainless steel beaker

With scraper edge, capacity 1000 ml. Ideal for powders, granules, pastes, sludge.

- Sterilizable
- Made of AISI 304 stainless steel



1 Telescopic rod

Aluminum, for TeleScoop



Length infinitely variable from	number of rods	Price/Unit	Price/Unit of (X) units	Article No.
65 cm to 120 cm	2 A	20,50	(10) 18,60	5630-0120 N4
95 cm to 280 cm	4 ¹⁾ C	40,90	(10) 37,00	5630-0280 N4
125 cm to 250 cm	2 A	26,20	(10) 24,40	5630-0250 N4
115 cm to 300 cm	3 B	40,90	(10) 37,00	5630-0300 N4
165 cm to 450 cm	3 B	57,00	(10) 51,00	5630-0450 N4
175 cm to 600 cm	4 C	70,00	(10) 65,00	5630-0600 N4

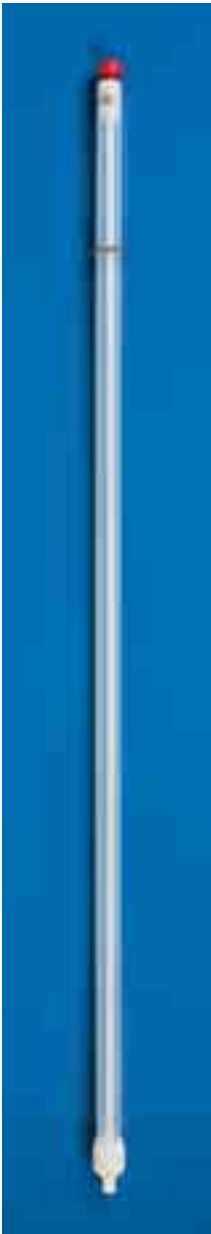
¹⁾ Extremely short version – can still be extended to 280 cm.
Fits in any trunk!



Further accessories (wipers) are shown on Page 213



C Scoop containers for TeleScoop

Type	Capacity ml	Price/Unit	Price/unit of (X) units	Article No.
2 Angular beaker	600	40,90	(10) 37,10	5624-500 N4
Angular beaker	1000	41,80	(10) 37,50	5624-1000 N4
Angular beaker	2000	45,90	(10) 41,20	5624-2000 N4
3 Pendulum beaker	600	38,20	(10) 34,40	5619-500 N4
Pendulum beaker	1000	40,10	(10) 35,90	5619-1000 N4
Pendulum beaker	2000	43,60	(10) 39,40	5619-2000 N4
4 Pend. beaker stainl. steel	1000	130,00	(10) 120,00	5622-1200 N4
5 Bottle holder	750	47,70	(10) 42,90	5658-1 N4
6 Metal cup	1000	96,00	(10) 86,00	5622-1000 N4

Bottles you can find from page 140 in this catalogue.



Yellow square icon  

ViscoSampler

the ultra-pure sample collector for medium viscosity substances



Colour coded handles



With depth marks and scraping ring



Discharge funnel



Sampling bottles
(see pages 140-147)

ViscoSampler

with powerful suction for viscous media. The media is drawn up and discharged using the suction flask.

Made of transparent PP or ultra-pure and chemically inert PTFE/FEP for contamination-free sampling.

Specially developed for viscous substances, for example, slurries, silt, wet clay and soil samples, soil sediments, oils, emulsions, creams etc.

Colour coded handles

in red, blue, green, yellow, white and black, avoid confusion. Red is the standard colour supplied with the ViscoSampler.

Easy cleaning

All surfaces are poreless and without crevices to prevent dirt accumulation. Only those round threads tried and tested in food hygiene are employed. Disassembly and cleaning is very easy.



- Available in transparent PP or FEP/PTFE
- Three sizes
- now also available with length 60 cm



① ViscoSampler, made of transparent PTFE/FEP, Teflon®

Length cm	Diameter mm	Capacity ml	Price/Unit	Article No.
60	25	160	251,00	5333-06T N4
100	25	300	285,00	5333-1T N4
200	25	650	403,00	5333-2T N4

① ViscoSampler made of transparent PP



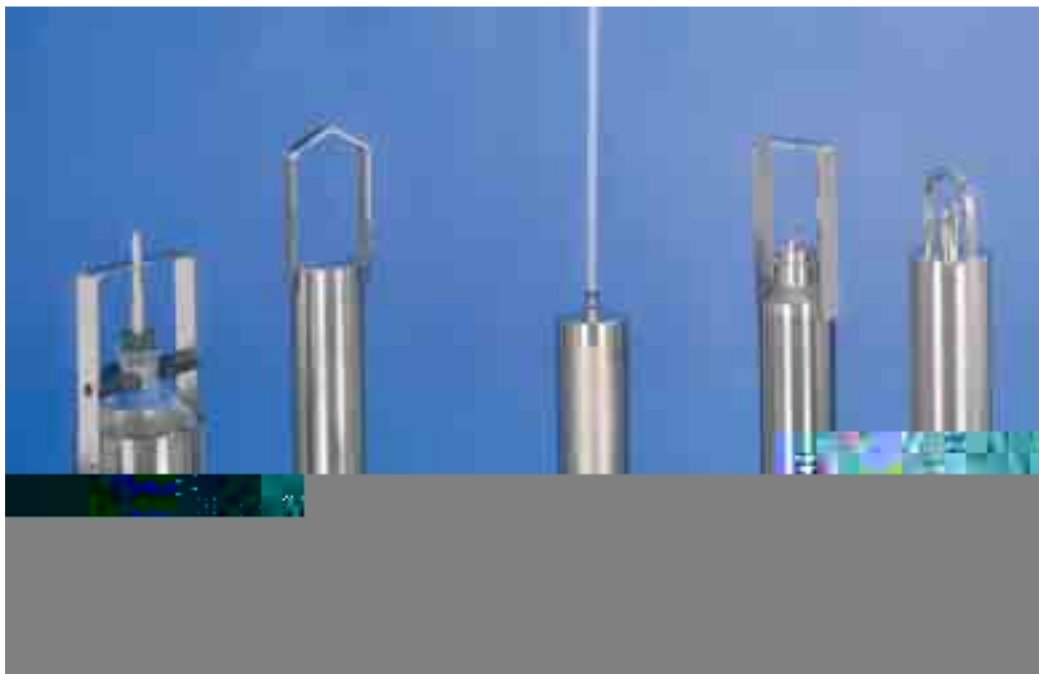
60	25	160	187,00	5333-06P N4
100	25	300	221,00	5333-1P N4
200	25	650	328,00	5333-2P N4

②	Colour coded handles 5 handles, yellow, green, blue, white and black	34,60	5330-159 N4
	Cleaning brush 100 cm for tubes with dia. 15 – 26 mm	30,90	5304-100 N4
	Safety stand (see page 25)	36,70	5618-100 N4
	Sample bottles (see pages 138 – 147)		

③ QualiSampler-Set 5 - for liquids and sludge

Contents	Price/Unit	Article No.
Material Polypropylene , consisting of LiquiSampler, 100 cm, PP (Art.Nr. 5331-1P) ViscoSampler, 100 cm, PP (Art.Nr. 5333-1P) Case, 5 bottles 0340-100, 1 sheets of labels Reference sample , cleaning brush 5304-100	410,00	5330-10P N4
Material PTFE/FEP , consisting of LiquiSampler, 100 cm, PTFE/FEP (Art.Nr. 5331-1T) ViscoSampler, 100 cm, PTFE/FEP (Art.Nr. 5333-1T) Case, 5 bottles 0340-100, 1 sheets of labels Reference sample , cleaning brush 5304-100	576,00	5330-10T N4

Dipping bottles



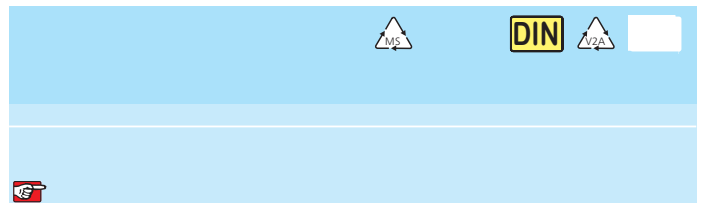
From left to right: glass dipping bottle, dipping vessel, Mini immersion cylinder, Target immersion cylinder, immersion cylinder Ex

Dipping bottles are used in many different fields for collecting liquids. Bürkle produces by far the widest range of dipping bottles – the right product for each application.

- Dipping bottles for sediments, for environmental samples, for chemically aggressive products, for petrochemicals, for Ex-proof applications.
- Dipping bottles for Ex-proof applications are made from brass with a high-quality nickel plating. We do not want to supply our customers with oxidized products coated with verdigris.
- Made from ultrapure materials, high-quality stainless steels and glass. In accordance with EU Directive RoHS 2002/95/EU we do not use toxic and environmentally harmful lead at all! (These lead regulations currently only apply to the electrotechnology sector, but it is only a matter of time before lead will have to be replaced in all other fields and Bürkle is setting a good example here.)
- Dipping bottles for point sampling, cross-sectional sampling and bottom sampling.
- Accessories: lowering cables and chains made from different materials, manually-operated reels, also for Ex-proof applications.
- Dipping bottles are heavy. Lowering requires the use of special manually-operated reels with a large winding diameter. Other manually-operated reels place too much strain on the user's wrist and could represent a health hazard.
- Some of our dipping bottles are protected by utility models.

Ahead of our time in environmental matters.

We do not wait until stricter environmental laws come into force, but take action as soon as new EU Directives are published. One EU Directive states that lead is a toxic substance and its use should be avoided as far as possible. Bürkle has already implemented this Directive. Today our dipping bottles are manufactured without the use of any lead at all.



Target immersion cylinder

Dipping Bottle Ex



for flammable liquids
according to DIN EN 58 ³⁾



With the Target immersion cylinder, liquid samples can be taken from a particular point. The immersion cylinder is lowered on a strong and sealed tube. When the target has been reached, a valve at the tube end is opened; this vents the immersion cylinder and fills it with the sample. The immersion cylinder is pulled up and emptied via the screw thread.

- Weight 1.5 kg.
- With 5 m venting tube.
- Screw-off upper part for quick cleaning.

How it works

Lower the Target immersion cylinder to the required depth. When the target has been reached, open the valve at the tube end to vent the cylinder and fill it with the sample. Pull up the immersion cylinder, open the cover and pour out the sample.

Target immersion cylinder

Complete with 5 m venting/lowering tube, valve, and cable reel.



Capacity ml	diameter mm	height mm	Price/unit	Article no.
500	75	200	258,00	5365-6 N4



NEW

- Now without toxic lead jacket.
- Screw-off bottle head for easy cleaning.
- No welding seams inside the bottle (improved surface).
- Robust carrying handle made of solid brass rod, 20 x 2 mm.
- Greater weight for quicker lowering.

Immersion cylinder Ex

For sampling crude oil, liquid mineral oil products, fuels, special and test benzene, fuel oils, kerosene and liquid lubricants of hazard classes AI and AII (VbF). Completely made from non-spark-producing nickel-plated brass.

- Capacity 1000 ml.
- 75 mm dia., height with bow 385 mm.
- Weight 3.0 kg.
- Without lowering cable.

Point sampling

- Observe Ex-proof guidelines!
- Lower immersion cylinder to required depth.
- Pull the chain/cable with a short and powerful jerk – the stopper opens.
- The sample flows into the bottle.
- Raise the bottle with the chain/cable.
- Open the closure and empty the bottle.



Use an electrically conductive manually operated reel and lowering cable or chain!

³⁾ DIN 51750 pt. 2, ISO 3170

Dipping bottle Ex



Capacity ml	Price/Unit	Article No.
1000	318,00	5365-3 N4



Reels see page 0

Immersion Cylinder

for liquids

According to DIN EN ISO 3170 ¹⁾



For sampling crude oil, liquid mineral oil products, fuels, special and test benzine, fuel oils, kerosene and liquid lubricants of hazard classes AI and AII (VbF).

NEW

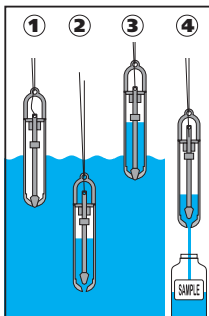
- Screw-off upper part for easy cleaning.
- No welding seams inside the bottle (improved surface).
- Greater weight for quicker lowering.
- Robust carrying handle made of solid brass rod, 20 x 2 mm.
- Capacity 1000 ml.
- 75 mm dia., height with bow 380 mm.
- Weight 4.1 kg
- Without lowering cable

Point sampling

- Observe Ex-proof guidelines!
- Two cables are required (lowering cable and pulling cable)
- Lower immersion cylinder to required depth.
- At required depth, jerk the pulling cable to open the valve.
- The sample flows into the cylinder.
- Release pulling cable to close the valve again.
- Raise cylinder with lowering cable.
- Empty the cylinder via the base valve.

Bottom sampling

- Lower cylinder with lowering cable until it hits the bottom.
- The weight of the immersion cylinder opens the valve automatically.
- The sample flows into the cylinder.
- Raise cylinder with lowering cable, the valve closes automatically.
- Empty the cylinder via the base valve.



¹⁾ DIN 51750 pt. 2, DIN 53242 pt. 1, ASTM D 4057 (form. ASTM D270), ASTM D 923, JIS C 2101, JIS K 2254

Immersion cylinder, nickel-plated brass, without cable

Cap. ml	Dia. mm	Length mm	Price/unit	Article No.	
1000	75	380	415,00	5390-500	N4



Mini immersion cylinder

Capacity ml	Height mm	Ø mm	Price/unit	Article no.	
50	180	32	204,00	5365-5	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.

New

- Capacity 100 ml.
- 30 mm dia., height 180 mm.
- Weight 280 g.
- Without lowering cable.
- Screw-off upper part for easy cleaning.

How it works

The liquid continuously flows through the immersion cylinder while it is being lowered. When it is pulled up, both the flap valves close automatically. It can be emptied via the base valve or the upper screw-off cap.

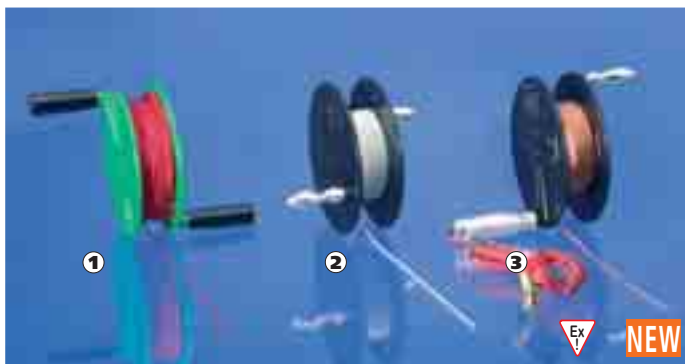


When sampling flammable or highly flammable liquids the Ex-proof guidelines must be observed. Only electrically conductive lowering cables made from non-sparking materials should be used together with the electrically conductive manually-operated reels Article No. 5308-20 or 5308-25 (with grounding connection).

Manually-operated reel

for dipping bottles, immersion cylinders

Lowering cables, chains, snap hooks



The manually-operated 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 reels can be equipped with various cables or chains. If flammable or highly flammable liquids are to be collected, then electrically conductive manually-operated reels must be used together with a grounding cable. The dipping bottles and immersion cylinders must be made from non-sparking materials.

- 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

1 Manually-operated reel PP

polypropylene, green, without lowering cable

2 Manually-operated reel PA

polyamide, black, electrically conductive, without lowering cable

3 Manually-operated reel Ex

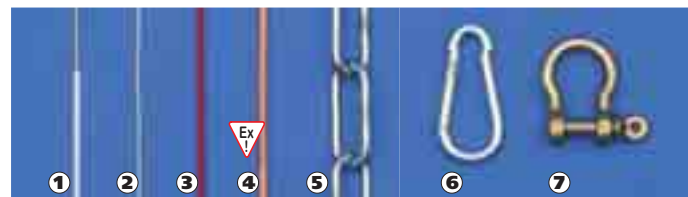
polyamide, black, electrically conductive, with grounding cable, without lowering cable

Manually operated reel

Description	Price/unit	Article no.
① Manually-operated reel PP, green	58,00	5308-30 N4
② Manually-operated reel PA, black	99,00	5308-20 N4
③ Manually-operated reel Ex, black, with grounding cable	155,00	5308-25 N4



Please order your required lowering cable separately. Refer to the table opposite.



for dipping bottles and immersion cylinders and fitting manually-operated reels made from different materials. Max. load up to 10 kg.

1 AISI 316 stainless steel lowering cable, PFA-coated

- Ultrapure materials, cable with practically no influence on sample
- Outstanding chemical resistance
- Cable remains practically unwetted, as all the liquid flows off the PFA skin

2 AISI 304 stainless steel lowering cable

- Good chemical resistance

3 Lowering cable made of PP cord, red or blue

- Practical and favorably priced, color-coded

4 Copper lowering cable¹⁾

5 AISI 304 chain

6 Stainless steel snap hooks

7 Brass shackle¹⁾

Lowering cables, lowering chains

Description	Length	Dia. mm	Price/unit	Article no.
① AISI 316 steel lowering cable, PFA-coated	10 m	2,0	26,60	5308-10 N4
	25 m	2,0	63,00	5308-11 N4
	50 m	2,0	122,00	5308-12 N4
② AISI 304 steel lowering cable, PFA-coated	10 m	1,25	21,00	5391-10 N4
	25 m	1,25	44,00	5391-25 N4
	50 m	1,25	81,00	5391-50 N4
③ PP-cord lowering cable, red	10 m	2,0	8,20	5392-10 N4
	25 m	2,0	18,70	5392-25 N4
	50 m	2,0	36,00	5392-50 N4
④ Copper lowering cable ¹⁾	10 m	4,5	72,00	5365-7010 N4
	25 m	4,5	160,00	5365-7025 N4
	50 m	4,5	310,00	5365-7050 N4
⑤ AISI 304 steel lowering/pulling chain	10 m	2,3	77,00	5365-10 N4
	25 m	2,3	183,00	5365-25 N4
	50 m	2,3	321,00	5365-50 N4
⑥ Stainless steel snap hook			5,80	5365-001 N4
⑦ Brass shackle ¹⁾			8,30	5365-73 N4

1) non-spark-producing metal

AquaSampler

ultra-pure, non-stick, highly transparent, plastic construction

Thiosulfate analysis bottle



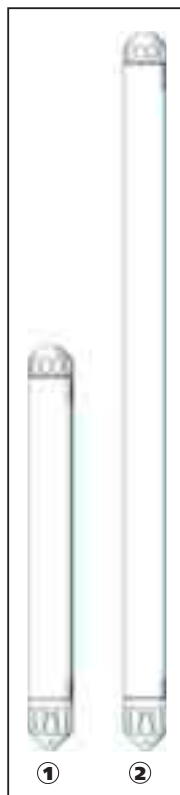
Sampling bottle for microbiological water analysis



Safe and sure pouring



Hand-reel



Label with batch number, sterility expiry date and thiosulfate concentration

AquaSampler

collects ground water samples from wells, pits and other sources. Fits all normal well shafts down to 2" diameter without tilting or getting stuck. Ultrapure materials guarantee the greatest possible sample purity. Easy to clean thanks to rounded edges and threads.

- FEP/PTFE - ultrapure, anti-adhesive surface

Accessories

- Sturdy manually operated cable reel
- Plunging cable, AISI 316 stainless steel, PTFE coated

AquaSampler

sampler without cable

	Capacity ml	Total length mm	Outside diameter mm	Price/Unit	Article No.	
①	350	400	46	209,00	5308-350	N4
②	700	760	46	230,00	5308-700	N4
	1050	1070	46	273,00	5308-1050	N4

Hand-spool PP with Wire cable AISI 316, covered with PTFE

③	Hand-spool, without cable	58,00	5308-30	N4
	Wire cable, 10 m, AISI 316/PTFE	26,60	5308-10	N4
	Wire cable, 25 m, AISI 316/PTFE	63,00	5308-11	N4
	Wire cable, 50 m, AISI 316/PTFE	122,00	5308-12	N4

Transport case 77,00 5330-1 N4

You can find additional reels and cables on page 82 in this catalogue.

Correct sampling alone is not enough – the sample must remain unaltered after sampling. This is the only way to obtain correct and meaningful results!

The sterile thiosulfate analysis bottle has been specially developed for storing and transporting water samples. The sodium thiosulfate in the bottle binds chlorine, bromine and ozone in water. This ensures that the sample remains unaltered until it is analyzed.

The sampling point and time can be written on the label together with further information. The label also shows the batch number, sterility expiry date and thiosulfate concentration.

The wide-neck bottle allows particularly quick and easy sampling.

- With tamper-proof closure

Thiosulfate analysis bottle wide-necked

Capac. ml	L x W x H mm	inner neck dia. Ø mm	Sod. Thio-sulfat mg	Price/unit	Price/unit of (x) units	Article no.
250	60 x 45 x 52	37	5	1,38	(210)	1,25 0379-0250 N3
500	72 x 54 x 199	37	10	1,64	(100)	1,48 0379-0500 N3
1000	82 x 82 x 182	58	20	3,50	(85)	3,15 0379-1000 N3

Environmental protection

„During the development and manufacture of products we always take their environmental effects into consideration.“
Veit Bürkle



Consider the whole – act logically.

The preservation of our environment and the responsible treatment of our sources of raw materials is an important aspect of Bürkle's product and corporate philosophy.

This means that we regard environmental protection as an interdisciplinary duty that affects every sector, from purchasing raw materials and manufacturing the products right through to their disposal. We have a clear target: to treat our resources with care and to minimize emissions.



Environmental protection is a natural part of our products.

Right from the start of developing a new product we always take its potential effects on the environment into account. This is why we use the environmentally friendly and fully recyclable plastics polyethylene (PE) and polypropylene (PP) to the largest possible extent. These both belong to the thermoplastic group and are outstandingly suitable for

being recycled, as they have the simplest molecular structure of all plastics. They are non-toxic and groundwater-neutral. As they are pure hydrocarbon compounds their combustion produces only carbon dioxide and water.

When resources are involved we make all the savings we can.

We have optimized our manufacturing processes to such an extent that rejects and waste are reduced to the absolute minimum. This is done by using production methods that are orientated to subsequent reutilization. We have our own technical facilities and the know-how for closing the raw materials cycle to the largest degree possible.

Otherwise they are disposed of in a proper manner.

For example, the unavoidable plastic waste that occurs when processing plastics is ground up and the majority of it is then returned to the manufacturing process.

All that remains is a minimum residue that cannot be processed any further but which can be disposed of as household waste.



Do more with less energy.

Each kilowatt-hour of electricity that can be saved is a bonus for the environment and reduces our energy bill.

Throughout the company there are light sensors that ensure that lights are only switched on when daylight alone is inadequate. At night the complete Bürkle electricity supply is switched off to reduce current consumption to a minimum. The cooling water for the production machines is not cooled by electricity, but in a special external cooling pond.



Environmentally green, even in the office.

Bürkle has put the paperless office into practice. With our EASY software, the market lead in the paperless office sector, all files are scanned at Bürkle in document quality. In this way the majority of our mail is drawn up and dispatched electronically.

- Order confirmations for more than 20 000 orders per year are sent automatically by fax.
- Most invoices are included in the package with the goods; this saves envelopes and reduces postal charges.

The Bürkle Catalog is also following this trend toward paperless media. It is available in digital form on the Internet.



Packaging isn't peanuts for us.

Less packaging – more environmental protection. By logical orientation toward environmentally-friendly dispatch Bürkle not only reduces the amount of packaging material, but also saves its customers from additional costs.

- For dispatching goods we use only cardboard boxes with recycling markings.
- Boxes in good condition are reused.

Internet <http://www.buerkle.de>, email info@buerkle.de

- Customer's dispatch orders are collected to reduce packaging material.
- No superfluous packaging material is used.

Quality standards can be met. Or exceeded.

Our aim is not just to comply with rules and regulations but, wherever possible, to be better than their requirements.

This applies not only to our quality management system as per DIN EN ISO 9001:2000, which we introduced no less than 10 years ago and which covers all processes throughout the company.

This ambitious target also applies to environmental protection.

As we only process plastics and do not produce them ourselves, we are a company with an inherently very low impact on the environment. We produce neither toxic substances nor do we use hazardous chemicals. Only the hydraulic oil used for operating our plastic processing machines is replaced after about three years by an authorized recycling company.

Ahead of our time in environmental protection.

We don't wait until stricter new environmental laws come into force, but take action as soon as EU Directives are published. For example, one EU Directive states that lead, a toxic substance, should be avoided. Bürkle has implemented this directive in a consistent manner. Today, for example, our immersion bottles are manufactured without using any lead at all.



Using our own ideas to promote innovation.

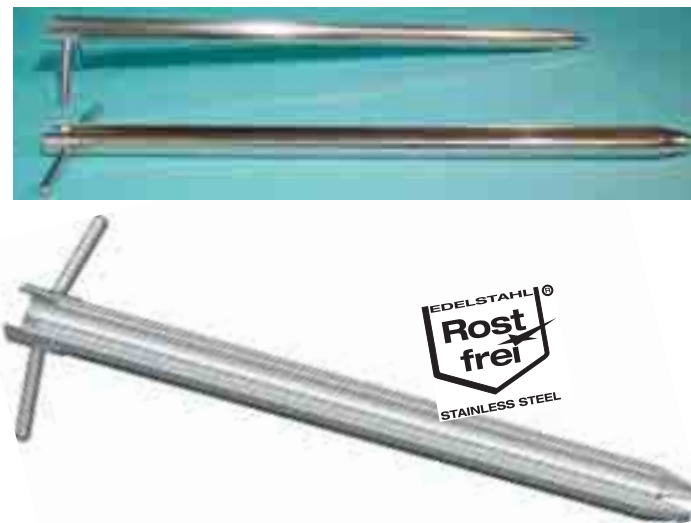
At Bürkle economic viability and environmental protection are mutually compatible. This is why we foster the environmental consciousness of our employees who, with their innovative ideas and their concrete realization, make a contribution to reducing environmental pollution or preventing it right from the start.

Mini ViscoSampler

for small quantities of viscous substances

Valve lance

for viscous substances,
according to DIN 51750 pt. 3 and DIN 53242 pt. 3



Mini ViscoSampler

for viscous substances like pastes, muds, creams, oils. Made of AISI 316 stainless steel, electropolished and ideal for use in pharmaceutical areas. The sample is drawn in using the pump rod and directly conveyed to the sampling container. Easy cleaning for flawless sampling. Suction capacity 30 ml to 75 ml. Depending on the viscosity, the unscrewable suction head can be fitted with suction drills of 2 mm to 6 mm.

- AISI 316 Stainless steel
- Ideal in pharmaceutical areas
- Sterilizable
- Diameter 15 mm

Valve lance

Sampling insertion device for multilayer samples of pastes, viscous and semiliquid substances. Especially useful when sampling layered pastes, as all layers remain intact. Nickel-plated brass, length 850 mm, diameter 32 mm.

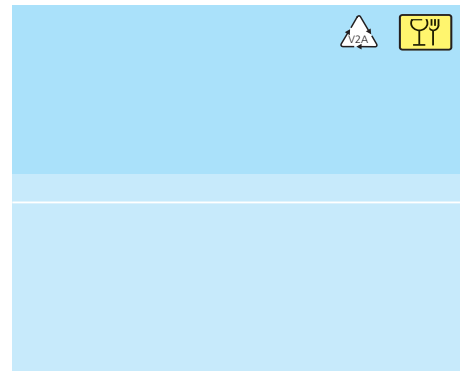
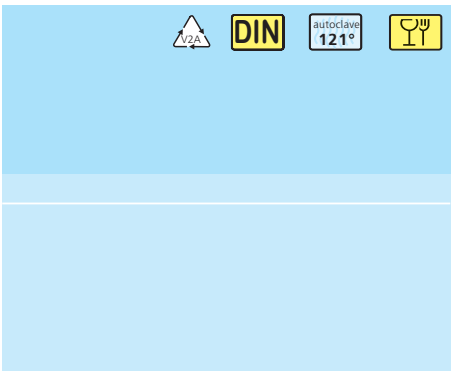
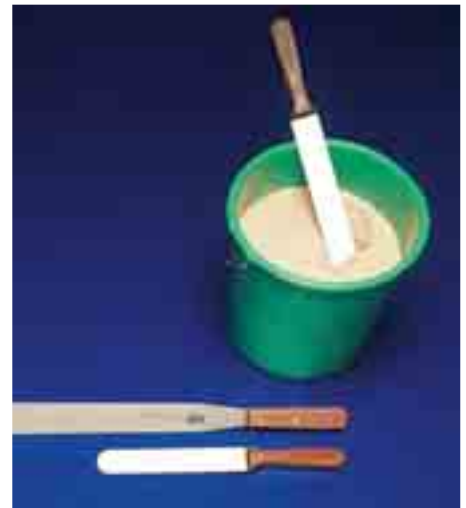
Operation

For viscous substances, the Valve lance is inserted to the bottom whilst closed, then opened and then withdrawn again closed.

When sampling pastes, the Valve lance is inserted to the bottom whilst opened, then closed and withdrawn again.

Description	Price/Unit	Price/Unit of (X) units	Article No.	
Length 60 cm	193,00	(5) 173,00	5341-60	N4
Length 100 cm	224,00	(5) 202,00	5341-100	N4
Length 150 cm	274,00	(5) 250,00	5341-150	N4
Suction heads for Mini-ViscoSampler, exchangeable				
Suction head 2 mm	30,80	(5) 27,90	5341-2	N4
Suction head 4 mm	30,80	(5) 27,90	5341-4	N4
Suction head 6 mm	30,80	(5) 27,90	5341-6	N4

Description	Price/Unit	Article No.	
Length 850 mm	440,00	5359-85	N4
Transport case			
for Valve lance	77,00	5330-1	N4



BeafSteaker

Meat sampler as per HACCP

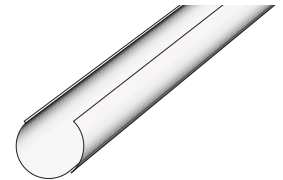


BeafSteaker



BeafSteaker			
Cutter crown mm dia.	Price/unit	Article no.	
	150,00	5388-1000 N4	
Transport case	8,50	3600-11 N3	

	206,00	5323-200 N4		



A few words on samples

Scoops and Scrapers



Sampling should be carried out so that the sample taken is representative of the whole at the time of sampling. The sum of all mistakes or inaccuracies in taking the samples should lie within the deviation expected in analyzing the product itself. That's why any deviations should be reviewed in context with the total accuracy expected. Should anything go wrong, the sampling and analysis should be repeated immediately.

Faulty sampling can never lead to correct assessment of the material in question.

Those taking the samples need to be made fully aware of their analytical task and which factors are critical to proper sampling. The correct choice of apparatus and containers is not up to the person taking the sample, but those responsible for QM in the plant.



Prices in € – Phone + 49 (0) 7621 9331-16, Fax + 49 (0) 7621 9331-31

Scoops and Scrapers



for industrial use
anti-static

for foodstuffs
as per FDA and EU 90/128

Iron scoops are loud, can be dented and rust and are also heavy. Plastic scoops have none of these disadvantages and are also hygienic, because they are made in one piece and have a non-stick surface. They also have a high chemical resistance, are unbreakable and, depending on the version, may be anti-static, anti-microbial, suitable for use with food and available in different colors (cadmium-free) – all valuable advantages.

Three materials

The scoops and scrapers are made from polypropylene and contain additives for different applications.

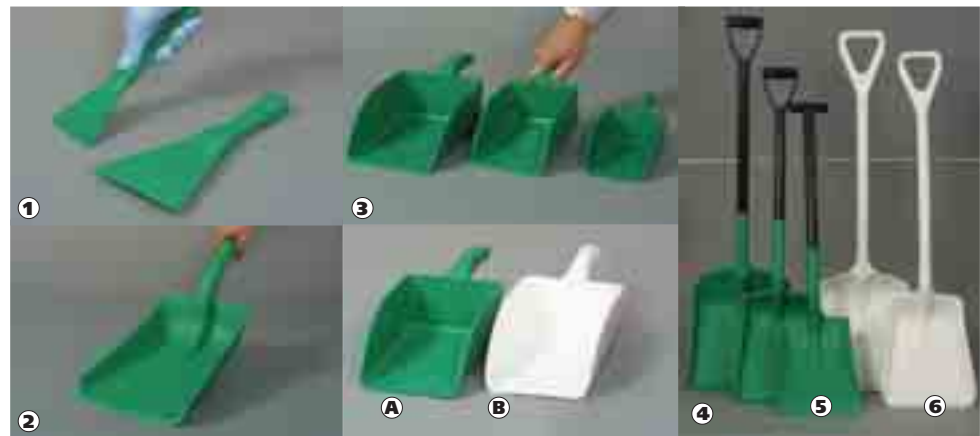
- A. Industry color code green
B. Foodstuffs color code white

Six products

1. Scraper with fixed handle
2. Hand scoop
3. Filling scoop, ideal for sampling
4. 2-part scoop with D-grip
5. 2-part scoop with T-grip
6. 1-part scoop, reduces contamination

Fields of application

Pharmaceuticals, biotechnology, foods, feed, chemistry, industry, agriculture, fish farming, sampling, veterinary use.



Industry

With anti-static additive, ideal for robust use in chemistry and industry. Polypropylene has a high resistance to chemicals and temperatures. The scoops are unbreakable, easy to clean and lightweight.

- Anti-static

Foodstuffs

The easy-to-clean, smooth and pore-free surface of polypropylene makes these scoops extremely suitable for the food sector. They can be also used with boiling products.

- For foodstuffs as per FDA and EU 90/128

Article	Dimensions LxW cm	Total length cm	Weight g	Handle	A Industry, green			B Foodstuffs, white		
					Price/Unit	Price/Unit of (x) units	Article No.	Price/Unit	Price/Unit of (x) units	Article No.
1	Scraper	21x8	40		4,15	(10) 3,30	8306-6 N3	4,15	(5) 3,30	8306-1 N3
1	Scraper	25x10	80		5,30	(10) 4,25	8307-6 N3	5,30	(10) 4,25	8307-1 N3 ¹⁾
2	Hand scoop	32x25	53	530	19,20	(5) 17,40	8301-6 N3	16,80	(5) 15,00	8301-1 N3
2	Hand scoop	35x26	59	830	30,10	(5) 27,30	8311-6 N3			
3	Filling scoop	15x11	25	100	4,55	(10) 4,14	8308-6 N3 ¹⁾	4,55	(5) 4,14	8308-1 N3
3	Filling scoop	19x14	31	185	7,00	(5) 6,40	8300-6 N3 ¹⁾	7,40	(5) 6,80	8300-1 N3
3	Filling scoop	23x17	36	300	8,20	(5) 7,30	8309-6 N3	8,20	(5) 7,30	8309-1 N3
4	2-part scoop	32x25	97	1120 T	40,00	(5) 35,90	8302-6 N3	40,00	(5) 35,90	8302-1 N3
5	2-part scoop	41x33	116	1640 D	64,00	(5) 57,00	8305-6 N3	64,00	(5) 57,00	8305-1 N3
5	2-part scoop	25x35	112	1050 D	51,00	(5) 45,10	8303-6 N3 ¹⁾			
6	1-part scoop	36x28	111	1515 D				63,00	(5) 56,00	8312-1 N3
6	1-part scoop	41x35	110	1850 D				66,00	(5) 59,00	8313-1 N3

¹⁾ Not available from stock, delivery time 2 weeks

SteriPlast Sampler

SteriPlast Sampling Spades

SteriPlast Combination Kit



SteriPlast - sterile samplers for single use

SteriPlast products save time and money during sterile sampling. Time-consuming sterilization, packaging and storing the samplers is not necessary, users can concentrate on the correct sampling procedure itself. SteriPlast samplers allow quick, convenient and safe sampling and prevent contamination.

The SteriPlast range includes the most important tools for sterile sampling such as scoops, spatulas, spoons, knives, sample jars with built-in scoop, syringes, bags and zone samplers – a complete range for a wide variety of applications.



Remove sterile scoop.



Collect sample.



Seal scoop.



Protected sample.

SteriPlast Combination Kit with built-in collection container

With the combination kit we offer a completely sterile sampling system which allows sterile samples to be taken directly into a collection container in a very simple manner. Highly suitable for bulk materials, solid, semi-solid and caked materials such as ice, resins, adhesive pastes and tars that need to be removed mechanically. The semicircular spatula is extremely robust and is provided with a continuous cutting edge. The collected sterile samples can be visually assessed in a sterile condition through the transparent container.

- Container volume approx. 170 ml
- Robust
- Container and spatula made of polystyrene
- Individually sterile packed

SteriPlast Sampling spades

for powders, granulates, pastes. Additional closing cover makes them especially practical.

- Individually sterile packed
- 10 pcs in pack/box

Any mistakes made during sampling or sampling division will inevitably lead to incorrect analytical results!

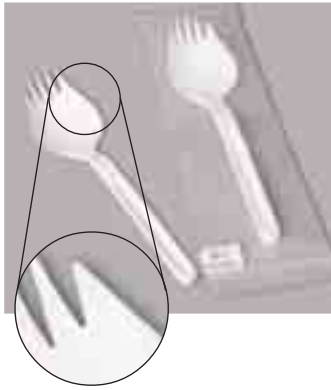
Take samples, but do it right.

You can read how this can be done on page 56.

SteriPlast Sampling spades, with lid		steril		
Capacity ml	Length mm	Price/ pack of 10 pcs.	Price/Pack of (x) packs	Article No.
60	178	25,50	(10) 24,10	5378-01 N4
125	190	30,90	(10) 29,40	5378-02 N4
Bulk prices available				

SteriPlast Combination Kit		steril		I	
Capacity ml	Length mm	Price/ unit	Price/Unit of (x) units	Article No.	
170	175	17,60	(10) 15,90	5378-07 N4	

SteriPlast Sampling cutlery



SteriPlast sampling cutlery

Fork, spoon and knife in one tool – the multifunctional Bürkle cutlery. Cutting edges at both sides are perfect to cut firm or fibrous food such as sea fruit, meat, poultry, vegetable or fruit. For right- and left-handed users. Powders, granulates, pastes and liquids can be sampled with the spoon.

- Length 180 mm
- Sterile, packed separately
- 10 pcs./pack

SteriPlast Tweezers



SteriPlast tweezers

The broad jaws of these small tweezers are ideally suitable for collecting small amounts of dry or moist samples. They are chiefly used in the drugs, food, and semi-luxury sectors as well as in biotechnology.

- Made from white polystyrene
- Total length 11 cm
- Sterile, individually packed
- 25 pieces in pack/box

SteriPlast Spatula



SteriPlast spatula

for powders, granules, pastes. With fixed handle, ideal for taking samples from sacks, containers or the manufacturing process. The rigid tip allows caked surfaces to be penetrated.

- Total length 228 mm
- Penetration depth 152 mm
- Capacity 36 ml
- PS, white
- Sterile, individually packed
- 10 pieces in pack/box

SteriPlast Sample spoons



SteriPlast Sample spoons

for powders, granulates, pastes, liquids

- Available in two sizes, 150 mm and 165 mm length
- Individually sterile packed
- 100 pcs in pack/box

Length mm	Price/Pack with 500 pcs.	Price/Pack of (X) pack	Article No.
180	30,70	(10) 27,30	5378-05N4

Length mm	Price/Pack with 25 pcs.	Price/Pack of (X) pack	Article No.
110	55,00	(10) 52,00	5378-12N4

Insertion length mm	Price/pack of 10 pcs.	Price/pack of (x) packs	Article No.
152	15,50	(10) 14,70	5378-06 N4

Bulk prices available

Length mm	Price/pack of 100 pcs.	Price/pack of (x) packs	Article No.
150	29,20	(10) 27,80	5378-03 N4
165	31,00	(10) 29,50	5378-04 N4

Bulk prices available



SteriPlast Syringe

SteriPlast Sampling tube

Disposable DispoSampler



SteriPlast Syringe

The Syringe is used to take sterile samples and store them. The sample liquid can be easily observed through the transparent cylinder. The amount of sample (max. 50 ml or 100 ml) can be read off from the printed scale. The syringe is supplied in a sterile package and is ready for immediate use. The syringe can be extended to any length with additional tubing. The reduction adapter (supplied with 100 ml syringe) allows the use of extension tubing with 6 mm or 4 mm i.d.

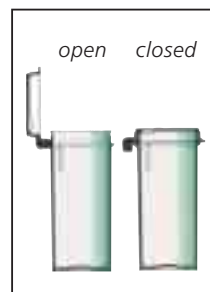
- PP, transparent
- Scale of contents
- Sterile, individually packed
- 10 pieces in pack/box

SteriPlast Sampling tube

with handle and patented sealing cover. Does not drip, leakproof. Opening angle of cover hinge is precisely 90° or 180°.

For sterile sampling of liquids or powders. The sample is collected directly in the sampling container and sent for analysis. Prevents cross-contamination.

- PP, transparent
- Handle length 24 cm
- Sterile, individually packed
- 130 pcs in pack/box



SteriPlast Syringe



Capacity ml	Price/Pack with 10 pcs.	Price/Pack of (X) packs	Article No.
50	14,80	(6) 13,40	5325-0060 N4
100	44,30	(5) 37,70	5325-0100 N4



SteriPlast Sampling tube, with handle

Capacity ml	Height x dia. mm	Price/Unit	Price/Unit of (X) units	Article No
100	80x45	2,65	(130) 2,36	6206-101 N3


Disposable DispoSampler

Collect samples - instead of wasting time with cleaning!



Disposable DispoSamplers have decisive benefits:

- Disposable product – unpack, take sample, recycle!
- No contamination by other samples
- No complicated, time-consuming and expensive cleaning
- Manufactured under clean room conditions
- Individually packed in film
- Sterilized by gamma irradiation as option
- For liquids, bulk goods and viscous media
- Available in lengths of 50 cm or 100 cm
- Diameter 25 mm
- Made from environmentally-friendly, recyclable PE

Disposable DispoSamplers						
Type	length mm	Capacity ml	Material	Price/ pack with 20	Price/ pack of (X) packs with 20	Article no.
LiquiDispo	500	100	HDPE	123,00	(10) 117,00	5393-1120 N3
LiquiDispo	500	100	HDPE/steril	166,00	(10) 158,00	5393-1121 N3
LiquiDispo	1000	190	HDPE	152,00	(10) 144,00	5393-1130 N3
LiquiDispo	1000	190	HDPE/steril	202,00	(10) 192,00	5393-1131 N3
MicroDispo	500	5	HDPE	139,00	(10) 132,00	5393-2220 N3
MicroDispo	500	5	HDPE/steril	182,00	(10) 173,00	5393-2221 N3
MicroDispo	1000	5	HDPE	167,00	(10) 159,00	5393-2230 N3
MicroDispo	1000	5	HDPE/steril	217,00	(10) 207,00	5393-2231 N3
MicroDispo	500	10	HDPE	139,00	(10) 132,00	5393-2240 N3
MicroDispo	500	10	HDPE/steril	182,00	(10) 173,00	5393-2241 N3
MicroDispo	1000	10	HDPE	167,00	(10) 159,00	5393-2250 N3
MicroDispo	1000	10	HDPE/steril	217,00	(10) 207,00	5393-2251 N3

Cost-effectiveness versus quality

Cost-effectiveness is often only of secondary importance, as what use are samples that have been contaminated by previous samples? None at all! On the contrary, these are the most expensive samples that can be imagined, as they produce incorrect results.

Whatever – the correct cleaning of a sampler takes a lot of time and therefore money. The cleaning process is often also laborious and complicated, particularly with fatty, strongly adhesive or toxic substances.

Trained personnel should not have to carry out cleaning work but should concern themselves with taking samples correctly. This is the belief of many of our customers in the pharmaceutical, chemical, food and semi-luxury industries, completely in accordance with our motto: take samples – but do it right!

The disposable DispoSamplers from Bürkle are made of environmentally-friendly PE or PP and can be recycled without any problem.

- ① **AquaDispo** for sampling ground water or other aqueous neutral products. AquaDispo is lowered to the required depth with the lowering cable. Simple emptying by pouring out (top) or via valve (bottom).
- ② **ViscoDispo** for high-viscosity liquids up to max. 100 000 mPa·s.
- ③ **ZoneDispo** for pourable bulk goods up to 2 mm particle size. Hole diameter 11 mm
- ④ **MicroDispo** for pourable bulk goods up to 0.5 mm particle size.
- ⑤ **LiquiDispo** for low-viscosity liquids up to approx. 10 000 mPa·s.

Type	Length cm	Num. of holes	Capac. ml	Material	Price/ box with 20	Price/box of (X) boxes with 20	Article no.
ZoneDispo	500	3	100	PP	363,00	(10) 345,00	5393-4420 N3
ZoneDispo	1000	5	190	PP	452,00	(10) 430,00	5393-4430 N3
ViscoDispo	500		100	HDPE	123,00	(10) 117,00	5393-3320 N3
ViscoDispo	500		100	HDPE/steril	166,00	(10) 158,00	5393-3321 N3
ViscoDispo	1000		190	HDPE	152,00	(10) 144,00	5393-3330 N3
ViscoDispo	1000		190	HDPE/steril	202,00	(10) 192,00	5393-3331 N3

Type	Length cm	Dia. mm	Capac. ml	Material	Price/ box with 24	Price/box of (X) boxes with 24	Article no.
AquaDispo	914	41	1000	HDPE/PP	158,00	(10) 151,00	5393-5520 N2

Accessories for AquaDispo

lowering cable 10 m				PP red	8,20	(10) 7,80	5392-10 N4
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SteriBag

the sterile packaging bag



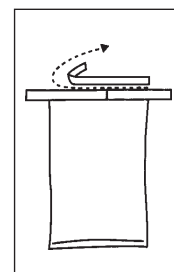
SteriBag

the multifunctional packaging/sampling bag for very different kinds of samples in chemistry, pharmaceuticals, medicine, veterinary science and foodstuffs.

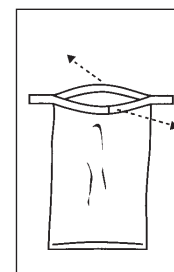
The bags are made of super-polyethylene and consequently are exceptionally tear-proof and leakproof.

SteriBag is also distinguished by its safe handling. When used according to instructions, parts/samples are guaranteed sterile.

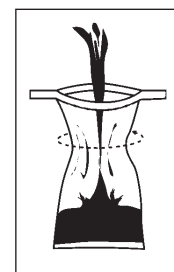
- Sterile
- Can be labelled
- Leakproof
- Space-saving
- Choice of 6 sizes
- Transparent



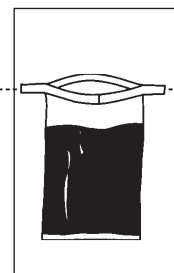
1. Tear off perforated top.



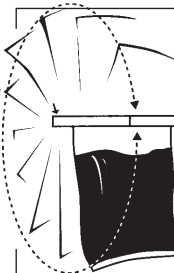
2. To avoid contamination to the interior, open bag by spreading pull-tabs apart.



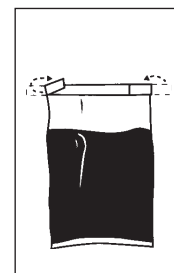
3. Pour sample into bag (either liquid or solid).



4. Grab both pull-tabs of the plastic band to close bag.



5. Twirl the bag 3 or 4 times around the plastic band.



6. Fold both pull-tabs toward each other, to provide an airtight and leak-proof closure.

SteriBag, without labelling area

Capacity ml	W x L mm	Price/pack	Price/pack at (x) packs	Price per pack at (x) packs	Article No.
60	76x127	500	93,00	(6) 88,00 (12) 84,00	5344-0060 N3
180	76x178	500	96,00	(6) 90,00 (12) 86,00	5344-0180 N3
540	114x229	500	113,00	(6) 108,00 (12) 103,00	5344-0540 N3
720	140x229	500	126,00	(6) 119,00 (12) 112,00	5344-0720 N3
810	114x305	500	131,00	(6) 125,00 (12) 116,00	5344-0810 N3
1650	178x305	250	100,00	(12) 96,00 (24) 90,00	5344-1650 N3

SteriBag, with labelling area

60	76x127	500	101,00	(6) 96,00 (12) 91,00	5344-0061 N3
180	76x178	500	104,00	(6) 99,00 (12) 94,00	5344-0181 N3
540	114x229	500	120,00	(6) 113,00 (12) 108,00	5344-0541 N3
720	140x229	500	144,00	(6) 138,00 (12) 131,00	5344-0721 N3
810	114x305	500	139,00	(6) 132,00 (12) 126,00	5344-0811 N3
1650	178x305	250	113,00	(12) 104,00 (24) 99,00	5344-1651 N3

SteriBag *black*

Sterile and impermeable to light

SteriBag Kit

Steril, with sponge for surface sampling



New – SteriBag *black* with the same properties as the time-proven sterile sample bag with the leakproof twirling seal – but now with reliable protection for light-sensitive substances such as vitamins, drugs, chemicals, food supplements, plant extracts, biological tissues.

The perforation of the sterile is opened with the two pull-tabs. Once the sample material has been filled in the bag is hermetically sealed by twirling it round (see illustration on p. 96). Built-in safety: the tab-ends are sealed in plastic film to prevent skin injuries.

- Impermeable to light, sterile, leakproof
- 0.3 mm wall thickness, ideal for abrasive powders
- Very suitable for long storage times
- Made of LDPE, black, complies with FDA and HACCP guidelines
- With practical tear-off seal
- Proven millions of times

Proof of sterility

- Free from RNase, DNase and pyrogens
- The bags are extruded at a temperature of 220 °C to 240 °C and are therefore sterile inside
- Sterility is continually monitored by independent laboratories
- Sterility certificate available on request

SteriBag Kit has been specially developed in order to detect microbiological contamination in samples by organisms such as salmonella, listeria, coli bacteria, and all other bacteria that can occur as a result of improper food handling as well as other pathogenic substances that can be found on almost any food surfaces or even on walls, containers or apparatus.

SteriBag Kit is frequently used in the food, medical and cosmetic industries as well as in the public health sector. SteriBag Kit is convenient and easy to use; it considerably reduces the time required for collecting samples, which are gathered on the sponge and returned to the sterile bags.

SteriBag Kit is manufactured in compliance with the requirements of HACCP, USDA, ACIA and CFIA and is supplied in two versions:



Kit dry – with dry, antibacterial cellulose sponge for sampling moist surfaces.



Kit moist – with moist cellulose sponge impregnated with 10 ml neutral buffer solution, for sampling dry surfaces. The sponge is packed separately to reliably prevent loss of moisture.

The Kits are packed in SteriBags 114 x 229 mm. After opening the sterile bag (tear-off perforation) the sponge is removed and wiped over the sample; the sample is then sealed in the same SteriBag. This is labeled and used as the transport bag. Cellulose sponge, moist, 76.2 mm long x 38.1 mm wide x 15.875 mm thick.

SteriBag versions

Type	L mm	B mm	Capacity ml	Color	Bags/Pack	Price/Pack	Price/Pack for (X) packs	Article No.
SteriBag black	229	114	540	black	500	343,20 (10)	308,80	5344-3 N3
Kit dry	229	114	540	transp.	100	191,50 (8)	172,30	5344-1 N3
Kit moist	229	114	540	transp.	50	160,90 (8)	144,80	5344-2 N3



EasyScoop

Protects the wrists



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 from light aluminum, bright-anodized
- In two sizes

Scoop AISI 304 Basin AISI 304



- Sterilizable
- Robust
- Made of AISI 304 stainless steel

PharmaScoop

the sampling scoop for the pharmaceutical sector



These sample scoops have 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 AISI 316 stainless steel without edges, crevices or undercuts in which sample residues could collect and contaminate subsequent samples. The highly polished inner and outer surfaces of the scoops therefore meet all the requirements for GMP compliance in production and sampling.

- AISI 316 stainless steel
- GMP compliance
- Highly polished
- Different sizes








EasyScoop				
Capac. ml	Length mm	Weight g	Price/ unit	Article no.
1500	200	325	20,10	5356-1500 N2
2000	300	575	26,50	5356-2000 N2




1 Scoop				
Capacity ml	Diameter mm	Price/ Unit	Article No.	
120	50	16,30	5370-1	N3
450	75	18,40	5370-2	N3
1000	105	21,80	5370-3	N3
1500	120	25,00	5370-4	N3
2000	150	32,80	5370-5	N3




PharmaScoop				
Capacity ml	Diameter mm	Length mm	Price/ Unit	Article No.
10	24	44	47,80	5324-10 N2
40	38	70	81,00	5324-11 N2
100	50	100	110,00	5324-12 N2
750	95	215	114,00	5324-13 N2
1100	110	235	126,00	5324-14 N2
1200	125	195	130,00	5324-15 N2
1700	135	230	135,00	5324-16 N2
2500	185	215	161,00	5324-17 N2



QuickPicker

Unscrewable tip for easy cleaning

PP, transparent, scratch-proof, sterilizable, economically priced.

Stainless steel 316 (1.4401); electropolished surface

Volume 75 ml

Insertion depth 30 cm

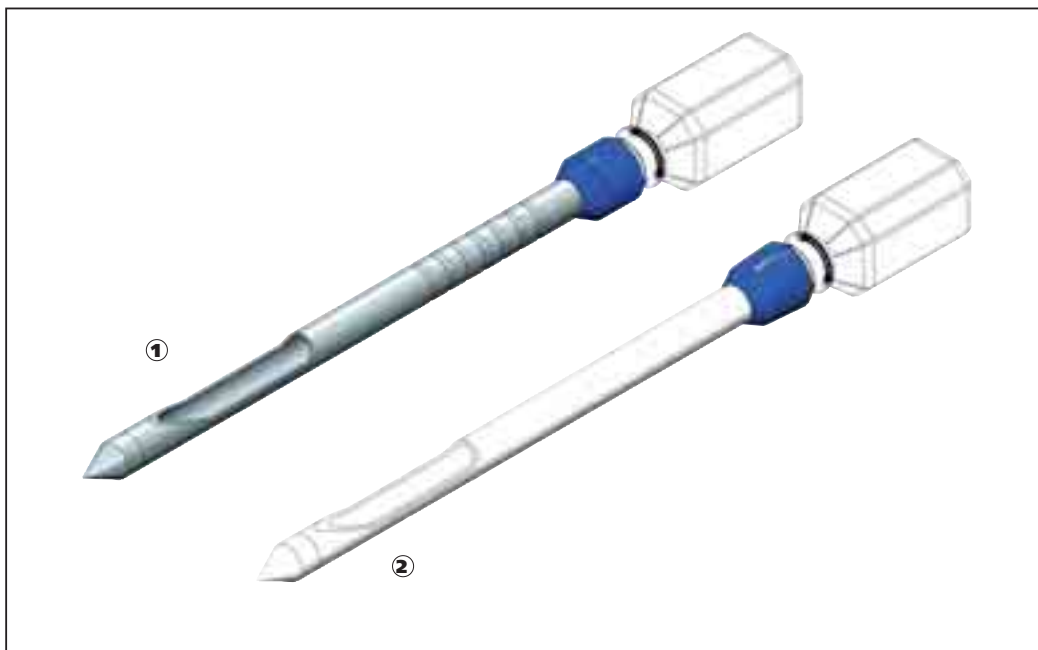
Sampling bottles made of PP or PET
Volumes 250 to 500 ml

Rounded grooves for sure grip

Sampling directly into the bottle; no cross-contamination

QuickPicker

collects samples quickly and channels them directly into the sampling bottle



The **QuickPicker** is particularly suitable for taking direct samples of bulk goods from sacks, Big-Bags or open containers and then filling them directly into original sample bottles. It is uncomplicated to use and clean. No undercuts or edges mean no sample residues which could falsify subsequent samples.

QuickPicker is delivered complete with 2 sample bottles and cleaning brush.

- Sampling depth 30 cm, diameter 25 mm
- Made of AISI 316 stainless steel, or transparent PP for aggressive powders
- Sample bottles made of PP or PET
- Removable point, easy to clean

QuickPicker complete with cleaning brush and 250 ml bottle



Type	Material	Insertion length cm	Total length cm	Volume ml	Price/Unit	Price/Unit of (X) units	Article No.	
①	V4A (316)	30	50	75	167,00	(5) 151,00	5322-30	N4
②	PP transp.	30	50	75	105,00	(5) 95,00	5322-010	N4

Sample bottles

PET, glass-clear	250	1,22	(134)	1,11	0370-0250	N2
PET, glass-clear	500	1,63	(80)	1,47	0370-0500	N2
PP, transparent	250	1,04	(134)	0,93	0371-0250	N2
PP, transparent	500	1,33	(80)	1,20	0371-0500	N2
Transport case		20,90	(10)	18,90	3620-60	N3
Cleaning brush		30,90	(10)	29,30	5304-60	N4

Internet <http://www.buerkle.de>, email info@buerkle.de

т/ф (495) 980-29-37, 311-22-09, 319-22-78, 781-21-58



1. Push the point of QuickPicker into the sack to the desired depth.



2. Pull QuickPicker out again, the sample material is drawn out in the open, half-round scoop.



3. Tilt QuickPicker backwards, now the sample falls directly into the sampling bottle.



4. Seal the punctured sack using close-it (see pages 101f).

5. Remove the sampling bottle, screw on the cap and

6. Write the sample designation on the sticker and stick it on.



close-it

Control Seal

With steam-lock for hermetically sealed closure.
No lumping of hygroscopic powders.

Closure seal that has proven its worth millions of times.

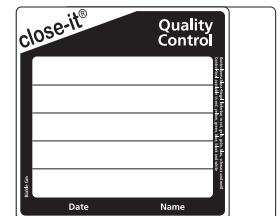
Can be written on using a ball-point pen, pencil or felt-tip pen.


Available in 5 colours.

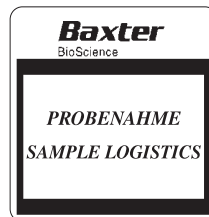
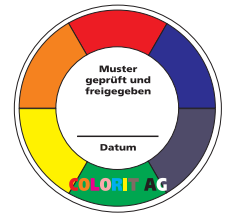
Closes strong as an ox, even on dusty and slightly moist sacks.

Special printing starting from just 6 rolls.

Request a free sample of these labels!





close-itfood

essential for sampling foodstuffs

MagicLabel

dissolves in water in a few seconds

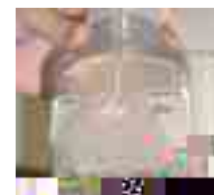


In response to numerous requests by our customers we have now developed close-itfood, a control seal with an adhesive approved for use with foodstuffs.

The strength of the adhesive is almost as powerful as that of the original, the million-times proven close-it from Bürkle, and also ensures the necessary success when resealing sampling openings, as it reliably prevents products from escaping after sampling. The adhesive complies with the European guidelines for foodstuffs.

Just like the original, close-itfood has a barrier layer of aluminum foil. This means that close-itfood is suitable for sampling foodstuffs, pharmaceuticals, cosmetics, food additives – in short, for all applications in which the product must not be contaminated by contact with the adhesive.

close-itfood is supplied in the proven size of 95 x 95 mm in handy rolls each with 500 control seals; these fit in the practical dispenser.



Have you ever been annoyed over labels that you could not remove? We now have the solution: our MagicLabels aren't just removable but also even dissolve and are used for confusion-free labeling.

Our MagicLabels will not block your industrial dishwashers, and you no longer need to use any toxic solvents.

Our labels are ideally suitable for temporarily labeling containers that are to be reused and therefore need to be washed, such as test tubes and beakers and sample vessels.

MagicLabels dissolve in tap water in a few seconds or in the lab dishwasher.

No residues at all remain on the container. The container surface is not damaged by scratching. The labels are biodegradable.

They can be written on by hand, printed on by laser printers and rubber stamped, and photocopied. They are not suitable for inkjet printers.

The labels are stored in their plastic bag packaging to protect them from (atmospheric) moisture. They should be used within one year.

The labels are supplied as DIN A4 sheets (21/64 labels per sheet) and as rolls (500 labels per roll).

close-it food, size 95 x 95 mm, Rolls of 500 labels			
Print/Color	Price/unit	Price/unit of (X) units	Article No.
printed/ red	52,00	(10) 46,50	5303-17 N4
unprinted/ white	52,00	(10) 46,50	5303-18 N4
	Price/unit		Article-No.
Dispenser for labels with 95 x 95 mm	67,00		5303-6 N4



MagicLabel			
Version	Size mm	Price/unit	Article No.
Sheet of labels DIN A 4, pack of 10	48,3 x 16,5	10,80	5303-81 N4
Sheet of labels DIN A 4, pack of 10	70,0 x 38,1	10,80	5303-82 N4
Roll of 500 labels	50,0 x 20,0	22,50	5303-83 N4
Roll of 500 labels	70,0 x 47,8	45,70	5303-84 N4

Please inquire for larger amounts



VakuSampler

nondestructive sampling of granulates



VakuSampler has been developed especially for nondestructive sampling of coarse bulk goods (not suitable for dust and fine powder).

The sample is not withdrawn by any mechanically powered devices, only by the vacuum produced in the sampler body. Consequently, the sample is handled especially gently.

- Easy cleaning
- Suction lance made of PP

Requires a source of compressed air.

VakuSampler suction unit

	Price/Unit	Article No.	
Suction unit	984,00	5306-1	N4

Suction lance

Material	Length cm	Price/Unit	Article No.	
PP	30	36,50	5306-30	N4
PP	60	36,50	5306-60	N4
PP	90	43,20	5306-90	N4
PP	120	49,70	5306-120	N4
PP	150	58,00	5306-150	N4

Operation

Compressed air is converted to a vacuum by the injector integrated in the VakuSampler. The VakuSampler collects a multilayer sample directly into the transparent sample container made of PP. Unscrew the sample container, close and label it – it couldn't be easier.

Delivery contents

VakuSampler is supplied complete in a transport case. Consists of suction unit, 3 sample collecting containers, 5 m long compressed air hose, cleaning brush. Order suction lance of your choice.

Sample containers

The sample is collected directly in the sampling can and is taken for analysis without contamination from other materials.

Accessories

Description	Price/Unit	Article No.	
Sample containers	6,90	6202-1000	N3
Carrying case for 8 containers (see page 148)	21,00	0361-8	N3
Compressed air hose, 5 m with coupling	30,90	5306-13	N4



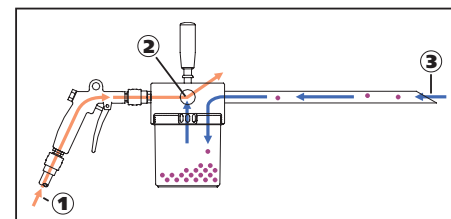
1. Insert VakuSampler



2. Vacuum draws the sample non-destructively and directly into the sampling container



3. Screw off container and label it



1. Air pressure feed (orange)
2. Vacuum is generated in device (blue)
3. Sample is sucked out (violet)

Order information

Please always order the desired suction lance with the suction unit.

PowderProof®

Mobile Powder Sampling

One instrument –
many applications

Horizontal and vertical use
with different containers

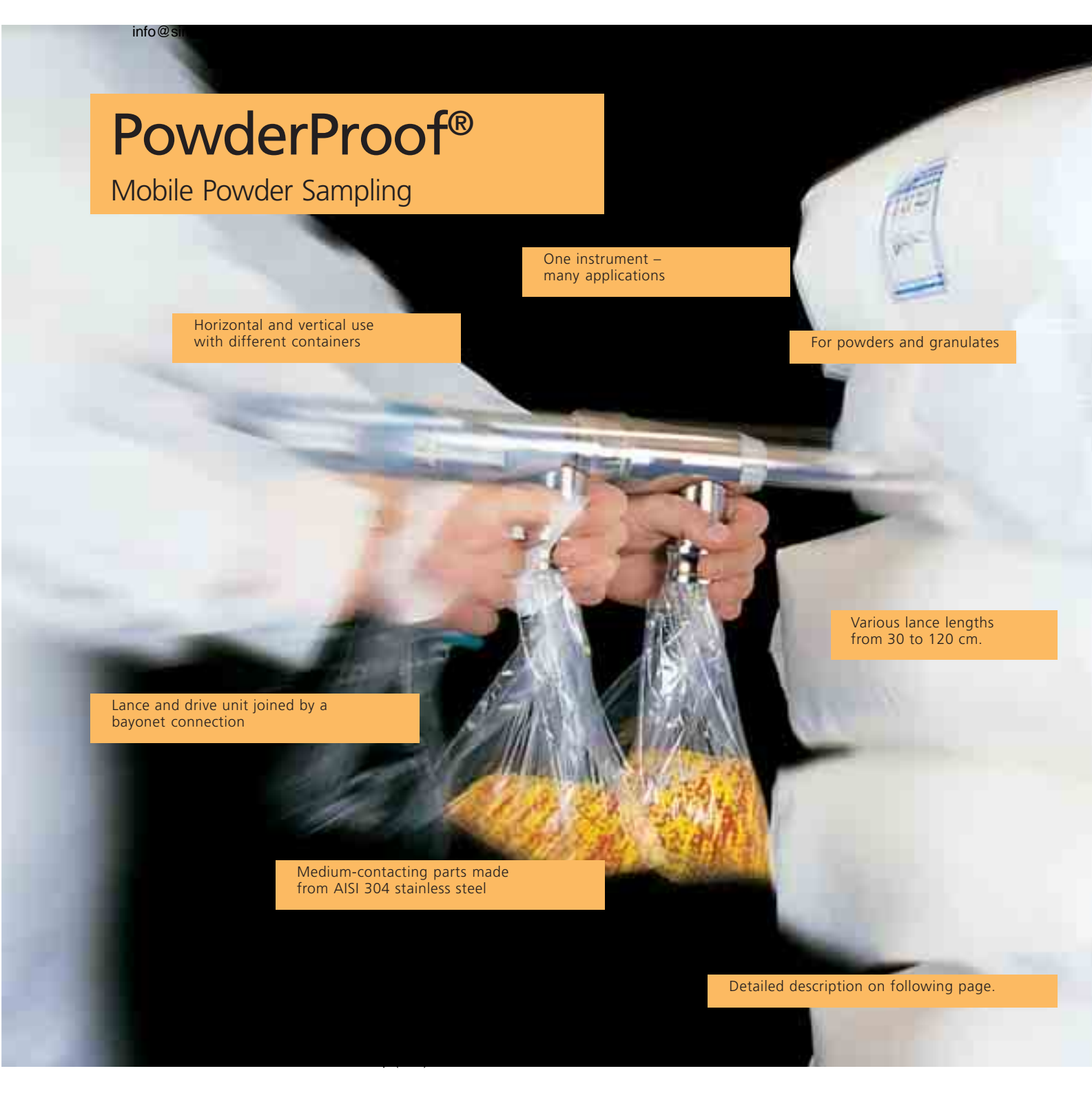
For powders and granulates

Various lance lengths
from 30 to 120 cm.

Lance and drive unit joined by a
bayonet connection

Medium-contacting parts made
from AISI 304 stainless steel

Detailed description on following page.



PowderProof®

the rapid and comfortable powder sampler



Operation

To take a sample, the lance is pushed into the sack/container with the spiral screw rotating. The powder or granules are immediately transported through the hollow lance and filled directly into a sample bag or bottle at the lance outlet. Any excess sample remaining in the lance is returned to the sack by reversing the spiral screw direction.

- 1 PowderProof with lance for horizontal use, such as sampling from sacks
- 2 PowderProof with lance for vertical use, such as sampling from open containers such as drums, tanks or Big-Bags

- All parts coming into contact with the sample are made of AISI 316 stainless steel.

Quality assurance starts with the inspection of incoming goods! A multi-layer sample of bulk goods no longer presents a problem with PowderProof®, the sampler for powders and granules.

PowderProof® is the practically proven professional solution for mobile sampling of powders and granules. Different lances and spiral screws can be attached to the robust

drive unit and exchanged without any problems. This modular design makes PowderProof® a versatile instrument for sampling powders and granules from drums, Big-Bags or sacks.

Safe and reliable sampling is made even easier with useful special accessories, such as basket-enclosed bottles, sample bags and close-it control seals.



Drive unit 9.6 volt

Consisting of drive unit with 2 x 9.6 V rechargeable batteries, transport case, quick charger 220 V with mains plug. Suitable for all lances with lengths 30 cm to 120 cm.



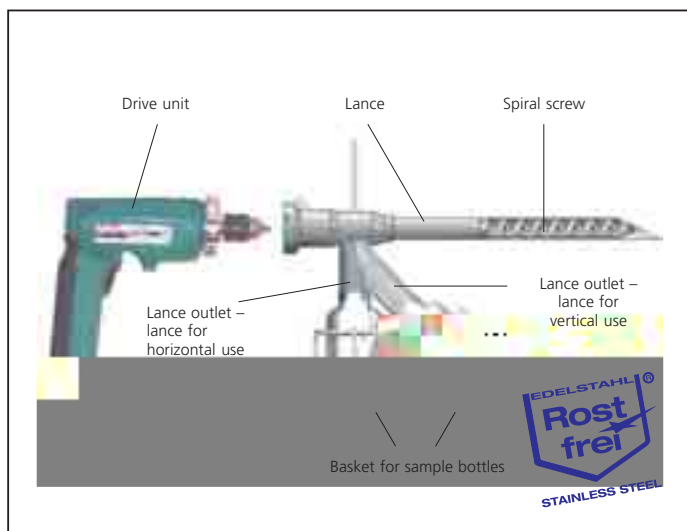
Spiral screws

Powder spiral (left) and Granule spiral (right) can be easily interchanged.



The **bayonet closure** means that cleaning the lance and spirals is even easier than before.

1. Loosen bayonet connection
2. Remove lance
3. Remove spiral – ready!



The **bottle basket** is used to attach a sample bottle to the lance.



The sample bag is attached to the lance with a **clip**.



Ordering information

PowderProof® is supplied complete with drive unit and charger, 2 rechargeable batteries and case, lance, spiral screw and cleaning brush. Powder and granule spirals of suitable lengths can be interchanged as required.

PowderProof®

with spiral screw for **powders up to 2 mm dia.**



Description	Lance	Length cm	Price/Unit	Article No.
PowderProof®	horizontal	30	1323,00	5302-300R N2
PowderProof®	vertical	60	1423,00	5302-600R N2
PowderProof®	vertical	90	1544,00	5302-900R N2
PowderProof®	vertical	120	1652,00	5302-1200R N2

PowderProof®

with spiral screw for **granules from 2 up to 4 mm dia.**



Description	Lance	Length cm	Price/Unit	Article No.
PowderProof®	horizontal	30	1323,00	5302-300G N2
PowderProof®	vertical	60	1423,00	5302-600G N2
PowderProof®	vertical	90	1490,00	5302-900G N2
PowderProof®	vertical	120	1652,00	5302-1200G N2

Spiral screws

Description	Length cm	Price/Unit	Article No.
Spiral screw for powders up to 2 mm dia.	30	194,00	5302-30R N2
Spiral screw for powders up to 2 mm dia.	60	211,00	5302-60R N2
Spiral screw for powders up to 2 mm dia.	90	232,00	5302-90R N2
Spiral screw for powders up to 2 mm dia.	120	250,00	5302-120R N2
Spiral screw for granules from 2 up to 4 mm	30	194,00	5302-30G N2
Spiral screw for granules from 2 up to 4 mm	60	211,00	5302-60G N2
Spiral screw for granules from 2 up to 4 mm	90	232,00	5302-90G N2
Spiral screw for granules from 2 up to 4 mm	120	250,00	5302-120G N2

Accessories

Description	Price/Unit	Article No.
Drive unit 9,6 Volt incl. transport case, battery charger and 2 recharg. batteries	420,00	5302-15 N2
Basket made of stainless steel, approx. 80 mm dia., fits to sample bottles 0318-500	61,00	5302-500 N2
Sample bottles made of PE 500 ml suitable for basket 5302-500	2,26	0318-500 N3
Sample collecting bags PE, 120 mm x 170 mm, 100 pcs./pack	7,50	2348-5 N3
Transport case for sampling lance	77,00	5330-1 N4
Replacement battery	101,00	5302-12 N2

Zone Samplers

for all kinds of bulk goods

4 lengths, from
55 cm to 250 cm

Ultrapure materials: AISI 316
stainless steel and PTFE

Easy to clean,
removable tip

Color coding for
Multi-sampler and Uno-sampler

For the finest powder and coarse
grains such as corn or nuts

Available as Multi-sampler,
Uno-sampler, All-layer sampler
and Jumbo sampler.

For taking samples of bulk
goods from sacks, drums,
mixing containers,
Big-Bags, silos, tanks

Zone Sampler

for all kinds of bulk goods, according to DIN 53 242
for fast cross-section samples



Zone Sampler

Three versions of the Zone Sampler are available for different sampling tasks.

1 Multi-sampler with several closed chambers for multi-samples from several predefined sample depths.

2 All-layer sampler and Jumbo sampler with open inner tube, no chambers, for cross-section samples through all layers of the sample. Simple emptying through open end of sample tube. The Jumbo sampler with a tube diameter of 50 mm is ideal for larger grain sizes and amounts.

3 Uno-sampler with one closed chamber, for a targeted sample from a specific sample depth.



Color coding

The colored push-in buttons (sterilizable) supplied as standard can be used to identify Multi-samplers and Uno-samplers to avoid mix-ups.

Bürkle Zone Samplers

are used for sampling all types of bulk goods. The great advantage of the zone sampler is that **cross-sectional samples** can be taken from all the layers of a container.

The Zone samplers can take samples from a **wide range of bulk goods**, from the finest powders up to coarse grains such as corn or nuts.

The Zone samplers are available in **4 different lengths**. 55 cm – specially suitable for sacks, 85 cm – specially for drums and mixing containers, and 150 cm and 250 cm for Big-Bags, silos and tanks. Special lengths are available on request.

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

Advantages

- Smallest possible gap between inner and outer tube
- Easy cleaning, removable tip
- Color coding (Multi- and Uno-samplers)
- Ultrapure materials: AISI 316 stainless steel/PTFE
- 4 lengths from 55 to 250 cm
- Outstanding finishing, robust execution

Operation

1. Turn handle to close chamber.
2. Push in sampler to required depth.
3. Turn handle to open chamber, sample flows into chamber.
4. Turn handle to close chamber again.
5. Pull out sampler.
6. Empty chamber onto Quali-Paper.
7. Close container opening with close-it (see pages 102ff).

seal-it® Security seal for sample containers

- Security provided by unique 7-digit control number
- Fits any bottle, can, bag, container
- Additional documentation label with same number
- Detailed information on page 116

Test instruments

Would you like to test one before making a purchase? We will be pleased to send you a test instrument on request. A small charge will be made for maintenance and cleaning work.

Zone Samplers

for all kinds of bulk goods, according to DIN 53 242
for fast cross-section samples



① **Multi-sampler made from anodized aluminum**, with closed chambers, color coding system, 25 mm dia.



② **Multi-sampler made from stainless steel 316**, with closed chambers, color coding system, 25 mm dia.



③ **Multi-sampler made from stainless steel 316/PTFE**, same execution as 5328-1 (AISI 316 Multi sampler), but lower weight with PTFE collection chambers. With color coding system, 25 mm dia. Outer tube stainless steel, collection chambers PTFE.



④ **Uno-sampler made from stainless steel 316/PTFE**, with closed chambers, color coding system, 25 mm dia. Outer tube stainless steel, collection chamber PTFE.



⑤ **All-layer sampler made from anodized aluminum**, with open inner tube and large collection volume, without chambers. 25 mm dia.

							DIN	autoclave 121°	3 years
							DIN	autoclave 121°	3 years
① Multi-sampler Aluminium, 25 mm dia.									
Total length mm	Sampling depth mm	Number of chambers	Volume chamber ml	Price/ Unit	Article No.				
550	430	3	14	142,00	5317-55		N4		
850	710	3	17	158,00	5317-85		N4		
1500	1355	5	17	204,00	5317-150		N4		
② Multi-sampler V4A (AISI 316), 25 mm dia.									
Total length mm	Sampling depth mm	Number of chambers	Volume chamber ml	Price/ Unit	Article No.				
550	430	3	14	464,00	5328-1055		N4		
850	710	3	17	497,00	5328-1085		N4		
1500	1355	5	17	629,00	5328-1150		N4		
③ Multi-sampler V4A (AISI 316)/PTFE, 25 mm dia.									
Total length mm	Sampling depth mm	Number of chambers	Volume chamber ml	Price/ Unit	Article No.				
550	430	3	14	302,00	5328-55		N4		
850	710	3	17	339,00	5328-85		N4		
1500	1355	5	17	495,00	5328-150		N4		
④ Uno-sampler V4A (AISI 316)/PTFE, 25 mm dia.									
Total length mm	Sampling depth mm	Number of chambers	Volume chamber ml	Price/ Unit	Article No.				
550	430	1	17	308,00	5329-55		N4		
850	710	1	17	345,00	5329-85		N4		
1500	1355	1	17	505,00	5329-150		N4		
⑤ All-layer-sampler Aluminium, 25 mm dia.									
Total length mm	Sampling depth mm	Number of chambers	Volume chamber ml	Price/ Unit	Article No.				
550	430	3	70	128,00	5318-55		N4		
850	710	3	130	139,00	5318-85		N4		
1500	1355	5	260	181,00	5318-150		N4		

Prices in € – Phone + 49 (0) 7621 9331-16, Fax + 49 (0) 7621 9331-31

т/ф (495) 980-29-37, 311-22-09, 319-22-78, 781-21-58



⑥ **Jumbo sampler made from anodized aluminum**, with open inner tube and large collection volume.



⑦ **Sealing sleeves in PP**, sterilizable, used to close individual chambers when filling, emptying or transporting 25 mm dia. zone samplers. The sealing sleeves are easy to slide on and automatically clip into position. Length 150 mm.



⑧ **Quali-Paper**, ideal for emptying the collected sample onto. Quali-paper is free from fibers and lint. Size 100 x 25 cm. Pack of 50 sheets.



⑨ **Cleaning brushes** for thoroughly cleaning 25 mm or 50 mm dia. zone samplers (accessory).



close-it control seals for closing punctures in sacks or Big-Bags. (see page 102ff)

⑥ **Jumbo-sampler Aluminium, 50 mm dia.**



Total length mm	Sampling depth mm	Number of chambers	Volume chamber ml	Price/ Unit	Article No.	
850	710	3	880	317,00	5319-85	N4
1500	1355	5	1700	449,00	5319-150	N4
2500	2355	7	2900	507,00	5319-250	N4

⑥ **Accessories**

Description	Price/ Unit	Article No.	
⑦ Sealing sleeves , 25 mm dia., 3 sleeves	18,80	5317-1	N4
Sealing sleeves Jumbo , 50 mm dia., 3 sleeves	24,50	5317-2	N4
⑧ Quali-Paper , 50 sheets	24,30	5317-6	N4
⑨ Tube cleaning brush , 25 mm dia. made of PVC/stainless steel			
Length 40 cm	30,90	5304-40	N4
Length 60 cm	30,90	5304-60	N4
Length 80 cm	30,90	5304-80	N4
Length 100 cm	30,90	5304-100	N4
Tube cleaning brush , 50 mm dia.			
Length 100 cm	33,90	5304-101	N4
Length 300 cm	69,00	5304-301	N4



Zone sampler Spiralus

for coarse-grained bulk goods, seeds and pellets

Tubus

the sampler for bulk goods



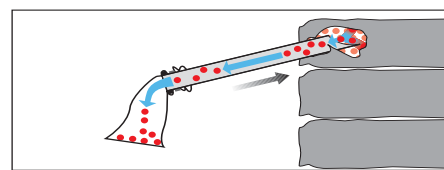
Zone sampler Spiralus

The Spiralus zone sampler ensures accurate zone sampling from all layers of the bulk goods. 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, which mean that the original broken seed fraction is not increased. Spiralus ensures an excellent all-layer sample.

- Made of anodized aluminum
- Simple cleaning
- 38 mm diameter
- Available in 2 lengths
- Low weight

Applications

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

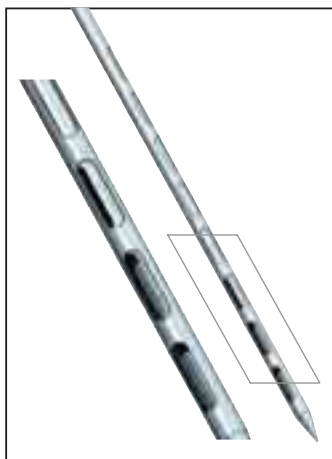


Simple, inexpensive sampler for free flowing bulk goods up to approx. 1 cm diameter. This makes it possible, for example, to remove hazel nuts, blends of tea, grain or similar items from large sacks.

Operation

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

- Choice of 2 lengths, 40 cm and 80 cm
- Also for coarse-grained bulk goods
- AISI 316 stainless steel



Zone sampler Spiralus



Total length cm	Number of Sampling slots	Weight kg	Sample volume	Price/Unit	Article No.
145	8	1,4	appr. 770 ml	321,00	5381-0145 N4
200	8	2,0	appr. 1100 ml	431,00	5381-0200 N4

Accessories

Description	Price/Unit	Article No.
Tube cleaning brush, 50 mm dia., length 100 cm	33,90	5304-101 N4

Tubus



Length cm	Dia. mm	Price/Unit	Price/Unit of (X) units	Article No.
40	40	79,00	(10) 71,00	5382-040 N4
80	40	103,00	(10) 94,00	5382-080 N4

Prices in € – Phone + 49 (0) 7621 9331-16, Fax + 49 (0) 7621 9331-31

т/ф (495) 980-29-37, 311-22-09, 319-22-78, 781-21-58

Milky

Sampling lance
according to EN ISO 707 ¹⁾







Milky

Milk powder collector made of AISI 316 stainless steel, sterilizable. Developed especially for milk powder samples, conforms to standards of DIN and IDF (Int. Dairy Federation). The collector is inserted into bags or casks and the sample is removed using a semi-circular profile lance.

- Insertion depth 385 mm, Total length 480 mm
- Outer diameter approx. 28 mm

¹⁾ DIN 10327, IDF 50C : 1995

Milky					
Sample volume ml	Price/unit	Price/Unit of (X) units	Article No.		
150	125,00	(5) 111,00	5321-1	N4	

SampleSafe seal

Secure your samples with identifiable seals



Secure your retention samples

Retention samples must be protected against adulteration and clearly identified.

Bottles with sealing eyelets

should therefore be sealed with SampleSafe seals. The seals are made from tear-resistant plastic and are provided with an additional marking field. The 7-digit serial number identifies the seals unambiguously.

The seal thread diameter is 2 mm so that SampleSafe seals can also be used with small eyelets and slits.

When the seal thread is passed through the opening in the seal a stainless steel safety spring protects it against manipulation.

- Unambiguous identification by embossed 7-digit number.
- 10 seals per strip, numbered in sequence.
- 100 seals (10 strips) per pack/box.
- Thread 2 mm dia., suitable for small eyelets and slits.
- Protection against manipulation by stainless steel safety spring.
- Standard color is red, other colors on request.



Bottles which can be sealed are shown on pages 132, 146 and 164

SampleSafe seals with consecutive numbers
supplied in strips of 10 seals

Thread length mm	Thread diameter mm	Colour	Price/1 pack (100 seals)	Price/10 Grids (1000 seals)	Article No.
290	2	red	57,00	54,00	5399-2902 N2

*1 pack contains 10 strips of 10 seals each.

seal-it

Security seal for retention samples and tamper-proof packs



seal-it – the seal label for all conventional containers, original label size 178 mm x 30 mm

Retention samples are kept to provide a sample for comparison at a later date. The unambiguous proof that the retention sample is identical with 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 an automobile vignette.

seal-it can be used so securely seal bottles, sample bags, sacks, specimen bags, envelopes, etc. – in principle any type of container. The brilliant red color signals the importance of the seal. The aluminum foil adapts seal-it to any container shape.

The white marking field on seal-it can be written on with all conventional writing tools with, for example, type of sample, sampling date, name of operator, etc.

- Security by unambiguous identification with 7-digit consecutive number
- Additional control label with same number for documentation
- 500 seal-it labels per roll numbered in sequence
- label 178 mm long, 30 mm wide
- Tear-off perforation for each label



seal-it is unambiguously identified by a unique, 7-digit number. This number is printed on both the seal label and on an additional control label that can be stuck to the accompanying documents.



seal-it Etiketten

Roll with 500 labels, 7-digit consecutive number, numbered in sequence

Length mm	With mm	Colour	Price/Roll 1 roll (500 labels)	Price/Roll 5 rolls (2500 labels)	Article No.
178	30	red	107,00	103,00	5399-03 N4

Eagle

Probe for safely sampling bulk goods in silos, bunkers and stock piles



Eagle

It is often very difficult to take a sample from a partly filled silo. Sampling with a beaker on the end of a long rod is not only wearisome and time consuming, it is sometimes impossible to obtain a sample.

Eagle works semi-automatically and can be used down to a depth of 10 m without any problems. The support legs are folded up so that Eagle can access the silo contents through openings that are only 150 x 150 mm.

- For large silos
- Depth down to 10 m
- Semi-automatic
- Sample chamber volume 1.0 l
- Min. opening size 15 x 15 cm
- Weight 7.0 kg
- 90 cm long, 120 cm dia. (unfolded)
- 12 V DC / rechargeable battery

Operation

Eagle is lowered into the silo by cable – down to depth of 10 m. As soon as Eagle reaches the sampling location it automatically bores into the sample to a depth of 50 cm and collects about 1.0 l sample.

With its cutters on the bottom of the sample chamber, Eagle can penetrate even crusted surfaces without any problems. The scrapers on the side of the sample chamber allow samples to be taken from caked products (e.g. washing powders, flour, etc.).

Once the sample depth has been reached, the sample chamber is closed automatically and Eagle can be removed again.

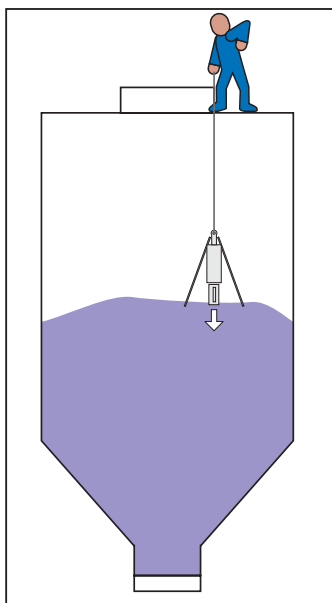
After sampling, the sample container can be removed easily and emptied.



The easily dismantlable collection chamber.



Empty the collection chamber.



Sampling down to a depth of 10 m.



Eagle collects the sample.



Eagle was developed together with an international detergents company in Düsseldorf in order to be able to take samples from large silos and bunkers in a simpler, quicker and more professional manner.

Eagle



Description

Semi-automatic sampler for bulk goods complete with 10 m cable, battery and charger

Price/
Unit

1544,00

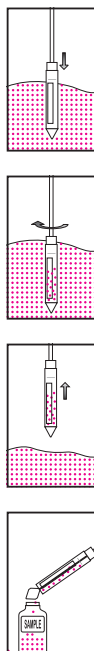
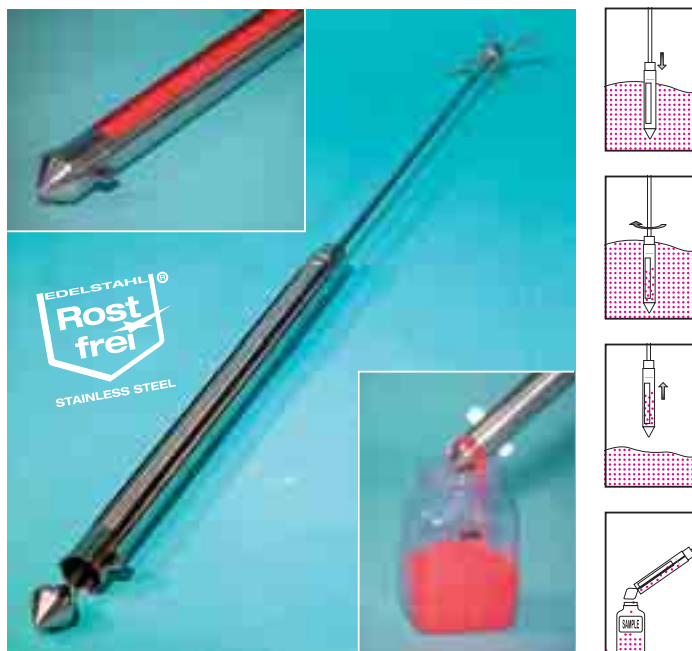
Article No.

5300-01 N2

EasySampler

for sampling a wide range of bulk materials

All-layer Scratcher



New type of sampler for taking numerous samples from all types of bulk materials 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.

- Completely made from AISI 316 stainless steel
- For free-flowing bulk materials
- For sampling openings from 52 mm dia.
- Sample chamber length 500 mm



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

EasySampler				
Tube dia. mm	Total length mm	Capacity ml	Price/Unit	Article No.
32	1045	200	391,00	5360-1 N2



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.

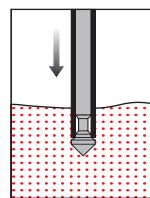
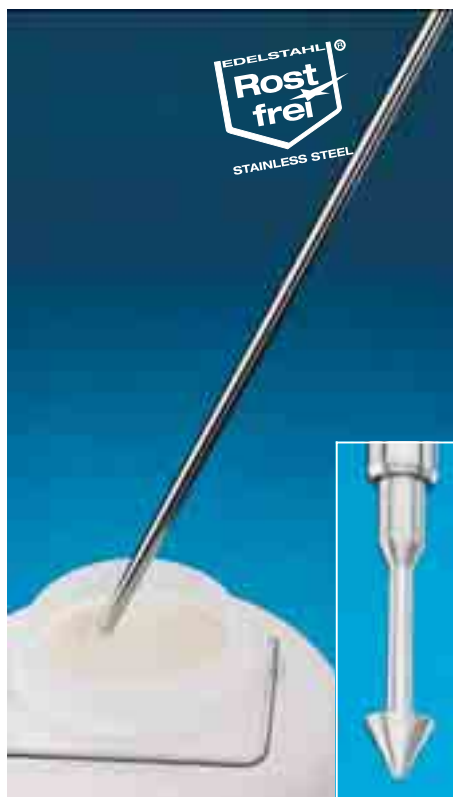
- For caked bulk materials
- Variable zones thanks to sliding PTFE separators
- Made from AISI 316 stainless steel and PTFE
- Length 1000mm, diameter 25mm

Scratcher with inner tube			
Dia. mm	Length mm	Price/Unit	Article No.
25	1000	289,00	5351-1000 N2
Cleaning brush		30,90	5304-100 N4

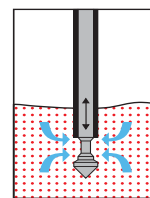


MicroSampler

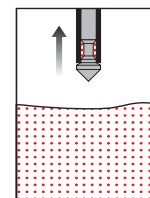
useful for taking small samples, sterilizable



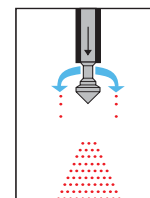
1. Pushing in lance



2. Opening head



3. Close head, pull back lance



4. Emptying MicroSampler

The **MicroSampler** is specially designed for removal of the smallest quantities of powders.

Sample quantities of 0.2 ml, 0.5 ml, 1.0 ml, 2.0 ml, 5.0 ml and 10 ml can be taken at varying depths from sacks or containers in a clean, fast and simple way.

The head of the MicroSampler is interchangeable. This enables heads with different volumes to be used.

- Exact sampling point can be chosen
- Different volumes and lengths available
- Conforms to GMP/FDA
- Head removable, easy cleaning
- Made of AISI 316 stainless steel
- Special volumes available

Operation

1. Insert MicroSampler into powder.
2. Open the volume head at the target spot by pushing the buttons; the sample flows in.
3. Close the volume head; the sample is collected.
4. Withdraw the lance, open the volume head again, and remove the sample.

Please order lance and head separately!



MicroSampler, 12.5 mm dia., without head

Length cm	Tube- diameter mm	Price/ Unit	Article No.	
55	12,5	173,00	5307-1055	N4
85	12,5	192,00	5307-1085	N4
120	12,5	209,00	5307-10120	N4

MicroSampler, 25 mm dia., without head

55	25	225,00	5307-2555	N4
85	25	243,00	5307-2585	N4
120	25	259,00	5307-25120	N4

Heads

fit MicroSampler with 12.5 mm dia.

Tube- diameter mm	Volume ml	Price/ Unit	Article No.	
12,5	0,2	52,00	5307-2	N4
12,5	0,5	52,00	5307-5	N4
12,5	1,0	52,00	5307-10	N4

Heads

fit MicroSampler with 25 mm dia.

25	2,0	71,00	5307-20	N4
25	5,0	71,00	5307-50	N4
25	10,0	71,00	5307-100	N4



Do you need heads with special volumes?

We'd be glad to help you.

Please inquire!

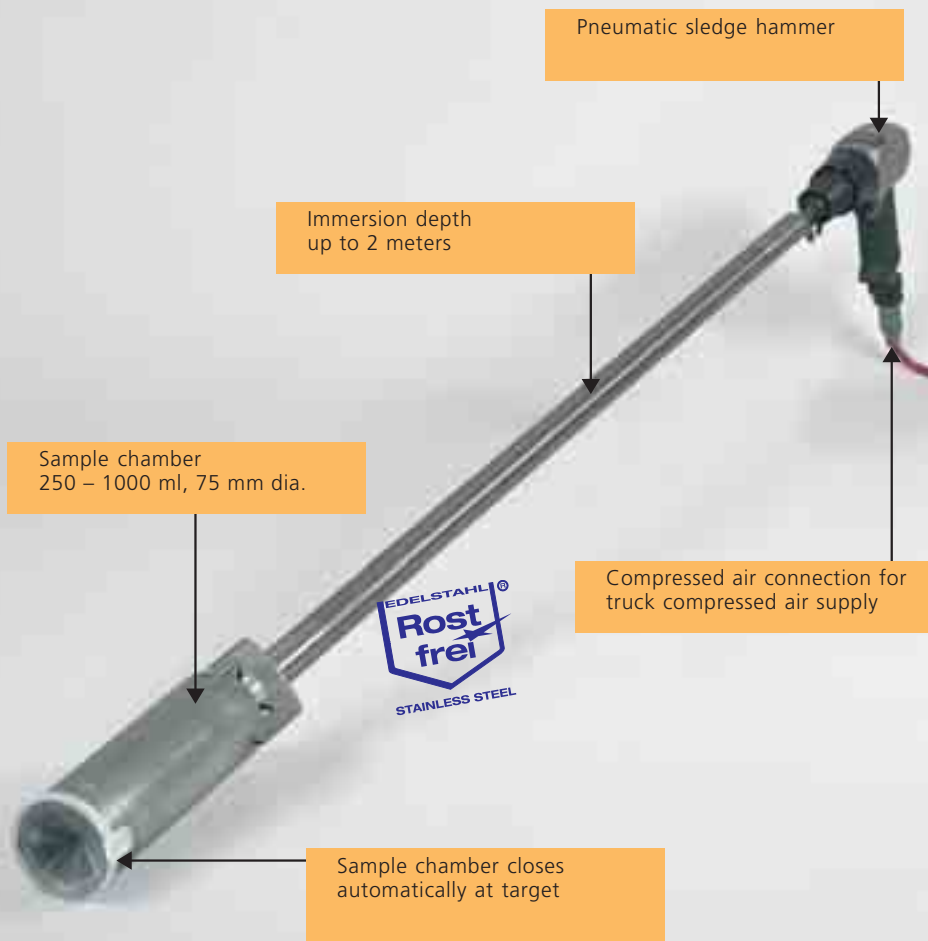
close-it Quality Control
Contrôle Qualité
Qualitäts-Kontrolle

Datum/Date Name/Nom

close-it

Control seal
ensures the tight
sealing of
punctured sacks/
Bags.

PowerSampler



PowerSampler

Through thick and thin with compressed air



The collection lance can be removed from the pneumatic drive unit with a single action.



How the sample cap works:
closed opened open close closed

Taking samples from high-density bulk goods requires a lot of time and energy. This means that manual samplers are not always ideal. The compressed air powered PowerSampler closes this gap in an optimal way. Like a compressed air sledge hammer, it drives itself into the bulk goods. This means that the operator can fully concentrate on the correct sampling process, instead of being distracted by the sweaty work. Depths down to 2 m are no problem for the PowerSampler.

The sample continuously flows through the chamber lock at the end of the sample chamber. When the target has been reached, a representative cross-section is present in the sample chamber, which then closes automatically.

The PowerSampler can be used for both pourable and caked bulk goods:

Cement can be sampled just as easily as moist sand, flour or loose plastic granules. Ideal for silo vehicles, mixing containers, BigBags in the construction industry, chemicals, pharmaceuticals and in the food and semi-luxury industries.

The compressed air supply for the PowerSampler is taken from the in-house supply or the truck's own compressed air supply. The required pressure is 6 bar.

The sample inlet caps are replaced after each use. The AISI 304 stainless steel collection lance can be quickly removed from the compressed air hammer.

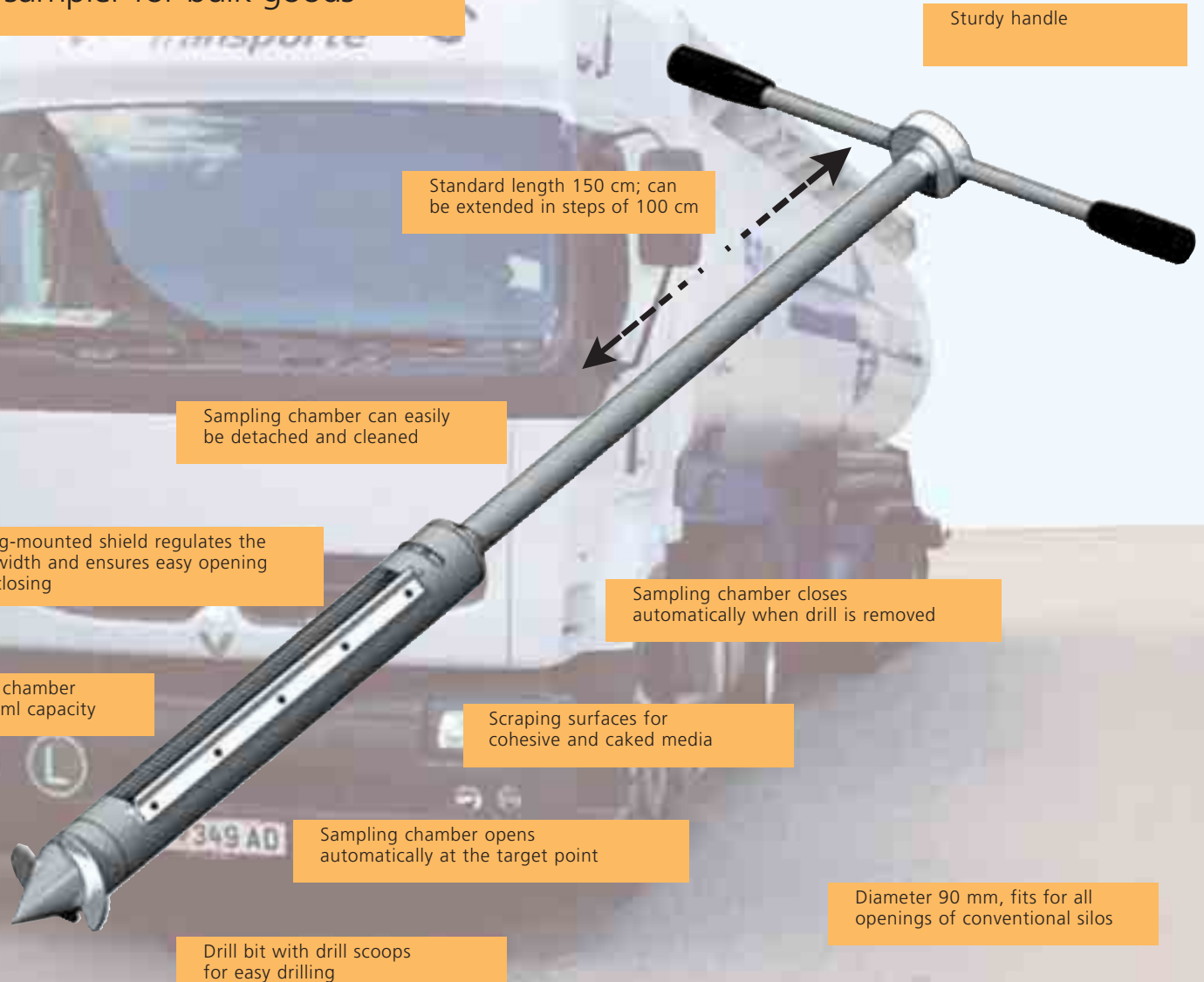
Sample chamber capacities available are 250 ml, 500 ml and 1000 ml, their diameter is 75 mm.

Standard equipment includes 10 m compressed air line and 25 sample chambers.

PowerSampler				autoclave 121°
Description	Length cm	Max. chamber capacity ml	Price/ unit	Article no.
PowerSampler complete	100	250	777,00	5395-0250 N4
PowerSampler complete	100	500	792,00	5395-0500 N4
PowerSampler complete	100	1000	808,00	5395-1000 N4
PowerSampler complete	200	250	792,00	5395-2250 N4
PowerSampler complete	200	500	808,00	5395-2500 N4
PowerSampler complete	200	1000	823,00	5395-2000 N4
Sample chambers PP, pack of 25 pieces			10,00	5395-0010 N4
Lance with sample chamber	100	250	395,00	5395-0251 N4
Lance with sample chamber	100	500	419,00	5395-0501 N4
Lance with sample chamber	100	1000	395,00	5395-1001 N4
Lance with sample chamber	200	250	419,00	5395-2251 N4
Lance with sample chamber	200	500	439,00	5395-2501 N4
Lance with sample chamber	200	1000	419,00	5395-2001 N4
Transport case (for PowerSampler 5395-1000)			77,00	5330-1 N4

SiloDrill

the sampler for bulk goods



Sturdy handle

Standard length 150 cm; can be extended in steps of 100 cm

Sampling chamber can easily be detached and cleaned

Spring-mounted shield regulates the gap width and ensures easy opening and closing

Sampling chamber closes automatically when drill is removed

Sampling chamber with 400 ml capacity

Scraping surfaces for cohesive and caked media

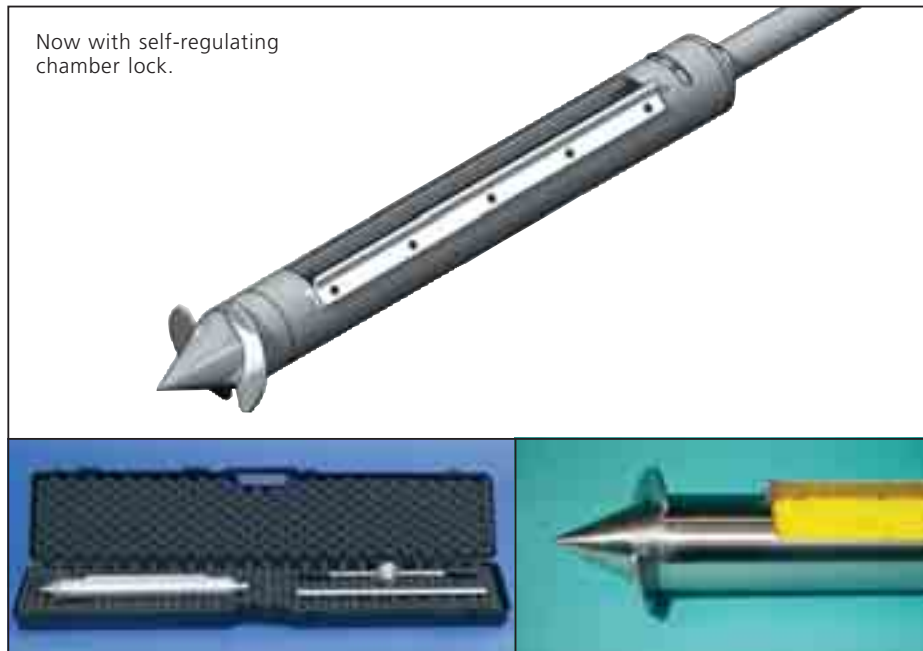
Sampling chamber opens automatically at the target point

Diameter 90 mm, fits for all openings of conventional silos

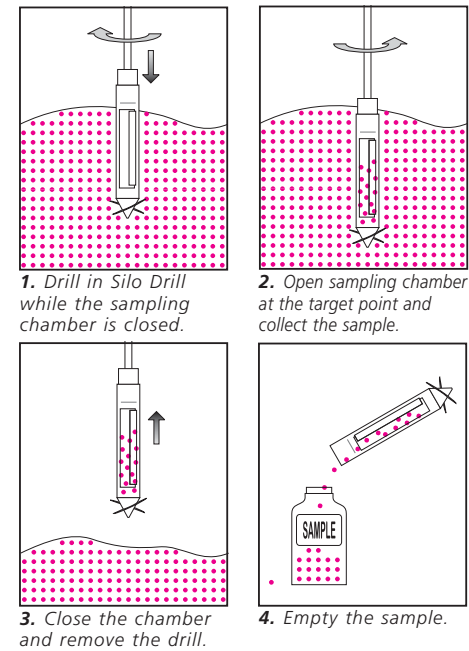
Drill bit with drill scoops for easy drilling

SiloDrill

for silo sampling



Now with self-regulating chamber lock.



SiloDrill

Specially developed for taking samples from silo vehicles. If bulk goods are transported over long distances (in trucks, freight cars), separation may occur. If a sample is then taken from the surface only it will not be representative. The SiloDrill can take samples from deeper layers.

- Simple handling

Operation

The SiloDrill is screwed manually into the bulk material and only opened when the required sampling depth has been reached. Extension rods are available for depths down to 2.5 m.

The SiloDrill is not only suitable for silo vehicles, it can also be used in a similar manner in various bulk material containers in the pharmaceutical, chemical, foodstuffs and semi-luxury goods sectors, etc.

SiloDrill

Total length mm	Spirals dia. mm	Screw-blade dia. mm	Capacity ml	Price/unit	Article No.
1500	90	40	400	350,00	5301-01 N4
Accessories					
Extension rod 100 cm				55,00	5301-10 N4
Transport case				77,00	5330-1 N4



Challenge us!

We provide our know-how for helping to solve your problems.



"Take samples – but do it right!"

We employ this motto both in advising customers and in product development.

We also only develop new products in close cooperation with our users as a matter of course:

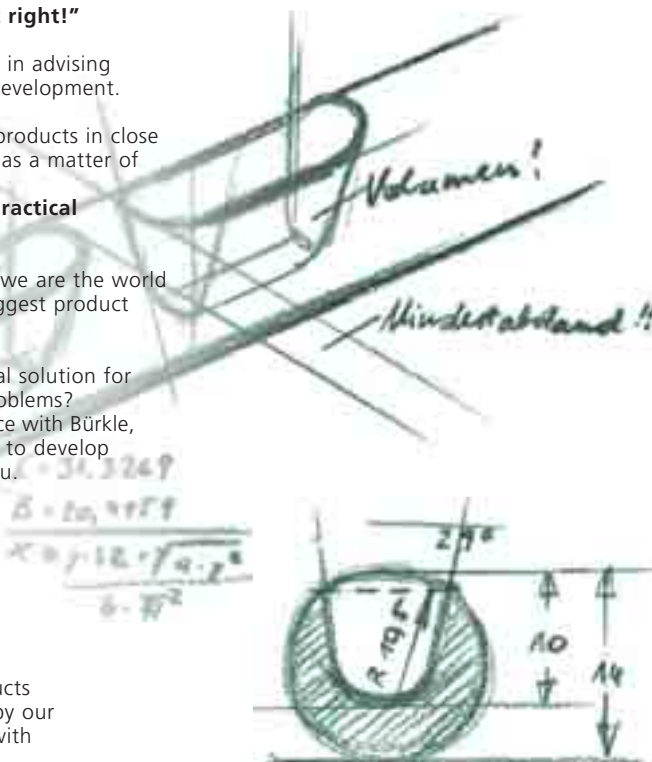
from practical work for practical applications.

This is also the reason why we are the world leader and can offer the biggest product range of manual samplers.

Are you looking for a special solution for your individual sampling problems? Then you're at the right place with Bürkle, because we would be happy to develop customized solutions for you.



This symbol indicates products that have been suggested by our customers and developed with their cooperation.



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, electro-polished if possible
- AISI 316 stainless steel or PTFE materials
- Sterilizable
- Easy and perfect cleaning

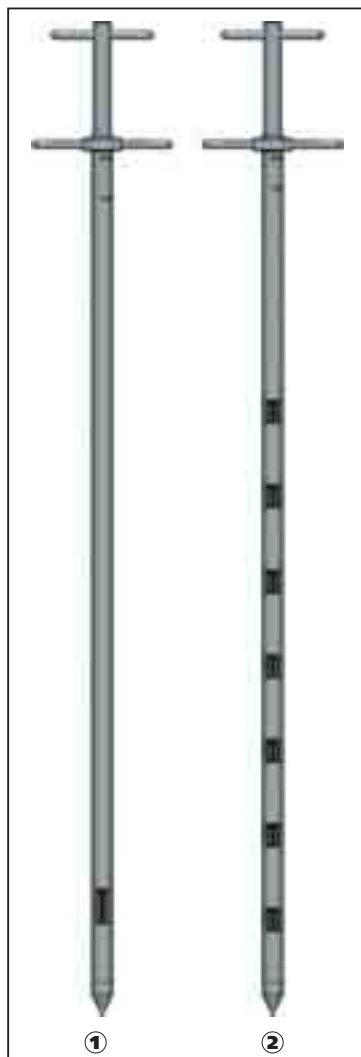
Many **Bürkle Samplers** fulfill these demands, have been tested in actual practice, and are distinguished by especially sturdy and precise machining.

UDS Samplers

- For various sampling depths with simultaneous double sample (Duo-Sampler).
- Precise volume calibration with 40 exchangeable sample inserts with volumes from 0.1 ml to 4.0 ml, in increments of 0.1 ml.

Novartos

The pharmaceutical zone sampler manufactured according to FDA guidelines for unit-dose sampling



Double-sample possible without moving the lance in the bulk material



Computer-optimized geometry



Laser-engraved depth scale



- It is now possible to withdraw a double-sample without moving the lance in the bulk material. This goes a long way towards preventing demixing.
- Easy cleaning is an essential component of **Novartos**.
- Complete filling and emptying of sample chambers has been improved substantially using computer-optimized geometry.
- There are almost no crevices or dead spaces where sampling residues can collect.
- The precise-fitting sampling sets are easily replaceable and available in 0.1 ml increments in volumes from 0.0 to 4.0 ml.
- Two models are available:
 - **Novartos Uno** is designed for targeted sampling from containers starting from approx. 200 l contents.
 - **Novartos Multi** is used for cross-section sampling from drums with less than 200 l contents.
- The wall strength of the lance has been increased to prevent deformations.
- A laser-engraved depth scale on the lance shaft provides precise information about the insertion depth.
- AISI 316 stainless steel.



Novartos was developed in co-operation with a globally operating pharmaceuticals and chemicals corporation located in Basel, Switzerland.

① Novartos Uno without inserts 2 chambers; 1 zone			
Length lances mm	Price/Unit	Article No.	
1400	871,00	5358-1400	N4
1000	871,00	5358-1001	N4
600	849,00	5358-600	N4

C Sampling inserts for Novartos Uno			
Volume ml	Price/Unit	Article No.	
0,5	67,00	5358-U05	N4
1,0	67,00	5358-U10	N4
1,5	67,00	5358-U15	N4
2,0	67,00	5358-U20	N4
2,5	67,00	5358-U25	N4
3,0	67,00	5358-U30	N4
3,5	67,00	5358-U35	N4
4,0	67,00	5358-U40	N4

② Novartos Multi without inserts 14 chambers; 7 zones			
Length lances mm	Price/Unit	Article No.	
1000	1169,00	5358-1000	N4

C Sampling inserts for Novartos Multi			
Volume ml	Price/Unit	Article No.	
0,5	67,00	5358-M05	N4
1,0	67,00	5358-M10	N4
1,5	67,00	5358-M15	N4
2,0	67,00	5358-M20	N4

C Transport case			
	Price/Unit	Article No.	
	77,00	5330-1	N4

SiloPicker

Sampling of bulk goods from great depths

Scratcher

Sampler for cohesive, non-flowing, caking substances

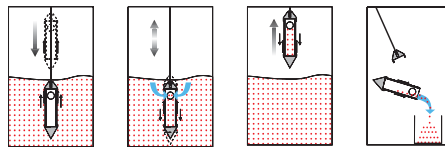


The **SiloPicker** makes it possible to take samples of bulk goods at depths up to 3.5 meters. The insert depth depends on the density of the bulk goods. Standard length = 1 m.

- oval filling opening 16 x 26 mm

Operation:

Insert SiloPicker into the bulk goods. When this is done, the closure thimble automatically closes the collection container. When the sampling depth has been reached, the sampling container is filled. Pull out SiloPicker and empty it.



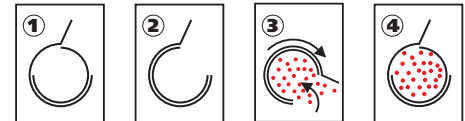
Scratcher

has been developed especially for sampling of cohesive, caking, non-flowing substances.

- AISI 316 stainless steel
- Elektropolished
- Total length 1000 mm

Operation

- ① Screw Scratcher into bulk material with chamber closed.
- ② Rotate the inner chamber open.
- ③ Turn Scratcher through 360° in bulk material; the scraper transfers the caked material into the sample chamber.
- ④ Close sample chamber and remove Scratcher.

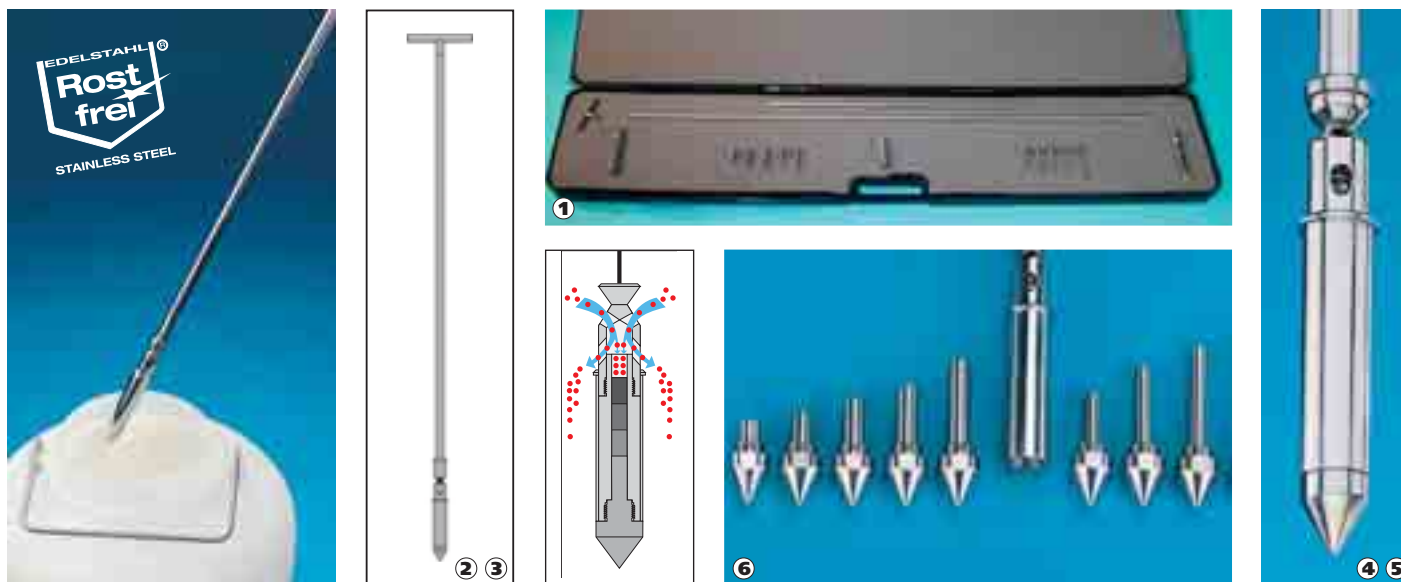


SiloPicker, complete					
Container volume ml	Container diameter mm	Rod length mm	Price/Unit	Price/Unit of (X) units	Article No.
100	46	1000	286,00	(5) 257,00	5340-100 N4
Extension rod 50 cm			39,30	(5) 35,70	5380-50 N4
Extension rod 100 cm			45,60	(5) 41,10	5380-100 N4
Handle			46,30	(5) 42,60	5380-2 N4
Sample container 100 ml			193,00	(5) 174,00	5340-101 N4
Transport case			77,00	(10) 74,00	5330-1 N4

Scratcher					
Description	Container volume ml	Chamber (a) mm	Scoop diameter mm	Price/Unit	Article No.
Scratcher 5	5	22	25	448,00	5347-0005 N2
Scratcher 10	10	45	25	448,00	5347-0010 N2
Scratcher 25	25	110	25	448,00	5347-0025 N2

PharmaPicker

for sampling very small quantities



PharmaPicker

developed specially for sampling very small quantities of highly potent, expensive or active powders. Different tip container volumes from 0.1 ml to 2.5 ml (see table) can be replaced simply and quickly. PharmaPicker is made of AISI 316 stainless steel and is electropolished, thereby complying to GMP guidelines. All parts can be easily cleaned and disassembled.

- according to the tip container volume, the precisely determined volume is collected
- depths down to 3.5 m can be reached using the extension rod

PharmaPicker Case

Complete set in a case: 1 handle, 1 extension rod (each 50 cm and 100 cm), 2 collection cylinders and 10 tip container volumes (please indicate desired container volume!), stored cleanly in a stable transport case.

Operation

1. Insert PharmaPicker. The disk thimble closes the collection cylinder automatically.
2. The disk thimble opens the collection cylinder at the proper point, and the desired sample is collected.
3. Withdraw PharmaPicker.
4. Empty the sample directly from the collection cylinder into the analysis container.

PharmaPicker					
	Volume tip	Length mm	Price/Unit	Article No.	
①	PharmaPicker Case, completely (as described above)		1312,00	5346-10	N2
②	PharmaPicker 1 with collection cylinder for 0.10 - 1.00 ml ¹⁾		269,00	5346-1	N2
③	PharmaPicker 2 with collection cylinder for 1.25 - 2.50 ml ¹⁾		269,00	5346-2	N2
	Extension rod 50 cm		39,30	5380-56	N4
	Extension rod 100 cm		45,60	5380-106	N4
	Handle		46,30	5380-3	N
④	Collection cylinder for container volume 0.10 - 1.25 ml ¹⁾		174,00	5346-200	N2
⑤	Collection cylinder for container volume 1.25 - 2.50 ml ¹⁾		166,00	5346-201	N2

¹⁾ please indicate the desired tip container volume; see table at right

⑥ Tip container volumes

for PharmaPicker 5346-1
0.1 ml 0.2 ml 0.3 ml 0.4 ml 0.5 ml 0.6 ml 0.7 ml
0.8 ml 0.9 ml 1.0 ml
for PharmaPicker 5346-2
1.25 ml 1.5 ml 1.75 ml 2.0 ml 2.25 ml 2.5 ml

Article no.

5346- + Volume

Ordering example

Volume	Price/Unit	Article No.	
0,1 ml (up to 0.1 ml)	53,00	5346-01	N2
1,25 ml (up to 1.25 ml)	53,00	5346-125	N2

StickProof

made of AISI 316 stainless steel

PharmaSpoon


for ultrapure sampling of active ingredients



StickProof sampler for powders in the pharmaceutical industry, made of AISI 316 stainless steel. The especially slender tip can be inserted easily and deeply. The conical inlet of the tip lets you collect 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. Fasten the bag with a sturdy clamp.

- Hand grip diameter 25 mm
- Borehole diameter 20 mm; chamber length 120 mm
- Surface electropolished
- Variable sample quantity up to 50 ml



 You can find appropriate sample bags for the StickProof on page 162.



PharmaSpoon

Special materials with excellent surface quantities must be used for sampling powdery substances, intermediate products and raw materials in the pharmaceutical industry to prevent cross-contamination. Our PharmaSpoon fulfills these requirements completely. Made of AISI 316 stainless steel, surface polished to a high gloss by hand (not electropolished!). The excellent surface qualities of the PharmaSpoon provides four decisive advantages:

- Residue collection is made much more difficult
- Residues are even visible in the trace sector (μg sector)
- The surface is easy to clean (no use of strong acids or caustic solutions necessary)
- The PharmaSpoon is also suitable for sterile sampling



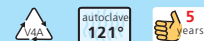
The PharmaSpoon was developed by an internationally known pharmaceutical company in Basel, Switzerland, and its usefulness has been confirmed in actual practice.

StickProof, complete with clamp and 100 pcs sampling bags 120 x 170 mm



Length mm	Price/Unit	Price/Unit of (X) units	Article No.
410	225,00	(5) 203,00	5338-1 N4
1100	271,00	(5) 244,00	5338-2 N4
Special lengths on request: 500 to 900 mm	284,00	(5) 256,00	5338-3 N4

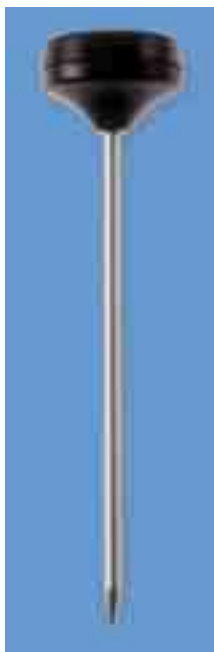
PharmaSpoon



Capacity ml	Diameter mm	Price/unit	Article No.
500	595	294,00	5324-1 N2

Mini-Therm 1

inexpensive, handy, multipurpose



Thermo-Hygrometer

for continuous measurement of humidity, dew point and temperature



Precise alarm hygrometer with an accuracy of $\pm 2\%$ RH and LED alarm function to reliably report out-of-limits conditions via the built-in LED. Simple monitoring of the atmosphere and dew point in laboratories, warehouses, clean rooms, museums, greenhouses, etc. The hygrometer can be bench-mounted or suspended.

- With dew point calculation and max./min. value display
- Humidity sensor insensitive to condensation
- LED alarm device for programming max./min. values from 2 ... 98% RH
- Measuring ranges
 - +2 ... +98% RH
 - 10 ... +70 °C
 - 40 ... +70 °C dew point
- Accuracy
 - $\pm 2\%$ RH (+2 ... +98% RH) ± 1 digit
- Measuring frequency 18s
- Resolution 0.1% RH (0 ... +100 °C)
- Operating temperature -10 ... +70 °C
- With block battery 9V
- Service life 8.736h

Mini-Max-Therm

the alarm thermometer



Mini-Therm 1

This immersion/penetration thermometer is suitable for measuring the temperature in gases, soft or powdery substances and liquids.

- Measurement range -50 °C to +150 °C
- Precision
 - $\pm 1^\circ\text{C}$ (-10 °C to +100 °C)
 - $\pm 2^\circ\text{C}$ (-50 °C to -10 °C)
 - $\pm 2\%$ of value (+100 °C to +150 °C)
- Simple and fast battery change
- Sensor directly in the measurement tip

Mini-Therm 1 including battery



Length mm	Diameter mm	Price/Unit	Article No.
120	4	24,00	5384-1 N2

Thermo-Hygrometer including battery

Price/Unit	Article No.
145,00	5384-7 N2

Mini-Max-Therm

Small in size, large in power. The insertion sensor is connected by an 80 cm long cable to the device. The thermometer is suitable for recording the temperature in gases, soft or powdery substances and liquids.

- Measurement range -50 °C to +150 °C
- Precision $\pm 1^\circ\text{C}$ (-10 °C to +100 °C) $\pm 2^\circ\text{C}$ (rest-of range)
- Adjustable min/max alarm
- Simple and fast battery change
- Measurement tip: length 105 mm, diameter 3 mm

Mini-Max-Therm including battery



Sensor mm	Price/Unit	Article No.
190	60,00	5384-4 N2

Mini-Infrared Thermometer

Precision in pocket form



For measurements of delivered goods and for checking freezers, e.g. in supermarkets. Also optimal for quick measurements in the food industry and the home.

- Small and handy (80 mm), fits in every jacket pocket
- High accuracy in the critical range for the food industry
- Waterproof and robust with dish washer-proof protective sleeve
- Minimum and maximum value display
- Scan mode for continuous measurement

- Measuring range -25 to +250 °C
- Accuracy ± 1 Digit
 ± 3 °C (-25 to -21 °C)
 ± 2 °C (-20 to -2,1 °C)
 ± 1 °C (-2 to +40 °C)
 $\pm 1,5$ °C (+40 to +150 °C)
 $\pm 2\%$ of measured value (+150,1 to +250 °C)
- Resolution 0,1 °C (-9,9 bis +199 °C), 1 °C (remaining measuring range)

- Working temperature 0 to +50 °C
- Battery type 1x Lithium type CR 2032
- Battery life 40 h (typical)
- Dimensions 80 x 31 x 19 mm
- Weight 28 g

Mini-Infrared Thermometer complete with TopSafe and battery

NEW

Price/unit	Article No.
105,90	5384-8 N2

GeoSampler, Puerkhauer



Soil sampling for professionals

NEW – now made from stainless steel with titanium parts

GeoSampler

High-precision sampler for light soils, meadows and lawns. The foot bar of model 5006 makes work much easier.

- Depth scale with 10 cm divisions



	GeoSampler 5006 with foot bar	GeoSampler 5003 without foot bar
Total length	810 mm	600 mm
Groove length	300 mm	300 mm
Outer dia.	20 mm	17,2 mm
Inner dia. groove	14 mm	12,6 mm
Weight	1.5 kg	0.55 kg
Material	Stainless steel	Stainless steel
Price/Unit	78,00	61,00
Article No.	5345-5006 N2	5345-5003 N2



Puerkhauer

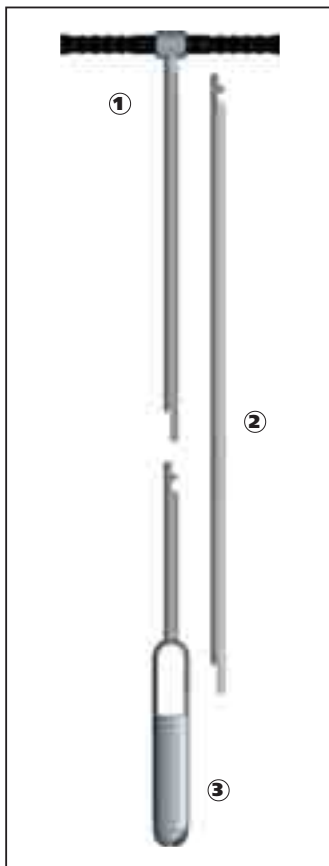
Very robust sampler for heavy and stony soils. Model 5018 has a conically tapered 60 cm tip which makes it much easier to extract the driven-in sampler. Ideal for N-min sampling 0 – 90 cm (mineral nitrogen determination).

- Depth scale with 10 cm divisions
- Attachable handle, with non-slip rubber grips
- Reinforced impact head

	GeoSampler 5012	GeoSampler 5018
Total length	810 mm	1175 mm
Groove length	600 mm	1000 mm
Outer dia. top	20 mm	28 mm
Outer dia. bottom	20 mm	25 mm
Inner dia. groove	13 mm	18 mm
Weight	2.4 kg	3.8 kg
Material	Stainless steel	Stainless steel
Price/Unit	194,00	440,00
Article No.	5345-5012 N2	5345-5018 N2

Mole

the professional ground sampler



Mole

Top-class professional instrument. Very robust model with specially hardened forged drill bits. Ideal for determining soil properties, moisture, structure.

The shape of the Mole drill bits ensures minimum friction when drilling and removing the Mole. This reduces physical effort to a minimum.

The Mole has three components. Handle with 75 cm rod, extension rod 100 cm 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.



The seven drill bits

A. Clay and wet soils

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.

B. Sand

with broad side panels and therefore a large retention capacity for the sand.

C. 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.

D. Combination

retains both strongly cohesive and less cohesive soils.

E. Riverside

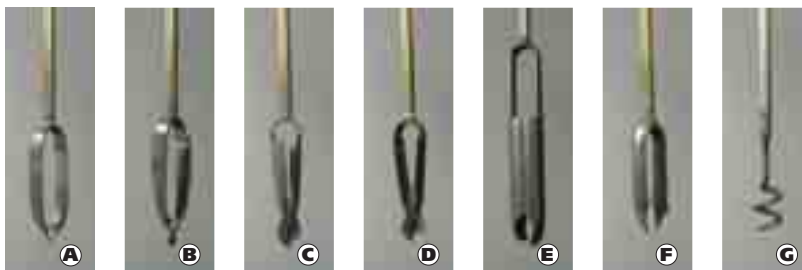
very suitable for use in hard, encrusted soils and soils mixed with fine gravel. The drill cutters project from the drill itself, so that friction is greatly reduced.

F. Gravel drill

with slightly rounded, oblique cutters which pull themselves downward in the gravel. Any pebbles present are clamped between the drill sides, finer soil material (coarse sand with fine gravel) is retained in the drill bit.

G. Stone catcher

the stone catcher is used to collect and remove stones that prevent proper sampling with one of the other drill bits.



Clay and wet soils

Sand

Coarse sand

Combination

Riverside

Gravel drill

Stone catcher

Mole, handle and extension rod



Article	Length cm	Price/Unit	Article No.	
① Handle with rod	75	125,00	5350-005	N4
② Extension rod	100	61,00	5350-010	N4

③ Drill bits

Ⓐ Clay and wet soils	86,00	5350-015	N4
Ⓑ Sand	103,00	5350-020	N4
Ⓒ Coarse sand	140,00	5350-025	N4
Ⓓ Combination	98,00	5350-030	N4
Ⓔ Riverside	103,00	5350-035	N4
Ⓕ Gravel drill	118,00	5350-040	N4
Ⓖ Stone catcher	113,00	5350-045	N4

Ⓒ Transport case	77,00	5330-1	N4
with sufficient space for handle with 75 cm rod, 100 cm extension rods, 6 drill bits and stone catcher			

Sampling Containers

for clean and safe transport
from sampling to analysis

Detailed description see also product group
"Packaging Materials", pages 136 to 169.



Sample tubes PP, white
with screw cap. Nicely designed
packaging can. Crevice-free
interior for completely emptying.

- 8 sizes
- Sterilizable



Sealable Wide-necked bottles
Stable bottle with sealing eyelets
on screw cap and bottle. Particu-
larly suitable for mailing samples.
Seals provide increased sample
authenticity. Wide opening, easy
to fill. Suitable for viscous liquids,
powders, granules and pastes.

- Made of HDPE
- Leakproof
- Wide opening for easy filling



Sample tubes PP, aseptic
with patented closure, ideal for
one-handed use. The lid hinge
angle is 90°. Closure 100% leak-
proof. No undercuts, so easy to
fill and empty without residues.

- PP, transparent
- Aseptic
- Autoclavable
- With marking field and scale
(60 ml and 300 ml sizes)



Sample tubes PFA
with screw cap. Ideal for sampling
and transport. For powder, pastes,
liquids. Crevice-free interior for
complete emptying.

- Tubes made of ultrapure PFA
- Sterilizable
- Thick-walled

Capacity ml	Price/Unit	Price/Unit of (X) units	Article No.
12	0,17	(100) 0,15	6214-0012 N3
25	0,27	(100) 0,22	6214-0025 N3
60	0,49	(100) 0,39	6214-0060 N3
90	0,54	(100) 0,44	6214-0090 N3
125	0,62	(100) 0,49	6214-0125 N3
250	1,00	(100) 0,79	6214-0250 N3
600	1,10	(100) 0,88	6214-0600 N3
1000	2,70	(100) 2,10	6214-1000 N3

Capacity ml	Price/Unit	Price/Unit of (X) units	Article No.
250	1,90	(25) 1,64	0322-0250 N3
500	1,97	(25) 1,72	0322-0500 N3
1000	4,01	(10) 3,35	0322-1000 N3
2000	4,60	(10) 3,95	0322-2000 N3

Capacity ml	Height x dia. mm	Price/Unit	Article No.
60	80x33	0,26	6206-60 N3
100	80x45	0,31	6206-100 N3
300	92x65/75	0,81	6206-300 N3

Capacity ml	Price/Unit	Price/Unit of (X) units	Article No.
30	31,30	(10) 28,40	6205-30 N3
60	38,30	(10) 35,00	6205-60 N3
90	41,80	(10) 38,10	6205-90 N3
180	54,00	(10) 47,90	6205-180 N3

Sampling Containers

for clean and safe transport
from sampling to analysis



Detailed description see also product group
"Packaging Materials", pages 136 to 169.



Sample bottles LDPE, wide mouth

Robust bottle with wide mouth.
Perfectly suited for use with
highly viscous liquids, powders,
granulates and pastes.

- LDPE, transparent
- Breakproof
- Sealable in the types
0318-501 and 0318-1001



Sample bottles HDPE, wide mouth

Ideal bottles for storing, packaging,
specimens, samples and transport
of pastes and granulates.

- HDPE, transparent
- Tamper-evident screw cap,
PP, blue
- UN approval for solids
(type 100 ml and more)



Aluminum bottles

Particularly suitable for storage,
transport or shipment of substances
and reference samples that must
be free from all contamination.

- Can be emptied completely,
odourless, corrosion-resistant
- Comply with PCB regulation
- Pure aluminum (AL99.5)
- Screw cap lid PP with
internal aluminum seal



Sampling cups PP

with hermetically sealing cap,
suitable for shipping, can be
labelled. Empty cups are stackable.

- PP, transparent
- Sterilizable
- Breakproof at room
temperature
- Moulded-in graduations with
10 ml subdivisions

Seals can be found on
page 116

Capacity ml	Price/ Unit	Price/Unit of (X) units	Article No.
50	0,82	(100) 0,65	0318-50 N3
100	1,07	(100) 0,80	0318-100 N3
200	1,45	(360) 1,11	0318-200 N3
250	1,38	(50) 1,07	0318-250 N3
300	1,74	(100) 1,28	0318-300 N3
500	2,26	(50) 1,72	0318-500 N3
750	3,35	(98) 2,48	0318-750 N3
1000	3,75	(50) 2,90	0318-1000 N3
1500	5,40	(46) 4,05	0318-1500 N3
2000	5,80	(50) 4,40	0318-2000 N3

Capacity ml	Price/ Unit	Price/Unit of (X) units	Article No.
50	1,21	(700) 1,10	0342-50 N3
100	1,16	(582) 1,06	0342-100 N3
250	1,58	(273) 1,42	0342-250 N3
500	1,97	(124) 1,80	0342-500 N3
750	2,90	(90) 2,55	0342-750 N3
1000	2,02	(81) 1,83	0342-1000 N3
1500	3,20	(42) 2,95	0342-1500 N3
2500	4,23	(27) 3,75	0342-2500 N3
4000	5,30	(15) 4,80	0342-4000 N3

Capacity ml	Price/ Unit	Price/Unit of (X) units	Article No.
38	1,15	(100) 1,05	0327-38 N3
60	1,26	(100) 1,14	0327-60 N3
120	1,51	(143) 1,37	0327-120 N3
300	2,01	(149) 1,97	0327-300 N3
600	2,91	(84) 2,85	0327-600 N3
1200	3,45	(130) 3,30	0327-1200 N3

Capacity ml	Price/ Unit	Price/Unit of (X) units	Article No.
100	0,80	(100) 0,70	7103-100 N3

Ice-cold sample transport
No problem – with the Snow-Pack dry ice apparatus you can prepare -79 °C dry ice tablets in less than a minute. The cool way of protecting your samples. See page 199.


Wide-necked boxes

square shaped, clear or brown material, offering excellent product presentation




An extra-wide neck enables convenient bottle filling with liquid, powder or granular products such as tablets, capsules, dyes, shipments of samples, specimens, gift packages, hobby articles, spices, etc.

- PVC crystal clear

 seal-it can be found on page 116

Capacity ml	LxWxH with cap mm	Price/Unit	Article No.	
50	38x38x63	0,68	0355-50	N3
100	46x46x75	0,79	0355-100	N3
200	59x59x91	1,17	0355-200	N3
300	66x66x98	1,30	0355-300	N3
500	80x80x111	1,72	0355-500	N3
750	92x92x120	2,05	0355-750	N3
1000	95x95x152	2,30	0355-1000	N3
2000	120x120x190	3,75	0355-2000	N3

 Labels **Reference sample** s. table on p. 146.

FlipTop sample tubes

ideal for protecting sensitive products against moisture



Sample tubes with FlipTop closure. A molecular drying agent is incorporated in the tube. Ideal for protecting sensitive products such as glucose test strips and other diagnostic products against moisture.

The sample tubes are produced under clean room conditions and formed at over 100 °C in the injection molding machine, so that the insides of the tubes are virtually sterile. This method makes the tubes absolutely leak-proof, as the cap and tube adapt optimally to each other during the cooling process. Undercut-free, so easy to fill and can be emptied completely.

- PP, white
- Aseptic
- Easy to open and close, one-hand operation

Capacity ml	H x Ø mm	Price/Unit	Price/Unit of (X) units	Article No.
169	101 x 51.5	1,49	(10) 1,42	6207-169 N3

SteriBag


the sterile packaging bag



SteriBag

the multifunctional packaging/sampling bag for very different kinds of samples in chemistry, pharmaceuticals, medicine, veterinary science and foodstuffs. The bags are made of superpolyethylene and consequently are exceptionally tear-proof and leakproof.

- Leakproof
- Sterile
- 500 pcs in pack/box

 see also page 96

Capacity ml	L x W mm	Bags/ pack	Price/ pack	Article No.	
60	76 x 127	500	93,00	5344-0060	N3
180	76 x 178	500	96,00	5344-0180	N3
540	114 x 229	500	113,00	5344-0540	N3
720	140 x 229	500	126,00	5344-0720	N3
810	114 x 305	500	131,00	5344-0810	N3
1650	178 x 305	250	100,00	5344-1650	N3

Capacity ml	L x W mm	Bags/ pack	Price/ pack	Article No.	
60	76 x 127	500	101,00	5344-0061	N3
180	76 x 178	500	104,00	5344-0181	N3
540	114 x 229	500	120,00	5344-0541	N3
720	140 x 229	500	144,00	5344-0721	N3
810	114 x 305	500	139,00	5344-0811	N3
1650	178 x 305	250	113,00	5344-1651	N3

Sample tubes

PP, aseptic, with seal

LetterBox

The mail-conform packaging



The sample tubes are produced under clean room conditions and formed at over 100 °C in the injection molding machine, so that the insides of the tubes are virtually sterile.

This method makes the tubes absolutely leakproof, as the cap and tube adapt optimally to each other during the cooling process. Undercut-free, so easy to fill and can be emptied completely. With seal guaranteeing virtual sterility until first-time opening. Can be resealed.



- PP, transparent
- Aseptic
- Size 340 ml with scale
- Can be sealed



The compact and flat LetterBox is not only stable and ensures that samples or other small parts can be mailed safely but it also saves mailing charges. Items that previously had to be sent as a package (because they could not pass through the 50 mm wide mailbox slot) can now be sent as letters; this means that they pay for themselves!

Available in different sizes and with different contents, LetterBox can be used for solids. Depending on your national mailing regulations, Letterbox can be mailed directly, without an envelope and only with an address label.

Both halves of LetterBox are permanently attached to each other with a rigid film hinge. Simply fold together and firmly seal with the snap closure.

LetterBox can be used several times.

Sample tubes PP, transparent

Capacity ml	H x Ø mm	Price/Unit	Price/Unit of (X) units	Article No.
55	84 x 29	0,27	(10) 0,26	6207-55 N3
340	119 x 63	0,44	(10) 0,42	6207-340 N3



LetterBox

Typ	Outer dimens. LxBxH mm	Inner dimens. LxBxH mm	Material	Price/unit	Price/Unit of (x) units	Article No.
LetterBox	113x94x17	82x62x12	PP	0,94	(100) 0,85	2330-0010 N3
LetterBox	135x99x18	102x65x15	PP	1,01	(125) 0,91	2330-0020 N3
LetterBox	215x150x18	180x114x15	PP	2,70	(100) 2,42	2330-0030 N3
LetterBox	245x170x18	210x135x15	PP	2,90	(100) 2,60	2330-0040 N3
Yellow foam insert for LetterBox	2330-0040			0,77	(100) 0,70	2330-0041 N3



Packaging Containers

for laboratory, product packaging, sampling, industry, foodstuffs

Bottles, tubes, sample containers, cups, packaging bags, jerrycans, buckets, canisters, kegs



Narrow-necked bottles
Page 141



Round bottles, snap closure
Page 142



Tall form bottles
Page 142



Wide-necked bottles, round
Page 143



UN bottles
Page 145



Sealable Wide-necked bottles
Page 146



Aluminium-bottle, UN-approved
Page 146



Aluminium bottle
Page 147



Bottle carriers
Page 148



Dropping bottles
Page 149



Wash bottles
Page 150 f



Pressure atomiser
Page 152



AirSpray Pressurised dispenser
Page 153



Bottles of chemical
Page 155



Square bottles
Page 156



Laboratory bottles
Page 157



Laboratory bottles
Page 157



Wide-necked boxes, round
Page 158



Screw cap tubes made of PP
Page 159



UN packing tubes
Page 159



Multi-purpose cups
Page 161



Sample boxes, round
Page 161



SteriBag, sterile packaging bags
Page 162



Wide-necked boxes, square shaped
Page 163



Disposal kegs, Wide-mouth containers
Page 164



Packaging buckets
Page 165



Jerrycans made of HDPE
Page 165



Flachmann, compact jerrycan
Page 167



Wide-necked jerrycans
Page 168



Storage bottles
Page 169

Pictograms

	material
	ultra-pure material
	translucent
	glass-clear material
	material impermeable to light
	container is completely leakproof
	autoclavable up to
	temperature-resistant from ... to
	suitable for use with foodstuffs
	safety product
	product protects the environment
	optional accessory
	required accessory
	spare parts
	attention! Important information
	sterile packed
	produced according to CE guidelines
	produced according to DIN norm
	approved by the German Institute of Technical Standards
	splash water protection according to protection class IP 54
	splash water protection according to protection class IP 44
	limited warranty
	additional information
	UN approved
	new product
	cross reference
	unusual delivery period

Packaging Containers

Bottles, tubes, canisters and barrels

136

List of Capacities

bottles, tubes, canisters, barrels

Type	Shape	Ma-terial	Cap	Article no.	Page
10 ml					
Bottle NN	round	LDPE	Screw	0302-10	141
Bottle NN	round	LDPE	Drop	0306-10	149
Bottle	round	LDPE	Drop	0307-10	149
Bottle MO	round	LDPE	Screw	0323-0010	142
Box/Jar	round	PP	Screw	6214-0012	159



20 ml					
Bottle NN	round	LDPE	Screw	0302-20	141
Bottle NN	round	LDPE	Drop	0306-20	149
Bottle NN	square	HDPE	Screw	0331-20	156

25 ml					
Bottle	round	LDPE	Drop	0307-25	149
Box/Jar	round	PP	Screw	6214-0025	159

30 ml					
Bottle NN	round	LDPE	Screw	0302-30	141
Bottle NN	round	LDPE	Drop	0306-30	149
Bottle	square	PC	Screw	0316-30	157
Bottle MO	round	LDPE	Screw	0323-0030	142
Box/Jar	round	PFA	Screw	6205-30	158
Bottle NN	round	Alu	Screw	0327-38	147



Type	Shape	Ma-terial	Cap	Article no.	Page
50 ml					
Bottle NN	round	LDPE	Screw	0302-50	141
Bottle NN	round	PE	Spray	0312-050	153
Bottle NN	round	LDPE	Drop	0306-50	149
Bottle	round	LDPE	Drop	0307-50	149
Bottle NN	round	HDPE	Snap	0308-50	140
Bottle NN	round	HDPE	Screw	0308-51	140
Bottle NN	round	LDPE	Screw	0314-50	140
Bottle WN	round	LDPE	Screw	0318-50	143
Bottle WN	round	PP	Screw	0319-50	143
Bottle WN	round	LDPE	Screw	0320-0050	143
Bottle MO	round	LDPE	Screw	0323-0050	142
Bottle NN	square	HDPE	Screw	0331-50	156
Bottle UN	square	HDPE	Tamper-evid.	0342-50	155
Box/Jar	square	PVC	Screw	0355-50	163
Box/Jar	square	PETG	Screw	0357-50	163



60 ml					
Bottle	square	PP	Screw	0315-60	157
Bottle	square	PC	Screw	0316-60	157
Bottle NN	round	Alu	Screw	0327-60	147
Box/Jar	round	PP	Screw	6214-0060	159
Box/Jar	round	PFA	Screw	6205-60	158
Box/Jar	round	PP	Snap	6206-60	161

90 ml					
Box/Jar	round	PFA	Screw	6205-90	158
Box/Jar	round	PP	Screw	6214-0090	159

100 ml					
Bottle MO	round	HDPE	Screw	0301-100	145
Bottle NN	round	LDPE	Screw	0302-100	141
Bottle NN	round	LDPE	Screw	0303-100	141
Bottle NN	round	LDPE	Drop	0306-100	149

Type	Shape	Ma-terial	Cap	Article no.	Page
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Bottle NN	round	HDPE	Snap	0308-100	140
Bottle NN	round	HDPE	Screw	0308-101	140
Bottle NN	round	LDPE	Tapering	0310-100	150
Bottle NN	round	PE	Spray	0312-100	153
Bottle NN	round	LDPE	Screw	0314-100	140
Bottle WN	round	LDPE	Screw	0318-100	143
Bottle WN	round	PP	Screw	0319-100	143
Bottle WN	round	LDPE	Screw	0320-0100	143
Bottle MO	round	LDPE	Screw	0323-0100	142
Bottle NN	square	HDPE	Screw	0331-100	156
Bottle NN	square	HDPE	Screw	0332-100	156
Bottle NN	square	HDPE	Drop	0333-0100	156
Bottle NN	square	HDPE	Tamper-evid.	0340-100	155
Bottle UN	square	HDPE	Tamper-evid.	0342-100	155
Box/Jar	square	PVC	Screw	0355-100	163
Box/Jar	square	PVC	Screw	0356-100	163
Box/Jar	square	PETG	Screw	0357-100	163
Box/Jar	round	PP	Snap	6206-100	161
Box/Jar	round	PP	Snap	6206-101	161
Box/Jar	round	HDPE	Screw	6282-100	158
Cup	round	PP	Screw	7103-100	161

120 ml					
Bottle NN	round	Alu	Screw	0327-120	147



125 ml					
Bottle	square	PP	Screw	0315-125	157
Bottle	square	PC	Screw	0316-125	157
Bottle UN	round	Alu	Sealable	0329-125	146
Bottle	8-Corn.	PET	Screw	0370-0125	157



Round bottles

transparent, two closure options

Tall-form bottles



Handy round-shaped dispensing bottles with **snap-action hinged lid** or **screw cap lid**, especially suited for cosmetic liquids, emulsion cremes, and oils.

- Transparent HDPE
- Snap closure with hole-diameter 3 mm
- Worth the money and shapely

Universal tall form bottles for storage, packaging, laboratory work and sampling with standard-screw cap.

- Leakproof
- Suitable dropper cap is available

Bulk prices									
Round bottles HDPE with snap-action lid									
Capacity ml	Dia. x H with lid mm	Thread	Price/Unit	Price/Unit of (X) units	Price/Unit of (X) units	Price/Unit of (X) units	Article No.		
100	41 x 115	22	0,79	(50) 0,72	(792) 0,63	0308-100	N3		
250	56 x 143	22	0,99	(25) 0,90	(324) 0,80	0308-250	N3		
500	70 x 182	25	1,27	(25) 1,22	(148) 1,07	0308-500	N3		
1000	89 x 221	25	1,87	(10) 1,70	(72) 1,49	0308-1000	N3		
Round bottles HDPE with screw cap									
100	41 x 115	22	0,73	(50) 0,64	(792) 0,54	0308-101	N3		
250	56 x 143	22	0,92	(25) 0,84	(324) 0,74	0308-251	N3		
500	70 x 182	25	1,21	(25) 1,15	(148) 1,01	0308-501	N3		
1000	89 x 221	25	1,75	(10) 1,57	(72) 1,41	0308-1001	N3		

Bulk prices									
Tall-form bottles LDPE with screw cap LDPE									
Capacity ml	Dia. x Height mm	Inner neck-dia. mm	Thread-diameter mm	Price/Unit	Price/Unit of (X) units	Price/Unit of (X) units	Article No.		
100	45 x 100	13	18	0,77	(50) 0,59	0314-100	N3		
250	60 x 130	19	25	1,22	(25) 0,92	0314-250	N3		
500	76 x 162	19	25	1,98	(25) 1,50	0314-500	N3		
1000	95 x 198	25	28	2,95	(25) 2,13	0314-1000	N3		
Dropper caps for Tall-form bottles									
fits for bottle		Price/Unit	Price/Unit of (X) units	Article No.					
50 ml and 100 ml		0,24	(100) 0,23	0383-18	N3				
250 ml and 500 ml		0,32	(100) 0,30	0383-25	N3				
1000 ml		0,35	(100) 0,33	0383-28	N3				

Wide-necked bottles

easy to fill and clean, compact form, unbreakable

Bulk prices available



Wide-necked bottles for photo-sensitive liquids.

Robust bottle with wide opening incl. screw cap. Perfect suited for use with highly viscous liquids, powders, granulates and pastes.

Also available with imprint (see page 190).

Wide-necked bottles with screw cap

Capacity ml	Dia. x H mm	Neck-dia. mm	Thread GL	LDPE				PP				LDPE, amber							
				Price/Unit	Price/Unit of (X) units	Article No.		Price/Unit	Price/Unit of (X) units	Article No.		Price/Unit	Price/Unit of (X) units	Article No.					
50	39x78	24	32	0,82	(100) 0,65	0318-50	N3												
100	48x100	24	32	1,07	(100) 0,80	0318-100	N3	1,13	(100) 0,85	0319-100	N3	1,15	(50) 0,87	0320-0050	N3	1,34	(50) 1,03	0320-0100	N3
200	59x120	31	40	1,45	(360) 1,11	0318-200	N3												
250	64x125	31	40*	1,38	(50) 1,07	0318-250	N3	1,55	(50) 1,15	0319-250	N3	1,79	(25) 1,35	0320-0250	N3				
300	68x133	31	40	1,74	(231) 1,34	0318-300	N3												
500	77x159	39	50	2,26	(50) 1,72	0318-500	N3	2,55	(50) 1,91	0319-500	N3	3,05	(25) 2,23	0320-0500	N3				
750	88x180	39	50	3,35	(98) 2,48	0318-750	N3												
1000	95x210	50	65*	3,75	(50) 2,90	0318-1000	N3	4,25	(50) 3,20	0319-1000	N3	5,30	(25) 4,23	0320-1000	N3				
1500	108x230	50	65	5,40	(46) 4,05	0318-1500	N3												
2000	120x254	50	65	5,80	(50) 4,40	0318-2000	N3												

*also available with thread 50

Sealable Wide-mouth containers

with large opening

Wide-mouth containers with handle



All sizes can be sealed



Intermediate lid



Sealable Wide-mouth containers

made of transparent polyethylene.

With intermediate lid.

The wide opening makes cleaning easy.

All sizes of bottles can be sealed.

- Container 10 litre with stable metal handle
- Suitable for food contact applications
- Multitude of uses

Containers with 2.3 l or 4.4 l capacity and especially wide opening. Consequently, ideal for filling with bulk goods of all kinds. Products such as spices, tea, granulates can be packaged, stored or displayed as samples in these containers.

- Integral handle gives safe and sure handling
- Transparent HDPE provides good view of contents
- Leakproof wide-neck cap



Sealable Wide-mouth containers

Capacity l	Bottle-diameter mm	Height mm	Opening-diameter mm	Price/unit	Price/Unit of (X) units	Article No.	
1	110	160	82	8,00	(10) 7,20	1406-1	N3
2	120	235	82	10,10	(10) 9,20	1406-2	N3
3	135	285	82	11,80	(10) 10,60	1406-3	N3
4	155	300	82	13,30	(10) 12,00	1406-4	N3
5	165	315	82	15,40	(10) 14,00	1406-5	N3
10	200	410	82	23,00	(10) 20,80	1406-10	N3



Wide-mouth containers with handle

Capacity nominal ml	Capacity brim-full ml	L x W x H with cap mm	Inner neck-dia. mm	Outer thread-dia. mm	Price/unit	Price/unit of (X) units	Article No.
with tamper-evident screw cap made of blue PP							
2300	2300	135x135x192	68,5	80	7,00	(36) 6,50	0317-2300 N3
with screw cap made of LDPE							
4400	4554	142x142x263	109	120	8,70	(52) 7,70	0317-4400 N3

Multi-Bottles with graduation

general purpose bottle for universal use

UN-Bottle

UN-certified bottle for chemicals




The modern alternative to wide-neck and narrow-neck bottles. For multifunctional use. The medium-sized opening ensures good filling and safe emptying.

- Bottle made of HDPE with cap made of PP
- Embossed contents scale
- Absolutely leakproof

This bottle reduces packaging costs! The bottle is UN tested and approved. Bottle made of HDPE, spill-proof, complete with PR tamper-evident closure with PTFE sealing. Available in three sizes from 0.5 l to 2.5 l contents. The bottles are excellent for packaging purposes, sampling, sending samples, storage and shipping via the post office.

- Totally leakproof
- With UN approval for liquids
1H1/X19/250/00/D/BAM/6070/KBM
- Transparent; also available in black on request

 Bell-shaped caps with or without degassing on request
UN approval see page 154

Bulk prices available								
Multi-Bottles with screw cap								
Capacity ml	Dia. x H without cap mm	Neck inner dia. mm	Graduation ml	Thread-dia. mm	Price/unit	Price/unit of (X) units	Article No.	
100	46 x 99,5	19	25	25	0,88	(10) 0,81	0301-0100 N3	
250	61 x 129,5	24	50	28	1,24	(10) 1,14	0301-0250 N3	
500	76 x 161	30,8	50	40	1,99	(10) 1,82	0301-0500 N3	
1000	97 x 203	39,2	100	50	3,25	(4) 3,00	0301-1000 N3	

UN-Bottle with screw cap								
Capacity ml	LxWxH capless mm	Inner Neck-dia. mm	Weight g	UN approval	Price/unit	Price/unit of (X) units	Article No.	
500	77 Ø / 177	29	50	1H1/X1.9/250	2,82	(120) 2,49	0304-0500 N3	
1000	96x96x212	29	88	3H1/X1.9/250	3,55	(64) 3,20	0304-1000 N3	
2500	127x127x282	29	163	3H1/X1.9/250	6,50	(26) 6,00	0304-2500 N3	

Aluminum bottle

with UN-approval for the transport of dangerous goods


Sealable Wide-necked bottles

shapely and secure handling



Aluminum transport bottles, safe, tight seal, approved for packaging type I (X). The UN-code is printed in black on the bottles.


- Inner lacquer is FDA-conform
- Pure aluminum (AL 99.5)
- Viton seal
- UN-approved
- With eyelets; can be sealed

 Seals can be found on page 115, seal-it can be found on page 116
UN approval see page 154


Sealable Wide-necked bottles

Stable bottle with sealing eyelets on screw cap and bottle. Particularly suitable for mailing samples. Seals provide increased sample authenticity. Wide opening, easy to fill. Suitable for viscous liquids, powders, granulates and pastes.

- Made of HDPE
- Leakproof
- Wide opening for easy filling

 Seals can be found on page 115,
seal-it can be found on page 116

Aluminum bottle with screw cap									
Capac- ity ml	Dia- meter mm	Height mm	UN approval	Price/ Unit	Price/Unit of (X) units	Article No.	UN-approved		
125	50	105	1B1/X/250/xx/D/BAM 9190	12,40	(10) 11,10	0329-125	N3		
250	65	140	1B1/X/250/xx/D/BAM 9190	14,60	(10) 13,30	0329-250	N3		
500	80	145	1B1/X/250/xx/D/BAM 9186	17,90	(10) 16,50	0329-500	N3		
1250	100	205	1B1/X/250/xx/D/BAM 9187	19,40	(10) 17,60	0329-1250	N3		

 **Labels with imprint Reference sample**
sheet with 24 adhesive labels (size: 35 mm x 65 mm)

2,42	(10)	2,18	0555-2	N4
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Sealable Wide-necked bottles						
Nom. capac. ml	Bottle- dia. mm	Height with cap mm	Inner neck-dia. mm	Price/ unit	Price/Unit of (X) units	Article No.
250	64	118	25	1,90	(25) 1,64	0322-0250 N3
500	80	145	40	1,97	(25) 1,72	0322-0500 N3
1000	180	98	50	4,01	(10) 3,35	0322-1000 N3
2000	225	119	50	4,60	(10) 3,95	0322-2000 N3

Safety-seals with consecutive numbers

Thread length mm	Threas- dia. mm	Colour	Price/pack 1 pack (100 pcs.)	Price/pack 10 packs (1000 pcs.)	Article No.
290	2	red	57,00	54,00	5399-2902 N2

Aluminum bottle

light, unbreakable, seamless



Particularly suitable for storage, transport or shipment of substances and reference samples that must be free from all contamination. Additional features: can be emptied completely, odourless, impermeable to light, corrosion-resistant. Comply with the PCB regulation.

The cup seal made of PE has been specially developed for use with adhesives (available as accessory).

- Made of pure aluminum (material AL 99.5)



Why don't you join in?

Just photograph Bürkle products in practical use.
See front jacket flap



Bulk prices available

Aluminum bottle with original-seal screw cap made of PP with internal aluminum seal and tear-off ring

Capacity ml	Bottle-dia. mm	Height with cap mm	Price/Unit	Price/Unit of (X) units	Price/Unit of (X) units	Article No.
38	35	70	1,15	(100) 1,05	(396) 0,99	0327-38 N3
60	40	88	1,26	(100) 1,14	(304) 1,05	0327-60 N3
120	57	97	1,51	(143) 1,37	(429) 1,26	0327-120 N3
300	57	160	2,01	(149) 1,97	(596) 1,86	0327-300 N3
600	74	192	2,91	(84) 2,85	(168) 2,70	0327-600 N3
1200	88	248	3,45	(130) 3,30	(390) 3,15	0327-1200 N3
PE cup seal			0,21	(100) 0,20	(1000) 0,18	0327-4 N3

Labels **Reference sample** refer to table on page 146.

seal-it® Security seal for sample containers

- Security provided by unique 7-digit control number
- Fits any bottle, can, bag, container
- Additional documentation label with same number
- Detailed information on page 116

Bottle crates and Bottle carriers

safe, practical and handy, especially suitable for internal on a company site bottle transport



①

Bottle carrier

- For 6 bottles with maximum diameter 95 mm



②

Bottle carrier

- For 8 bottles with maximum diameter 95 mm



③

Bottle crate

- Stackable
- Special **transport trolley** enables easy conveyance (fits for all crates).



Bottle carrier

	Number of bottle positions	Max. bottle-dia. mm	Dimensions LxWxH mm	Price/Unit	Price/Unit of (X) units	Article No.	
①	6	95	330x255x280	9,80	(10) 9,00	0361-6	N3
②	8	110	420x300x210	21,00	(10) 19,10	0361-8	N3

③ Bottle crate

	Container capacity litre	Dimensions LxWxH mm	Price/Unit	Price/Unit of (X) units	Article No.	
	27	600x400x150	24,40	(10) 22,20	3414-27	N2
	38	600x400x200	30,70	(10) 27,90	3414-38	N2
	48	600x400x250	35,00	(10) 31,90	3414-48	N2
	54	600x400x290	37,60	(10) 34,30	3414-54	N2
Ⓒ	Lid for all crates		14,90	(10) 13,70	3414-2	N2
Ⓒ	Transport cart for all crates		66,00	(10) 60,00	3414-3	N2

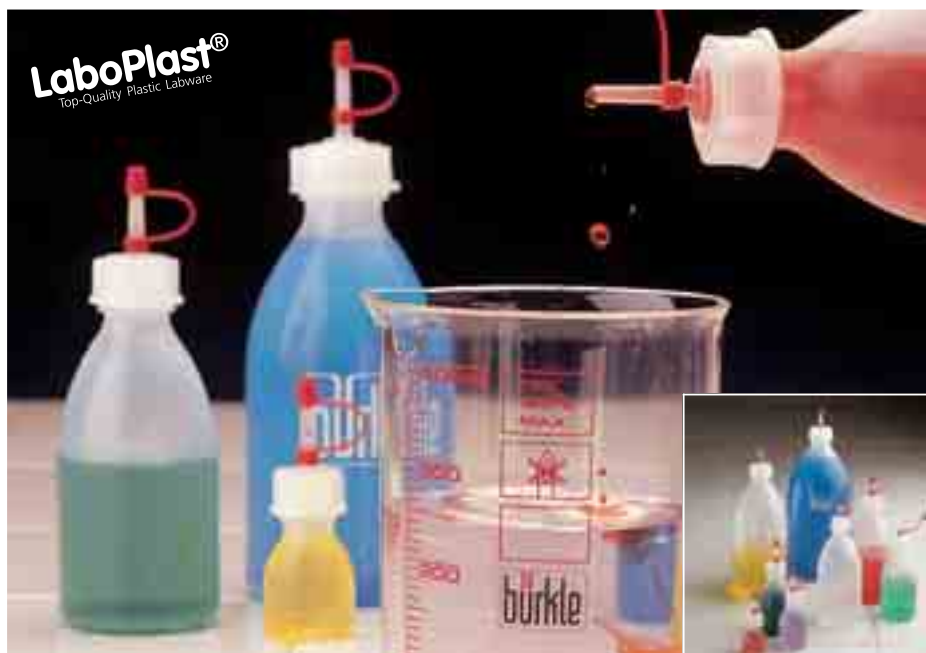


We are not afraid to show our faces!

If you want to know who the person on the other end of the phone line is, just have a quick look at our homepage. Under the Internet address <http://www.buerkle.de> you will find brief portraits and photos of your contact persons in the sales, bookkeeping, dispatch and R&D sectors.

Dropping bottles

for controlled dosing drop by drop



Particularly suitable for liquids which must be specially dispensed in small amounts, drop by drop or as a fine jet.

Cut off dropper tip before first use. Can be reclosed tightly using the captive cap provided.

Narrow-necked bottles LDPE with drop dispenser and attached cap PE



Bulk prices

Capacity ml	Bottle-dia. mm	Height with srew cap mm	Inner neck-dia. mm	Thread-dia. mm	Price/Unit	Price/Unit of (X) units	Article No.
10	26	79	9	13	0,42	(100) 0,40	0306-10 N3
20	32	87	9	14	0,47	(100) 0,45	0306-20 N3
30	34	98	9	14	0,56	(50) 0,52	0306-30 N3
50	39	118	13	18	0,71	(50) 0,68	0306-50 N3
100	45	135	13	18	0,78	(25) 0,74	0306-100 N3
250	59	175	19	25	1,37	(25) 1,30	0306-250 N3
500	75	210	19	25	2,03	(20) 1,93	0306-500 N3
1000	95	240	21	28	3,05	(10) 2,91	0306-1000 N3

Washing bottle with bent outlet spout can be found on page 150 in this catalogue.

Drop-Boy

the reclosable dropping bottle with screw cap



Drop-Boy

bottle with drop dispenser and separate screw cap.

Cut off dropper tip before first use.

- reclosable
- Precise drop dosing



Drop-Boy

Capacity ml	Price/Unit	Price/Unit of (X) units	Article No.
10	0,52	(100) 0,47	0307-10 N3
25	0,64	(100) 0,59	0307-25 N3
50	0,75	(100) 0,68	0307-50 N3

Inventor's Market



Where are the Johnny Inventors of this world?

A good idea that goes to waste in a drawer due to lack of time or money is a help to nobody.

The Inventor's Market is looking for good ideas, product improvements and constructive criticism. Of course, we are constantly producing more innovative products and improving our traditional ones.

"But what about all the good ideas of our users that lie dormant?" we have asked ourselves. Now we are asking you directly: You have probably cursed at one time or another, because a tool was good in your daily work but not perfect. Help us to make it better.

With our Inventor's Market, we want to promote your good ideas and change them into cash for you and us. If you are interested and have one or more ideas for improvements, call us.

Wash bottle

made of transparent LDPE



Wash bottle made of LDPE

The swan-neck jet produces a fine, straight spray with no lateral spatter.

- Made of LDPE
- Transparent
- Immersion tube can be pulled up



Wash bottle made of LDPE

Capacity ml	Dia. x H mm	Price/Unit	Price/Unit of (X) units	Price/Unit of (X) units	Article No.
100	45x200	1,19	(100)	1,10	(500) 0,99 0310-100 N3
250	61x225	1,62	(100)	1,50	(250) 1,37 0310-250 N3
500	75x270	2,10	(100)	1,92	(250) 1,76 0310-500 N3
1000	98x315	3,45	(50)	3,15	(250) 2,85 0310-1000 N3

Wash Bottle

made of PFA



Wash bottle made of PFA

with bent spout tube made of FEP with tapered tip and screw thread made of ETFE.

- Highly transparent
- Sterilizable



Wash bottle made of PFA

Capacity ml	Dia. mm	Height mm	Price/Unit	Article No.
500	76	189	112,00	7202-0500 N3
1000	96	233	144,00	7202-1000 N3

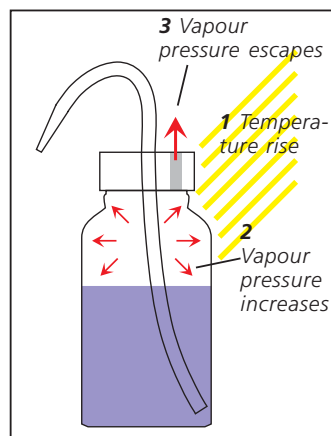
LeakProof Wash bottle

Wash bottles with venting system

Wide-necked Wash bottle



made of yellow-transparent PE, labelled



The vapour-permeable membrane reliably prevents leaking of the contents when temperatures rise.

LeakProof Wash bottle

Wash bottles with safety closure. Leaking of the contents when temperatures rise is automatically prevented.

- Capacity 500 ml
- Bottle made of LDPE, screw closure made of PP
- Print in English, French, German

Registered design.



Wide-necked Wash bottle

with multilingual contents label and danger symbols.

- Made of yellow-transparent LDPE (light protection)
- Wide-neck shape for easy filling
- Neck diameter 39 mm
- Capacity 500 ml

Label in German, English and French	Price/unit	Price/unit of (X) units	Article No.
Distilled water	6,40	(12) 5,70	9550-501 N3
Acetone	6,40	(12) 5,70	9550-502 N3
Methanol	6,40	(12) 5,70	9550-503 N3
Isopropanol	6,40	(12) 5,70	9550-504 N3
Ethanol	6,40	(12) 5,70	9550-506 N3

Label	Colour cap	Price/Unit	Price/Unit of (X) units	Article No.
Acetone	red	6,40	(100) 5,50	9530-500 N3
Methanol	green	6,40	(100) 5,50	9531-500 N3
Ethanol	orange	6,40	(100) 5,50	9532-500 N3
Isopropanol	blue	6,40	(100) 5,50	9533-500 N3
Distilled water	transparent	6,00	(100) 5,50	9537-500 N3
without label – neutral	yellow	5,70	(100) 5,20	9540-500 N3

Spray bottle

environmentally sound

Pressure atomiser

without harmful propellant gas



Spray bottle

Pressureless spray bottle made of LDPE with long-life hand pump. The sprayer is made of high-quality materials. The functioning of each individual sprayer is tested after manufacture. Fields of application: industry, laboratories, production, leisure activities Suitable for agricultural pesticides, detergents, foodstuffs.

- Media-contacting parts: PP, PE and stainless steel
- Nozzle 0.6 mm dia., nozzle steplessly adjustable
- Spray volume per stroke: 1.2 ml \pm 0.1
- Patented venting valve

Spray bottle

Capacity ml	Bottle-dia. mm	Height with cap mm	Inner neck-dia. mm	Price/Unit	Price/Unit of (X) units	Article No.
250	60	220	19	4,25	(70) 3,80	0309-250 N4
500	75	240	19	4,80	(80) 4,30	0309-500 N4
1000	98	295	19	4,90	(50) 4,55	0309-1000 N4

Pressure atomiser

Robust industrial quality for disinfection, cleaning, plant protection, thin layer chromatography, technical and sanitary use. The hand pump is used to produce a pressure of up to 4 bar in the container. Spraying can then take place by pressing a button.

- Media-contacting parts: PP, PE, glass-fiber-reinforced PA, AISI 304, Viton
- Nozzle 0.6 mm dia.
- Foam nozzle available as accessory
- Spray lance 30 cm long available as accessory
- nozzle steplessly adjustable

Pressure atomiser, with short nozzle

	Capacity ml	Bottle-dia. mm	Height with cap mm	Inner neck-dia. mm	Price/Unit	Price/Unit of (X) units	Article No.
①	1500	142	315	45	27,70	(50) 24,80	0309-1001 N4
②	C Spraying lance, 30 cm long				17,20	(10) 15,40	0309-1091 N4
③	C Foam nozzle, yellow				2,30	(10) 2,18	0309-0092 N4

Spray bottle

with pump vaporiser

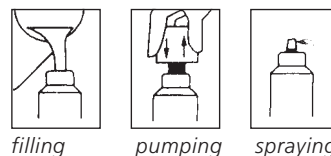
AirSpray Pressurised dispenser

no propellant gas - for the sake of the environment



Spray bottle with pump vaporiser and protective cover for the pump. You can vaporize liquids finely 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, pump vaporiser made of PP and stainless steel
- auf Anfrage auch in 20, 25 und 30 ml lieferbar



AirSpray Pressurised dispenser with bottle made of HDPE. Powered by compressed air that is made by pumping with the dispensers lid. Environmentally friendly, no harmful propellant gas is used.

The canisters can be individually styled with labels or by printing. The dispensers standard colour is white/clear.



Spray bottle complete with pump vaporiser and protective cover

Capacity ml	Diameter mm	Height with cap mm	Price/unit	Price/Unit of (X) units	Price/Unit of (X) units	Article No.
50	35	110	1,63	(10) 1,42	(100) 1,24	0312-050 N3
100	37	161	1,15	(10) 1,09	(100) 1,06	0312-100 N3
250	50	222	1,37	(10) 1,26	(100) 1,23	0312-250 N3



AirSpray Pressurised dispenser

Capacity ml	Height with pump mm	Diameter mm	Price/Unit	Price/Unit of (X) units	Price/Unit of (X) units	Article No.
150	160	51	3,55	(10) 3,40	(100) 2,90	0345-150 N3
250	214	51	4,50	(10) 4,25	(100) 3,55	0345-250 N3

UN approval

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
- 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.

 You can find the detailed text on the Internet under <http://www.buerkle.de/uninfo>



Wide-neck reagent bottle
rectangular/space-saving, sturdy
With UN approval for solids
see page 155



Aluminum bottle
with UN-approval for the transport of dangerous goods
see page 146



UN-Bottle
UN-certified bottle for chemicals
see page 145



Jerrycans
stackable, made of transparent HDPE, space-saving
see page 165



UN packaging bottles
absolutely leakproof, particularly stable
see page 159



Wide-mouth containers
extra-wide opening for secure filling
see page 164

Wide-neck reagent bottle

rectangular/space-saving, sturdy
With UN approval for solids

Narrow-neck reagent bottle

rectangular/space-saving, sturdy



Ideal bottles for storing, packaging, specimens, samples and transport of pastes and granulates.

- Made of transparent HDPE
- Tamper-evident screw cap made of blue PP
- UN approval for solids

All-purpose bottles for storing, packaging and transport of liquids.

- HDPE transparent
- PP tamper-evident screw cap, blue

							Bulk prices	
Wide-neck reagent bottle								
Capacity ml	LxWxH mm	Thread	UN approval	Price/Unit	Price/Unit of (X) units	Article No.		
50	40 x 40 x 80	28	—	1,21	(700) 1,10	0342-50	N3	
100	45 x 45 x 101	32	UN3H1/X0.3	1,16	(582) 1,06	0342-100	N3	
250	60 x 60 x 128	45	UN3H1/X0.8	1,58	(273) 1,42	0342-250	N3	
500	75 x 75 x 161	54	UN3H1/X1.5	1,97	(124) 1,80	0342-500	N3	
750	97 x 97 x 179	54	UN3H1/X2.5	2,90	(90) 2,55	0342-750	N3	
1000	85 x 85 x 210	54	UN3H1/X2.5	2,02	(81) 1,83	0342-1000	N3	
1500	111 x 111 x 209	80	UN3H1/X4	3,20	(42) 2,95	0342-1500	N3	
2500	122 x 122 x 258	80	UN3H1/X5	4,23	(27) 3,75	0342-2500	N3	
4000	142 x 142 x 294	80	UN3H1/X5.5	5,30	(15) 4,80	0342-4000	N3	

							Bulk prices	
Narrow-necked bottle								
Capacity nominal ml	LxWxH mm	Opening-dia. mm	Price/Unit	Price/Unit of (X) units	Price/Unit of (X) units	Article No.		
100	45 x 45 x 108	17	1,30	(25) 1,21	(544) 1,13	0340-100	N3	
250	60 x 60 x 135	17	1,59	(25) 1,54	(247) 1,46	0340-250	N3	
500	75 x 75 x 170	17	1,87	(25) 1,79	(122) 1,68	0340-500	N3	
1000	85 x 85 x 221	17	2,41	(20) 2,31	(72) 2,19	0340-1000	N3	
2500	122 x 122 x 271	28	5,90	(10) 5,70	(27) 5,30	0340-2500	N3	

Square bottles

space-saving, rectangular design, handy and sturdy,
wide-necked and narrow-necked types available



Budget-priced square-shaped bottle for shipping, packing and storing of liquids.

- Made of transparent HDPE, breakproof
- Special labelling area for individual imprints, labels or inscription
- Suitable as a disposable bottle
- Leakproof
- Available with screw cap or dropper cap



Budget-priced square-shaped bottle for shipping, packing and storing of liquids, powders and granulates.

- Made of transparent HDPE, breakproof
- Special labelling area for individual imprints, labels or inscription
- Leakproof

Bulk prices							
① Square bottle with screw cap							
Capacity ml	Bottle LxWxH mm	Thread-dia. mm	Inner neck-dia. mm	Outer neck-dia. mm	Price/Unit	Price/Unit of (X) units	Article No.
100	39x31x112	18	13	17,5	0,52	(100) 0,48	0332-100 N3
250	51x41x149	25	19	24,8	0,74	(100) 0,69	0332-250 N3
500	66x53x182	25	19	24,6	0,91	(100) 0,84	0332-500 N3
1000	81x64x230	25	19	24,6	1,44	(100) 1,30	0332-1000 N3
② Square bottle with dropper cap							
100	39x31x112	18	13	17,5	0,62	(100) 0,55	0333-0100 N3
250	51x41x149	25	19	24,8	0,80	(100) 0,74	0333-0250 N3
500	66x53x182	25	19	24,6	0,96	(100) 0,87	0333-0500 N3
1000	81x64x230	25	19	24,6	1,49	(100) 1,37	0333-1000 N3

Bulk prices							
Narrow-necked Square bottle							
Capacity ml	Bottle LxWxH mm	Thread-dia. mm	Inner neck-dia. mm	Outer neck-dia. mm	Price/Unit	Price/Unit of (X) units	Article No.
20	26x26x51	18	13	17,7	0,38	(100) 0,36	0331-20 N3
50	31x31x76	18	13	17,5	0,48	(100) 0,46	0331-50 N3
100	44x44x77	25	19	24,3	0,59	(100) 0,53	0331-100 N3
Wide-necked Square bottle							
250	59x59x112		31	40	1,77	(100) 1,46	0338-250 N3
500	70x70x146		31	40	2,18	(100) 1,81	0338-500 N3
1000	90x90x175		48	50	2,26	(100) 2,08	0338-1000 N3

Laboratory bottles

unbreakable, square



High-quality reagent bottle for universal use. Unbreakable at room temperature, easily operated screw thread. With moulded-in raised graduation.

- Transparent PP and glass-clear PC, sterilizable
- Guaranteed seal
- With moulded-in raised graduation

① Laboratory bottles made of PP with screw cap made of PP								
Capacity ml	LxWxH with cap neck-dia. mm	Inner neck-dia. mm	Thread-dia. ml	Price/unit	Price/unit of (X) units	Article No.		
60	38x38x83	18	24	1,93	(12) 1,77	0315-60	N2	
125	55x55x109	28	37	3,30	(12) 3,05	0315-125	N2	
250	61x61x145	28	37	5,20	(12) 4,70	0315-250	N2	
500	75x75x178	28	37	6,40	(12) 5,80	0315-500	N2	
1000	95x95x218	28	37	8,70	(6) 7,70	0315-1000	N2	

② Laboratory bottles made of PC with screw cap made of PP								
Capacity ml	LxWxH with cap neck-dia. mm	Inner neck-dia. mm	Thread-dia. ml	Price/unit	Price/unit of (X) units	Article No.		
30	36x36x63	14	20	4,80	(12) 4,40	0316-30	N2	
60	38x38x83	18	24	6,50	(12) 6,00	0316-60	N2	
125	55x55x109	28	37	5,80	(6) 5,10	0316-125	N2	
250	61x61x145	28	37	7,20	(6) 6,70	0316-250	N2	
500	75x75x178	28	37	11,80	(4) 10,60	0316-500	N2	
1000	95x95x218	28	37	17,10	(4) 15,50	0316-1000	N2	
2000	116x116x275	39	53	39,60	(6) 36,10	0316-2000	N2	

For use in the laboratory and in the chemicals handling area. Good product presentation due to highly transparent PP and glass-clear PET. Space saving and absolutely leakproof. Ideal for storage and packaging of liquids.

- With tamper-proof closure
- With moulded-in raised graduation




Can also be supplied as sterile bottles. We will be pleased to send you an offer!

Laboratory bottles made of PP transparent						
Capacity ml	L x W x H mm	Inner neck-dia. mm	Price/unit	Price/unit of (x) units	Article No.	
125	52 x 52 x 106	28	0,90	(205) 0,81	0371-0125	N2
250	58 x 58 x 145	28	1,04	(134) 0,93	0371-0250	N2
500	70 x 70 x 175	28	1,33	(80) 1,20	0371-0500	N2
1000	93 x 93 x 215	28	1,86	(60) 1,67	0371-1000	N2

Laboratory bottles made of glass-clear PET						
Capacity ml	L x W x H mm	Inner neck-dia. mm	Price/unit	Price/unit of (x) units	Article No.	
125	52 x 52 x 106	28	1,05	(205) 0,94	0370-0125	N2
250	58 x 58 x 145	28	1,22	(134) 1,11	0370-0250	N2
500	70 x 70 x 175	28	1,63	(80) 1,47	0370-0500	N2
1000	93 x 93 x 215	28	2,42	(60) 2,17	0370-1000	N3



ADPE

[Orange bar]

[Blue background with horizontal lines]

[Yellow bar]

[Blue background]

UN packaging containers

absolutely leakproof, particularly sturdy



Particularly suitable for the storage or transport of sensitive substances. Suitable for food contact applications and also for hot products. Maximum filling temperature 80 °C; allow contents to cool to 30 °C before sealing the container. A quarter-turn is sufficient to open and close the UN packaging container.

- container PP, white
- tamper-proof closure PP, red
- with transparent inner cap
- UN approval for solids

Special Price!



UN packaging containers - PP white, with red screw cap PP

Capacity ml	Dia. x H mm	Price/unit €	Price/unit of (X) units	Article No.
300	99 x 52	2,01	(10) 1,98	6209-0300 N3
500	99 x 79	2,22	(10) 2,12	6209-0500 N3
650	99 x 101	2,33	(10) 2,21	6209-0650 N3
1000	99 x 154	2,53	(10) 2,40	6209-1000 N3

Tubes

with screw cap



Screw cap tubes

with screw cap. Nicely designed packaging can. Crevice-free interior.

- 8 sizes
- Sterilizable



Screw cap tubes, air-tight white PP

Capacity ml	Tube Dia. x H mm	Price/Unit	Price/Unit of (X) units	Article No.
12	25x31	0,17	(100) 0,15	6214-0012 N3
25	31x40	0,27	(100) 0,22	6214-0025 N3
60	41x56	0,49	(100) 0,39	6214-0060 N3
90	53x50	0,54	(100) 0,44	6214-0090 N3
125	52x67	0,62	(100) 0,49	6214-0125 N3
250	69x78	1,00	(100) 0,79	6214-0250 N3
600	90x114	1,10	(100) 0,88	6214-0600 N3
1000	102x129	2,70	(100) 2,10	6214-1000 N3

Tubes

with screw cap



Screw cap tubes

with screw cap. Contents clearly distinguishable through transparent wall. Crevice-free interior.

- 3 sizes

All-purpose boxes square shaped



All-purpose boxes, square shaped

for storing, packaging, specimens, samples and transporting pastes, granulates, powders, soil samples and frozen material. Temperature range from -40 °C up to (for short terms) +95 °C

Supplied completely with press-in lids.

- Made of transparent PE
- Stackable
- Crevice-free

All-purpose boxes round



All-purpose boxes, round

for storing, packaging, specimens, samples and transporting pastes, granulates, powders, soil samples and frozen material. Temperature range from -40 °C up to (for short terms) +95 °C

Supplied completely with press-in lids.

- Made of transparent PE
- Stackable
- Crevice-free



Screw cap tubes, air-tight

transparent PP, screw cap made of PE

Capacity ml	Tube Dia. x H mm	Price/Unit	Price/Unit of (X) units	Article No.
250	104 x 50	3,00	(25) 2,65	6202-250 N3
500	104 x 100	3,85	(14) 3,50	6202-500 N3
1000	126 x 126	6,90	(12) 6,40	6202-1000 N3

All-purpose boxes square shaped



Capacity ml	Dimensions LxWxH mm	Price/Unit	Price/Unit of (X) units	Article No.
500	103x103x64	1,72	(20) 1,57	6250-500 N3
1000	103x103x127	2,65	(16) 2,33	6250-1000 N3
1000	207x103x64	3,25	(18) 2,95	6250-1001 N3
1500	207x103x94	4,35	(20) 3,95	6250-1500 N3
2000	208x208x64	5,90	(20) 5,20	6250-2000 N3
2000	255x103x94	5,30	(20) 4,80	6250-2300 N3
3500	208x208x94	6,50	(14) 6,00	6250-3300 N3

All-purpose boxes round



Capacity ml	Outside-dia. above/below mm	Height mm	Price/Unit	Price/Unit of (X) units	Article No.
250	78/60	90	2,09	(60) 1,91	6210-250 N3
500	95/75	127	2,37	(24) 2,16	6210-500 N3
1000	136/118	110	3,10	(20) 2,75	6210-1001N3
2000	169/148	143	4,85	(25) 4,50	6210-2000N3

Multi-purpose cups

with screw cap,
transparent, graduated



Multi-purpose cups with screw cap

with leakproof cap, suitable for shipping, can be labelled. Empty cups are stackable.

- Made of transparent PP
- Sterilizable
- Breakproof at room temperature
- Moulded-in graduations with 10 ml subdivisions

Sample boxes, round

aseptic, transparent, easy to fill

Sterile Dipping tubes

breakproof, transparent, easy to fill



Sampling tube, round

with patented closure, ideal for 1-hand use. The lid hinge angle is 90°. Closure 100% leakproof. No undercuts, so easy to fill and empty without residues.

The tube is produced under aseptic conditions. It is autoclavable and can be deep-frozen. On request a sterile version can be supplied.

- Made of transparent PP
- aseptic
- With labelling area and graduation for the sizes 60 ml and 300 ml

Sterile Dipping tubes

For sterile sampling of liquids or powders. The sample is collected directly in the sampling container and sent for analysis. Prevents cross-contamination.

The Dipping tube has a patented closing lid.

- Made of blue transparent PP
- Individually sterile packed
- Length of removable handle 24 cm.



Multi-purpose cups with screw cap

Capacity ml	Price/Unit	Price/Unit of (X) units	Price/Unit of (X) units	Article No.
100	0,80	(100)	0,70 (1000)	0,64 7103-100 N3

Labels **Reference sample**
refer to table on page 146.



Sample boxes, round, transparent, aseptic

Capacity ml	Height x dia. mm	Price/Unit	Price/Unit of (X) units	Article No
60	80x33	0,26	(650) 0,24	6206-60 N3
100	80x45	0,31	(350) 0,28	6206-100 N3
300	92x65/75	0,81	(240) 0,74	6206-300 N3



Sterile Dipping tubes, blue/transparent, individually sterile packed, with handle

Capacity ml	Height x dia. mm	Price/Unit	Price/Unit of (X) units	Article No
100	80x45	2,65	(130) 2,36	6206-101 N3



Wide-necked boxes, square shaped

clear or brown material, offering,
excellent product presentation

Bulk prices



An extra-wide neck enables convenient bottle filling with liquid, powder or granular products such as tablets, capsules, dyes, shipments of samples, specimens, gift packages, hobby articles, spices, etc.

- PVC crystal-clear or amber-transparent
- PETG crystal-clear

Amber-transparent wide-mouth bottles are especially suited for storing photosensitive materials.

seal-it can be found on page 116

Wide-necked boxes with screw cap					 Crystal-clear PETG			 Crystal-clear PVC					 Amber-transparent PVC				
Capacity ml	Length mm	Width mm	Height with cap mm	Neck-dia. mm	Price/Unit	Price/Unit of (X) units	Article No.	Price/Unit	Price/Unit of (X) units	Article No.	Price/Unit	Price/Unit of (X) units	Article No.				
50	38	38	63	23	0,81	(100)	0,75	0357-50	N3	0,68	(100)	0,60	0355-50	N3			
100	46	46	75	31	0,94	(100)	0,85	0357-100	N3	0,79	(100)	0,74	0355-100	N3			
200	59	59	91	41	1,44	(100)	1,30	0357-200	N3	1,17	(100)	1,08	0355-200	N3			
300	66	66	98	41						1,30	(100)	1,20	0355-300	N3			
500	80	80	111	54	2,10	(90)	1,91	0357-500	N3	1,72	(90)	1,58	0355-500	N3			
750	92	92	120	69						2,05	(57)	1,88	0355-750	N3			
1000	95	95	152	69	2,75	(48)	2,47	0357-1000	N3	2,30	(48)	2,10	0355-1000	N3			
2000	120	120	190	69						3,75	(22)	3,41	0355-2000	N3			
											3,70	(22)	3,40	0356-2000	N3		

Labels **Reference sample** refer to table on page 146.

Disposal kegs, Wide-mouth containers

extra-wide opening for secure filling



approval for bulk goods

The Disposal kegs can be used for waste disposal or storage. For liquids, powders or granulates. Leakproof closure and sealable.

- Temperature resistant from -20 °C up to 80 °C
- UN-approval X, Kat. I, II, III

Seals can be found on page 115

① Disposal kegs made of HDPE with UN approval							
Capacity l	Keg-dia. mm	Height with cap mm	Opening-dia. mm	Price/Unit	Price/Unit of (X) units	Article No.	
3,5	198	175	136	11,40	(10) 10,30	1105-3	N3
6	198	266	136	14,60	(24) 13,20	1105-6	N3
10	275	240	205	20,40	(8) 18,70	1105-10	N3
26	316	425	204	34,00	(20) 30,70	1105-26	N3
33	338	450	295	38,50	(36) 35,20	1105-33	N3

② Wide-mouth containers made of HDPE							
Capacity l	Cont.-dia. mm	Height with cap mm	Opening-dia. mm	Price/Unit	Price/Unit of (X) units	Article No.	
5	192	250	110	19,90	(14) 17,90	1407-5	N3
10	232	325	110	27,70	(6) 25,10	1407-10	N3

Storage or transport container made of HDPE. For liquids, powders or granulates. Leakproof closure.

Keep the container upright when transporting liquids!

Packaging buckets



round



Packaging bucket

for transporting, packaging, and storing a variety of materials. Suitable for the food or building material industries, non-aggressive chemicals, environmental protection, hospitals, or domestic use.

160 110 112 125 155 185 215 250 300 350 400 450 500 550 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000 4100 4200 4300 4400 4500 4600 4700 4800 4900 5000

	160	110	112	125	155	185	215	250	300	350	400	450	500
5	190x145x251	250	40,5		4,23	(32)	3,80	1427-5	N3				
10	230x190x310	450	40,5		5,30	(20)	4,75	1427-10	N3				
20	295x245x392	950	48		14,10	(6)	12,90	1427-20	N3				
30	326x284x427	1250	48		20,30	(6)	18,40	1427-30	N3				
C													
					6,00	(10)	5,40	1427-102	N3				
					6,70	(10)	6,10	1427-100	N3				
					0,45	(10)	0,42	1427-105	N3				
					0,95	(10)	0,87	1427-106	N3				

	1	132	131	1,05	(100)	0,95	(500)	0,85	2327-01 <th>N3 </th>	N3
	2	175	132	1,65	(40)	1,52	(480)	1,38	2327-02	N3
	3	225	123	2,08	(45)	1,89	(495)	1,71	2327-03	N3
	5	225	194	2,65	(36)	2,36	(468)	2,14	2327-05	N3
	10	268	263	3,55	(25)	3,25	(600)	3,00	2327-10	N3

Flachmann

Original-seal closure
with tear-off ring

Sturdy handle

Leakproof closure

Jerrycan and closure
made of PP

Holds 5 litres

Suitable for
foodstuffs

Moulded graduation

Stable shape and
resistant to pressure

Easy-running
discharge cock

Attachment with
breechlock nut

Sterilizable and largely
chemical resistant

Discharge angle can be rotat-
ed upward – no afterdripping

Standard thread $\frac{3}{4}$ "

Only 65 mm wide

LaboPlast Flachmann, the compact jerry can

brings more contents onto less shelf width



Stopcock with rotatable discharge angle, which fits canisters equipped with glands with threads 3/4" (see page 38).



The **Flachmann** is ideal as a space-saving container with a width of only 6.5 cm. Different liquids can be stored and decanted in a small space. Flachmann can also be compactly stored laying on its sides e.g. in a refrigerator. It is very stable due to ribbed structure and thick walls. Using the **Support stand** for two or three canisters, any number of canisters can be placed in the open safely. Before autoclaving unscrew the cap so that the threads are not engaged.

- With or without threaded connector 3/4"
- Transparent PP
- Autoclavable without stopcock
- Moulded graduation
- Support stand for jerry cans made of aluminium for secure stand
- StopCock available as accessory

Plastics and Material Qualities

Is polypropylene autoclavable? Can boiling water be filled into an HDPE container? These are a couple examples of the questions we receive and answer on the phone every day.



Flachmann, without threaded connector, with tamper-proof closure

Capacity l	Width mm	Depth mm	Height mm	Opening-dia. mm	Price/Unit	Price/Unit of (X) units	Article No.
5,0	65	335	335	41	23,30	(10) 21,00	0435-5 N4

Flachmann, with threaded connector, just above base

5,0	65	335	335	41	24,90	(10) 22,30	0435-52 N4
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Description	Price/Unit	Price/Unit of (X) units	Article No.
LaboPlast spigot StopCock1 with drip preventer and tapered spout	18,60	(10) 16,70	0525-1 N4
Screw cap 3/4" for threaded connector at base of 0435-	4,01	(10) 3,60	0501-4 N4
Venting valve in screw cap	10,10	(10) 9,00	0435-58 N4
Support stand for 2 compact jerry cans	16,20	(10) 14,70	0435-56 N4
Support stand for 3 compact jerry cans	17,20	(10) 15,30	0435-54 N4

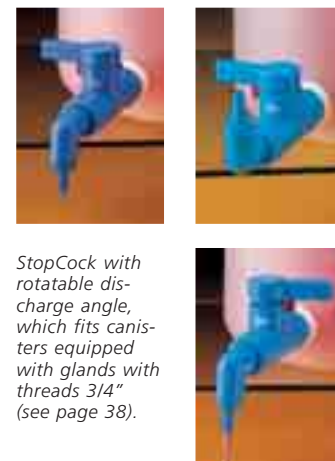


A vertical stack of four horizontal bands in various shades of blue. The top band is the darkest blue and contains two icons: a triangle with '02' and 'ADPE' inside, and a yellow square with a black silhouette of a person. The other three bands are lighter shades of blue and are empty.

A vertical stack of seven horizontal bands in various shades of grey. The top band is the darkest grey and contains a yellow square icon with a black 'C' shape. The other six bands are lighter shades of grey and are empty.

Storage bottles, with or without threaded connector

types with a stop-cock can also be used as aspirators



StopCock with rotatable discharge angle, which fits canisters equipped with glands with threads 3/4" (see page 38).

UV-stabilised, heavy-walled, robust model with stable carrying handle for safe transport and storage. With blue printed-on litre graduations.

can be connected to the thread connector.

The ventilating valve (accessory) allows air to enter the container, in order to prevent the formation of vacuum in it when draining liquid from it.

Stop-cocks or other accessories with a 3/4" inner thread with cap nut

Storage bottles made of HDPE without threaded connection



Capacity l	Bottle-dia. mm	Height capless mm	Opening-dia. appr. mm	Number of handles	Price/Unit	Price/Unit of (X) units	Article No.
5	167	330	50	1	20,20	(11) 18,30	0401-5 N3
10	206	427	50	1	27,10	(6) 24,60	0401-10 N3
25	278	580	50	2	56,00	(5) 51,00	0401-25 N3

Storage bottles made of HDPE

with lateral threaded connection, just above base

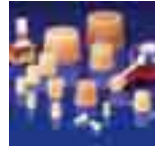


Capacity l	Bottle-dia. mm	Height capless mm	Opening-dia. appr. mm	Number of handles	Price/Unit	Price/Unit of (X) units	Article No.
5	167	330	50	1	27,80	(11) 25,30	0402-5 N3
10	206	427	50	1	34,70	(6) 31,30	0402-10 N3
25	278	580	50	2	64,00	(4) 59,00	0402-25 N3
60	346	830	50	2	111,00	(5) 103,00	0402-60 N3

Description	Price/Unit	Price/Unit of (X) units	Article No.
LaboPlast StopCock NW 8 with drip preventer	18,60	(10) 16,70	0525-1 N4
Ball valve NW 12 with feed tube	41,90	(5) 38,50	0500-1 N4
Ventilation seal for 0401/0402-5 to -60	14,10	(10) 13,10	0401-252 N3
Screw cap 3/4" for threaded connector at base 0402	4,01	(10) 3,60	0501-4 N4

Your Product Idea -

and our technology. Ideas from practical work for practical applications do not only arise on the drawing board, but in close cooperation with you. Let us customize your solution and invent a new product. You can also profit financially from your product ideas. Give us a call to find out how.



Plastic Labware

Trays, bottles, beakers, buckets, racks, pipettes
Protective equipment and other laboratory supplies

170

fish-clip®

Gentle stirring of mechanically sensitive liquids

Completely made from PVDF, outstanding chemical resistance, autoclavable

The stirrer bar "floats" above the magnetic stirrer

Various ways of fastening the support rod

Rotor 15 mm diameter, fits in narrow vessels

For magnetic stirrer bars 6 or 8 mm diameter

Gentle stirring for liquid and vessel base





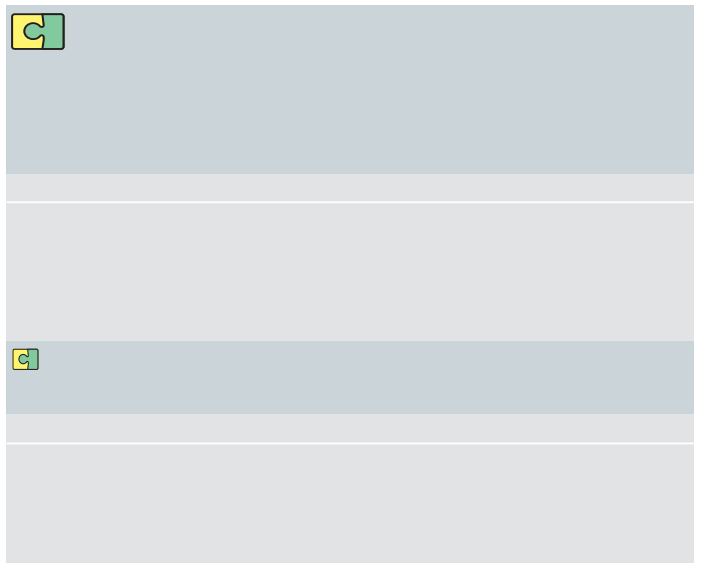
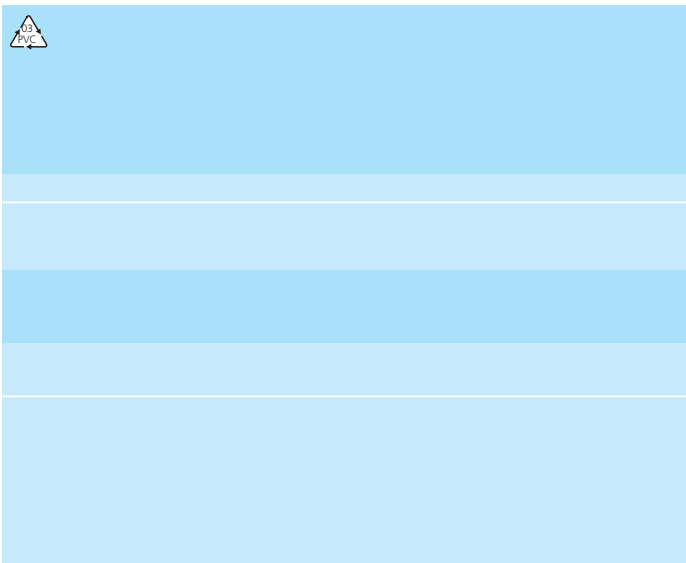
1



2



1	
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Dispenser bottle attachment

simple, safe, accurate



Quick and simple volume setting with the practical setscrew. Volume scale particularly easy to read. Can be freely rotated on the bottle through 360°. No drips when the tip cover is attached.

A direct displacement piston with PFA seal reduces liquid crystallization and prevents the piston from seizing up.

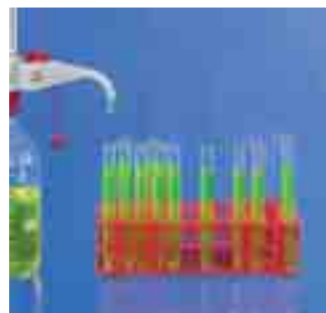
If the glass cylinder should break, spraying risk is reduced by its plastic encasement.

Highest degree of chemical resistance due to use of high-quality materials (PTFE, PFA, FEP, borosilicate glass, platinum-iridium). Can be easily dismantled for cleaning. Whole instrument can be steam sterilized at 121 °C.

Available in four different sizes.

Model Pro Plus with additional innovative back-dosing valve for venting in closed systems (no reagent loss). Medium-specific readjustment by turning the adjustment device.

- error tolerance < 0.5% as per DIN EN ISO
- certificate of conformity as per DIN 12600
- including three thread adapters
- telescopic suction tube (adjustable steplessly)
- Dispenser supplied with quality certificate



Exact addition with low error tolerance



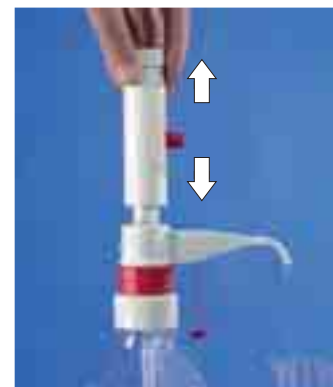
Thread adapters supplied for the commonest bottle necks



Quickly dismantled and cleaned



Set the required volume to be added with the adjustment screw



Piston moves upward: draw in medium. Visual check through transparent cylinder.
Piston moves downward: eject medium

Dispenser Pro Plus with back-dosing valve



Dosage vol. from - to ml	Graduation ml	Thread GL	Thread adapter GL	Price/unit	Article no.	
0,5-5,0	0,1	32	28/S40/45	246,00	7559-10	N2
1,0-10,0	0,2	32	28/S40/45	246,00	7559-11	N2
2,5-25,0	0,5	45	32/38/S40	318,00	7559-12	N2
5,0-50,0	1,0	45	32/38/S40	346,00	7559-13	N2

Dispenser Pro without back-dosing valve

0,5-5,0	0,1	32	28/S40/45	213,00	7559-20	N2
1,0-10,0	0,2	32	28/S40/45	213,00	7559-21	N2
2,5-25,0	0,5	45	32/38/S40	280,00	7559-22	N2
5,0-50,0	1,0	45	32/38/S40	306,00	7559-23	N2

Prices in € – Phone + 49 (0) 7621 9331-16, Fax + 49 (0) 7621 9331-31

т/ф (495) 980-29-37, 311-22-09, 319-22-78, 781-21-58

Automatic Burettes

more accurate than Class B
Titration burette with original Bürkle dosing device



Burettes

made of plastic
breakproof



Burette

A universal aid in the laboratory, electroplating industry, for field analyses, in water treatment plants, etc. Easy dosing is achieved with the press button, fine titration with the micro-screw and precise discharge jet.

The graduation is more precise than Class B and is calibrated so that no liquid remains in the tip. Blue "Colordur" ring graduations.

- breakproof, chemical resistant
- left or right hand operation possible
- sturdy stand, easy dosing
- precise discharge jet, allowing very fine drops

Schilling titration apparatus, consisting of plastic-coated buret made of borosilicate glass 3.3, class B (tolerances as per DIN ISO 385), with Schellbach stripe and high-contrast black printing. Adjusted for Ex. LDPE storage bottle with HDPE base and PP immersion tube.

- Bottle capacity 1000 ml

Burettes with Schellbach stripe, made of borosilicate glass 3.3

Burette capacity ml	Graduation ml	Precision ml	Bottle capacity ml	Height cm	Price/Unit	Price/Unit of (X) units	Article No.
5	0.05	± 0,015	500	48	38,80	(10) 34,90	9695-5 N4
10	0.05	± 0,030	500	57	38,80	(10) 34,90	9695-10 N4
15	0.10	± 0,045	500	49	38,80	(10) 34,90	9695-15 N4
25	0.10	± 0,045	1000	61	38,80	(10) 34,90	9695-25 N4
50	0.10	± 0,045	1000	87	45,30	(10) 40,70	9695-50 N4

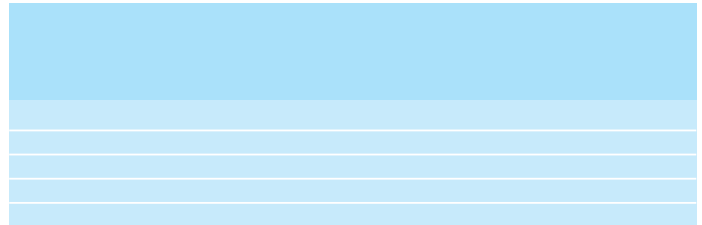
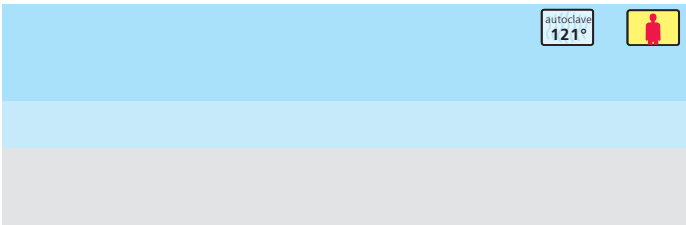
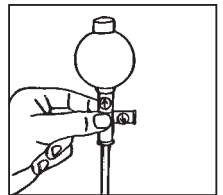
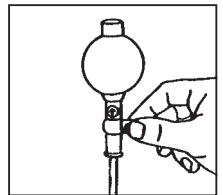
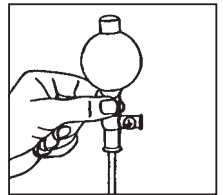
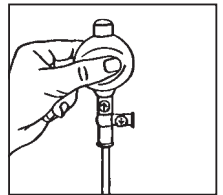
Burette without Schellbach stripe

15	0.10	± 0,045	500	49	35,90	(10) 32,50	9646-15 N4
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Plastic coated Buret with Schellbach stripe

Burette capacity ml	Precision ml	Graduation ml	Price/unit	Article No.
25	0,05	0,05	69,90	9698-25 N2
50	0,1	0,1	77,40	9698-50 N2

Bulk prices

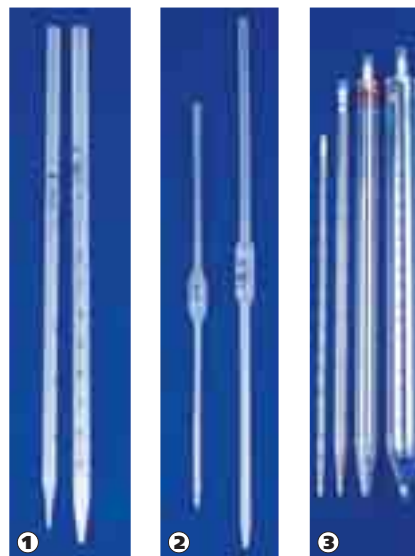


Pi-Pump

safety pipetting aid

Bulk prices

Graduated and Single mark pipettes



1 Graduated pipettes 2 Single mark pipettes

Ideal for education and in the industrial laboratory or in field work and also for applications in which glass pipettes may not be used, e.g. in fluorine and silicate chemistry.

- Translucent PP
- Breakproof

Blue, permanently stained graduations and lettering.

3 Single-use pipettes individually sterile-packed

- Glass-clear polystyrene
- For aqueous solutions

Pi-Pump

fits naturally in your hand. The handwheel ensures precise suction, of fluid into the pipette, the contents can be blown out by pressing back the piston, or allowed to flow out by setting the lateral switch.

- Easy to operate, precise
- Three sizes available (colour-coded)

Drawing in the liquid

The handwheel for operating the suction piston is designed for easy operation using your thumb. When you stop the wheel, the piston remains in the desired position without any discharge of liquid.

Dispensing the liquid

Slight pressure applied to the discharge lever opens the valve and lets the liquid flow out freely. Partial or complete volumes and very small amounts (e.g. from graduation line to graduation line) can be dispensed easily by rotating the handwheel.

Pi-Pump, safety pipetting aid

fits for pipette up to	Colour code	Price/Unit	Price/Unit of (X) units	Article No.
2 ml	blue	9,80	(10) 8,90	7551-2 N3
10 ml	green	9,80	(5) 8,90	7551-10 N3
25 ml	red	10,70	(5) 9,70	7551-25 N3
Silicone adapter		3,15	(10) 2,85	7551-5 N3

① Graduated pipettes made of PP				
Capacity	Price/Unit	Price/Unit of (X) units	Article No.	
10 ml	7,10	(10) 6,50	7550-10	N3
② Single mark pipettes made of PP				
10 ml	10,60	(10) 9,70	7553-10	N3
25 ml	11,60	(10) 11,00	7553-25	N3
50 ml	11,20	(10) 10,20	7553-50	N3
③ Single-use pipettes made of polystyrene				
25 ml	1,21	(50) 1,01	7556-0025	N3
50 ml	2,44	(25) 2,03	7556-0050	N3
100 ml	9,50	(10) 8,00	7556-0100	N3

Pipette rinsing systems

easy, gentle cleaning



Pipette rinsing systems

for the easy and gentle cleaning and the safe storage of pipettes. A complete system which should not be absent from any laboratory.

- Made of transparent PE
- Available in 3 sizes with pipette basket for accessory



① Pipette cleaning vessel

Capacity l	Inner/Outer cylinder-dia. mm	Foot-dia. mm	Height basket container/mm	Effective height mm	Height basket with handle/mm	Price/Unit	Price/Unit of (X) units	Article No.
10.0	155/165	240	550			67,00	(5) 61,00	9654-500 N3
12.5	155/165	240	660			66,00	(5) 59,00	9654-650 N3

② Pipette rinser without pipette basket

17	165	315	740	600		147,00	(5) 133,00	9650-650 N3
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③ Pipette baskets

		145	280		650	28,70	(5) 26,10	9660-650 N3
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Pipette stand

rotatable system



Pipette stand

Rotatable type, base-plate with raised edge which catches dripping liquid. Upper circular plate with 94 openings for different diameter pipettes holds one-mark and graduated pipettes of all sizes.

- PP blue
- Sterilizable up to 121 °C
- Unmounted, space-saving delivery



Pipette stand

Price/Unit	Price/Unit of (X) units	Article No.
35,50	(5) 33,20	9630-94 N3

Laboratory trays

hygienic, easy to clean



Laboratory trays / Spill troughs

Practical all-purpose trays that can be nested into one another when empty. Durable and resist flexing, with strong, rounded rim.

Suitable as a spill trough for environmentally dangerous, aggressive substances, for experiments, an instrument holder, a medicine tray, a photographic development basin, a goods presentation tray or a display tray for food-stuffs.

- White PP
- Produced by injection moulding, not by deep drawing

Sell this product with your good name!

This measuring beaker can be supplied with your own individual advertising message. See page 190.

Plastics and Material Qualities

Is polypropylene autoclavable? Can boiling water be filled into an HDPE container? These are a couple of the type of questions we receive and answer on the phone every day.

You can find an overview of the most important material qualities on page 239.

Capacity l	Tray base inside L x W mm	Tray top outside L x W mm	Overall dims. including rim L x W x H mm	Price/Unit	Price/Unit of (X) units	Article No.	
0.5	130 x 180	140 x 190	180 x 230 x 42	4,15	(10) 3,80	4201-1318	N4
1.5	180 x 240	190 x 250	250 x 310 x 65	7,40	(10) 6,80	4201-1824	N4
3.0	240 x 300	250 x 310	310 x 370 x 75	10,70	(10) 9,90	4201-2430	N4
10.0	300 x 400	310 x 410	420 x 520 x 120	17,40	(10) 15,90	4201-3040	N4
21.0	400 x 500	430 x 530	534 x 634 x 140	30,30	(5) 27,80	4201-4050	N4
39.0	500 x 700	520 x 720	648 x 846 x 160	44,20	(5) 40,20	4201-5070	N4

Photographic trays, shallow form

in a variety of colours and sizes



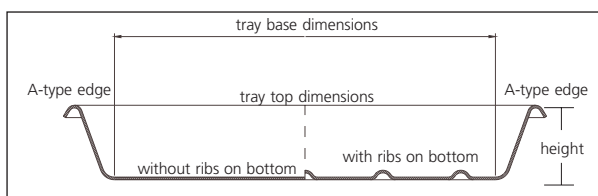
These trays made of PVC come in a variety of shapes and colours. Available in shallow or deep models, with or without ribs on bottom, in 3 attractive, highly glossy colours: white, red and black.

- PVC
- Heavy-walled, durable
- Largely resistant against acids and caustic solutions
- Temperature resistant up to +70 °C

The model with ribs on the bottom is especially well suited as a film development tray. The raised ribs prevent photographic paper from sticking to the tray bottom. Liquid can be poured out easily from the tray edges.



The model without ribs on the bottom is suited for universal laboratory or storage purposes.

Important: The trays for photographic purpose are made of high quality PVC. We do not supply models made of polystyrene.



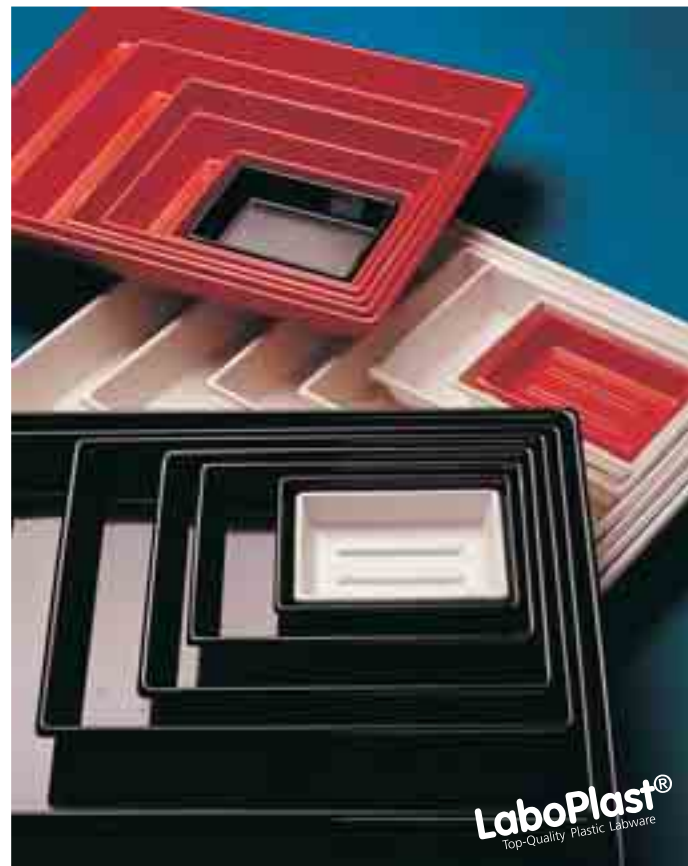
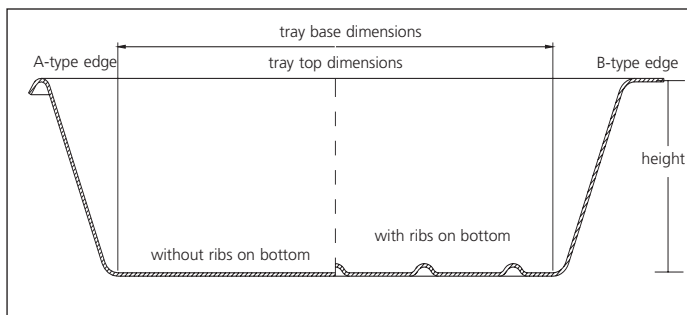
Why don't you join in?

Just photograph Bürkle products in practical use. See front jacket flap

  Photographic trays, shallow form							with ribs on bottom			without ribs on bottom			
Photo-size LxW cm	Tray base LxW cm	Tray top LxW cm	Height mm	Edge shape	Price/Unit	Price/Unit of (X) units	white	red	black	white	red	black	
							Article No.	Article No.	Article No.	Article No.	Article No.	Article No.	
10 x 15	11 x 16	15 x 20	30	A	4,95	(5) 4,50	4202-10151	4202-10152	4202-10153	4203-10151	4203-10152	4203-10153	N4
13 x 18	14 x 19	18 x 23	40	A	6,00	(5) 5,50	4202-13181	4202-13182	4202-13183	4203-13181	4203-13182	4203-13183	N4
18 x 24	19 x 26	24 x 32	50	A	9,00	(5) 8,20	4202-18241	4202-18242	4202-18243	4203-18241	4203-18242	4203-18243	N4
24 x 30	26 x 32	32 x 37	50	A	14,10	(5) 13,00	4202-24301	4202-24302	4202-24303	4203-24301	4203-24302	4203-24303	N4
30 x 40	31 x 41	37 x 47	60	A	23,30	(5) 20,40	4202-30401	4202-30402	4202-30403	4203-30401	4203-30402	4203-30403	N4
40 x 50	42 x 51	48 x 58	60	A	44,40	(5) 40,40	4202-40501	4202-40502	4202-40503	4203-40501	4203-40502	4203-40503	N4
50 x 60	51 x 61	59 x 68	70	A	63,00	(5) 57,00	4202-50601	4202-50602	4202-50603	4203-50601	4203-50602	4203-50603	N4

Photographic trays, deep form

in a variety of colours and sizes



Photographic trays, deep form							with ribs on bottom			without ribs on bottom		
Photo-size LxW cm	Tray base LxW cm	Tray top LxW cm	Height mm	Edge shape	Price/ Unit	Price/Unit of (X) units	white	red	black	white	red	black
							Article No.	Article No.	Article No.	Article No.	Article No.	Article No.
18 x 24	19 x 26	26 x 34	85	A	13,80	(5) 12,80				4207-18241	4207-18242	4207-18243
24 x 30	26 x 32	33 x 39	100	A	22,20	(5) 20,30	4206-24301	4206-24302	4206-24303	4207-24301	4207-24302	4207-24303
30 x 40	31 x 41	43 x 53	105	B	28,20	(5) 25,60	4206-30401	4206-30402	4206-30403	4207-30401	4207-30402	4207-30403
40 x 50	42 x 51	52 x 61	110	B	53,00	(5) 47,60	4206-40501	4206-40502	4206-40503	4207-40501	4207-40502	4207-40503
50 x 60	51 x 61	63 x 73	110	B	75,00	(5) 69,00	4206-50601	4206-50602	4206-50603	4207-50601	4207-50602	4207-50603



Instrument trays

durable and inflexible,
steam sterilizable



Instrument trays

for multiple uses: in laboratories, doctors' surgeries, hospitals, pharmacies, the foodstuffs industry – wherever there is a need for clean storage of instruments, equipment, goods and precision parts.

- Made of white melamine resin
- Tray autoclavable without lid

Accessory glass-clear polystyrene lids are available. These provide a clear view of the contents and dust-free storage.

Instrument trays

Capacity ml	Overall L x W x H mm	Price/Unit	Price/Unit of (X) units	Article No.	
500	210x110x35	7,20	(10) 6,60	4230-500	N3
700	190x150x40	5,70	(10) 5,10	4230-700	N3
1000	290x160x35	7,70	(10) 7,00	4230-1000	N3
1800	290x160x60	9,80	(10) 8,80	4230-1800	N3
2300	350x250x40	15,00	(10) 13,70	4230-2300	N3
5500	350x250x100	18,90	(10) 17,20	4230-5500	N3

Lid for Instrument trays

for tray 500 ml	4,95	(10) 4,50	4230-501	N3
for tray 700 ml	6,50	(10) 5,90	4230-701	N3
for tray 1000 ml and 1800 ml	7,40	(10) 6,80	4230-1001	N3
for trays 2300 ml and 5500 ml	9,70	(10) 8,80	4230-2301	N3

Instrument servers

durable and inflexible,
steam sterilizable



for multiple uses – wherever there is a need for clean storage of instruments, equipment, goods and precision parts.

- Made of white melamine resin

Instrument servers

Overall L x W x H mm	Price/Unit	Price/Unit of (X) units	Article No.	
190x150x17	4,25	(10) 3,95	4240-1915	N3
240x180x17	5,70	(10) 5,20	4240-2418	N3
268x208x17	7,50	(10) 6,90	4240-2721	N3
355x240x17	11,00	(10) 10,10	4240-3624	N3
428x288x17	18,50	(5) 16,90	4240-4329	N3



General purpose container



Stable general-purpose container with cover. For all ranges of medicine or foodstuffs and whenever else tools and devices need to be kept clean.

- unbreakable
- PE transparent
- Suitable for foodstuff

Capacity l	Overall L x B x H mm	Weight kg	Price/unit	Article No.
Container	290 x 220 x 110	0.3	11,90	4250-30231 N2
Cover	300 x 230 x 30	0.25	9,70	4250-30232 N2



Funnels

transparent, available in 25 sizes



General purpose funnels, barrel funnels and powder funnels for reliable filling.

1 General purpose funnels, PP or PE with suspension eyelet						
Funnel dia. mm	Outlet dia. mm	Material	Price/Unit	Price/Unit of (X) units	Article No.	
40	5	PP	0,41	(48)	0,38	9602-40 N3
60	8	PE	0,68	(48)	0,62	9602-60 N3
80	11	PE	0,77	(48)	0,69	9602-80 N3
100	10	PP	1,20	(48)	1,09	9602-100 N3
120	13	PP	1,58	(24)	1,44	9602-120 N3
140	16	PE	2,04	(24)	1,86	9602-140 N3
160	18	PE	2,45	(24)	2,21	9602-160 N3

Funnel stands see page 187.

2 Barrel funnels, PP with suspension eyelet						
Funnel dia. mm	Outlet dia. mm	Price/Unit	Price/Unit of (X) units	Article No.		
200	25	5,50	(14)	4,90	9602-200	N3 ¹⁾
250	28	9,40	(12)	8,50	9602-250	N3 ¹⁾
350	32	19,10	(5)	17,40	9602-350	N3
400	40	45,10	(5)	40,80	9602-400	N3
450	35	64,00	(5)	56,00	9602-450	N3

3 Powder funnels, PP						
Funnel dia. mm	Outlet dia. mm	Price/Unit	Price/Unit of (X) units	Article No.		
80	23	1,77	(20)	1,59	9606-80	N3
100	26	1,83	(20)	1,64	9606-100	N3
150	30	3,50	(10)	3,15	9606-150	N3
250	50	8,90	(10)	8,00	9606-240	N3 ²⁾
350	65	25,30	(5)	24,40	9606-350	N3

²⁾ Made of PE with sieve made of phosphor-bronze

Funnel stands see page 187.

Filtering stand

reliable and practical



Filtering stand

with tapered openings to accommodate funnels with diameters from 40 to 160 mm.

- Made of white PP, unbreakable in normal use
- Usable for 2 or 4 funnels
- With variable height adjustment

Funnels

Büchner funnels



Büchner funnels

easily cleaned, indestructible. The filter diameters correspond to standard commercial filter paper diameters.

- Made of white PP

Sedimentation funnel and Funnel stand



Sedimentation funnel, Imhoff cone

- Made of glass-clear SAN, unbreakable
- With emptying stopper
- According to DIN 12672
- Graduated up to 1000 ml


Funnel stand

for safe storage and transport of sediment funnels.


LxWxH 300 x 220 x 450 mm

- Made of AISI 304 stainless steel
- Suitable for 2 funnels
- With handle, hinged

Filtering stand				
Model for	In-serts	LxWxH cm	Price/Unit	Article No.
2 funnels	2	30x14x48	37,80	9622-2 N4
4 funnels	2	55x15x50	101,00	9622-4 N4

 Funnels can be found on page 186.

Büchner funnels, PP					
for filter paper dia. mm	Number holes/ dia. mm	Outlet dia. mm	Price/unit	Price/Unit of (X) units	Article No.
45	45/1,0	9,5	7,40	(5) 6,80	9609-45 N3
55	53/1,0	11	8,80	(5) 7,70	9609-55 N3
70	58/1,5	11	8,70	(5) 7,80	9609-70 N3
80	66/1,5	11,5	10,60	(5) 9,70	9609-80 N3
90	70/2,0	11	14,50	(5) 13,20	9609-90 N3
110	90/2,0	22,5	19,70	(5) 17,70	9609-110 N3
160	110/2,5	20	34,10	(5) 30,70	9609-160 N3
240	150/3,0	25	61,00	(5) 54,00	9609-240 N3

 autoclave 121°

Sedimentation funnel, Imhoff cone			
Price/Unit	Price/Unit of (X) units	Article No.	
24,90	(3) 22,60	7118-1000	N3

Funnel stand			
Price/Unit	Price/Unit of (X) units	Article No.	
69,00	(3) 64,00	7119-2	N3

Graduated beakers with handle







highly transparent or glass-clear,
convenient, multifunctional



PP jugs are practically indestructible and highly transparent. SAN jugs are glass-clear, suitable for foodstuffs, are durable and have especially good readability.

Graduated jugs are often used as advertising materials for chemical products. The smooth surface makes it possible to print a logo or advertising message too. See also page 190.



Bulk prices available					 			 			 		
Graduated beakers					Made of PP with durable embossed blue graduations			Made of PP with durable embossed graduations			Made of glass-clear SAN with durable embossed graduations		
Capacity ml	Smallest graduation ml	Dia. top mm	Dia. bottom mm	Height mm	Price/Unit	Price/Unit of (X) units	Article No.	Price/Unit	Price/Unit of (X) units	Article No.	Price/Unit	Price/Unit of (X) units	Article No.
100	2	50	40	80	1,28	(24) 1,17	7104-100 N3	1,10	(24) 0,98	7102-100 N3			
250	5	70	50	120	2,35	(24) 2,13	7104-250 N3	2,10	(24) 1,93	7102-250 N3			
500	10	91	75	133	2,70	(12) 2,42	7104-500 N3	2,35	(12) 2,13	7102-500 N3	3,30	(12) 3,00	7106-500 N3
1000	10	116	95	170	3,60	(6) 3,30	7104-1000 N3	3,40	(6) 3,05	7102-1000 N3	4,90	(6) 4,45	7106-1000 N3
2000	20	150	125	215	7,00	(6) 6,50	7104-2000 N3	7,00	(6) 6,50	7102-2000 N3	9,10	(6) 8,20	7106-2000 N3
3000	50	170	120	242	9,60	(6) 8,60	7104-3000 N3	9,60	(6) 8,60	7102-3000 N3	11,30	(6) 10,40	7106-3000 N3
5000	100	210	160	270	13,90	(6) 12,80	7104-5000 N3	13,90	(6) 12,80	7102-5000 N3			

Graduated beakers, stackable

Universal Graduated beakers



with safe spout



Stackable Graduated beakers
Conical shape, with printed blue graduations and side handle. Jugs are stackable for space-saving storage.

- Made of transparent PP
- Sterilizable
- Breakproof
- High chemically resistance



Universal disposable graduated beakers
with indestructible graduation. The 3 dimpled spouts enable the safe pouring of liquids.

- Transparent PP, autoclavable
- Space-saving stacking in one another



These products are ideal for printing with custom logos or messages – see also page 190

Bulk prices available						
Capacity ml	Smallest graduation ml	Height mm	Dia. top mm	Price/Unit	Price/Unit of (X) units	Article No.
500	10	100	140	2,70	(12) 2,42	7110-500 N3
1000	10	167	125	3,60	(12) 3,30	7110-1000 N3
2000	20	212	148	7,00	(12) 6,40	7110-2000 N3
3000	50	242	170	9,60	(12) 8,60	7110-3000 N3

Bulk prices available						
Capacity ml	Dia. top/base mm	Graduation ml	Price/Unit	Price/Unit of (X) units	Article No.	
50	31/45	5	0,58	(100) 0,50	7109-0050	N3
100	38/55	10	0,64	(100) 0,59	7109-0100	N3
250	48/75	10	0,90	(100) 0,81	7109-0250	N3
400	51/83	20	1,24	(100) 1,14	7109-0400	N3
800	66/105	50	1,35	(100) 1,15	7109-0800	N3
1000	72/113	50	1,50	(100) 1,38	7109-1000	N3



Advertise with your good name

Products with individual customer-specific printing



Advertise with your good name

Many articles in this catalog are outstandingly suitable for carrying your advertisements. No matter whether as a promotional gift or as a supplement to your own product: your name is always present.

- More permanent than labels
- Long-term advertising effect
- Economical

Printable products

- Pressure atomiser (page 152)
- Laboratory trays (pages 181f)
- Photographic trays (pages 182f)
- Buckets (pages 206f, 165)
- Measuring scoops (pages 90 – 98 and 184)
- Bottles
- Flow indicators (pages 216f)



Printing subjects

Company logos, instructions for use, advertising messages, table of contents, scales – we set no limits to your fantasies or wishes.

Colors

We can print in all the usual color scales such as RAL, Pantone, HKS or to your color sample.



Printing area

The area that can be printed depends on the particular product. We will be pleased to advise you.

Resistance

The printing is resistant to weak acids and alkalis, and to most solvents. It is very resistant to both mechanical damage and light. Your advertising message will not fade even after many years of use.



From artwork to print

- 1 You send us your copy or artwork. Digitally, by mail or fax – we can process virtually any data format. We would also be pleased to accept your finished print film.
- 2 On request we can also supply a layout according to your drawings.
- 3 After a few days you will receive a proof sheet for your acceptance.
- 4 In our works your advertising message will be permanently applied in top-quality screen printing.

Costs

We treat each print job individually. As each print job is different, we always make a separate offer for each inquiry. The total cost is made up of the price of the product, preliminary costs (finalizing the artwork and making the screen) and printing costs.



Example for price

Article No.	7102-500
Article	Grad.beakers 500 ml
Print	Single-coloured from fair drawing
Number	2000 pcs.
Price/Unit	1,83 €

Any further questions ?

Have you any further questions or do you require a detailed offer? Please contact your usual salesperson, who will be pleased to provide you with competent advice.

Laboratory beakers / Griffin beakers

transparent, breakproof, temperature-resistant, multifunctional

Bulk prices available

Laboratory beakers according to DIN 12331 and ISO 7056 (glass), are available in different plastics and are consequently suitable for a variety of tasks. The construction material is printed on the beakers in order to aid their identification.

Custom printing is available for bulk orders of these products – see page 190.



Griffin beakers made of PP

- Translucent
- Blue-printed graduations
- Breakproof
- Sterilizable



Griffin beakers made of PMP

- Transparent
- Red-printed graduations
- Breakproof
- Sterilizable



Griffin beakers made of PFA

- Translucent
- Embossed graduations
- Meet ISO 7056
- Resistant to high temperatures and chemical attack.

Sell this product with your good name!

This measuring beaker can be supplied with your own individual advertising message. See page 190.

Griffin beakers				① Made of PP with blue graduations			② Made of PMP with red graduations			Made of PFA with embossed graduations			
Capacity ml	Graduation ml	Dia. mm	Height mm	Price/Unit	Price/Unit of (X) units	Article No.	Price/Unit	Price/Unit of (X) units	Article No.	Capac. ml	Grad. ml	Price/Unit	Article No.
10	2,0	25	35	0,86	(24) 0,80	7122-10 N3	1,14	(12) 1,04	7130-10 N3	–	–	–	–
25	5,0	31	47	0,85	(12) 0,79	7122-25 N3	1,14	(12) 1,04	7130-25 N3	25	5,0	14,80	7210-0025 N3
50	10,0	40	60	0,93	(12) 0,86	7122-50 N3	1,53	(12) 1,40	7130-50 N3	50	10,0	19,00	7210-0050 N3
100	20,0	49	70	1,11	(12) 1,01	7122-100 N3	1,89	(12) 1,71	7130-100 N3	100	20,0	26,50	7210-0100 N3
150	20,0	56	80	1,51	(12) 1,38	7122-150 N3	2,49	(12) 2,27	7130-150 N3	–	–	–	–
250	50,0	68	94	1,51	(6) 1,38	7122-250 N3	2,49	(6) 2,27	7130-250 N3	250	50,0	44,40	7210-0250 N3
400	50,0	85	109	2,17	(6) 1,96	7122-400 N3	3,60	(6) 3,30	7130-400 N3	–	–	–	–
500	50,0	88	122	2,32	(6) 2,09	7122-500 N3	4,01	(6) 3,70	7130-500 N3	500	50,0	70,00	7210-0500 N3
600	100,0	91	125	2,38	(6) 2,17	7122-600 N3	4,35	(6) 4,01	7130-600 N3	–	–	–	–
1000	100,0	102	149	3,60	(6) 3,30	7122-1000 N3	6,60	(6) 6,00	7130-1000 N3	1000	100,0	103,00	7210-1000 N3
2000	200,0	133	183	6,70	(6) 6,10	7122-2000 N3	10,80	(6) 10,00	7130-2000 N3				
3000	200,0	174	214	13,10	(4) 11,90	7122-3000 N3	19,30	(4) 17,70	7130-3000 N3				
5000	500,0	185	248	17,00	(4) 15,40	7122-5000 N3	25,90	(4) 23,40	7130-5000 N3				

Graduated cylinders – tall form

breakproof, stable, glass-clear or transparent



Graduated Cylinders, tall-form, to DIN 12681 (Glass)/ISO 6706, hexagonal base.

For use in industrial laboratories, during field work and wherever volumetric measurements have to be made during production.



Graduated Cylinders, PP

- Class B
- Made of translucent PP
- Embossed graduations with rings at main points
- Sterilizable
- Breakproof at room temperature



Graduated Cylinders, PP

- Class B
- Made of translucent PP
- Embossed blue graduations with rings at main points
- Sterilizable
- Breakproof at room temperature

Graduated cylinders					PP, with embossed graduations					PP, with embossed blue graduations				
Capacity ml	Graduation ml	Outer-cylinder-dia. mm	Hexagonal foot-dia. mm	Height mm	Price/Unit	Price/Unit of (X) units		Article No.		Price/Unit	Price/Unit of (X) units		Article No.	
50	1	28	55	199	2,22	(12)	2,02	7502-50	N3	4,01	(12)	3,70	7503-0050	N3
100	1	34	65	260	2,90	(12)	2,55	7502-100	N3	5,20	(12)	4,70	7503-0100	N3
250	2	47	75	315	4,75	(6)	4,35	7502-250	N3	8,10	(6)	7,40	7503-0250	N3
500	5	61	95	350	6,50	(6)	5,90	7502-500	N3	10,70	(6)	9,80	7503-0500	N3
1000	10	76	125	415	8,90	(6)	8,00	7502-1000	N3	14,50	(6)	13,20	7503-1000	N3
2000	20	97	160	482	20,00	(3)	18,20	7502-2000	N3	26,20	(3)	23,80	7503-2000	N3

Graduated Cylinders, Tall Form

breakproof, stable, glass-clear or transparent



Grad. Cylinders

conformity certified, breakproof, stable, glass-clear



Graduated Cylinders, SAN

- Class B
- Made of transparent SAN
- Embossed graduations with rings at main points

Graduated Cylinders, PMP

- Class A
- Made of transparent PMP
- Embossed graduations with rings at main points
- Sterilizable
- Breakproof at room temperature

Graduated Cylinders, PMP

Certified conformity acc. to DIN 12681.

- Class A
- Conformity certified (H)
- Made of transparent PMP
- Embossed graduations with rings at main points
- With Test Certificate indicating lot number and year of production, also on the cylinder



Made of SAN

Price/Unit	Price/Unit of (X) units	Article No.
4,01	(12) 3,70	7506-50 N3
5,80	(12) 5,30	7506-100 N3
9,40	(6) 8,50	7506-250 N3
12,30	(6) 11,10	7506-500 N3
14,90	(6) 13,60	7506-1000 N3
30,50	(3) 27,80	7506-2000 N3



Made of PMP

Price/Unit	Price/Unit of (X) units	Article No.
4,15	(12) 3,85	7510-50 N3
5,50	(12) 5,00	7510-100 N3
8,60	(6) 7,70	7510-250 N3
12,90	(6) 11,60	7510-500 N3
19,70	(6) 18,00	7510-1000 N3
32,40	(3) 29,50	7510-2000 N3



Graduated Cylinders made of PMP

Capacity ml	Graduation ml	Price/Unit	Price/Unit of (X) units	Article No.
50	1	6,90	(12) 6,40	7512-50 N3
100	1	9,40	(12) 8,50	7512-100 N3
250	2	14,60	(6) 13,30	7512-250 N3
500	5	21,90	(6) 19,90	7512-500 N3
1000	10	31,70	(6) 28,90	7512-1000 N3
2000	20	53,00	(6) 47,40	7512-2000 N3

Standard bungs

made of soft red PVC



Laboratory standard bungs

with good chemical resistance against acids and caustic solutions.

- Made of soft red PVC (shore 65)

Standard bungs

made of silicone rubber



Standard bungs made of silicone rubber translucent, amber-coloured, physiologically and biologically inert.

- Temperature resistant in the range of -70°C to + 250°C
- Sterilizable
- Non-toxic

Bungs


for standard ground glass stopper cones




Bungs for standard ground glass stopper cones

made of PE, hollow with sealing rings and octagonal head.

- Made of PE

			Bulk prices	
Dia. bottom mm	Dia. top mm	Height mm	Price/ Unit	Article No.
6	10	20	0,36	9763-0610 N3
9	13	20	0,41	9763-0913 N3
11	15	20	0,46	9763-1115 N3
14	18	20	1,62	9763-1418 N3
16	21	25	1,93	9763-1621 N3
19	24	25	1,99	9763-1924 N3
22	27	25	2,23	9763-2227 N3
25	31	30	2,35	9763-2531 N3
28	34	30	2,41	9763-2834 N3
31	38	35	2,55	9763-3138 N3
34	41	35	2,33	9763-3441 N3
38	45	35	2,55	9763-3845 N3
42	49	35	3,14	9763-4249 N3
46	54	40	3,80	9763-4654 N3
50	60	45	4,35	9763-5060 N3

			Bulk prices	
Dia. bottom mm	Dia. top mm	Height mm	Price/ Unit	Article No.
5	9	20	0,21	9764-0610 N3
8	12	20	0,27	9764-0913 N3
10,5	14,5	20	0,32	9764-1115 N3
14	18	20	0,47	9764-1418 N3
17	22	25	0,75	9764-1621 N3
18	24	30	0,99	9764-1924 N3
21	27	30	1,29	9764-2227 N3
26	32	30	2,08	9764-2531 N3
29	35	30	2,70	9764-2834 N3

			Bulk prices	
NS	Dia. bottom mm	Dia. top mm	Price/ Unit	Article No.
7/16	5,9	7,5	0,24	9760-75 N3
10/19	8,2	10,0	0,35	9760-10 N3
12/21	10,4	12,5	0,41	9760-12 N3
14/23	12,1	14,5	0,44	9760-14 N3
19/26	16,4	19,0	0,52	9760-19 N3
24/29	21,1	24,0	0,60	9760-24 N3
29/32	25,8	29,0	0,77	9760-29 N3
34/35	31,0	34,5	1,45	9760-34 N3
45/40	41,0	45,0	1,76	9760-45 N3

Erlenmeyer flasks

breakproof



Erlenmeyer flasks, wide-necked
with tightly sealing screw cap.
Breakproof, sterilizable.

- Made of highly transparent PP
- Can also be plugged with NS-cone (standard ground glass stopper)

Volumetric flasks with screw-cap, PP



Volumetric flasks with screw-cap,
made of PP

To DIN 12664 (glass) / ISO 1042, translucent, ring-marked, class B.

- Breakproof
- Sterilizable
- Can also be plugged with NS-cone (standard ground glass stopper)

Volumetric flasks Class A, PMP



Volumetric flasks, Class A, made of PMP

To EN ISO 1042 (glass), translucent, individually ring-marked, class A, with standard ground glass stoppers made of PP, with imprinted Lot No. and Certificate.

- Breakproof
- Sterilizable
- With stopper

Capac- ity ml	Seal thread	Height x dia. mm	Price/ Unit	Price/Unit of (X) units	Article No.
50	40	90x52	3,45	(12) 3,14	7166-50 N3
100	40	110x65	3,75	(12) 3,45	7166-100 N3
250	52	150x85	5,40	(6) 4,90	7166-250 N3
500	52	180x105	6,40	(6) 5,70	7166-500 N3
1000	52	230x135	8,50	(6) 7,70	7166-1000N3

Capac- ity ml	Seal thread	Height x dia. mm	Price/ Unit	Price/Unit of (X) units	Article No.
25	18	115x39	6,00	(6) 5,40	7162-25 N3
50	18	150x48	7,50	(6) 6,90	7162-50 N3
100	18	180x60	8,10	(6) 7,40	7162-100 N3
250	25	235x80	10,10	(5) 9,30	7162-250 N3
500	25	270x100	10,50	(4) 9,60	7162-500 N3
1000	25	310x125	12,00	(3) 10,90	7162-1000 N3

Capac- ity ml	Standard stopper	Height x dia. mm	Price/ Unit	Price/Unit of (X) units	Article No.
25	10/19	115x39	7,80	(6) 7,20	7165-0025 N3
50	10/19	150x48	10,20	(6) 9,40	7165-0050 N3
100	14/23	180x60	11,40	(6) 10,50	7165-0100 N3
250	19/26	235x80	14,50	(5) 13,20	7165-0250 N3
500	19/26	270x100	15,00	(4) 13,70	7165-0500 N3
1000	24/29	310x125	17,40	(3) 15,80	7165-1000 N3

Desiccators

unbreakable, lightweight,
vacuum-tested

VacuMan – air pump



for straight forward manual collecting of air and other gases



Plastic desiccators are unbreakable and lightweight – two essential advantages! With stopcock, for vacuums up to 980 mbar. Base and desiccator plate are made out of polypropylene, the lid is crystal-clear polycarbonate with both a non-return valve and a venting valve. O-ring seal made of polychlorobutadiene-rubber. 60 °C max. continuous temperature.

- Perforated plate available as an accessory
- Includes O-ring
- Tubing connection fits hoses with internal dia. 8.5 mm

VacuMan – air pump

Manual pump that can generate a vacuum or pressure independent of a power supply. Suction pressure to 815 mbar. Maintenance-free, self-lubricating, substantial corrosion-resistance. Connection for hoses with 6 mm internal diameter.

Available in PVC or aluminum for heavy duty.

- With or without pressure gauge
- Sampling set with suction hose and sample container
- Adapter set for tubing from 5 to 14 mm

① Desiccators							
Inner Dia. mm	Outer Dia. mm	Height mm	Fits for	Price/Unit	Price/Unit of (X) units	Article No.	
150	175	190		55,00	(5) 42,80	9791-1	N3
200	235	230		91,00	(5) 82,00	9791-2	N3
250	285	300		109,00	(5) 100,00	9791-3	N3
② Desiccator plates							
141			9791-1	6,10	(5) 5,60	9791-11	N3
190			9791-2	8,40	(5) 7,50	9791-21	N3
239			9791-3	9,30	(5) 8,50	9791-31	N3
③ O-Rings							
			9791-1	2,80	(5) 2,48	9791-12	N3
			9791-2	3,80	(5) 3,55	9791-22	N3
			9791-3	5,60	(5) 5,00	9791-32	N3

① VacuMan – air pump							
Pressure gauge	Material	Stroke ml	Vacuum mbar	Pressure max bar	Price/unit	Article No.	
① yes	PVC	18	815	-	79,00	5621-18	N3
yes	PVC	36	815	-	94,00	5621-36	N3
② no	PVC	36	815	-	77,00	5620-36	N3
③ yes	Alu	18	815	-	139,00	5621-180	N3
④ VacuMan – pressure and vacuum pump							
④ yes	PVC	18	815	+ 1,5	129,00	5623-18	N3
⑤ yes	Alu	18	815	+ 1,5	218,00	5623-180	N3
⑥ Adapter set					7,80	5620-10	N3
⑥ Drawing off set, hose and collection container					19,80	5620-20	N3

Water-jet pump

resistant against chemicals, high output, low water consumption



For withdrawing liquids and gases, and for creating vacuums; simple operation and easy cleaning. The vacuum connection can be unscrewed and a variety of water inlet connections (R 3/4" sleeve nut, R 1/2" reducing adapter and 10 – 12 mm o.d. tubing nozzle) simplify connection to most water sources.

Suction tube connection:

6 - 9 mm external diameter nozzle, G1 14 screw cap
Materials: PP, PTFE. Viton®

Water consumption¹⁾: approx. 190 l/hour with 3.5 bar (absolute). 6 l of water are needed to evacuate a 1 l pressure vessel from normal pressure to final pressure

Suction capacity¹⁾: 400 l/hour

Evacuation time: for a 1 l pressure vessel, from normal pressure to 100 mbar; 60 sec. (± 10 sec.)

Final pressure¹⁾: ≤16 mbar

¹⁾ at 3.5 bar water pressure and 12° C water temperature

Continuous use temperature: up to a max. of 80° C

Test-tube racks

sterilizable, stackable, suitable for water baths



Universal Test-tube racks made of PP with retention system


Allows all test tubes to be emptied simultaneously.



Available in 4 sizes. For test tubes in most standard diameters.

- Coloured PP, breakproof
- Steam sterilizable up to + 121 °C
- Available in 3 colours
- Dimension: 246 x 104 x 64 mm

Alphanumerically marked positions for specific identification of samples.

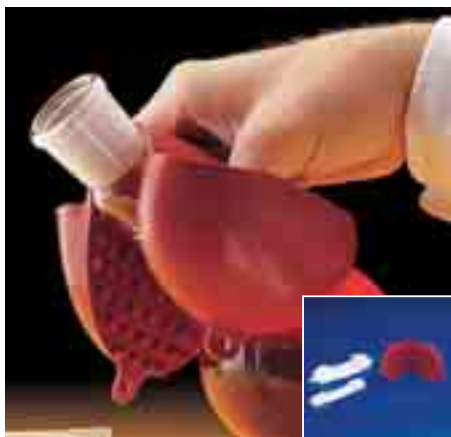
Water-jet pump, 3/4" connector

	Price/Unit	Price/Unit of (X) units	Article No.	
including 1/2" adapter	36,50	(10) 33,20	9668-2	N3
 3/8" adapter	4,80	(10) 4,25	9668-10	N3
M 22 x 1 adapter (perlator thread)	4,75	(10) 4,23	9668-11	N3

 			white	blue	red
Test-tube racks with retention system			Article No.	Article No.	Article No.
For tube dia. up to ... mm	Quantity tubes	Price/Unit			
16	60	8,70	9635-21	9635-25	9635-22 N3
20	40	8,70	9635-31	9635-35	9635-32 N3
25	24	10,50	9635-41 ¹⁾	9635-45 ¹⁾	9635-42 ¹⁾ N3
¹⁾ without retention system					

HotGrip

heat protection for your hands



HotGrip

made of silicone rubber which is highly resistant to both heat and cold. It protects fingers, hands and work surfaces from burns and freezing when working with apparatus which has extreme temperatures. HotGrip is resistant to temperatures from - 60 °C to + 200 °C (short-term up to + 250 °C). Deep frozen, hot or even boiling substances and apparatus can be safely handled and positioned. Silicone rubber is extremely elastic and slip-proof, so that even smooth surfaced apparatus such as hot glass flasks can be securely gripped.

HotGrip is available in three sizes

- HotGrip 1 as a glove for the whole hand
- HotGrip 2 for one finger only
- HotGrip 3 for thumb and 2 to 3 fingers

Type	Price/Unit	Price/Unit of (X) units	Article No.
HotGrip 1	16,90	(10) 15,90	9768-1 N3
HotGrip 2	21,20	(10) 20,10	9768-2 N3
HotGrip 3	28,00	(10) 26,50	9768-3 N3

PolyGrip

Gripping tongs for hot objects



PolyGrip

the practical gripping tong for hot objects. Adjustable gripping distance, the slip-proof inner side is resistant to temperature up to 110 °C. Gripping range 65 mm.

- Gripping tong made of ABS
- Non-slip inner surface of the tong

Price/Unit	Price/Unit of (X) units	Article No.
17,10	(50) 15,40	9768-6 N3

Mercury collector



Mercury collector

Bürkle's mercury collector enables the easy collection of spilt mercury, which can then be used again.

The mercury collector is composed of a PE tub. Within the screw cap lid there is a special plastic foam insert. On pressing this foam gently on the spilt mercury, the foam's pores are opened and the mercury globules are absorbed. When raised, the foam's pores are sealed again, thus keeping hold of the mercury. The cap is then screwed on the tub, the globules are released again and fall through the perforated separation into the tub.

Price/Unit	Price/Unit of (X) units	Article No.
20,40	(10) 18,40	9789-1 N4
Spare plastic foam insert		
3,35	(10) 3,00	9789-2 N4

SnowPack – dry ice machine

-79 °C cryogenic cooling on-tap



SnowPack enables you to obtain a -79 °C dry ice tablet weighing 30 or 500 g within one minute, without complicated technology and without electricity! You can therefore obtain low-cost cooling to very low temperatures at any time you like. Snow pack 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 odourless and easy to handle. The SnowPack dry ice machine can be installed on any commercial CO₂-bottle with a standpipe valve (thread 1/14 inch withworth), these are often already present in many production facilities and laboratories. If this is not the case, a bottle can be rented for a small price from a local specialist gas distributor.

- Ideal coolant for transporting samples
- Available in 2 different sizes

Using SnowPack is easy:

1. Simply screw SnowPack onto a CO₂ cylinder equipped with an ascending tube valve
2. Open the valve: CO₂ gas flows into SnowPack and crystallizes to form dry ice
3. Open the Velcro seal all the way round
4. Remove the dry ice tablet

SnowPack – dry ice machine

Tablet dia. x H	Weight g	Gas escape unit approx. min	Tablets per 22 kg bottle approx.	Price/ Unit	Article No.
50 x 22	30	1.0 min	110 ¹⁾	171,00	9805-30 N
100 x 75	500	2.5 min	7 ¹⁾	241,00	9805-500 N

¹⁾ Performance depends on ambient temperature and pressure

Safety equipment

for emergency use when handling dangerous substances

EyesFlush Eye shower



1 "Eyes Fresh" Mini eyewash station

Perfect for laboratories, filling stations and all work places, where aggressive substances are used. EyesFresh delivers streams of cold water immediately upon opening the tap. For normal use of the tap, just press the button. Afterwards, EyesFresh returns automatically to eyewash-function.

Eyes Fresh can be fitted onto all cold water taps with 1/2" thread (outer thread M22x1) without extra installation work.



2 Eye rinsing bottle

transparent PE, unfilled 600 ml capacity, with valve, dust protection cap, drain-tube and 'Instructions for use' printed on the bottle.



EyesFlush Eye shower according to DIN 12899

for rapid mounting on your laboratory water-fitting.

With a little effort providing a lot of safety, these eye showers were developed for simple installation on a cold water fitting.

The external shower head, which emits a broad spray, sprays the whole face in addition to both eyes. With elastic rubber caps against injury of eyes.

- Connection 1/2" thread inside

1 "Eyes Fresh" Mini eyewash station

	Price/Unit	Price/Unit of (X) units	Article No.
	111,00	(5) 102,00	2515-1 N3
2 Eye rinsing bottle	24,40	(10) 22,10	2509-1 N3
3 Wall fixture	12,70	(10) 11,30	2509-2 N3

EyesFlush Eye shower

Number of shower-heads	Direction	Price/Unit	Article No.
1	Vertical	142,00	2515-20 N2
1	45°	156,00	2515-21 N2
2	45°	211,00	2515-22 N2

EyesFlush Eyewash station

EyesFlush Hand- operated shower



EyesFlush Eyewash station according to DIN 12899 for wall or table mounting.

A soft rubber protective shroud prevents injury through impact. A protective cap keeps dust away from the shower-head. It automatically falls off when the shower is activated. 1/2 inch connection.

EyesFlush Hand-operated shower according to DIN 12899 for eyes and body.

The special shower-head creates a jet of water that covers the whole face. A soft rubber protective shroud prevents injury through impact. A protective cap keeps dust away from the shower-head. It automatically falls off when the shower is activated.

- 1/2" connection
- Water throughput at 1 bar flowing pressure is approx. 12 litres/min.
- Hose length 150 cm

Since 1993, regulations for laboratories include the requirement for access to an eye shower according to DIN 12899. The transitional period ended on 31st October 1996. According to regulations, all laboratories fulfilling DIN norms must have eye showers installed. Bürkle's eye shower comply with the latest DIN-regulations.



EyesFlush Eyewash station

Description	Price/ Unit	Article No.
for table mounting	320,00	2515-31 N2
for wall mounting	302,00	2515-30 N2



EyesFlush hand-operated shower

No. of shower-heads	Direction	Mounting	Price/ Unit	Article No.
1	Vertical	Wall	220,00	2515-40 N2
1	Vertical	Table	272,00	2515-41 N2
1	45°	Wall	300,00	2515-42 N2
1	45°	Table	306,00	2515-43 N2
2	45°	Wall	352,00	2515-44 N2

Safety containers made of stainless steel

for the safe storage and transport of flammable liquids



Spare parts/accessories

Precise dosing with 1 1/4" or 1 1/2" connection thread.
Tap with 3/4" or 1 1/2" connection thread.
Screw cap with 1 1/4" or 1 1/2" or 2" TPI (no illustration).



Anti-static set
(see page 25)

Safety storage container

- Made of stainless steel with a thickness of 0.8 mm (10 l), 1.2 mm (25 l) and 1.5 mm (50 l).
- 25 l container can be stacked

Safety storage container with screw cap without pressure-relief valve, with separate, lockable venting. GGVS/GGVE

Capacity l	H x Dia. mm	Upper Thread	Outlet Thread	Purpose	UN-approved	Price/Unit	Article No.	
25	530x300	1 1/2"	–	Transport/Storage	yes	383,00	2607-251	N2

Safety storage container with screw cap and pressure-relief valve

10	350x260	1 1/2"	–	Storage	no	293,00	2607-10	N2
25	530x300	1 1/2"	–	Storage	no	369,00	2607-25	N2
50	600x380	2" (TPI)	–	Storage	no	455,00	2607-50	N2

Safety storage container with fine dosage spout incl. pressure-relief valve and separate venting

10	350x260	1 1/2"	–	Storage	no	315,00	2607-11	N2
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Safety storage container with self-closing tap

10	350x260	1 1/2"	3/4"	Storage	no	545,00	2606-10	N2
25	530x300	1 1/2"	3/4"	Storage	no	646,00	2606-25	N2
50	600x380	2" (TPI)	3/4"	Storage	no	702,00	2606-50	N2

Safety storage container with self-closing tap and volume level indicator made of PFA

10	350x260	1 1/2"	3/4"	Storage	no	751,00	2609-10	N2
25	530x300	1 1/2"	3/4"	Storage	no	879,00	2609-25	N2

Storing and transporting flammable liquids: important factors to consider.

The regulations for handling flammable liquids are contained in the technical regulations for flammable liquids.

According to these regulations, all flammable liquids must be stored and transported in conductive containers. This prevents electrostatic charges or conducts them away effectively.

Only those containers are to be used that are manufactured according to these specifications. The containers sold by Bürkle comply with these regulations.

It must also be possible to hermetically seal containers for transport, i.e., no pressure-relief valve may be used. On the other hand, it makes sense to use containers with a pressure-relief valve for storage to enable pressure adjustment when temperatures fluctuate.

The containers shown here are available optionally as transport or storage containers. They only differ in their closure type. Storage containers have a pressure-relief valve in the closure or separate venting. Transport containers with UN approval have leakproof closures.

All containers offered here are suitable for use with the Bürkle anti-static set, which must be used when liquids are transferred to other containers.

Safety containers made of stainless steel

for the safe storage and transport of flammable liquids
according to VbF/TRbF (German Regulations concerning Flammable Liquids)



Safety funnel



Safety cans

- Made out of 0.6 mm thick stainless steel 316Ti (1.4571)
- With a powder-surfaced aluminium handle
- Closure thread 1 1/4"



All containers on these two pages are protected against explosions and equipped with flame breakthrough protection.



Safety jerrycans

- Wall thickness 0.8 mm
- 5- and 10-litres jerrycans made of AISI 316Ti stainless steel
- 20-litres jerrycan made of AISI 304 stainless steel
- Handle made of solid stainless steel
- Closure thread 1 1/2"



Safety Funnel

- enables easy filling of containers and prevents overflowing.
- Made of AISI 304 stainless steel
 - Flame block
 - Connection 2" - NPT fine thread
 - Discharge pipe diameter 3.5 cm

Safety cans with fine dosage spout with pressure-relief valve

Capac. l	Height/ dia. mm	Purpose	UN- approved	Price/ Unit	Article No.	
1	230 /110	Storage	no	215,00	2602-1	N2
2	290/130	Storage	no	231,00	2602-2	N2
5	400/165	Storage	no	261,00	2602-5	N2

Safety jerrycans with screw cap without pressure-relief valve – GGVS/GGVE/RID/IMDG/Cody/ICAO-TI

Capacity	LxWxH mm	Purpose	UN- approved	Price/ Unit	Article No.	
5	200x130x310	Transport	yes	257,00	2610-5	N2
10	280x130x380	Transport	yes	307,00	2610-10	N2
20	345x175x470	Transport	yes	373,00	2610-20	N2

Safety jerrycans with screw cap incl. pressure-relief valve

5	200x130x310	Storage	no	263,00	2605-5	N2
10	280x130x380	Storage	no	314,00	2605-10	N2
20	345x175x470	Storage	no	384,00	2605-20	N2

Safety jerrycans with fine dosage spout incl. pressure-relief valve

5	200x130x310	Storage	no	318,00	2604-5	N2
10	280x130x380	Storage	no	357,00	2604-10	N2
20	345x175x470	Storage	no	418,00	2604-20*	N2

* With separate venting and fine dosing spout without pressure-relief valve

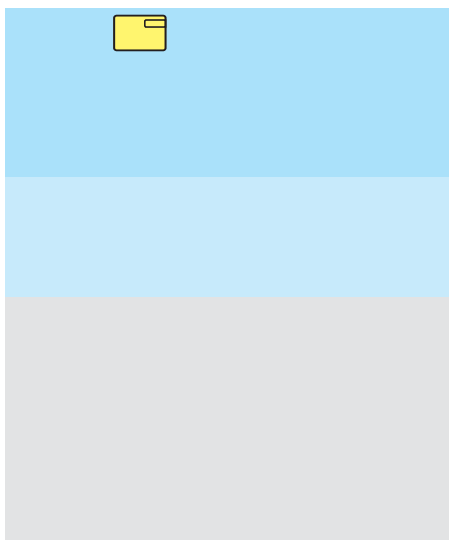


Safety Funnel

Price/Unit	Article No.	
202,00	2611-1	N2

Replacement Flame proofing

31,20	2611-11	N2
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Settling bottles

round



Settling bottle, round

Stable carrying handle and captive screw cap.

- With printed graduation.

For more technical details see page 169.

Capacity l	Price/Unit	Price/Unit of (X) units	Article No.
5	27,80	(11) 25,30	0402-5 N3
10	34,70	(6) 31,30	0402-10 N3
25	64,00	(4) 59,00	0402-25 N3
60	111,00	(5) 103,00	0402-60 N3

Capacity l	Price/Unit	Price/Unit of (X) units	Article No.
5-60	18,60	(10) 16,70	0525-1 N4

Settling jerrycan

extra wide-necked



Settling jerrycan, extra wide-necked

With extremely wide 88 mm diameter filling opening, integrated carrying handle, captive screw cap which cannot be mislaid.

For more technical details and jerrycans with out threaded connector see page 168.

Capacity l	Price/Unit	Price/Unit of (X) units	Article No.
5	25,70	(6) 23,10	0432-5 N3
10	36,90	(5) 33,70	0432-10 N3
22	55,00	(3) 48,30	0432-20 N3
31	66,00	(2) 59,00	0432-30 N3

Capacity l	Price/Unit	Price/Unit of (X) units	Article No.
5	4,25	(12) 3,91	0431-51 N3
10	4,25	(10) 3,91	0431-101N3
22	4,25	(6) 3,91	0431-201N3
31	4,25	(4) 3,91	0431-301N3

5-31 18,60 (10) 16,70 0525-1 N4

Compact jerrycan

settling jerrycan



Compact jerrycan, settling jerrycan

5 litre capacity, particularly narrow, space-saving design. Will find room in the smallest laboratory!

For more technical details see page 167.

Capacity l	Price/Unit	Price/Unit of (X) units	Article No.
5	24,90	(10) 22,30	0435-52 N4

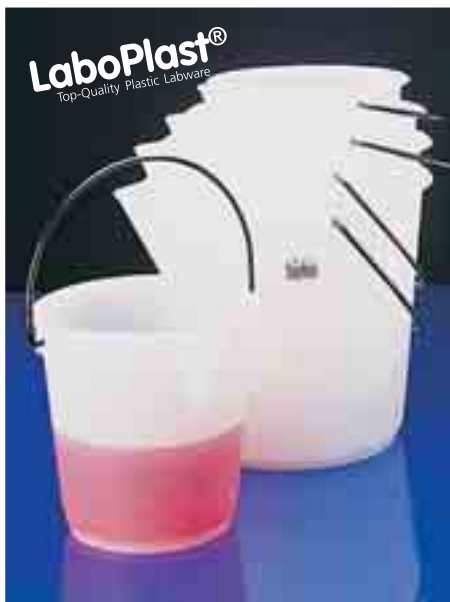
Capacity l	Price/Unit	Price/Unit of (X) units	Article No.
5	18,60	(10) 16,70	0525-1 N4

for number of jerrycans	Price/Unit	Price/Unit of (X) units	Article No.
2	16,20	(10) 14,70	0435-56 N4
3	17,20	(10) 15,30	0435-54 N4

Industrial bucket

Laboratory bucket

Bucket made of PP



Industrial bucket

for transporting, decanting and mixing.
Wide spout gives rapid but safe emptying.
With metal handle.

- Made of transparent LDPE
- With litre scale, graduation 1000 ml
- With spout
- Heavy-walled model

Laboratory bucket

for transporting, decanting and mixing.
Wide spout gives rapid but safe emptying.
With metal handle.

- Made of white PE
- With litre scale, graduation 1000 ml
- With spout

Bucket made of PP

for transporting, decanting and mixing.
Wide spout gives rapid but safe emptying.
With strong handle made of PP.

- Made of transparent PP
- With litre scale, graduation 1000 ml
- With spout
- Sterilizable



Bulk prices available

Industrial bucket

Capacity l	Dia. x Height cm	Price/unit	Price/Unit of (X) units	Art. No.	
7	25x25	6,60	(6) 6,00	2308-7	N3
11	29x28	9,90	(6) 8,90	2308-11	N3
15	34x32	13,50	(6) 12,10	2308-15	N3
19	36x34	15,40	(6) 13,90	2308-19	N3



Laboratory bucket

Capacity l	Dia. x Height cm	Price/Unit	Price/Unit of (X) units	Article No.
10	29x28	21,00	(10) 19,10	2306-10 N3
15	32x34	29,00	(10) 26,30	2306-15 N3



Bucket made of PP

Capacity l	Dia. x Height cm	Price/Unit	Price/Unit of (X) units	Article No.
12	31x30	21,60	(10) 19,50	2307-12 N3
15	30x34	23,70	(10) 21,60	2307-15 N3

Four-sided bucket

square shaped



Four-sided bucket, square shaped

for transporting of bulky goods. Space-saving, stable, easy to carry. An accessory lid is also available

- Made of transparent PE
- With strong handle made of PE
- With capacity graduation

Packaging bucket

round shaped



Packaging bucket, round shaped

for transporting, packaging, and storing a variety of materials. Suitable for the food or building material industries, non-aggressive chemicals, environmental protection, hospitals, or domestic use. With handle.

- Made of white PP
- Air-tight closure
- Complete with lid
- With advertising printing in large quantities on request



Four-sided bucket, square shaped

Capacity l	Dimensions LxWxH cm	Price/Unit	Price/Unit of (X) units	Article No.
14	28x28x29	19,20	(10) 17,50	2350-14 N3

Lid for 2350-14

7,60 (10) 6,90 2350-141N3



Packaging bucket, round shaped

Capacity l	Upper dia. mm	Height with lid mm	Price/Unit	Price/Unit of (X) units	Price/Unit of (X) units	Article No.
1	132	131	1,05	(100) 0,95	(500) 0,85	2327-01 N3
2	175	132	1,65	(40) 1,52	(480) 1,38	2327-02 N3
3	225	123	2,08	(45) 1,89	(495) 1,71	2327-03 N3
5	225	194	2,65	(36) 2,36	(468) 2,14	2327-05 N3
10	268	263	3,55	(25) 3,25	(100) 3,15	2327-10 N3

Bulk prices available

Storage and Stacking containers

lightweight, robust, practical, stackable, standardised

Universal Storage containers

multipurpose



Stable storage containers made out of durable plastics with external reinforcement ribs.

Lids and transport rollers are useful accessories.



Storage and Stacking containers, standardised



Capacity l	Outer LxWxH mm	Inner LxWxH mm	Price/Unit	Price/Unit of (X) units	Article No.
11	400 x 300 x 130	367 x 267 x 114	14,90	(10) 13,70	3414-11 N2
17	400 x 300 x 200	367 x 267 x 187	18,20	(10) 16,70	3414-17 N2
23	600 x 400 x 130	567 x 367 x 114	24,10	(10) 22,00	3414-23 N2
27	600 x 400 x 154	567 x 367 x 141	24,40	(10) 22,20	3414-27 N2
38	600 x 400 x 200	567 x 367 x 184	30,70	(10) 27,90	3414-38 N2
45	600 x 400 x 250	567 x 367 x 234	35,00	(10) 31,90	3414-48 N2
54	600 x 400 x 285	567 x 367 x 269	37,60	(10) 34,30	3414-54 N2
64	600 x 400 x 320	567 x 367 x 304	40,70	(10) 37,10	3414-64 N2
80	600 x 400 x 400	567 x 367 x 384	46,10	(10) 41,90	3414-80 N2

Accessories for standardised containers



	Price/Unit	Price/unit of (X) units	Article No.
Lid for 3414-11 and -17	9,30	(10) 8,50	3414-1 N2
Lid for 3414-23 to -80	14,90	(10) 13,70	3414-2 N2



Transport trolley for container with size 600 mm x 400 mm

66,00 (10) 60,00 3414-3 N2

General purposes containers, available in different basic sizes, with comfortable gripping edges. These containers are often used in the foodstuffs/hygiene sector.

The containers are made of white HDPE with accessory white PS lids. The lids are not resistant against strong acids, bases and solvents.

- Stackable

Universal Storage containers, made of HDPE



Capacity l	Outer LxWxH mm	Inner LxWxH mm	Price/Unit	Price/Unit of (X) units	Article No.
29	660x450x130	600x400x120	23,00	(10) 21,00	3418-29 N2
48	660x450x220	600x400x210	32,70	(10) 29,70	3418-48 N2
94	660x450x410	600x400x400	49,10	(10) 44,50	3418-94 N2
28	550x450x170	480x410x160	22,40	(10) 20,40	3418-28 N2

Accessories



Lid for 3418-29, -48 and -94 white	15,30	(10) 13,90	3418-1 N2
Label holder	1,62	(10) 1,50	3414-4 N2

Tubs, round

sturdy, stackable



Capacity (l)	Dimensions (mm)	Quantity	Price (€)	Product Code	Material
60	450x600	10	111,00	3460-60	N2
100	465x850	10	150,00	3460-100	N2
200	560x1020	20	240,00	3460-200	N2
300	675x1010	20	293,00	3460-300	N2
500	815x1140	50	460,00	3460-500	N2

Capacity (l)	Dimensions (mm)	Price (€)	Product Code	Material
40	370/330x440	35,80	3482-40	N3
50	370/330x555	42,70	3482-50	N3
75	460/400x535	51,00	3482-75	N3
110	460/420x710	107,00	3482-110	N3
40 l		8,80	3482-401	N3
50 l		8,80	3482-501	N3
75 l		19,70	3482-751	N3
110 l		19,70	3482-1101	N3

Capacity (l)	Dimensions (mm)	Price (€)	Product Code	Material
155	130	117	29,30	8203-20100 N3
190	167	171	32,80	8203-32150 N3

Containers, rectangular or round shaped

sintered, stress-free, transparent, available with or without lid



Threaded joints

are possible at any place with a 1" or 3/4" thread. Please indicate the exact position if applicable.

Example

On the lengthwise side in the middle, as far down as possible.

Container threads incl. mounting on containers

Outer thread	Price/Unit	Article No.	
3/4"	30,70	3440-34	N2
1"	45,10	3440-1	N2

Seamless open containers, excellently suited as baths or for foodstuffs. Produced with the LaboPlast® Sintering Method (wall thickness increases from top to bottom, thus optimising the relationship between wall thickness and stress through mass of contents). The containers can be supplied with threaded connectors and spigots in any desirable place. Depending on the intended use, also available in black (UV-protection) and in different wall thicknesses.

- Made of transparent PE-LLD, breakproof



Container connectors and spigots can be found on pages 38ff



Depending on the expected contents, the containers may have to be strengthened with a frame. Kindly you ask us.

Laboratory trays

6 sizes from 0.5 to 39 liters

Universal uses as

- Laboratory tray
- Goods display tray
- Drip tray
- Photographic tray

Space-saving and stackable
into one another

Polypropylene
Highly chemical resistant
Inflexible

Gripping edge



White, hygienic, water-resistant, easy to clean

Suitable for foodstuffs

Stable, rigid wall

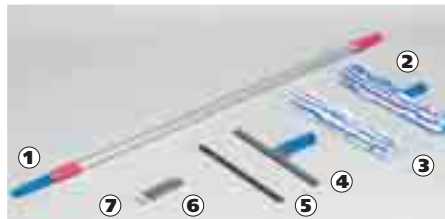
Order information
see page 181

TeleClean

Cleaning system for laboratories, industry and glass



Versatile cleaning system with exchangeable tools for cleaning surfaces such as tiled walls, lab benches, panes of glass. TeleClean is usually used in the food and pharmaceutical industries, in laboratories, in clean room technology and everywhere that many glass areas/facades have to be kept clean. The telescopic rods can be equipped with different tools, both washers and wipers in various widths, as well as with different types of beaker, see also Page 74



1 Telescopic rods

Made from radially non-rotating, extremely rigid aluminum rods. The individual rods are provided with end stops. This means that one rod cannot be accidentally detached from another rod. The telescopic rods are supplied complete with attachment cone for washers and wipers and can be steplessly extended to a length of up to 6 m (see Table).

2 Washers

Ergonomic aluminum carrier head, complete with microfiber washing cover. Two widths, 25 cm and 35 cm. Other widths on request.

3 Washing covers

Made from particularly dense and long microfibers for increased water take-up. With non-scratching side pad for coarse dirt. Washable up to 60 °C.

4 Wiper

Stainless steel. Wiper grip sprayed with non-slip plastic. Complete with rubber wiper.

5 Rubber wiper

Made from vulcanized rubber. Smooth edges for streak-free cleaning. Pack of 10 pieces.

6 Safety scraper

Stainless steel. For scraping off encrusted dirt. With special steel blade 4 cm wide. Active safety: the blade is contained within the scraper when not in use to avoid cuts and is only slid out by the user when in use.

7 Blades for safety scraper

Special steel, 4 cm wide. Pack of 5 pieces.

1 Telescopic rod for TeleClean



Description	Length cm	Price/unit	Price/unit of (x) units	Article no.
Telescopic rod	60-120	27,30	(10) 25,40	8204-1120 N4
Telescopic rod	70-280	47,50	(10) 43,60	8204-1280 N4
Telescopic rod	125-250	33,00	(10) 31,10	8204-1250 N4
Telescopic rod	100-300	47,50	(10) 43,60	8204-1300 N4
Telescopic rod	150-450	64,00	(10) 57,00	8204-1450 N4
Telescopic rod	150-600	76,00	(10) 71,00	8204-1600 N4

Spare parts

Attachment cone		7,10	(10) 6,70	5630-0012 N4
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Cleaning tools

Description	Size cm	Price/unit	Price/unit of (x) units	Article no.
2 Washer with cover	25	11,90	(10) 11,30	8204-0020 N2
2 Washer with cover	35	13,50	(10) 12,80	8204-0021 N2
4 Wiper with rubber	25	14,10	(10) 13,40	8204-0030 N2
4 Wiper with rubber	35	15,40	(10) 14,70	8204-0031 N2
6 Scraper	4	3,80	(10) 3,60	8204-0010 N2

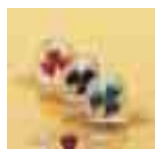
Spare parts

3 Washing cover	25	7,40	(5) 7,10	8204-0205 N2
3 Washing cover	35	8,60	(5) 8,00	8204-0215 N2
5 Rubber wiper (10 pieces)	25	20,90	(5) 19,80	8204-0303 N2
5 Rubber wiper (10 pieces)	35	24,40	(5) 23,20	8204-0315 N2
7 Blades for safety scraper (5 pcs)	4	1,18	(5) 1,13	8204-0101 N2

Fittings, Valves, Tubing

high quality, vast range, suitable for a wide variety of applications

Fittings, tubing, valves, couplings



Flow indicators

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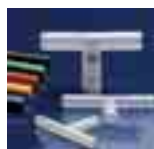
Hose tubing connectors, conical

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Universal Hose tubing connectors

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T-connectors

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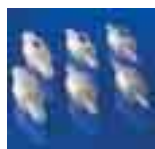
Y-connectors

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Angled connectors

Page 220



Non-return valves

Page 221



Hose tubing stop-cock

Page 221



Magic Box with connectors

Page 221



Valves and Connectors in PTFE

Page 222



2-/3-way valves

Page 223



CPC Rapid couplings

Page 224 ff



PVC Industrial tubing

Page 228



PVC Pressure tubing

Page 228



Hoses / Tubings

Page 228 ff



Squeeze-Fix, hose clamp

Page 230



stop-it, hose clamp

Page 231



Hose cutter

Page 232



Hose valve clamps

Page 232



Hose clips

Page 232



Threaded fittings made of PP

Page 233



Threaded fittings made of PP

Page 234



Threaded fittings made of PP

Page 235



Container connection

Page 235



Screw joint

Page 235



Cap

Page 235



Stopper

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Ball valve made of PP

Page 236



Retaining valves made of PP

Page 236

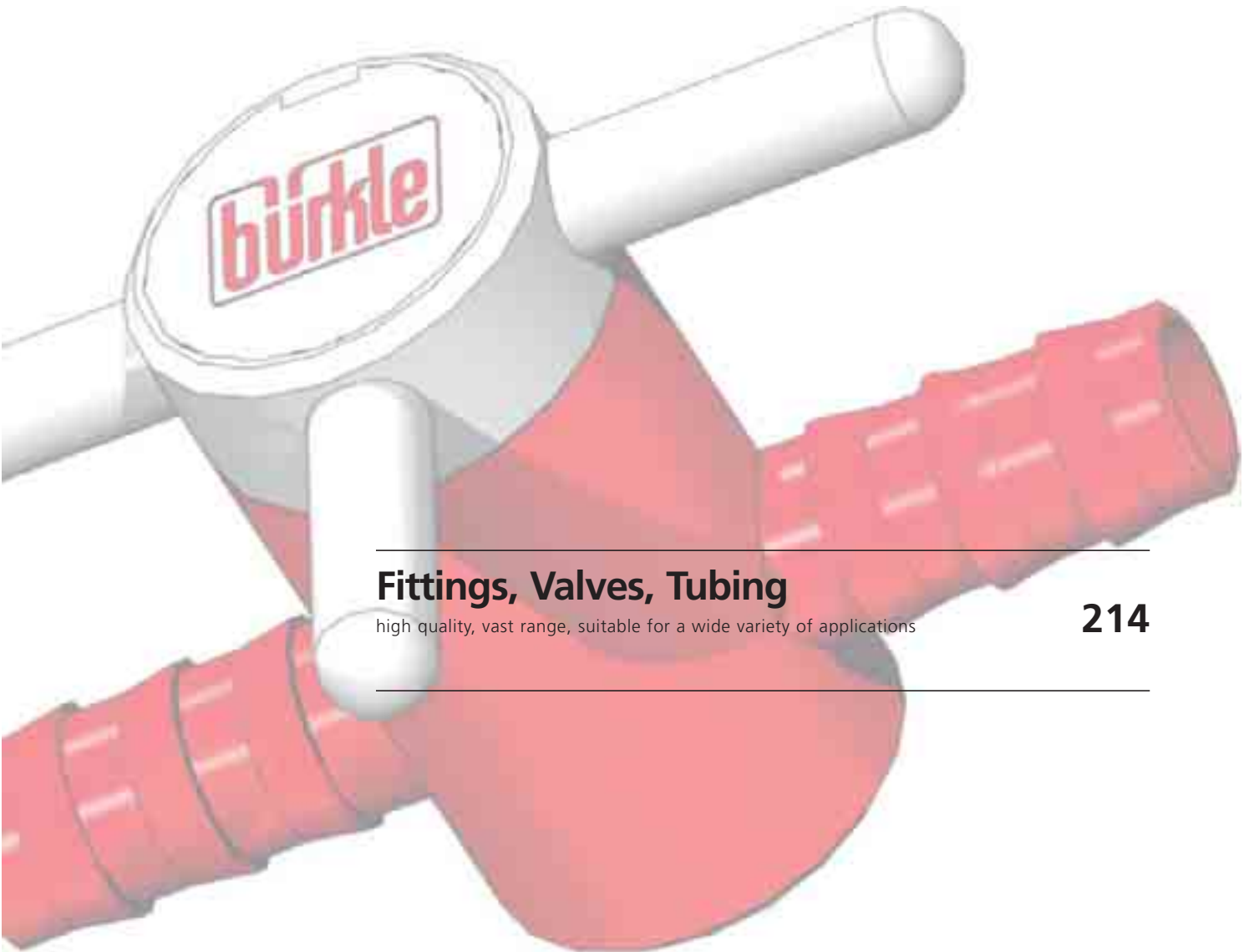


StopCock, spigot

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Pictogram

	material
	ultra-pure material
	translucent
	glass-clear material
	material impermeable to light
	container is completely leakproof
	autoclavable up to
	temperature-resistant from ... to
	suitable for use with foodstuffs
	safety product
	product protects the environment
	optional accessory
	required accessory
	spare parts
	attention! Important information
	sterile packed
	produced according to CE guidelines
	produced according to DIN norm
	approved by the German Institute of Technical Standards
	splash water protection according to protection class IP 54
	splash water protection according to protection class IP 44
	limited warranty
	additional information
	UN approved
	new product
	cross reference
	unusual delivery period



Fittings, Valves, Tubing

high quality, vast range, suitable for a wide variety of applications

214

Flow indicators

CheMobil made of PMP
good chemical
resistance, sterilizable

Two types are available –
LiquiMobil oder CheMobil

Available in three colours

Impeller rotates at flow
rate as low as 150 ml/min

For hose tubings with inner
diameter from 6 to 10 mm

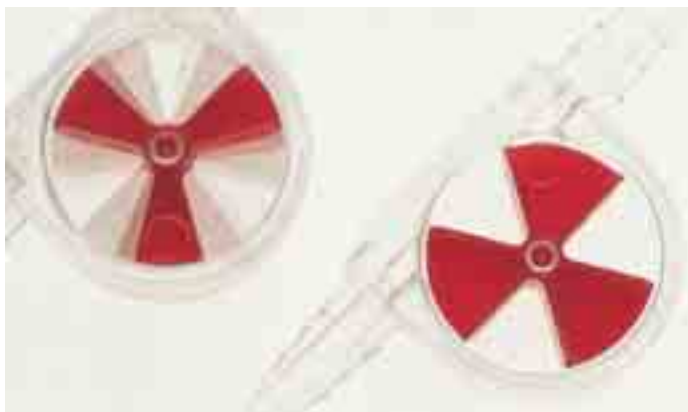
Pressure resistant
up to 2 bar

Ordering informations
can be found on page 217

Flow indicators

LiquiMobil / CheMobil made of SAN and PMP/TPX

Bulk prices available



CheMobil and LiquiMobil give precise optical indication of the flow velocity of liquids or gases being transported through hose connections. The coloured impeller rotates even at low flow speeds and shows the flow velocity (the impeller starts to rotate at a flow rate about 150 ml/min water). The flow indicator functions in both directions and in any position. The compact size (length including nozzles 88 mm, height 40 mm, breadth 15 mm) enables the flow indicator to fit into the smallest aggregates

- For hose tubing with internal diameter of 6 – 11 mm
- Max. pressure resistance 2 bar
- Max. operating temperature SAN +30 °C, PMP/TPX +60 °C
- Colour coded, blue, red, black

LiquiMobil in SAN, is mainly suitable for cooling systems and helps to reduce the water consumption considerably. Not suitable for aggressive substances.

CheMobil in 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.

LiquiMobil made of SAN, glass-clear					
Colour	Price/ Unit	Price/Unit of (X) units	Price/Unit of (X) units	Article No.	
blue	9,20	(10) 8,40	(100) 7,70	8721-5	N4
red	9,20	(10) 8,40	(100) 7,70	8721-2	N4
black	9,20	(10) 8,40	(100) 7,70	8721-3	N4



CheMobil made of PMP/TPX, glass-clear, sterilizable					
Colour	Price/ Unit	Price/Unit of (X) units	Price/Unit of (X) units	Article No.	
blue	11,30	(10) 10,00	(100) 9,20	8720-5	N4
red	11,30	(10) 10,00	(100) 9,20	8720-2	N4
black	11,30	(10) 10,00	(100) 9,20	8720-3	N4



Hose tubing connectors

made of PP or PVDF, conform to standard specification



Bulk prices



Hoses tubing connectors

- Conform to standard specifications
- Secure attachment
- Sterilizable

- Slip-proof ferrules

Tubing connectors made of PVDF can be used even with aggressive media and at particularly high temperatures.



Hose tubing connectors, straight, PP with cylindrical nozzles

fits for hose inner dia. from ... to mm	Price/Bag with 10 pcs.	Price/Bag of (X) bags with 10 pcs.	Article No.
3 5	3,00	(20) 2,82	8701-4 N4
5 7	3,85	(20) 3,45	8701-6 N4
7 9	4,35	(20) 3,95	8701-8 N4
9 11	4,90	(20) 4,40	8701-10 N4
11 13	5,60	(20) 5,10	8701-12 N4
13 15	6,40	(20) 5,80	8701-14 N4



Hose tubing connectors, straight, PP with conical nozzles

fits for hose inner dia. from ... to mm	Price/Bag with 10 pcs.	Price/Bag of (X) bags with 10 pcs.	Article No.
3 5	4,95	(10) 4,50	8700-46 N3
5 7	5,40	(10) 4,90	8700-68 N3
7 10	6,60	(10) 5,90	8700-810 N3
9 12	7,70	(10) 7,10	8700-1012 N3
11 14	9,30	(10) 8,40	8700-1214 N3
13 15	10,50	(10) 9,70	8700-1416 N3



Universal hose tubing connectors, PP with conical nozzles

fits for hose inner dia. from ... to mm	Price/Bag with 10 pcs.	Price/Bag of (X) bags with 10 pcs.	Article No.
4 17	14,20	(10) 12,80	8700-417 N4



Hose tubing connectors, straight, PVDF with cylindrical nozzles

fits for hose inner dia. from ... to mm	Price/Bag with 10 pcs.	Price/Bag of (X) bags with 10 pcs.	Article No.
3 5	4,05	(20) 3,55	8710-4 N4
5 7	4,95	(20) 4,55	8710-6 N4
7 9	5,80	(20) 5,20	8710-8 N4
9 11	6,50	(20) 5,80	8710-10 N4
11 13	7,30	(20) 6,70	8710-12 N4
13 15	8,80	(20) 7,80	8710-14 N4



Universal hose tubing connectors, PVDF with conical nozzles

fits for hose inner dia. from ... to mm	Price/Bag with 10 pcs.	Price/Bag of (X) bags with 10 pcs.	Article No.
4 17	20,30	(20) 18,40	8710-417 N4

Hose tubing connectors

made of PP or PVDF,
with excellent chemical resistance



Bulk prices



Hose tubing connectors

- Conform to standard specifications
- Secure attachment
- Sterilizable



Minimum order

1 bag with 10 connectors per bag

- Slip-proof ferrules



Reducing hose connectors, PP with conical nozzles

fits for hose inner dia. from ... to mm	Price/ Bag with 10 pcs.	Price/Bag of (X) bags with 10 pcs.	Article No.	
4-8/8-10 mm	10,20	(10) 9,50	8703-48	N3
4-8/12-16 mm	11,20	(10) 10,40	8703-412	N3
8-12/12-16 mm	12,60	(10) 11,20	8703-812	N3



T-connectors, PP with cylindrical nozzles

fits for hose inner dia. from ... to mm	Price/ Bag with 10 pcs.	Price/Bag of (X) bags with 10 pcs.	Article No.	
3 5	4,35	(20) 3,95	8705-4	N4
5 7	5,40	(20) 4,80	8705-6	N4
7 9	6,30	(20) 5,60	8705-8	N4
9 11	7,20	(20) 6,60	8705-10	N4
11 13	8,40	(20) 7,30	8705-12	N4
13 15	9,70	(20) 8,80	8705-14	N4

T-connectors, PVDF with cylindrical nozzles

fits for hose inner dia. from ... to mm	Price/ Bag with 10 pcs.	Price/Bag of (X) bags with 10 pcs.	Article No.	
3 5	6,00	(20) 5,50	8711-4	N4
5 7	7,30	(20) 6,70	8711-6	N4
7 9	8,90	(20) 8,00	8711-8	N4
9 11	10,00	(20) 9,10	8711-10	N4
11 13	11,30	(20) 10,20	8711-12	N4
13 15	13,30	(20) 11,90	8711-14	N4



Y-connectors, PP with cylindrical nozzles

fits for hose inner dia. from ... to mm	Price/ Bag with 10 pcs.	Price/Bag of (X) bags with 10 pcs.	Article No.	
3 5	6,30	(20) 5,60	8706-4	N4
5 7	7,20	(20) 6,60	8706-6	N4
6 8	9,20	(20) 8,40	8706-7	N4
7 9	9,20	(20) 8,40	8706-8	N4
9 11	10,50	(20) 9,50	8706-10	N4
11 13	12,00	(10) 10,80	8706-12	N4
13 15	13,90	(10) 12,60	8706-14	N4

Y-connectors, PVDF with cylindrical nozzles

fits for hose inner dia. from ... to mm	Price/ Bag with 10 pcs.	Price/Bag of (X) bags with 10 pcs.	Article No.	
3 5	8,90	(20) 8,00	8712-4	N4
5 7	10,00	(20) 9,10	8712-6	N4
7 9	12,70	(20) 11,50	8712-8	N4
9 11	14,60	(20) 13,20	8712-10	N4
11 13	16,70	(20) 15,00	8712-12	N4
13 15	19,20	(10) 17,30	8712-14	N4



Hose tubing connectors, Hose tubing couplings


Bulk prices


Hoses tubing connectors

- Conforms to standard specifications
- Secure attachment
- Sterilizable



Minimum order

1 bag with 10 connectors per bag



Angled connectors, PP with cylindrical nozzles

fits for hose inner dia. from ... to mm	Price/Bag with 10 pcs.	Price/Bag of (X) bags with 10 pcs.	Article No.	
3 5	3,45	(20) 3,15	8707-4	N4
5 7	3,85	(20) 3,45	8707-6	N4
7 9	4,05	(20) 3,65	8707-8	N4
9 11	4,80	(20) 4,35	8707-10	N4
11 13	5,70	(20) 5,20	8707-12	N4
13 15	6,70	(20) 6,00	8707-14	N4



Four-way-connectors, PP with cylindrical nozzles

fits for hose inner dia. from ... to mm	Price/Bag with 10 pcs.	Price/Bag of (X) bags with 10 pcs.	Article No.	
3 3,5	10,80	(10) 9,90	8708-4	N3
4 5	11,50	(10) 10,50	8708-6	N3
6 7	12,60	(10) 11,20	8708-8	N3
8 9	13,80	(10) 12,80	8708-10	N3
10 11	16,10	(10) 14,50	8708-12	N3
12 13	17,80	(10) 16,30	8708-14	N3



Hose couplings, PE with conical nozzles

fits for hose inner dia. from ... to mm	Price/Bag with 10 pcs.	Price/Bag of (X) bags with 10 pcs.	Article No.	
3 5	9,50	(10) 8,70	8704-46	N3
5 7	10,30	(10) 9,50	8704-68	N3
7 10	12,50	(10) 11,00	8704-810	N3
9 12	13,30	(10) 12,10	8704-1012	N3
11 14	15,50	(10) 14,10	8704-1214	N3
13 16	16,80	(10) 15,30	8704-1416	N3



Angled connectors, PVDF with cylindrical nozzles

fits for hose inner dia. from ... to mm	Price/Bag with 10 pcs.	Price/Bag of (X) bags with 10 pcs.	Article No.	
3 5	4,80	(20) 4,35	8713-4	N4
5 7	5,20	(20) 4,80	8713-6	N4
7 9	5,50	(20) 4,95	8713-8	N4
9 11	6,60	(20) 6,00	8713-10	N4
11 13	7,90	(10) 7,00	8713-12	N4
13 15	9,40	(20) 8,50	8713-14	N4

Non-return valves

Hose tubing stop-cock

Magic Box

connectors for all needs



Non-return valves

with conical inlet/outlet. Multifaceted uses.

- 3 sizes
- Operates already when there is a pressure difference of 120 mbar either side of the valve

Hose tubing stop-cock

simple shut-off cock with two-sided hose coupling, for low pressure operation.

- Made of PE
- Available in two nominal sizes

You can almost always quickly find the right hose connector that you need inside this magic box.

- Made of transparent PP, break proof



Why don't you join in?

Just photograph Bürkle products in practical use. See front jacket flap

Non-return valves, PP

with embossed direction arrow

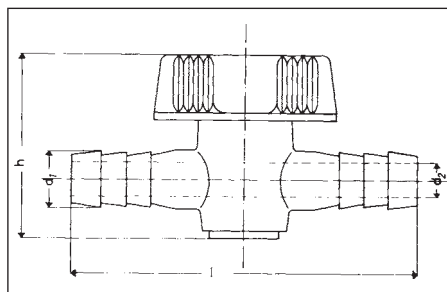


fits for hose inner dia. from ... to mm	Price/Unit	Price/Unit of (X) units	Article No.	
6 8	2,20	(100) 2,01	8714-0608	N4
8 10	2,20	(100) 2,01	8714-0810	N4
10 14	2,75	(100) 2,17	8714-1014	N4

Non-return valves, PP

with black printed direction arrow

6 8	2,41	(100) 2,21	8714-10608	N4
8 10	2,41	(100) 2,21	8714-10810	N4
10 14	2,95	(100) 2,38	8714-11014	N4



Hose tubing stop-cock



d1 mm	d2 mm	l mm	h mm	Price/Unit	Price/Unit of (X) units	Art. No.
11.5	7	71	37	2,49	(50) 2,38	8614-7 N4
16.0	9	97	52	4,40	(50) 4,01	8614-9 N4

Contents of Magic Box

Straight hose connectors, Art. No. 8701-

T-hose connectors Art. No. 8705-

Y-hose connectors Art. No. 8706-

Angled hose connectors Art. No. 8707-
2 pcs. of each, in sizes 4, 6, 8, 10, 12 and 14 mm

Universal hose connector Art. No. 8700-417
2 pcs., fits hoses from 4 to 17 mm

Reducing hose connectors Art. No. 8703-
2 pcs. each, in sizes 4-8, 4-12 and 8-12 mm

Magic Box

with 56 connectors in total



Price/Unit	Price/Unit of (X) units	Article No.
49,20	(5) 44,20	8715-1 N4

Valves made of PTFE



Flea Market



Valves made of massive PTFE (Teflon®) with hose nipples. Excellent chemical resistance, and very easy connection thanks

to its excellent antifriction properties. Blue handles are made of PP.

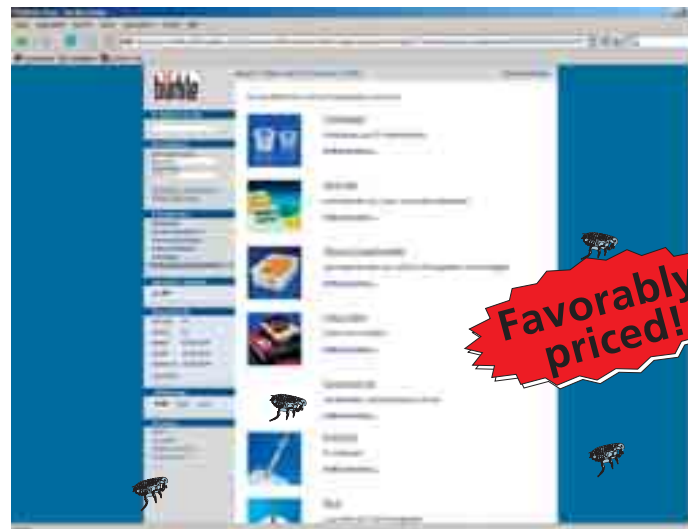
① Two-way valves

for hose inner dia. from .. to	Nom. width of bore mm	Price/Unit		Price/Unit of (X) units	Article No.	
4.5	2	26,50	(10)	23,90	8610-10	N2
6.8	3	26,50	(10)	23,90	8610-12	N2
10	4	35,40	(10)	31,80	8610-15	N2

② Three-way valves

4.5	2	44,10	(10)	39,80	8610-01	N2
6.8	3	44,10	(10)	39,80	8610-03	N2
10	4	57,00	(10)	49,80	8610-06	N2

- Pressure-resistant to 2 bar
- Suitable for vacuum up to 10⁻¹ bar
- Autoclavable



Do you already know about our bargain market on the Internet?

Here you will find top-quality labware, special models and remainders at unbelievably favorable prices.

No matter whether you are looking for a lab dish, a piece of tubing or a container – it is always worthwhile having a look.

The range of items changes continually, so you have to choose quickly before your particular item is sold out.

Purchasing is easier than at a flea market. You click with your mouse, we send you your bargain direct to your house.

One mouse-click is all you need:

<http://www.buerkle.de/flohmarkt>

Prices in €



Two- and Three-way valves

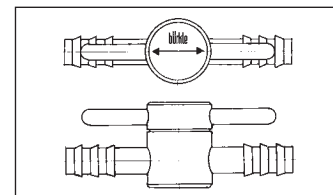
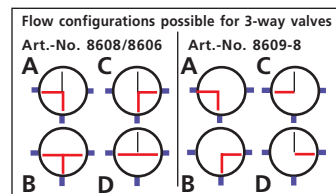
made of PVDF or PE

Bulk prices



Valves are used when transferring liquids or gases. The valves' plastic material must not influence the substance being transported, particularly in chemistry, biology, pharmaceutical manufacturing and the foodstuffs industry. The two- and three-way valves are therefore available in two materials: transparent PVDF/PTFE and red/white PE/PP.

- Made of PVDF, good chemical resistance, transparent, suited for foodstuffs
- Made of PE for industrial use
- Max. pressure resistance 1 bar
- Three different nozzles available



① 2-way valves, PE

for hose inner dia. from .. to	Nom. width of bore mm	Price/Unit	Price/Unit of (X) units	Article No.
5 - 7	4	5,60	(50) 5,00	8605-6 N4
7 - 9	6	6,50	(50) 5,90	8605-8 N4
9 - 11	8	7,40	(50) 6,70	8605-10 N4

② 2-way valves, PVDF/PTFE

for hose inner dia. from .. to	Nom. width of bore mm	Price/Unit	Price/Unit of (X) units	Article No.
5 - 7	4	9,30	(50) 8,40	8607-6 N4
7 - 9	6	11,00	(50) 10,00	8607-8 N4
9 - 11	8	12,90	(50) 11,40	8607-10 N4

③ 3-way valves, PE

for hose inner dia. from .. to	Nom. width of bore mm	Price/Unit	Price/Unit of (X) units	Article No.
5 - 7	4	9,30	(50) 8,40	8606-6 N4
7 - 9	6	11,00	(50) 10,00	8606-8 N4
9 - 11	8	12,90	(50) 11,40	8606-10 N4

④ 3-way valves, PVDF/PTFE

for hose inner dia. from .. to	Nom. width of bore mm	Price/Unit	Price/Unit of (X) units	Article No.
5 - 7	4	14,50	(50) 13,20	8608-6 N4
7 - 9	6	16,40	(50) 14,70	8608-8 N4
7 - 9	6	16,30	(50) 14,60	8609-8 N4 ¹⁾
9 - 11	8	18,10	(50) 16,40	8608-10 N4

¹⁾ 8609-8 has alternative flow configurations – see diagram above

CPC Rapid couplings – male connections

for liquids, gases, compressed air and vacuum

Bulk prices available

CPC rapid couplings are the ideal connectors when connecting and separating hoses, machines, apparatus, containers, etc. Top quality, with tested reliability, small space requirement, maximum possible flow, easy

operation (single handed operation) and an elegant design distinguish CPC rapid couplings, thus fulfilling the most stringent requirements.

CPC is available in two different materials, Celcon (acetal copolymer) and PP (polypropylene). CPC is available with a hose nozzle, hose screw-joint, thread connector or as a build-in component for control panels, with

CPC coupling, nom. width 3.2 mm (1/8"), flow opening, hose nipple 8 mm dia.

Thread		Nom. width mm	Length w./w.o. valve	Celcon with valve		Celcon without valve		PP with valve	
				Price/ Unit*	Article No.	Price/ Unit*	Article No.	Price/ Unit*	Article No.
1/8" NPT		3.2	22/15	10,60	8750-DV2N N3	3,45	8750-D2N N3	12,90	8750-PV2N N3
1/4" NPT		3.2	22/17	10,70	8750-DV4N N3	3,45	8750-D4N N3		
1/8" BSP		3.2	22/15	10,60	8750-DV2B N3	3,55	8750-D2B N3		
1/4" BSP		3.2	22/17	11,20	8750-DV4B N3	4,05	8750-D4B N3		

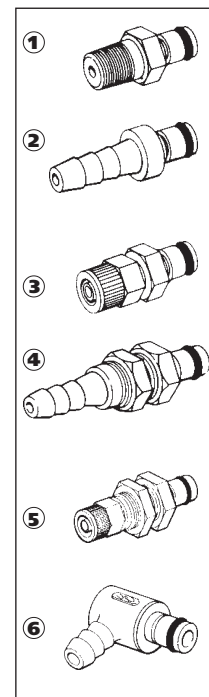
Innerdia. mm		Nom. width mm	Length w./w.o. valve	Celcon with valve		Celcon without valve		PP with valve	
				Price/ Unit*	Article No.	Price/ Unit*	Article No.	Price/ Unit*	Article No.
1.6		3.2	34/20	11,20	8751-DV1 N3	3,00	8751-D1 N3	14,90	8751-PV1 N3
3.2		3.2	42/27	10,10	8751-DV2 N3	1,86	8751-D2 N3	11,40	8751-PV2 N3
4.8		3.2	44/32	10,20	8751-DV3 N3	2,18	8751-D3 N3		
6.4		3.2	40/32	10,10	8751-DV4 N3	2,30	8751-D4 N3	13,20	8751-PV4 N3

InnerxOuterdia. mm		Nom. width mm	Length w./w.o. valve	Celcon with valve		Celcon without valve		PP with valve	
				Price/ Unit*	Article No.	Price/ Unit*	Article No.	Price/ Unit*	Article No.
2x4		3.2	39/27	11,10	8752-DV42 N3				
4x6		3.2	37/29	9,80	8752-DV4 N3	5,00	8752-D4 N3	13,40	8752-PV4 N3

Inner dia. mm		Plate bore hole dia.	Nom. width mm	Length w./w.o. valve	Celcon with valve		Celcon without valve		PP with valve	
					Price/ Unit*	Article No.	Price/ Unit*	Article No.	Price/ Unit*	Article No.
3.2		13	3.2	41/16	14,00	8753-DV2 N3	8,10	8753-D2 N3		
4.8		13	3.2	46/16	14,70	8753-DV3 N3	6,70	8753-D3 N3		
6.4		13	3.2	46/16	14,40	8753-DV4 N3	8,20	8753-D4 N3		

InnerxOut-Plate bore erdia. mm		Plate bore hole dia.	Nom. width mm	Length w./w.o. valve	Celcon with valve		Celcon without valve		PP with valve	
					Price/ Unit*	Article No.	Price/ Unit*	Article No.	Price/ Unit*	Article No.
4x6		13	3.2	43/16	17,40	8754-DV4 N3	11,10	8754-D4 N3		

Innerdia. mm		Nom. width mm	Length w./w.o. valve	Celcon with valve		Celcon without valve		PP with valve	
				Price/ Unit*	Article No.	Price/ Unit*	Article No.	Price/ Unit*	Article No.
3.2		3.2	28/28	14,00	8755-DV2 N3				
6.4		3.2	28/28	14,00	8755-DV4 N3	8,80	8755-D4 N3	17,20	8755-PV4 N3



Product information

Body	Celcon	PP
Spring/lock	Stainless steel 316	Stainless steel 316
Seal (standard)	Buna-N	EPDM
Colour	white	beige
Working pressure at 20°C	from vacuum	up to 8 bar
Nom. width 3.2 mm	up to 10 bar	
Working temperature	- 40°C	0° C
	up to + 80° C	up to + 110° C

CPC Rapid couplings – female connections

the quick and safe connection, one hand operation

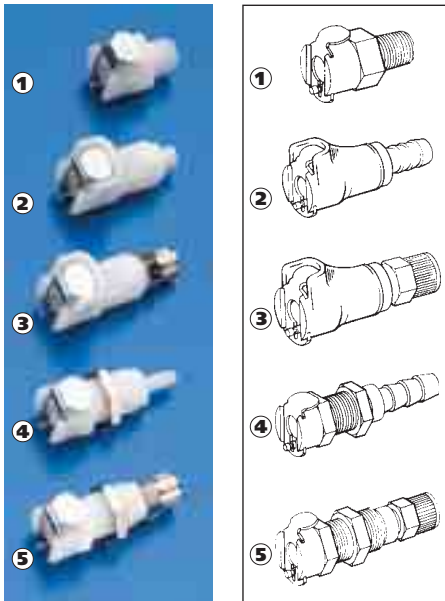
Bulk prices available

or without stop-valve respectively. The couplings are simply connected to each other, automatically clicking into place and opening the valve. When disconnecting, (one handed operation), the valves are automatically sealed. No leakage occurs.

The secure O-ring guarantees that CPC rapid couplings are leak-proof.

CPC is available with nominal widths of 3.2 mm (1/8") or 6.4 mm (1/4"), see also pages 226 and 227.

All the couplings (female connections) and nipples (male connections) that are within the same flow range are interconnecting.



CPC coupling nom. width 3.2 mm (1/8"), flow opening, connector opening 8 mm dia. 

① Hose couplings (female connections) with conical external thread

Thread	Nom. width mm	Length w./w.o. valve	Celcon with valve		Celcon without valve		PP with valve	
			Price/ Unit*	Article No.	Price/ Unit*	Article No.	Price/ Unit*	Article No.
1/8" NPT	3.2	26	10,20	8740-DV2N N3			12,10	8740-PV2N N3
1/4" NPT	3.2	28	10,20	8740-DV4N N3			12,90	8740-PV4N N3
1/8" BSP	3.2	26	10,20	8740-DV2B N3				
1/4" BSP	3.2	28	10,70	8740-DV4B N3				

② Hose couplings with hose nozzles

Inner dia. mm		Length	Celcon with valve		Celcon without valve		PP with valve	
			Price/ Unit*	Article No.	Price/ Unit*	Article No.	Price/ Unit*	Article No.
1.6	3.2	36	11,20	8741-DV1 N3	8,40	8741-D1 N3		
3.2	3.2	42	10,30	8741-DV2 N3	7,20	8741-D2 N3	11,40	8741-PV2 N3
4.8	3.2	47	10,70	8741-DV3 N3	7,40	8741-D3 N3		
6.4	3.2	47	10,30	8741-DV4 N3	7,20	8741-D4 N3	16,90	8741-PV4 N3

③ Hose couplings with hose screw-joint

Inner x Outer dia. mm		Length	Celcon with valve		Celcon without valve		PP with valve	
			Price/ Unit*	Article No.	Price/ Unit*	Article No.	Price/ Unit*	Article No.
2x4	3.2	42	18,90	8742-DV42 N3				
4x6	3.2	44	10,90	8742-DV4 N3	9,50	8742-D4 N3	17,60	8742-PV4 N3

④ for plate mounting with hose nozzle

Inner dia. mm	Plate bore hole dia.		Length	Celcon with valve		Celcon without valve		PP with valve	
				Price/ Unit*	Article No.	Price/ Unit*	Article No.	Price/ Unit*	Article No.
1.6	13	3.2	36	15,60	8743-DV1 N3			18,50	8743-PV1 N3
3.2	13	3.2	42	14,30	8743-DV2 N3	12,70	8743-D2 N3	16,70	8743-PV2 N3
4.8	13	3.2	47	14,50	8743-DV3 N3				
6.4	13	3.2	47	14,50	8743-DV4 N3	12,90	8743-D4 N3	17,60	8743-PV4 N3

⑤ for plate mounting with hole screw-joint

Inner x Outer dia. mm	Plate bore hole dia.		Length	Celcon with valve		Celcon without valve		PP with valve	
				Price/ Unit*	Article No.	Price/ Unit*	Article No.	Price/ Unit*	Article No.
2x4	13	3.2	42	14,90	8744-DV42 N3	13,30	8744-D42 N3		
4x6	13	3.2	44	14,70	8744-DV4 N3	13,30	8744-D4 N3	18,70	8744-PV4 N3

*) Bulk prices for 25 pieces or more per size

CPC Rapid couplings – male connections

for liquids, gases, compressed air and vacuum

Bulk prices available

CPC coupling, nom. width 6.4 mm (1/4"), flow opening, hose nipple 11 mm dia.

① Hose nipples (male connections) with external thread

Thread	Nom. width mm	Length w./w.o. valve	Celcon with valve		Celcon without valve		PP with valve	
			Price/ Unit*	Article No.	Price/ Unit*	Article No.	Price/ Unit*	Article No.
1/4" NPT	6.4	38/32	11,20	8770-DV4N N3	3,70	8770-D4N N3	15,40	8770-PV4N N3
3/8" NPT	6.4	36/32	11,20	8770-DV6N N3	2,18	8770-D6N N3		
1/4" BSP	6.4	38/32	11,20	8770-DV4B N3	3,70	8770-D4B N3		

② Hose nipples with hose nozzles

Innerdia. mm								
6.5	6.4	47/32	11,10	8771-DV4 N3	2,40	8771-D4 N3	13,20	8771-PV4 N3
8	6.4	47/32	11,10	8771-DV5 N3	2,40	8771-D5 N3		
9.5	6.4	42/32	11,10	8771-DV6 N3	2,40	8771-D6 N3	14,40	8771-PV6 N3

③ Hose nipples with hose screw-joint

InnerxOuterdia. mm								
4X6	6.4	45/32	13,10	8772-DV4 N3	6,10	8772-D4 N3		
6X8	6.4	43/35	14,70	8772-DVM8 N3	11,40	8772-DM8 N3		
6X9.5	6.4	43/35	13,10	8772-DV6 N3	6,10	8772-D6 N3	17,60	8772-PV6 N3
8X10	6.4	43/35	19,40	8772-DVM10N3	11,20	8772-DM10N3		

④ For plate mounting with hose screw-joint

Inner dia. mm	Plate bore hole dia.							
6.5	19	6.4	49/35	14,60	8773-DV4 N3	6,70	8773-D4 N3	
8	19	6.4	49/42	15,60	8773-DV5 N3	9,10	8773-D5 N3	
9.5	19	6.4	49/47	19,00	8773-DV6 N3	8,60	8773-D6 N3	

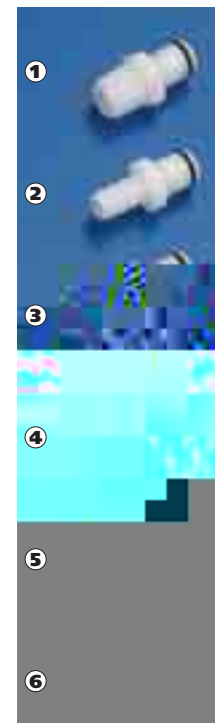
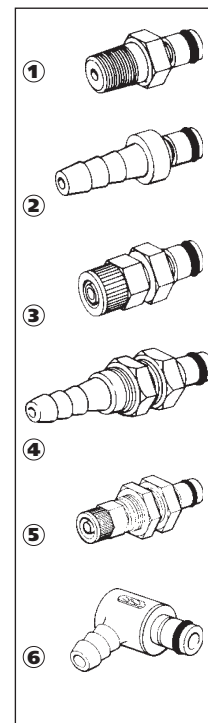
⑤ For plate mounting with hose screw-joint

InnerxOut-Plate bore	erdia. mm	hole dia.						
4x6	19	6.4	45/45	14,00	8774-DV4 N3			
6x8	19	6.4	49/49	18,70	8774-DVM8 N3			

⑥ Angled nipples with hose nozzle

Innerdia. mm								
6.5	6.4	31/31	14,00	8775-DV4 N3	8,80	8775-D4 N3	16,40	8775-PV4 N3
9.5	6.4	31/31	14,00	8775-DV6 N3	8,80	8775-D6 N3	17,20	8775-PV6 N3

*) Quantity rebate: rebate for 25 pieces per size



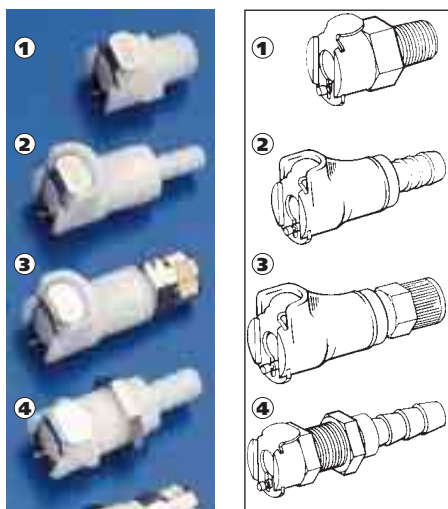
Product information

Body	Celcon	PP
Spring/lock	Stainless steel 316	Stainless steel 316
Seal (standard)	Buna-N	EPDM
Colour	white	beige
Working pressure at 20°C	from vacuum	up to 8 bar
NW 6.4 mm	up to 10 bar	
Working temperature	-40°C	0° C
	up to +80° C	up to +110° C

CPC Rapid couplings – female connections

the quick and safe connection, one hand operation

Bulk prices available



CPC coupling nom. width 6.4 mm (1/4"), flow opening, connector opening 11 mm dia.



① Hose couplings (female connections) with conical external thread

Thread	Nom. width mm	Length w./w.o.valve	Celcon with valve		Celcon without valve		PP with valve	
			Price/ Unit*	Article No.	Price/ Unit*	Article No.	Price/ Unit*	Article No.
1/4" NPT	6.4	29	11,10	8760-DV4N N3	9,90	8760-D4NN3	13,60	8760-PV4N N3
3/8" NPT	6.4	29	11,10	8760-DV6N N3			18,40	8760-PV6N N3
1/4" BSP	6.4	29	11,10	8760-DV4B N3	9,90	8760-D4BN3		
3/8" BSP	6.4	29			10,10	8760-D6BN3		

② Hose couplings with hose nozzles

Innerdia. mm								
6.5	6.4	50	11,30	8761-DV4 N3	9,40	8761-D4 N3	14,80	8761-PV4 N3
8	6.4	50	11,30	8761-DV5 N3	9,40	8761-D5 N3		
9.5	6.4	50	11,30	8761-DV6 N3	9,40	8761-D6 N3	18,10	8761-PV6 N3

③ Hose couplings with hose screw-joint

InnerxOuterdia. mm								
4x6	6.4	47	16,20	8762-DV4 N3	14,90	8762-D4 N3		
6x8	6.4	50	17,40	8762-DVM8 N3	16,60	8762-DM8N3		
8x10	6.4	50	18,40	8762-DVM10N3				

④ For plate mounting with hose nozzles

Inner dia. mm	Plate bore hole dia.								
6.5	19	6.4	50	21,30	8763-DV4 N3	19,00	8763-D4 N3	24,20	8763-PV4 N3
8	19	6.4	50	22,40	8763-DV5 N3	20,00	8763-D5 N3		
9.5	19	6.4	50	21,30	8763-DV6 N3	19,00	8763-D6 N3	24,20	8763-PV6 N3

**Hose couplings, 100 % plastic, no metal parts, without valve
6.4 mm (1/4") flow opening, hose nipple/coupling 11 mm dia.**

Model	Connector type	Hose/thread	Nom. width mm	Length mm	Price/Unit*	Article No.	
⑤	coupling, compl.	hose nozzle	6.4	6.4	54	4,45	8780-D4 N3
⑤	coupling, compl.	hose nozzle	9.5	6.4	54	4,45	8780-D6 N3
⑥	coupling	hose nozzle	6.4	6.4	34	2,90	8781-D4 N3
⑥	coupling	hose nozzle	9.5	6.4	34	2,90	8781-D6 N3
⑦	coupling	thread	3/8" NPT	6.4	35	4,70	8784-D6N N3
⑧	nipple	hose nozzle	6.4	6.4	36	1,63	8782-D4 N3
⑧	nipple	hose nozzle	9.5	6.4	36	1,63	8782-D6 N3
⑨	angled-nipple	hose nozzle	9.5	6.4	23	3,75	8783-D6 N3



Hoses / Tubings

PVC Industrial tubing

glass-clear

PVC Pressure tubing

fabric reinforced



PVC Industrial tubing, glass-clear

Environmentally-friendly tubing made of soft PVC, cadmium-free, with high resistance against chemicals, high flexibility long-lasting glass-clear transparency and excellent abrasion resistance.

- Glass-clear
- Hardness Shore A 80 ± 3
- Operating temperature -20 °C to +50 °C
- Slight odour
- Slight flavour



PVC Pressure tubing, clear

Fabric reinforced, with long-lasting transparency, increased flexibility, high chemical resistance, excellent ageing and abrasion resistance, environmentally compatible, cadmium-free.

- Clear, water-blue
- Hardness Shore A 70 ± 3
- Operating temperature -20 °C to +60 °C
- TÜV-approved (Germany industry standards)
- Slight odour
- Slight flavour

Bulk prices available

Dimensions

Inner dia. mm	Outer dia. mm	wall thckn. mm
2.0	4.0	1.0
3.0	5.0	1.0
4.0	6.0	1.0
5.0	7.0	1.0
6.0	8.0	1.0
6.0	12.0	3.0
7.0	10.0	1.5
8.0	11.0	1.5
8.0	14.0	3.0
9.0	12.0	1.5
9.0	15.0	3.0
10.0	13.0	1.5
10.0	16.0	3.0
12.0	16.0	2.0
12.0	18.0	3.0
13.0	19.0	3.0
13.2	20.0	3.4
19.0	25.0	3.0

Large reels

Length roll m	Price/Roll	Article No.
100	9,40	8875-0204 N3
100	12,90	8875-0305 N3
100	14,70	8875-0406 N3
100	17,60	8875-0507 N3
100	21,10	8875-0608 N3
100	37,80	8875-0710 N3
50	21,50	8875-0811 N3
50	22,10	8875-0912 N3
50	25,50	8875-1013 N3
50	38,70	8875-1216 N3
50	64,00	8875-1319 N3
50	87,00	8875-1925 N3

Small reels

Length roll m	Price/Roll	Article No.
10	4,14	8801-0204 N3
10	5,00	8801-0305 N3
10	6,00	8801-0406 N3
10	6,50	8801-0507 N3
10	7,00	8801-0608 N3
10	9,70	8801-0710 N3
10	10,00	8801-0811 N3
10	10,10	8801-0912 N3
10	11,10	8801-1013 N3
10	15,00	8801-1216 N3
10	20,80	8801-1319 N3
10	26,90	8801-1925 N3



Large reels

Max. pressure bar	Length roll m	Price/Roll	Article No.
20	50	36,30	8876-0612N3
18	50	43,90	8876-0814N3
16	50	47,90	8876-0915N3
14	50	53,00	8876-1016N3
14	50	69,00	8876-1218N3
12	50	80,00	8876-1320N3

Small reels

Max. pressure bar	Length roll m	Price/Roll	Article No.
20	10	13,50	8802-0612N3
18	10	15,60	8802-0814N3
16	10	16,70	8802-0915N3
14	10	17,90	8802-1016N3
14	10	21,80	8802-1218N3
12	10	23,40	8802-1320N3

Hoses / Tubings

PE Tubing

polyethylene

PTFE/Teflon® Tubing



Polytetrafluoroethylene



PE Tubing, transparent

Generally recognized as safe physiologically, resistant against (non-oxidizing) acids, caustic solutions, salts and a number of solvents, pressure resistant, flexible, impact resistant, light up to + 80° C deformation resistant, also available in black upon request (UV resistant).

- Transparent
- Hardness Shore A 80 ± 3
- Temperature range -40 °C to + 95 °C
- Slight odour
- Slight flavour
- Non-toxic
- Suitable for foodstuffs



PTFE/Teflon Tubing, transparent

Excellent properties: extremely high chemical resistance against all chemicals, smallest frictional coefficient, excellent anti-adhesive qualities/residue emptying. PTFE tubing does not emit odours, burn or smoke and is resistant to ageing and UV light. Not resistant to fluorine compounds or strong reducing agents.

- Opaque
- Hardness: test according ASTM D55
- Temperature range -200 °C to +260 °C
- Sterilizable, ethylene oxide
- Odourless
- Flavourless
- Non-toxic

Bulk prices available

Dimensions

Inner dia. mm	Outer dia. mm	wall thicken. mm
1.0	3.0	1.0
2.0	4.0	1.0
3.0	5.0	1.0
4.0	6.0	1.0
5.0	7.0	1.0
6.0	8.0	1.0
7.0	9.0	1.0
8.0	10.0	1.0
10.0	12.0	1.0
10.0	14.0	2.0
12.0	16.0	2.0



Large reels

Max. Length pressure roll	Price/ Roll	Article No.
15 100	19,70	8878-0305 N3
10 100	24,60	8878-0406 N3
8 100	34,30	8878-0608 N3
9 100	119,00	8878-1014 N3
8 100	138,00	8878-1216 N3

Small reels

Max. Length pressure roll	Price/ Roll	Article No.
15 10	6,70	8805-0305 N3
10 10	7,40	8805-0406 N3
8 10	10,90	8805-0608 N3
9 10	21,80	8805-1014 N3
8 10	25,10	8805-1216 N3



Large reels

Max. Length pressure roll	Price/ Roll	Article No.
30 50	80,00	8879-0103 N3
20 50	109,00	8879-0204 N3
15 50	144,00	8879-0305 N3
12 50	160,00	8879-0406 N3
8.5 50	228,00	8879-0608 N3
7.5 50	272,00	8879-0709 N3
6.5 50	307,00	8879-0810 N3
5.5 50	372,00	8879-1012 N3

Small reels

Max. Length pressure roll	Price/ Roll	Article No.
30 5	13,50	8804-0103 N2
20 5	17,40	8804-0204 N2
15 5	21,50	8804-0305 N2
12 5	24,00	8804-0406 N2
10 5	30,70	8804-0507 N2
8.5 5	32,70	8804-0608 N2
7.5 5	38,60	8804-0709 N2
6.5 5	43,10	8804-0810 N2
5.5 5	53,00	8804-1012 N2

Hoses / Tubings

Silicone Tubing

standard quality

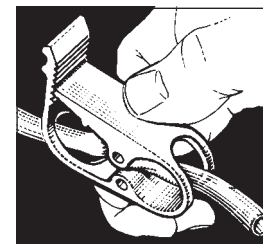
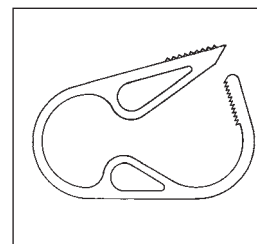
Hose clamp Squeeze-Fix



Silicone Tubing, transparent

Highly flexible, transparent tubing. Good resistance against weak acids and alkalis. Do not use for strong acids and caustic solutions. Swells in organic solvents. Largely non-reactive to ionizing solvents except chlorinated aliphatic and aromatic hydrocarbons.

- Transparent
- Hardness Shore A 55 ± 5°
- Temperature range -60 °C to +200 °C in short times +260 °C
- Sterilizable, ethylene oxide
- Slight odour
- Slight flavour
- Non-toxic



Squeeze-Fix

The hose can be squeezed step-wise or completely compressed.

- Easily used with one hand
- Made of white acetal, sterilizable, does not rust, is permanently elastic, hygienic)
- Available in 3 sizes

Bulk prices available

Dimensions

Inner dia. mm	Outer dia. mm	wall thicken. mm
4.0	6.0	1.0
5.0	8.0	1.5
6.0	9.0	1.5
7.0	10.0	1.5
8.0	12.0	2.0
10.0	15.0	2.5
12.0	16.0	2.0

autoclave
121°

+200°C
-60°C

Large reels

Max. Length pressure roll bar m	Price/ Roll	Article No.
50	51,00	8881-0406 N3
50	87,00	8881-0508 N3
50	101,00	8881-0609 N3
50	112,00	8881-0710 N3
50	154,00	8881-0812 N3
50	237,00	8881-1015 N3
25	108,00	8881-1216 N3

Small reels

Max. Length pressure roll bar m	Price/ Roll	Article No.
10	17,10	8803-0406 N3
10	26,50	8803-0508 N3
10	30,10	8803-0609 N3
10	33,70	8803-0710 N3
10	44,70	8803-0812 N3
5	35,60	8803-1015 N3
5	32,50	8803-1216 N3

Hose clamp Squeeze-Fix

fits for hose dia. mm	Length mm	Price/ Unit	Price/Unit of (X) units	Article No.
1-5	25	0,46	(100) 0,39	8618-1 N3
3-10	40	1,17	(100) 1,03	8618-2 N3
6-15	55	1,73	(100) 1,57	8618-3 N3

stop-it

with Easy-Click closure

**bürkle**

stop-it is available in 3 sizes.



Step-less flow regulation with stop-it.



4 colours for better differentiation.



1 Attach stop-it - really easy.



2 click!



3 Regulate the flow.



4 Open and drop.

stop-it Step-less flow regulation

The micro setting screw allows very fine step-less flow control; the flow can also be shut off completely, and that also with already existing hose connections.

The fully adjustable pressure plate squeezes the hose against the stable steel hook. The hose is compressed over a wide area, in order to prevent it from being damaged. Stop-it can be mounted on hoses after they have been connected.

Easy-Click closure

stop-it can be opened and closed in any position – without any tiresome screwing on and off, see below.

Top-quality material

stop-it is made from the heat-resistant and chemical resistant plastic PVDF, the clamp is galvanised steel.

Sizes from 1 to 20 mm

stop-it is available for flexible tubing connections with outer diameters up to 10 mm, up to 15 mm and up to 20 mm.

- Temperature resistant up to 160 °C.
- Made of PVDF and galvanised steel.
- Available in 4 fresh colours.



Why don't you join in?

Just photograph Bürkle products in practical use.
See front jacket flap

Hose clamp stop-it			red	blue	green	yellow	
Hose dia. max. mm	Price/Unit	Price/Unit of (X) units	Article No.	Article No.	Article No.	Article No.	
to 10	1,82	(50) 1,64	8619-102	8619-105	8619-106	8619-104	N4
to 15	3,05	(50) 2,85	8619-152	8619-155	8619-156	8619-154	N4
to 20	3,85	(50) 3,50	8619-202	8619-205	8619-206	8619-204	N4



Threaded fittings made of PP

for the rapid and secure connection



1 Tube nozzle fixed
outer thread



2 Tube nozzle with cap nut
inner thread
seal made of EPDM



3 Tube bend, fixed, made of PP
outer thread



4 Tube bend with cap nut
inner thread
seal made of EPDM



5 Hexagonal nuts
inner thread



6 Flat seal
polyethylene,
transparent, fits
outer thread (No. 8538-) or inner
thread (No. 8539-).

Usefull accessory for all screw connections:
sealing tape for threads, Art. No. 8616-10

1 Tube nozzles, fixed, outer thread						
Thread	Nozzle dia. mm	Nom. width mm	Price/Unit	Price/Unit of (X) units	Article No.	
3/8"	12	7,5	0,73	(20) 0,67	8545-3812	N3
1/2"	13	8	0,94	(20) 0,85	8545-12	N3
1/2"	16	10	1,14	(20) 1,04	8545-1216	N3
1/2"	20	13	1,20	(20) 1,11	8545-1220	N3
3/4"	16	10,5	1,07	(20) 0,96	8545-34	N3
3/4"	12	7,5	1,05	(20) 0,95	8545-3412	N3
3/4"	20	13	1,21	(20) 1,12	8545-3420	N3
1"	25	19	1,31	(10) 1,20	8545-1	N3

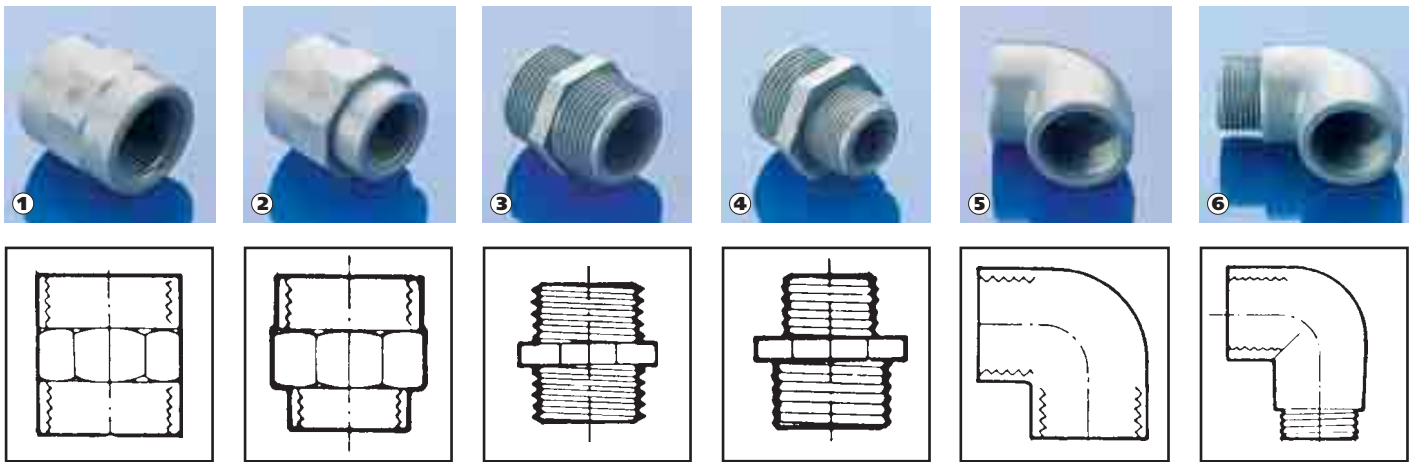
2 Tube nozzles, with cap nut, inner thread						
Thread	Nozzle dia. mm	Nom. width mm	Price/Unit	Price/Unit of (X) units	Article No.	
1/2"	13	9	1,74	(20) 1,58	8546-12	N3
1/2"	16	10	1,98	(20) 1,79	8546-1216	N3
3/4"	16	10	1,86	(20) 1,69	8546-34	N3
3/4"	10	6	2,19	(20) 2,13	8546-3410	N3
3/4"	12	7,5	1,99	(20) 1,81	8546-3412	N3
3/4"	13	8,5	2,31	(20) 2,19	8546-3413	N3
3/4"	20	13	2,15	(20) 1,95	8546-3420	N3
1"	25	20	2,16	(10) 1,96	8546-1	N3

3 Tube bends, fixed, outer thread						
Thread	Nozzle dia. mm	Nom. width mm	Price/Unit	Price/Unit of (X) units	Article No.	
1/2"	12	7,5	1,59	(20) 1,46	8547-12	N3
1/2"	16	11	1,99	(20) 1,81	8547-1216	N3
1/2"	20	15	2,16	(20) 1,95	8547-1220	N3
3/4"	12	7,5	1,63	(20) 1,50	8547-34	N3
3/4"	20	15	2,29	(20) 2,08	8547-3420	N3
3/4"	22	17	2,21	(20) 2,01	8547-3422	N3
3/4"	25	19,5	2,29	(20) 2,08	8547-3425	N3
1"	25	19,5	2,33	(10) 2,11	8547-1	N3

4 Tube bends, with cap nut, inner thread						
Thread	Nozzle dia. mm	Nom. width mm	Price/Unit	Price/Unit of (X) units	Article No.	
1/2"	12	7,5	2,55	(20) 2,31	8548-12	N3
3/4"	16	11	2,95	(20) 2,65	8548-34	N3
3/4"	12	7	3,14	(20) 2,80	8548-3412	N3
3/4"	20	15,5	3,40	(20) 3,05	8548-3420	N3
1"	25	19,5	3,55	(10) 3,25	8548-1	N3

5 Hexagonal nuts, inner thread					
Thread	Wrench size mm	Price/Unit	Price/Unit of (X) units	Article No.	
1/2"	27	1,63	(10) 1,50	8537-12	N3
3/4"	36	1,86	(10) 1,69	8537-34	N3
1"	46	2,04	(10) 1,87	8537-1	N3

6 Flat seals made of PE					
Fits for thread	Price/Bag 10 pcs.	Price/Bag of (x) bags	Article No.		
1/2" outer	1,95	(10) 1,77	8538-12	N3	
3/4" outer	2,02	(10) 1,97	8538-34	N3	
1" outer	4,01	(10) 3,65	8538-1	N3	
1/2" inner	1,95	(10) 1,77	8539-12	N3	
3/4" inner	2,02	(10) 1,97	8539-34	N3	
1" inner	4,01	(10) 3,70	8539-1	N3	



①

②

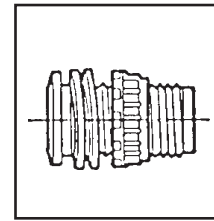
③

④

⑤

⑥





1/2"	15	29,20	(5)	26,20	8550-12 N3
3/4"	20	33,30	(5)	29,90	8550-34 N3
1"	25	40,60	(5)		



1					
A	C				
		11,55	(10)	10,39	8551-12 N3
		13,76	(10)	12,39	8551-34 N3
		16,57	(10)	14,92	8551-1 N3

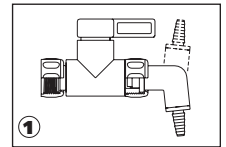
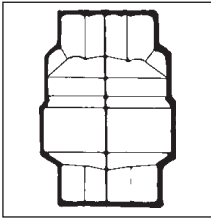
2					
B	C				
		12,82	(10)	11,54	8552-12 N3
		15,00	(10)	13,50	8552-34 N3
		18,15	(10)	16,33	8552-1 N3



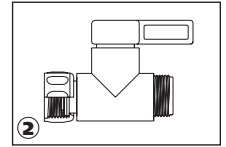
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4					



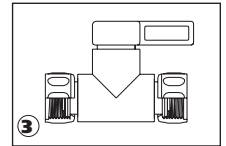
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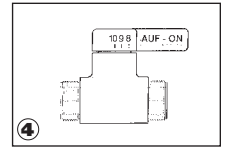
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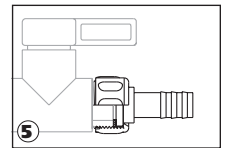
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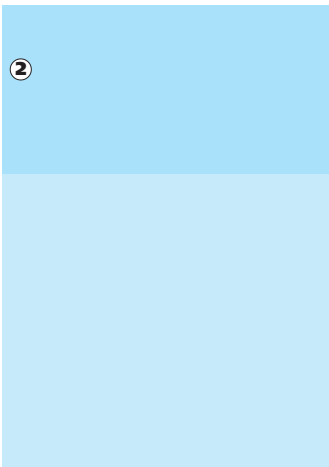
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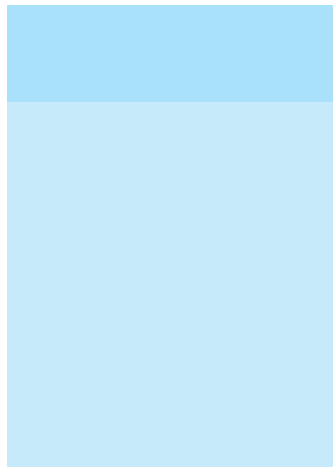
4



5



2



1

2

3

4

5

6



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Two values are given per substance, left number = value at + 20 °C, right number = value at + 50 °C.

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Plastics Technology

Overview of Chemical Resistance

E-CTFE	Ethylene-chlorotrifluoroethylene (Halar®)	PA	Polyamide	PSU	Polysulfone
FEP	Fluorinated ethylene-propylene (Teflon® FEP)	PC	Polycarbonate	PTFE	Polytetrafluoroethylene
FPM	Fluoroelastomer (Viton®)	PFA	Perfluoro-alkoxy (Teflon® PFA)	PVC	Polyvinylchlorid
HDPE	High-density polyethylene	PMP	Polymethylpentene (TPX®)	PVDF	Polyvinyl idenfluoride
LDPE	Low-density polyethylene	PP	Polypropylene	SAN	Styrene-acrylnitrile
		PS	Polystyrene	SI	Silicone rubber

Plastics abbreviations	max. °C 1)	Temperature min °C 2)	steam 4) 121°C	gas ethyleneoxide	Sterilization 5) radiation 2.5 kGy	chemical formalin, ethanol	Transparency	Flexibility	Specific weight g/cm ³	Water absorption %
E-CTFE	+ 150°	- 100°	yes	yes	no	yes	transparent	moderate	1.70	< 0.10
FEP	+ 205°	- 255°	yes	yes	no	yes	transparent	very good	2.15	< 0.01
FPM	+ 200°	- 20°					black	good	1.90	
HDPE	+ 110°	- 50°	no	yes	yes	yes	transparent	excellent	0.95	0.01
LDPE	+ 95°	- 50°	no	yes	yes	yes	transparent	excellent	0.92	0.01
PA	+ 90°	- 0°	no	yes	yes	yes	transparent	stiff	1.13	1.30
PC	+ 135°	- 135°	yes	yes	yes	yes	clear	rigid	1.20	0.35
PFA	+ 250°	- 270°	yes	yes	no	yes	transparent	excellent	2.15	0.03
PMP	+ 175°	- 150°	yes	yes	yes	yes	glass-clear	stiff	0.83	0.01
PP	+ 135°	0°	yes	yes	no	yes	transparent	stiff	0.90	0.02
PS	+ 70°	- 20°	no	no	yes	yes	glass-clear	stiff	1.05	0.05
PSU	+ 165°	- 100°	yes	yes	yes	yes	clear	stiff	1.24	0.30
PTFE	+ 270°	- 270°	yes	yes	no	yes	white	excellent	2.25	< 0.01
PVC	+ 70°	- 30°	no ³⁾	yes	no	yes	clear	stiff	1.35	0.06
PVDF	+ 160°	- 4°	yes	yes	yes	yes	transparent	stiff	1.78	0.04
SAN	+ 95°	- 40°	no	yes	no	yes	glass-clear	stiff	1.03	0.05
SI	+ 180°	- 60°	yes	yes	no	yes	transparent	excellent	1.10	

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

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	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).

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- Terms and Conditions – front cover flap inside
- How to determine thread sizes – hind cover flap inside

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