Лабораторное оборудование

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

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Смоленск (4812)29-41-54
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Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
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Тольятти (8482)63-91-07
Томск (3822)98-41-53
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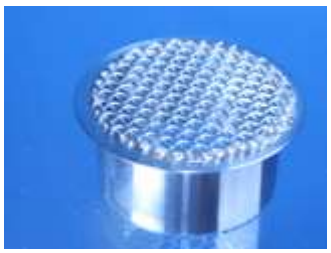
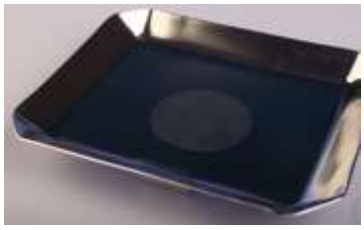


Sieve, 10 mesh, (2.0 mm) Option for bulk density apparatus USP616 L50566030S

The Scott Volumeter is equipped with a 1 mm (18 mesh) screen as standard.

This screen is available with a 2.00 mm (10 mesh) screen as an option.



Stainless steel bowl for measuring cups, square shape 534680W

Replaced by item: L5056601W
Still available as a custom-made product!

The measuring cup is placed in the tub and collects the sample material. A marking ensures that the cup is positioned according to the standards. The excess sample material is collected and can be easily poured out.

Collecting tray for equipment, 350*250*50 mm made of stainless steel L505660A

Practical, sturdy stainless steel support tray for all HLL.de material testing equipment.
Keeps your lab bench clean and ensures a clean working environment.

The tray is large enough to accommodate the entire equipment.
Overflowing sample material is collected safely and cleanly.

Height: 5 cm, volume: 4 liters.
Material: stainless steel, matte polished, flat base, ensuring stable installation of the equipment.

Stainless steel bowl for measuring cups, round shape L5056601W

The measuring cup is placed in the tray and collects the sample material. A marking ensures that the cup is positioned correctly. Any excess sample material is collected and can be easily poured out.
Diameter: 160 mm

Articles similar to: Pump syringe, 10 ml glass, chemical-resistant

106720225	**Pump syringe, 10 ml glass, chemically resistant** , gas-tight, up to 5 bar, connection standard Luer Lock, male	10 ml
106720230	**Pump syringe, 1 ml, glass, chemically resistant** , gas-tight, up to 5 bar, connection standard UNF	1 ml
106720231	**Pump syringe, 2.5 ml, glass, chemically resistant** , gas-tight, up to 5 bar, connection standard UNF	2.5 ml
106720235	**Pump syringe, 10 ml glass, chemically resistant** , gas-tight, up to 5 bar, connection standard UNF	10 ml
106720236	**Pump syringe, 100 µl glass, chemically resistant** , gas-tight, up to 50 bar, connection UNF- 1/4	100 µl

Articles similar to: Stainless steel syringe 1 ml, pressure resistant up to 750 PSI, Luer Lock adapter

106720610	**1 ml stainless steel syringe, pressure-resistant up to 750 PSI, Luer Lock adapter.** These syringes are particularly suitable for applications where the solution needs to be tempered, continuous use with a single application is planned, and pressure-resistant hose connections are required. The plungers are equipped with...	1 ml
106720611	**Stainless steel syringe 1 ml, pressure-resistant up to 750 PSI, 1/16 Swagelok adapter.** These syringes are particularly suitable for applications where the solution needs to be tempered, continuous use with a single application is planned, and pressure-resistant hose connections are required. The plungers are equipped with...	1 ml
106720612	**Stainless steel syringe 1 ml, pressure-resistant up to 750 PSI, 1/8 Swagelok adapter.** These syringes are particularly suitable for applications where the solution needs to be tempered, continuous use with a single application is planned, and pressure-resistant hose connections are required. The plungers are equipped with...	1 ml
106720620	**Stainless steel syringe 3 ml, pressure-resistant up to 750 PSI, Luer Lock adapter.** These syringes are particularly suitable for applications where the solution needs to be tempered, continuous use with a single application is planned, and pressure-resistant hose connections are required. The plungers are equipped with...	3 ml
106720621	**Stainless steel syringe 3 ml, pressure-resistant up to 750 PSI, 1/16 Swagelok adapter.** These syringes are particularly suitable for applications where the solution needs to be tempered, continuous use with a single application is planned, and pressure-resistant hose connections are required. The plungers are equipped with...	3 ml

106720622	**Stainless steel syringe 3 ml, pressure-resistant up to 750 PSI, 1/8 Swagelok adapter.** These syringes are particularly suitable for applications where the solution needs to be tempered, continuous use with a single application is planned, and pressure-resistant hose connections are required. The plungers are equipped with...	3 ml
106720640	**Stainless steel syringe 8 ml, pressure-resistant up to 1500 PSI, Luer Lock adapter.** These syringes are particularly suitable for applications where the solution needs to be tempered, continuous use with a single application is planned, and pressure-resistant hose connections are required. The plungers are equipped with...	8 ml
106720641	**Stainless steel syringe 8 ml, pressure-resistant up to 1500 PSI, 1/16 Swagelok adapter.** These syringes are particularly suitable for applications where the solution needs to be tempered, continuous use with a single application is planned, and pressure-resistant hose connections are required. The plungers are equipped with...	8 ml
106720642	**Stainless steel syringe 8 ml, pressure-resistant up to 1500 PSI, 1/8 Swagelok adapter.** These syringes are particularly suitable for applications where the solution needs to be tempered, continuous use with a single application is planned, and pressure-resistant hose connections are required. The plungers are equipped with...	8 ml
106720650	**Stainless steel syringe 20 ml, pressure-resistant up to 750 PSI, Luer Lock adapter.** These syringes are particularly suitable for applications where the solution needs to be tempered, continuous use with a single application is planned, and pressure-resistant hose connections are required. The plungers are equipped with...	20 ml
106720651	**Stainless steel syringe 20 ml, pressure-resistant up to 750 PSI, 1/16 Swagelok adapter.** These syringes are particularly suitable for applications where the solution needs to be tempered, continuous use with a single application is planned, and pressure-resistant hose connections are required. The plungers are equipped with...	20 ml
106720652	**Stainless steel syringe 20 ml, pressure-resistant up to 750 PSI, 1/8 Swagelok adapter.** These syringes are particularly suitable for applications where the	20 ml

	solution needs to be tempered, continuous use with a single application is planned, and pressure-resistant hose connections are required. The plungers are equipped with...	
106720653	**Stainless steel syringe 20 ml, pressure-resistant up to 750 PSI, 1/4 Swagelok adapter.** These syringes are particularly suitable for applications where the solution needs to be tempered, continuous use with a single application is planned, and pressure-resistant hose connections are required. The plungers are equipped with...	20 ml
106720660	**Stainless steel syringe 50 ml, pressure-resistant up to 750 PSI, Luer Lock adapter.** These syringes are particularly suitable for applications where the solution needs to be tempered, continuous use with a single application is planned, and pressure-resistant hose connections are required. The plungers are equipped with...	50 ml
106720661	**Stainless steel syringe 50 ml, pressure-resistant up to 750 PSI, 1/16 Swagelok adapter.** These syringes are particularly suitable for applications where the solution needs to be tempered, continuous use with a single application is planned, and pressure-resistant hose connections are required. The plungers are equipped with...	50 ml
106720662	**Stainless steel syringe 50 ml, pressure-resistant up to 750 PSI, 1/8 Swagelok adapter.** These syringes are particularly suitable for applications where the solution needs to be tempered, continuous use with a single application is planned, and pressure-resistant hose connections are required. The plungers are equipped with...	50 ml
106720663	**Stainless steel syringe 50 ml, pressure-resistant up to 750 PSI, 1/4 Swagelok adapter.** These syringes are particularly suitable for applications where the solution needs to be tempered, continuous use with a single application is planned, and pressure-resistant hose connections are required. The plungers are equipped with...	50 ml
106720670	**Stainless steel syringe 100 ml, pressure-resistant up to 750 PSI, Luer Lock adapter.** These syringes are particularly suitable for applications where the solution needs to be tempered, continuous use with a single application is planned, and pressure-resistant hose connections are required. The plungers are equipped with...	100 ml

106720671	**Stainless steel syringe 100 ml, pressure-resistant up to 750 PSI, 1/16 Swagelok adapter.** These syringes are particularly suitable for applications where the solution needs to be tempered, continuous use with a single application is planned, and pressure-resistant hose connections are required. The plungers are...	100 ml
106720672	**Stainless steel syringe 100 ml, pressure-resistant up to 750 PSI, 1/8 Swagelok adapter.** These syringes are particularly suitable for applications where the solution needs to be tempered, continuous use with a single application is planned, and pressure-resistant hose connections are required. The plungers are equipped with...	100 ml
106720673	**Stainless steel syringe 100 ml, pressure-resistant up to 750 PSI, 1/4 Swagelok adapter.** These syringes are particularly suitable for applications where the solution needs to be tempered, continuous use with a single application is planned, and pressure-resistant hose connections are required. The plungers are equipped with...	100 ml
106720680	**Stainless steel syringe 200 ml, pressure-resistant up to 750 PSI, Luer Lock adapter.** These syringes are particularly suitable for applications where the solution needs to be tempered, continuous use with a single application is planned, and pressure-resistant hose connections are required. The plungers are equipped with...	200 ml
106720681	**Stainless steel syringe 200 ml, pressure-resistant up to 750 PSI, 1/16 Swagelok adapter.** These syringes are particularly suitable for applications where the solution needs to be tempered, continuous use with a single application is planned, and pressure-resistant hose connections are required. The plungers are...	200 ml
106720682	**Stainless steel syringe 200 ml, pressure-resistant up to 750 PSI, 1/8 Swagelok adapter.** These syringes are particularly suitable for applications where the solution needs to be tempered, continuous use with a single application is planned, and pressure-resistant hose connections are required. The plungers are equipped with...	200 ml
106720683	**Stainless steel syringe 200 ml, pressure-resistant up to 750 PSI, 1/4 Swagelok adapter.** These syringes are particularly suitable for applications where the	200 ml

	solution needs to be tempered, continuous use with a single application is planned, and pressure-resistant hose connections are required. The plungers are equipped with...	

Gelatin viscosity pipette 100 ml 106720690

Pipette for determining the dynamic viscosity of gelatin according to GMIA and GME standards

Material: Borosilicate 3.3
Volume: 100 ml
Dimensions: According to standard
Marking: Individual consecutive number

Factory calibration certificate

The constants A and B of the pipette are determined with traceable reference standards
Temperature: 60°C

Optionally, an additional determination of the constants at 25°C is possible

Articles similar to: Hose nozzle 2 mm for GL 18 cap, stainless steel 1.4301

SON05112	**2 mm hose nozzle for GL 18 cap, stainless steel 1.4301** capillary tube welded to base body. Fittings for glass connections. For hose connection to GL 18 thread. Pressure-resistant, hygienic, autoclavable.	1 mm	2 mm
SON05113	**5 mm hose nozzle for GL 18 cap, stainless steel 1.4301** capillary tube welded to base body. Fittings for glass connections. For hose connection to GL 18 thread. Pressure-resistant, hygienic, autoclavable.	3 mm	5 mm
SON05114	**8 mm hose nozzle for GL 18 cap, stainless steel 1.4301.** Fittings for glass connections. For hose connection to GL 18 threads. Pressure-resistant, hygienic, autoclavable. Required accessories: sealing ring, GL 18 cap.	6 mm	8 mm
SON05115	**11 mm hose nozzle for GL 18 cap, stainless steel 1.4301** capillary tube welded to base body. Fittings for glass connections. For hose connection to GL 18 thread. Pressure-resistant, hygienic, autoclavable.	9 mm	11 mm

Tempering vessel, double-walled, material 1.4301, base 2 mm SON05492

Inner diameter: 175 mm. Outer diameter: 200 mm. With two hose connections for temperature control. Inner height: 200 mm. Lid DN 200 x 8 mm. Two-piece with holes and two handles. Size and details can be customized upon request. Please inquire.

Articles similar to: Incubation jacket, stainless steel, for 100 ml Schott laboratory bottles

SON0500011	**Incubation jacket, stainless steel, for 100 ml Schott laboratory bottles** . Inner diameter: approx. 57 mm. Jacket height: approx. 48 mm. Double jacket, without additional insulation and without bottom. - Controlled temperature control of reactions - Easy exchange of reaction vessels -...	48 mm	57 mm
SON0500012	**Incubation jacket, stainless steel, for temperature control of Schott laboratory bottles 250 ml.** Inner diameter: approx. 71 mm. Jacket height: approx. 85 mm. Double jacket, without additional insulation and without bottom. - Controlled temperature control of reactions - Easy replacement of...	85 mm	71 mm
SON0500014	**Incubation jacket, stainless steel, for temperature control of Schott laboratory bottles 500 ml** . Inner diameter: approx. 87 mm. Jacket height: approx. 92 mm. Double jacket, without additional insulation and without bottom. - Controlled temperature control of reactions - Easy replacement of...	92 mm	87 mm
SON0500015	**Incubation jacket, stainless steel, for temperature control of 1000 ml Schott laboratory bottles.** Inner diameter: approx. 103 mm. Jacket height: approx. 143 mm. Double jacket, without additional insulation and without bottom. - Controlled temperature control of reactions - Easy	143 mm	103 mm

	replacement of...		
SON0500016	**Incubation jacket, stainless steel, for temperature control of Schott laboratory bottles 2000 ml.** Inner diameter: approx. 138 mm. Jacket height: approx. 160 mm. Outer diameter: approx. 148 mm. Double jacket, without additional insulation and without bottom. - Controlled temperature control of...	160 mm	138 mm
SON0500017	**Incubation jacket, stainless steel, for temperature control of Schott laboratory bottles 3500 ml** . Inner diameter: approx. 162 mm. Jacket height: approx. 205 mm. Double jacket, without additional insulation and without bottom. (Optionally available) - controlled temperature control of reactions -...		162 mm
SON0500018	**Incubation jacket, stainless steel, for temperature control of Schott laboratory bottles 5000 ml.** Inner diameter: 191 mm +1/-0. Outer diameter: 201 mm +2/-1. Jacket height: 205 mm +-3. - Double jacket, without insulation or bottom. - Controlled temperature control of reactions - Easy exchange...	240 mm	184 mm

Tempering jacket / incubation jacket made of stainless steel, for beakers hF 50 ml

SON0500020	**Stainless steel temperature control jacket/incubation jacket, for 50 ml high-capacity beakers.** Inner diameter: approx. 39 mm. Jacket height: approx. 50 mm. Double jacket, without additional insulation and without bottom. - Controlled temperature control of reactions - Easy	50 mm	39 mm

	replacement of...		
SON0500021	**Incubation jacket, stainless steel, for 150 ml Schott beakers. A** stainless steel double jacket for reliable temperature control of your samples. The incubation jackets are manufactured to fit DWK (Duran) beakers and laboratory bottles, but can also be used without sample vessels.	65 mm	55 mm
SON0500022	**Incubation jacket, stainless steel, for 250 ml Schott beaker hF.** Suitable for beakers: Double jacket made of stainless steel for reliable temperature control of your samples. The incubation jackets are manufactured to fit DWK (Duran) beakers and laboratory bottles, but can also be...	70 mm	61 mm
SON0500023	**Incubation jacket, stainless steel, for 400 ml Schott beakers.** Inner diameter: approx. 71 mm. Jacket height: approx. xx mm. Double jacket, without additional insulation and without bottom. - Controlled temperature control of reactions - Easy exchange of reaction vessels...		71 mm
SON0500024	**Incubation jacket, stainless steel, for 600 ml Schott beakers.** Inner diameter: approx. 81 mm. Jacket height: approx. 115 mm. Double jacket, without additional insulation and without bottom. - Controlled temperature control of reactions - Easy replacement of...	115 mm	81 mm
SON0500025	**Incubation jacket, stainless steel, for 800 ml Schott beakers.** Inner diameter: approx. 91 mm. Jacket height: approx. 127 mm. Double jacket, without additional insulation and without bottom. - Controlled temperature control of reactions - Easy exchange of reaction vessels...	127 mm	91 mm
SON0500026	**Incubation jacket, stainless steel, for 1000 ml Schott beakers.** Inner diameter: approx. 97 mm. Jacket height: approx. 140 mm. Double jacket, without additional insulation and without bottom. - Controlled temperature control of reactions - Easy replacement of...	140 mm	97 mm

Measuring cup stainless steel, volume: 100 ml, DIN ISO 23145, DIN ISO 14629

53468021	**Stainless steel measuring cup, volume: 100 ml - according to standard (bulk density) DIN EN ISO.** Precise, versatile measuring cup including laser engraving with the nominal volume, serial number, and applicable standard. Volume: 100 ml +/- 0.5 ml. Inner diameter: 45 mm + 0.05 mm...	44 mm	67 mm	100 ml	50 mm
534680021	**Stainless steel measuring cup, volume: 100 ml, DIN ISO 23145, DIN ISO 14629.** Precise, versatile measuring cup including laser engraving with the nominal volume, serial number, and applicable standard. Volume: 100 ml +/- 0.5 ml. Inner height: 51 mm. Inner diameter: 50 mm...	50 mm	51 mm	100 ml	
5346802112	**Measuring cup (stainless steel) 112 ml.** Precise, versatile measuring cup including laser engraving with the nominal volume and serial number. Volume: 112 ml ± 0.5 ml. Inner diameter: approx. 44.5 mm. Inner height: approx. 71.5 mm. Normative reference: Factory standard, special size.	44.5 mm	71.5 mm	112 ml	
5346802150	**Measuring cup (stainless steel) 150 ml.** Precise, versatile measuring cup including laser engraving with the nominal volume and serial number. Volume: 150 ml ± 0.5 ml. Inner diameter: approx. 44.5 mm. Inner height: approx. 96 mm. Normative reference: Factory standard, special size. In...	44.5 mm	96 mm	150 ml	
L50566011	**Stainless steel measuring cup, volume: 500 ml - according to DIN ISO 697 (bulk density).** Precise, versatile measuring cup including laser engraving with the nominal volume, serial number, and applicable	86.1 mm		500 ml	

	standard. Volume: 500 ml +/- 0.5 ml. Inner diameter: 86.1 mm...				
L50566062	**Stainless steel measuring cup, volume: 25 ml according to standard (filling density, bulk density).** Precise, versatile measuring cup including laser engraving with the nominal volume, serial number, and applicable standard. Volume: 25 ml +/- 0.03 ml. Inner diameter: 28 mm +/- 0.03 mm.	28 mm		25 ml	
L50566018	**Stainless steel measuring cup, volume: 200 ml - according to standard (bulk density).** Precise, versatile measuring cup including laser engraving with the nominal volume, serial number, and applicable standard. Volume: 200 ml +/- 0.5 ml. Inner diameter: 64.0 mm. Inner height: 62.2...	64 mm	62.2 mm	200 ml	
L50566091	**Stainless steel measuring cup, volume: 1000 ml - according to standard (bulk density).** Precise, versatile measuring cup including laser engraving with the nominal volume, serial number, and applicable standard. Volume: 1000 ml. Accuracy: 0.5% +-2.5 ml. Inner diameter: 100 mm...	100 mm	130 mm	1 liter	104 mm
L505660112	**Measuring cup (stainless steel) for bulk density 250 ml.** Precise, versatile measuring cup including laser engraving with the nominal volume, serial number, and applicable standard. Volume: 250 ml +/- 0.5 ml. Inner diameter: approx. 63 mm. Total height: approx. 83 mm.	63 mm	83 mm	250 ml	
L505660625	**Stainless steel measuring cup, volume: 50 ml, special size.** Precise, versatile measuring cup including laser engraving with the nominal volume and serial number. Volume: 50 ml +/- 0.5 ml Class A. Inner diameter: 45 mm + 0.05 mm. Inner height: approx. 31.5 mm. Material:...	45 mm	31.5 mm	50 ml	
L50566051M	**Stainless steel measuring cup, volume: 2000 ml, according to standard (bulk density).** Precise, versatile measuring cup including laser engraving with the nominal volume, serial number, and applicable standard. Inner height: 200 mm. Inner diameter: 113 mm. Volume: 2000 ml...	118 mm	200 mm	2 liters	114 mm

Measuring cup 25 ml made of brass according to ASTM B212-17 L505660621

Precise, versatile measuring cup made of brass, including laser engraving with the nominal volume, serial number, and applicable standard.

Volume: 25 ml +-0.03
Internal diameter: 28 mm

Normative reference:
• ASTM B 212 Apparent density of free-flowing powders using the Hall flowmeter funnel
• ASTM B 417 Apparent density of non-free-flowing metal powders using the Carney funnel

Laser engraving:
• Measuring cup volume
• Normative reference
• Item number
• Serial number

Optional:
5346802Z Calibration certificate, certificate of volume conformity

Sterile paper square cuts 230 x 230 mm 589533005

Minimum order quantity: VE = 4 x 2,000 pcs. (8,000 pcs.)

Height measuring device for angle of repose determination L50566070H

For precise, digital readings of cone heights.

- Extended measuring needle
- With digital display
- Resolution 0.01 mm / 0.001 inch
- Repeatability: 0.01 mm
- Operating temperature 5-40°C
- Storage temperature -20-70°C
- Max. humidity below 80%
- Max. measuring speed 1 m/s
- Metal housing.

Optional:
Calibration certificate for height gauge L50566070H1.

Reference powder, test equipment DIN-EN-ISO-4490/ASTM B213-20 Chinese emery grain L50566063S

Standard-compliant test medium 60 g.

Normative reference:

ASTM B213-20 (6.6)
DIN EN ISO 4490 (5.5).

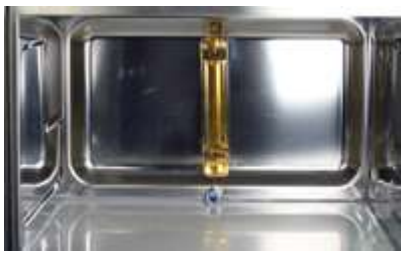
Identical and traceable to the reference emery grain "Chinese emery powder" specified in the standards.
This test medium is used in our production to calibrate and adjust the flow rate of the outlet opening.
Depending on the intended use, we recommend that the user regularly check the flow rate.

Pouring funnel made of stainless steel with sliding device, outlet Ø 60 mm (DIN 3424) L50566014

For sample materials that tend to stick together easily.

Precision balance for determining bulk density 1500g / 0.1 g

5346803	**Precision scale for determining bulk density 1500g / 0.1g . Powerful precision scales specifically** designed for effective and reliable measurement tasks. Features: - Bright backlit LCD display - Robust housing suitable for industrial use...
5346804	**Precision scale for density and flow rate 1000g / 0.01g .** Powerful precision scales specifically designed for effective and reliable measurement tasks. Features: - Internal calibration - Data transfer interfaces : USB I /O and RS-232 - Bright...



Flow cooler for microwave MW5000/MW5100

416773131	**Flow-Through Cooler for Microwave MW5000/MW5100.** When irradiating very small sample quantities and during drying processes, the low radiation absorption leads to overheating of the microwave. The flow-through cooler mounted on the rear panel absorbs the radiation...
416773132	**Flow-Through Cooler for Microwave MW6000/MW6100.** When irradiating very small sample quantities and during drying processes, the low radiation absorption leads to overheating of the microwave. The flow-through cooler mounted on the rear panel absorbs the radiation...

Grounding cable for flow hopper L505660210

To dissipate electrical charge, this cable can be easily attached to the funnel support rod via a screw connection on the bottom of the device.
(Necessary for materials to be tested with electrostatic charge according to EN ISO 6186)

Holder for large diameter syringes 106720684

The holder allows for the clamping of glass syringes with a diameter of 36 mm or more. Installation is factory-installed.

Material: stainless steel.

Stainless steel weighing bowl, volume 0.1 litres L50566064W

This weighing pan is ideal for weighing the required sample volume.
The spout makes filling the Hall and Carney funnels easy.

Heat exchanger with stirrer feedthrough for bioreactors MyFerm IV 2-5 liters

L1402441	**Heat exchanger with stirrer feedthrough for MyFerm IV 2-5 liter bioreactors** . Powerful heat exchanger for controlling the temperature of the fermenter via an external thermostat. Suitable for MyFerm models that use a mechanical stirrer . Suitable accessories : L14023102...
L1402442	**Heat exchanger without stirrer feedthrough for MyFerm III 2-5 liter** bioreactors . Powerful heat exchanger for controlling the temperature of the fermenter via an external thermostat. Suitable for MyFerm models with magnetic stirrers where a threaded connection without a stirrer feedthrough is used.
L1402443	**Heat exchanger without stirrer duct for MyFerm III 10-15 liter** bioreactors . Powerful heat exchanger for controlling the temperature of the fermenter via an external thermostat. Suitable for lid closures without stirrer duct. Required accessories : 1* threaded cap for GLS...
L1402444	**Heat exchanger without stirrer feedthrough for MyFerm III 15-20 liter** bioreactors . Powerful heat exchanger for controlling the temperature of the fermenter via an external thermostat. Suitable for MyFerm models

	with magnetic stirrers where lid closures without stirrer feedthrough are used.

Siphon for sampling for bioreactors MyFerm 2l

L14023120	**Sampling tube for MyFerm 2L bioreactors** , complete with threaded connector and 9 mm screw fitting for hose connections. Connection via one of the side necks of the fermentation vessel. Diameter: 8 mm. Length: approx. 280 mm. Connection thread : GL 14. Material : Clean Save...
L14023122	**Siphon tube for sampling MyFerm 5l bioreactor,** complete with threaded connection and 9 mm screw olive for hose connections. Design depends on fermenter size. Connection via one of the side necks of the fermentation vessel. Diameter: 8 mm, Length: approx. 310 mm, Connection thread
L14023123	**Siphon tube for sampling MyFerm 10L bioreactor,** complete with threaded connection and 9 mm screw fitting for hose connections. Design depends on fermenter size. Connection via one of the side necks of the fermentation vessel or via the lid closure . Diameter: 8 mm. Length: approx
L14023125	**Lifting tube for sampling the MyFerm 20L bioreactor,** filling or emptying the reactor , with a threaded connection and screw fitting for pump hose connection . Designed for 20- liter fermenters. Reaches the bottom of the mixing vessel . Length: approx. 600 mm, diameter: 10

Fumigation filter candle 150 ym for aeration of cultures, MY Ferm 2/5 l

L14023106	**150 µm aeration filter cartridge for aerating cultures, MY Ferm 2/5 l.** For MyFerm 2000 ml and 5000 ml. Complete with threaded connection and 9 mm screw olive for hose connections. The aeration filter cartridge is inserted into the fermenter via the lid closure or a side neck.
L14023107	**150 µm aeration filter cartridge for aerating cultures, MyFerm 10/15/20 l.** For MyFerm 10 l, 15 l, and 20 l. Complete with threaded connection and 9 mm screw olive for hose connections. The aeration filter cartridge is inserted into the...

Exhaust air filter/ventilation filter with GL 18 connection for MyFerm bioreactors L14023110

Complete with screw cap with connection olive and replaceable 0.2 µm membrane filter.

Purpose:
For adapting to GL 18 threads.
For pressure equalization in fermenters or reaction vessels during gassing.

Alternative article:
but with GL 14 screw cap L14023111

Water bath insert for 50ml volumetric flask L50877075

Device for holding up to 25 50 ml volumetric flasks.

Rack dimensions:
W. 330 x D. 270 x H. 190 mm (height including handles and feet).
Material: PVC.

Five adjacent racks allow for the placement of five volumetric flasks each and prevent the vessels from floating.
The volumetric flasks can be removed from the water bath by sliding them without having to remove the entire rack.

Suitable, for example, for the Memmert water bath WNB 22.

Device holder for 2 valves 106720158

Fixing of 2 valves in an open U format.
Material: ABS white.
Accessories: Mounting screws.

Replaceable nozzle, 5.0 mm for test funnel. Special size L505660209

Outlet diameter: 5.0 mm +/- 0.1 mm
. Material: stainless steel.

Accessory for item: L50566020.
The nozzles with diameters of 10, 15, and 25 mm are the nozzles according to the standard and are included in the basic equipment set.
This optional special size of 5 mm serves to expand the measuring range for products that can flow through a 5 mm nozzle.
No normative reference.

Apparatus for determining the filling density DIN-EN-ISO-3923-1 ASTM B964.

L50566061

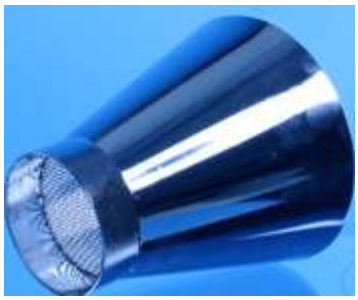
Apparatus for determining the filling density DIN-EN-ISO-3923-1 ASTM B964 CarneyFunnel
This apparatus is used to determine the filling density of powders (metal powders) under standardised conditions. standardised conditions. (Test method for powders)

ISO 3923, ASTM B964

L50566064

Apparatus for flow rate,Hall Flowmeter DIN-EN-ISO-4490/ Fill density ISO 3923
With the help of this measuring device, the flow rate and the filling density of metal powders can be determined. can be determined. Determination of the flow rate EN ISO 4490

DIN ISO 4490, 3923



Sieve funnel for bulk density apparatus method III, sieve 1 mm mesh size L50566040S

lt. 2.9.34 European Pharmacopoeia
The sieve is integrated into a funnel and can thus be conveniently placed directly on the measuring beaker.
Material: Electropolished stainless steel.

Apparatus for the determination of bulk density, 200 ml, DIN ISO 9136-1 L50566016

The bulk density tester is used for checking and testing powdery, granular and short-fibre sample masses, especially for macro-grains for bonded abrasives and for abrasives on backing. In the process, the bulk material is fed through a standardised funnel into a container with a defined volume and the mass is determined by differential weighing.

Complete apparatus made of stainless steel. Stable and non-slip stand.
The pouring height can be varied. The funnel can be operated through a sliding opening.
The clear design allows easy operation and cleaning.

Normative reference:

- Abrasive grain sizes- Determination of bulk density- Part 1 : Macro-grains ISO 9136-1:2004.

Consistingof:
- Pouring funnel Ø 20 mm with sliding opening, stainless steel
- Measuring beaker 200 ml, stainless steel
- Special stand with marking, stainless steel
- Scraper blade 130 mm
- Distance gauge 76 mm
- Instruction manual

Available accessories:
-Factory calibration certificate for measuring cup (stainless steel/glass) (art. 5346802Z)
-stainless steel bowl for measuring beaker (Art. 534680W)
-collection tray for apparatus, stainless steel (Art. L505660A)

Necessary laboratory equipment/option:
-Precision balance +/- 0.1 g for determining the bulk density.
(Art. 5346803)

Threaded closure GLS 80 without stirring feedthrough, MyFerm III, 4 x GL 18 L14023101

This threaded connector is used to attach the heat exchanger to fermenters that are to be operated with a magnetic stirrer.(MyFerm III).
There are 2 further connections available for e.g. hoses.

4* Screw cap GL 18 with EPDM seal

Threaded closure GLS 80 with stirring feed-through, MyFerm IV, 4 x GL 18 L14023102

This threaded cap can be screwed onto all GLS 80 laboratory bottles and is used to attach a temperature control coil and offers the possibility of two further connections for e.g. hoses. and offers the possibility of two further connections for e.g. hoses. and has a centric cone for a stirrer cap.
4* Screw cap GL 18
Centric cone for e.g. stirrer cap L14020332
Material: Body made of PTFE Very good chemical resistance. Temperature resistance: + 200 degrees

Accessories for MyFerm I + IV
Suitable heat exchanger (temperature control coil) for stirring feedthrough:
L1402441 (2 - 5 l) L1402445 (10 - 15 l) L1402446 (20 l)

Screw cap GL45 with 2 outlets L14023104

Screw cap made of polypropylene (PP) for bottle thread GL 45 and distributor body made of polypropylene (PP).
Four different hose diameters (1.6 mm, 3.0 mm, 3.2 mm or 6.0 mm outer hose diameter) can be used by replacing the GL 14 inserts.

Dimensions: Necks GL 2 x 14

Application: Sterile liquid transfer to and from laboratory bottles, gas transfer to and from laboratory bottles, liquid transfer between laboratory bottles, supplying instruments with reagents, supplying the bioreactor

Stopwatch, Stoptop, 1/100 seconds 211171000

Robust ABS housing.
LCD display: 7-digit, digit height: 7 mm.
Functions: Start/stop/reset, addition/split/dual measurement
Battery: Mignon cell (AA), 1.5 V
Running time: approx. 2 to 5 years

Optional, calibration certificate possible: 904138940

Powdergauge 1, automatic flow rate timing DIN-EN-ISO-4490/14629

L50566081	**Powdergauge 1, automatic flow rate timing DIN-EN-ISO-4490/14629** The elapsed times for the flow of 50.0 g powder should be measured with this device, which can record the flow of the powder and at the same time automatically record the elapsed time. Automatic time recording results in...
L50566082	**Powdergauge 2, automatic flow rate timing DIN-EN-ISO-4490/14629** The elapsed times for the flow of 50.0 g powder should be measured with this device, which can record the flow of the powder and at the same time automatically record the elapsed time. Automatic time recording results in...

Pump hose, PVC, 3/16 inch inside diameter

106720410	**Pump hose, PVC, 3/16 inch inside diameter** without additives, Shore 55 Approval for foodstuffs Customs tariff number: 59090010 Country of origin:Germany	Transparent	PVC

106720411	**Pump hose, silicone, platinum plated, 3/16 inch inner diameter** Autoclavable, without plasticiser, Shore 50 USP Class VI, non-toxic	Transparent	Silicone
106720416	**Pump hose, Pharmed, 1/16 inch inner diameter** Autoclavable, Food grade, USP Class IV, non-toxic, Recommended for cell and tissue culture	Yellow	
106720417	**Pump hose, Pharmed, 3/32 inch inner diameter** Autoclavable, Food grade, USP Class IV, non-toxic, Recommended for cell and tissue culture	Yellow	

Pump hose, 1*1 mm, silicone, 1 m

106723401	**Pump hose, 1*1 mm, silicone, 1 m** Silicone tubing for peristaltic pumps - Odourless, non-toxic - Autoclavable - Hardness Shore A 50	15 m	Transparent	1 mm	3 mm
106723402	**Pump hose, 2*1 mm, silicone, 1 m** Silicone tubing for peristaltic pumps - Odourless, non-toxic - Autoclavable - Hardness Shore A 50	15 m	Transparent	2 mm	4 mm
106723403	**Pump hose, 3*1 mm, silicone, 1 m** Silicone tubing for peristaltic pumps - Odourless, non-toxic - Autoclavable - Hardness Shore A 50	15 m	Transparent	3 mm	5 mm
106723405	**Pump hose 3.2*1.6 mm, silicone, 1 m** Pharmaceutical grade silicone tubing for peristaltic pumps - Platinum coated silicone - Odourless, non-toxic or haemolytic according to USP and FDA FCR 177.2600 - Free of phthalates or peroxides - Surface with low binding	15 m	Transparent	1.6 mm	3.2 mm

	for proteins -...				
106723406	**Pump hose 14#, 1.6*1.6 mm, silicone, 1 m** Pharmaceutical grade silicone tubing for peristaltic pumps - Platinum coated silicone - Odourless, non-toxic or haemolytic according to USP and FDA FCR 177.2600 - Free of phthalates or peroxides - Surface with low binding for...	15 m	Transparent	1.6 mm	4.8 mm
106723408	**Pump hose 16#, 3.1*1.6 mm, silicone, 1 m** Pharmaceutical grade silicone tubing for peristaltic pumps - Platinum coated silicone - Odourless, non-toxic or haemolytic according to USP and FDA FCR 177.2600 - Free of phthalates or peroxides - Surface with low binding for...	15 m	Transparent	3.1 mm	6.3 mm
106723409	**Pump hose 25#, 4.8*1.6 mm, silicone, 1 m** Pharmaceutical grade silicone tubing for peristaltic pumps - Platinum coated silicone - Odourless, non-toxic or haemolytic according to USP and FDA FCR 177.2600 - Free of phthalates or peroxides - Surface with low binding for...	15 m	Transparent	4.8 mm	8 mm
106723410	**Pump hose 17#, 6.4*1.6 mm, silicone, 1 m** Pharmaceutical grade silicone tubing for peristaltic pumps - Platinum coated silicone - Odourless, non-toxic or haemolytic according to USP and FDA FCR 177.2600 - Free of phthalates or peroxides - Surface with low binding for...	15 m	Transparent	6.4 mm	9.6 mm
106723411	**Pump hose 18#, 7.9*1.6 mm, silicone, 1 m** Pharmaceutical grade silicone tubing for peristaltic pumps - Platinum coated silicone - Odourless, non-toxic or haemolytic according to USP and FDA FCR 177.2600 - Free of phthalates or peroxides - Surface with low binding for...	7.5 m		7.9 mm	11.1 mm
106723412	**Pump hose 15#, 4.8*2.4 mm, silicone, 1 m** Pharmaceutical grade silicone tubing for peristaltic pumps - Platinum coated silicone - Odourless, non-toxic or haemolytic according to USP and FDA FCR 177.2600 - Free of phthalates or peroxides - Surface with low binding for...	15 m	Transparent	4.8 mm	9.6 mm

106723413	**Pump hose 24#, 6.4*2.4 mm, silicone, 1 m** Pharmaceutical grade silicone tubing for peristaltic pumps - Platinum coated silicone - Odourless, non-toxic or haemolytic according to USP and FDA FCR 177.2600 - Free of phthalates or peroxides - Surface with low binding for proteins...	15 m	Transparent	6.4 mm	11.2 mm
106723414	**Pump hose, 7.9*2.4 mm, silicone, 1 m** Pharmaceutical grade silicone tubing for peristaltic pumps - Platinum coated silicone - Odourless, non-toxic or haemolytic according to USP and FDA FCR 177.2600 - Free of phthalates or peroxides - Surface with low binding for proteins...	15 m	Transparent	7.9 mm	12.7 mm
106723415	**Pump hose, 9.6*2.4 mm, silicone, 1 m** Pharmaceutical grade silicone tubing for peristaltic pumps - Platinum coated silicone - Odourless, non-toxic or haemolytic according to USP and FDA FCR 177.2600 - Free of phthalates or peroxides - Surface with low binding for proteins...	15 m	Transparent	9.6 mm	14.4 mm
106723416	**Pump hose, 9.5*3.3 mm, silicone, 1 m** Pharmaceutical grade silicone tubing for peristaltic pumps - Platinum coated silicone - Odourless, non-toxic or haemolytic according to USP and FDA FCR 177.2600 - Free of phthalates or peroxides - Surface with low binding for proteins...	15 m	Transparent	9.5 mm	16.1 mm
106723417	**Pump hose, 12.7*3.3 mm, silicone, 1 m** Pharmaceutical grade silicone tubing for peristaltic pumps - Platinum coated silicone - Odourless, non-toxic or haemolytic according to USP and FDA FCR 177.2600 - Free of phthalates or peroxides - Surface with low binding for proteins...	15 m		12.7 mm	19.3 mm
106723445	**Pump hose 17#, 6.4*1.6 mm, Tygon-60-A, 1 m** Low-cost hose for industrial applications - Very long durability in peristaltic pumps - Autoclavable - High chemical resistance to acids and alkalis - Hardness Shore A 61 - Colour black	15 m	Black	6.4 mm	9.6 mm
106723446	**Pump hose 18#, 7.9*1.6 mm, Tygon-60-A, 1 m** Hose for industrial applications - Very long durability in peristaltic pumps - Autoclavable - High chemical resistance to acids and alkalis - Hardness Shore A 61 -	15 m	Black	7.9 mm	9.6 mm

	Colour black				
106723455	**Pump hose 17#, 6.4*1.6 mm, Tygon-60-G, 1 m** Inexpensive hose for biological applications with high durability - Very long durability in peristaltic pumps - Autoclavable - High chemical resistance to acids and alkalis - Approvals for food - Complies with FDA 21 CFR 177.2600 -...	15 m	Yellow	6.4 mm	9.6 mm

Pump hose, 1*1 mm with 3 stoppers, silicone, 1 m

106723421	**Pump hose, 1*1 mm with 3 stoppers, silicone, 1 m** Silicone tube for peristaltic pumps with head DG6-1 to DG6-12. The hose is equipped with 3 stoppers, so 2 positions can be used for the pumps. The total length of the hose is 1 m - Odourless, non-toxic - Autoclavable -...	1 mm	3 mm
106723422	**Pump hose, 2*1 mm with 3 stoppers, silicone, 1 m** Silicone tube for peristaltic pumps with head DG6-1 to DG6-12. The hose is equipped with 3 stoppers, so 2 positions can be used for the pumps. The total length of the hose is 1 m - Odourless, non-toxic - Autoclavable -...	2 mm	4 mm
106723423	**Pump hose, 3*1 mm with 3 stoppers, silicone, 1 m** Silicone tube for peristaltic pumps with head DG6-1 to DG6-12. The hose is equipped with 3 stoppers, so 2 positions can be used for the pumps. The total length of the hose is 1 m - Odourless, non-toxic - Autoclavable -...	3 mm	5 mm

Hose set for continuous pump system 106720108

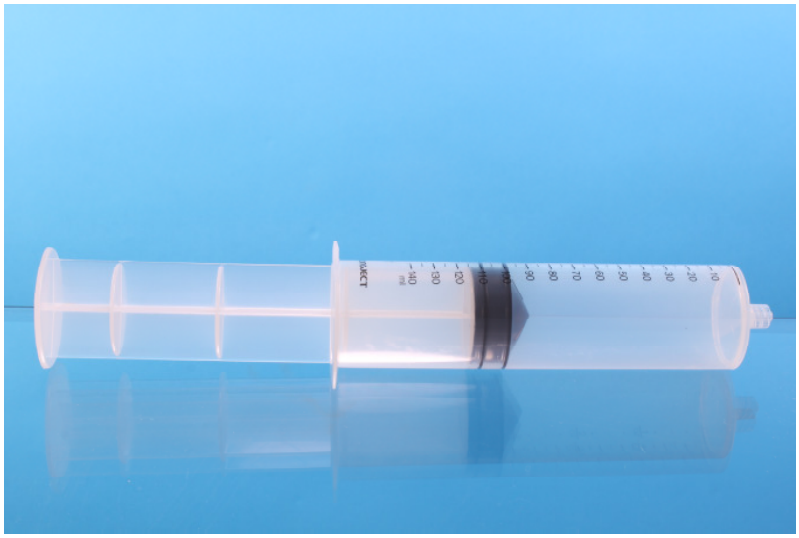
Spare parts set

2 * Hose lines with valves

Spritze 140 ml, PP, Luer Lock, nicht steril

Diese autoklavierbare 140 Milliliter fassende Spritze (Artikelnummer: 106720116), kann für den Einsatz auf den nachfolgenden Spritzenpumpen verwendet werden:

Artikelbeschreibung	Artikelnummer
Spritzenpumpe LA-30	1067200301
LA-100	106720100
LA-102 Microfluid	106720130
LA-110 High Pressure	106720110
Spritzenpumpe LA-120	106720120



Zubehör

- Schlauchleitung PVC , Artikelnummer : 106720109
  - Innendurchmesser : 1,5 mm
  - Außendurchmesser 2,7 mm

Höhenverstellbare Tische nun auch für Ihr Labor

Arbeitstische, die einen Wechsel zwischen Sitzen und Stehen zulassen, bieten einen echten Qualitätssprung hinsichtlich einer modernen Arbeitsweise. Der Wechsel zwischen Sitzen und Stehen ermöglicht ihnen eine gesundes arbeiten. Der Tisch lässt sich mit einer Hand individuell auf die Anforderungen der Geräte in die richtige Arbeitshöhe, oder je nach Größe der Mitarbeiter einstellen. Beispielsweise ist dies besonders wichtig, beim Mikroskopieren oder Pipetieren, um ein ermüdungsfreies und rückenschmerzfreies Arbeiten zu ermöglichen. (Ergonomie + Dynamik = Ergodynamik)

Abb. Art. L75846160

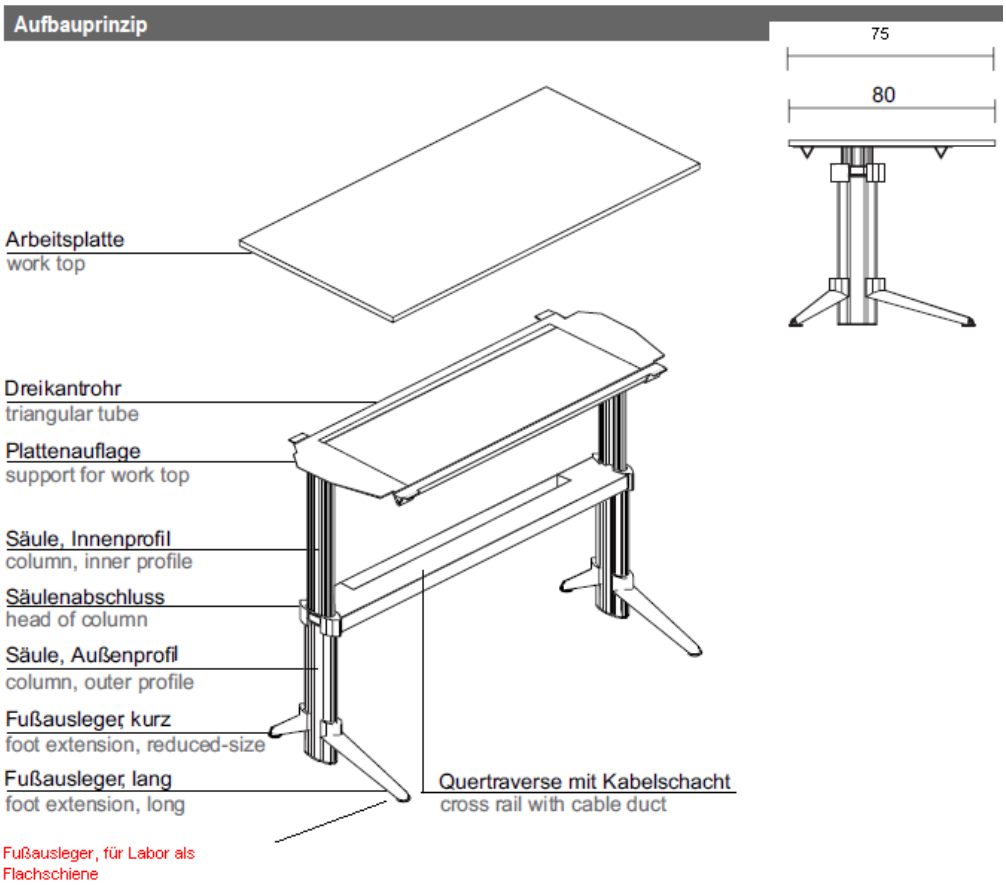
Hochwertiger Tischgestell mit silber metallic Flachfüßen , dem Köttermann Programm angepasst. Die Tische benötigen keinen Stromanschluss, da die Höhenverstellung über Gasfedern funktioniert. Die Schubkraft lässt sich entsprechend den Bedürfnissen des Kunden über eine Kurbel anpassen. Die Tischhöhe lasst sich ergonomisch und fließend ohne großen Kraftaufwand mit Handhebel unter der Tischplatte verstellen.

Labortisch höhenverstellbar, Art: L75846160
Breite 1,60 m, Höhenverstellung 70-120cm,
Tisch rechteckig, höhenverstellbar mit Handverstellung mit Gewichtsausgleich,
Standard-Gewichtsbelastung 0 - 40 kg, Ausgangshöhe 70 cm, einstellbar bis 120 cm,
Melamintischplatte, Tiefe: 750mm, blaugrau (555060)

Optionen:
Wahlweise verschiedene motorische Verstellungen lieferbar.
Tischplatte, Material ähnlich Trespa (Farbe 041 weiß aluminium,
alternativ auch kristallweiß möglich, Tischtiefe 800 mm)
Tische auch erhältlich in anderen Breiten
(bspw. 1,40 m, als Ecklösungen oder für schwerere Lasten)

Abbildung:
Tischplatte, Trespa (Farbe 041 weiß aluminium, Tischtiefe 800 mm)

Bitte fragen Sie an. Breite , Größe, Tischplattenmaterial lässt sich an Ihre Anforderungen anpassen.



Filtrationseinheit und Entgasungsgerät

(Art. Nr. 10672100)

Abb.Art.0672100 m. optionalen Systemstandfuß

Glasfiltrationsgerät zur Filtration und Entgasung von Lösungsmitteln für die Chromatographie.
Direkte Filtration in HPLC übliche Gewindeflaschen GL - 45.
Einsatz von Membranfiltern 47 und 50 mm.
Hahn zum Verschluss der Filtrationseinheit und Nachentgasung unter Vakuum.
Flasche aus Duranglas, beschichtet, vakuum- und druckfest (bis 1 Bar)

Bestehend aus:

Art. 10672100A	-Aufsatz 250 ml
Art. 10672100F	-Filterauflage
Art. 10672100K	-Klemme
Art. 10672100Z	-Zwischenstück, mit Hahn
Art. 10672100G	-Gewindeflasche, 1000 ml beschichtet, vakuum- und druckfest
Art. 10672100KL	-Kleinteile, Set. (Schraubkappen, Dichtung, Schlaucholive)

Folgendes Zubehör ist nicht im Standardlieferumfang enthalten
Empfohlen / Optional :

Art. 10672100S	- Systemstandfuß, für einen sicheren Stand der Flasche.

Notwendige Laborausstattung: (auf Anfrage lieferbar)
Vakuumpumpe, Vakuumschlauch, Filter.

Apparatur zur Bestimmung der Rieselfähigkeit
DIN EN ISO 6186
Apparatus for Plastics- Determination of pourability
European-Pharmacopoeia-2.9.16-Flowability

Die Apparatur wird zur Kontrolle und zur Prüfung der Rieselfähigkeit von Feststoffen in Pulver- oder Granulatform eingesetzt (bspw. Kunststoffgranulat). Dabei wird das Material durch einen genormten Trichter gegeben und die Ablaufzeit mittels Stoppuhr bestimmt. Man kann Informationen bezüglich der Verarbeitbarkeit und der gleichmäßigen Prozesskontrolle in der Produktion ableiten. Für eine störungsfreie automatische Verarbeitung ist eine gute Rieselfähigkeit wichtig. Die Rieselfähigkeit von Materialen wird durch die Oberflächenbeschaffenheit der Körner beeinflusst und ist insbesondere auch
von der Korngröße, Kornverteilung und Feuchte abhängig.

<u>Normative Verweisung:</u>

- Bestimmung der Rieselfähigkeit DIN EN ISO 6186
- European-Pharmacopoeia-2.9.16-Flowability

Abb. Apparatur Art. L50566020

Apparatur z. Bestimmung der Rieselfähigkeit: (Art:L50566020)

Vollständige Apparatur aus Edelstahl. Stabiles und rutschfestes Stativ.
Die Schütthöhe kann variiert werden. Der Trichter ist durch eine Schiebeöffnung zu bedienen.
Der übersichtliche Aufbau ermöglicht eine einfache Bedienung und Reinigung.

Bestehend aus:

- Prüftrichter für austauschbare Düsen Ø110mm , Edelstahl
- Austauschdüsen für Prüftrichter Ø 10 mm, Edelstahl
- Austauschdüsen für Prüftrichter Ø 15 mm, Edelstahl
- Austauschdüsen für Prüftrichter Ø 25 mm, Edelstahl
- Stativ, Edelstahl
- Schale aus „Clean Save“ Laborglas
- Abstreifklinge
- Bedienungsanleitung
- Musterprotokoll

Erhältliches Zubehör:

- Austauschdüse für Prüftrichter Ø 5 mm (Sondergröße) (Art. L505660209)
- Austauschdüse für Prüftrichter nach ASTM D1895-96 (Art. L505660211)
- Erdungskabel für Rieselfähigkeitstrichter (Art. L505660210)
- Auffangwanne für Apparatur, Edelstahl (Art. L505660A)

Austauschdüse für Prüftrichter nach ASTM D1895-96:

Düse mit einem Auslauf von 9,5 mm für Messungen nach der o.g. ASTM Norm.

Erdungskabel:

Zur Erdung des Rieselfähigkeitstrichters nach DIN.

Auffangwanne für Apparatur aus Edelstahl:

Die Apparatur wird in die Auffangwanne gestellt. Überlaufendes Probenmaterial kann durch die Wanne aufgefangen werden, sodass der Labortisch sauber bleibt.

Apparatur zur Ermittlung der Durchflussrate, Hall-Flowmeter EN ISO 4490, Standard Test Methods for Flow Rate of Powders ASTM B213-13

Der Anwendungsbereich dieser Apparatur erstreckt sich von der Bestimmung der Durchflussrate metallischer Pulver - inklusive Hartmetallpulver, die frei durch die Ausflussöffnung eines genormten Trichters fließen.
Gemessen wird dabei die Zeit, in der 50 g eines metallischen Pulvers durch die Ausflussöffnung des kalibrierten Trichters fließen.
Das Gerät wird vielfach im Bereich "Additive Manufacturing" (3 D Druck) für die Kontrolle von Rohstoffen eingesetzt.

Normative Verweisung:

- Ermittlung der Durchflussrate: DIN-EN-ISO-4490-Hall-Flowmeter
- ASTM B213-13-Flow Rate of Metal Powders

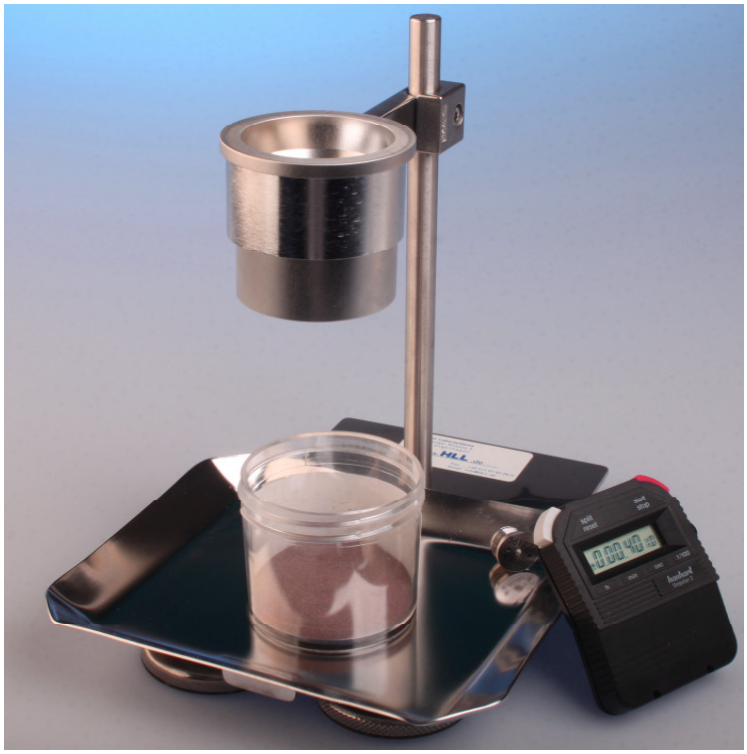


Abb: Komplette Apparatur Art. L50566063

Apparatur zur Ermittlung der Durchflussrate: (Art: L50566063)

Vollständige Apparatur aus Edelstahl, stabiles und rutschfestes Stativ.
Der übersichtliche Aufbau ermöglicht eine einfache Bedienung und Reinigung.

Bestehend aus:

- Prüftrichter, Edelstahl
- Trichterdüse mit kalibriertem Auslauf, Edelstahl
- Stativ mit Haltearm, Edelstahl
- Bedienungsanleitung
- Musterprüfprotokoll

Zubehör:

• Edelstahlschale	(Art: 534680W)
• Werkskalibrierschein für kalibrierte Trichterdüse	(Art: 50566063Z)
• Stoptop, Stoppuhr 1/100 Sekunden	(Art: 211171000)
• Kalibrierzertifikat für Stoppuhr	(Art: 904138940)
• Chinesisches Schmirgelkorn	(Art: 50566063S)
• Auffangwanne für Apparatur, Edelstahl	(Art: L505660A)

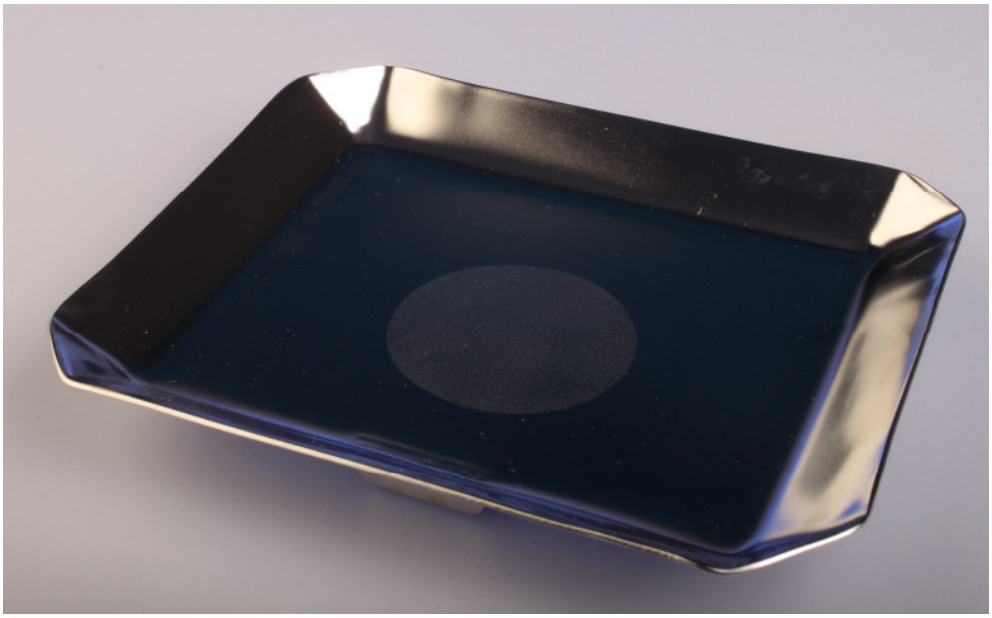


Abb. Edelstahlschale für Auffangbehälter

Edelstahlschale:

Die Schale ist angepasst auf das Stativ der Schüttdichteapparatur.
Das Probenmaterial wird aufgefangen und kann gut ausgeschüttet werden. Stativ und Labortisch bleiben sauber.

Werkskalibrierschein für Trichterdüse 2,5 mm:

Bescheinigung über DIN Konformität mit fünf Vergleichsmessungen.

Stoptop, Stoppuhr 1/100 Sekunden:

Stoppuhr zum DIN-gerechten messen der Durchflusszeit.

Kalibrierzertifikat für Stoppuhr:

Werkskalibrierzertifikat vom Hersteller des Zeitmessers.

Chinesisches Schmirgelkorn (nicht im Lieferumfang der Apparatur enthalten):

Referenzpulver zum kalibrieren der Trichterdüse.

Auffangwanne für Apparatur aus Edelstahl:

Die Apparatur wird in die Auffangwanne gestellt. Überlaufendes Probenmaterial kann durch die Wanne aufgefangen werden, sodass der Labortisch sauber bleibt.

Notwendige Laborgeräte/Option:

- Präzisionswaage +/- 0,01 g (Art: 5346804)
- Universaltrockenschrank ,32 l (Art: 102603030)

Apparatur zur Bestimmung des Schüttwinkels DIN ISO 4324

Surface active agents; powders and granules; measurement of the angle of repose

Die Apparatur wird zur Kontrolle und zur Prüfung des Schüttwinkels von Pulvern- oder Granulaten eingesetzt. Zur Bestimmung wird das Prüfgut durch einen genormten Trichter gegeben, welcher mit einem Rührflügel versehen ist. Die Höhe des Kegels, der sich unter dem Trichter ergibt, kann als Indikator für die Lagerungs- und Fließeigenschaften von Pulvern verwendet werden.

Die Rieselfähigkeit von Materialen wird durch die Oberflächenbeschaffenheit der Körner, insbesondere auch von Korngröße, Kornverteilung und Feuchte beeinflusst. Für die Lagerung und eine störungsfreie automatische Verarbeitung sind Informationen über den Schüttwinkel und die Rieselfähigkeit notwendig. Die internationale Norm beschreibt ein übliches Verfahren zur Bestimmung des Schüttwinkels von Tensiden in Pulver- oder Granulatform sowie von Waschpulvern. Dieses Verfahren findet ebenso Anwendung auf andere Pulver und Granulate mit vergleichbaren Eigenschaften.

Normative Verweisung:

- DIN ISO 4324-1977 (1983-12) Tenside; Pulver und Granulate; Bestimmung des Schüttwinkels

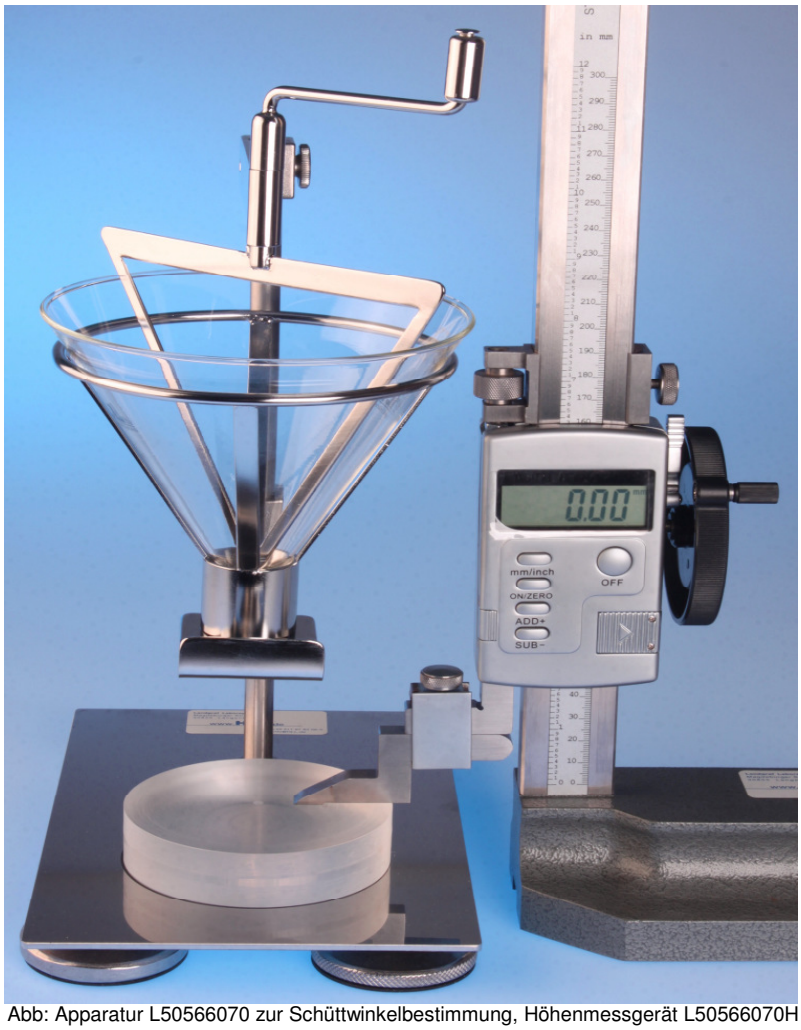


Abb: Apparatur L50566070 zur Schüttwinkelbestimmung, Höhenmessgerät L50566070H

Apparatur zur Bestimmung des Schüttwinkels: (Art: L50566070)

Vollständige Apparatur aus Edelstahl. Stabiles und rutschfestes Stativ zur Bestimmung der Rieselfähigkeit von Pulvern und Granulaten durch Ermittlung des Schüttwinkels (Nach Dr. Pfrengle)
Der übersichtliche Aufbau ermöglicht eine einfache Bedienung und Reinigung.

Bestehend aus:

- Glastrichter Auslauf 10 mm
- Edelstahlhalterung mit Schiebeöffnung.
- Edelstahlrührer mit Kurbel.
- Spezialstativ mit Markierung, Edelstahl
- Basisscheibe aus durchsichtigem Kunststoff, Ø 100 mm, Dicke 25 mm
- Glasschale 180 mm
- Abstandslehre 100 mm
- Bedienungsanleitung
- Musterprüfprotokoll

Zubehör:

- Höhenmessgerät zur Schüttwinkelbestimmung (Art. L50566070H)
- Auffangwanne für Apparatur, Edelstahl (Art. L505660A)
- Messzylinder, ISO 4788, 250 ml (Art. 149374085)

Höhenmessgerät:

Zum Ablesen der Probenhöhe nach Trichterdurchlauf.

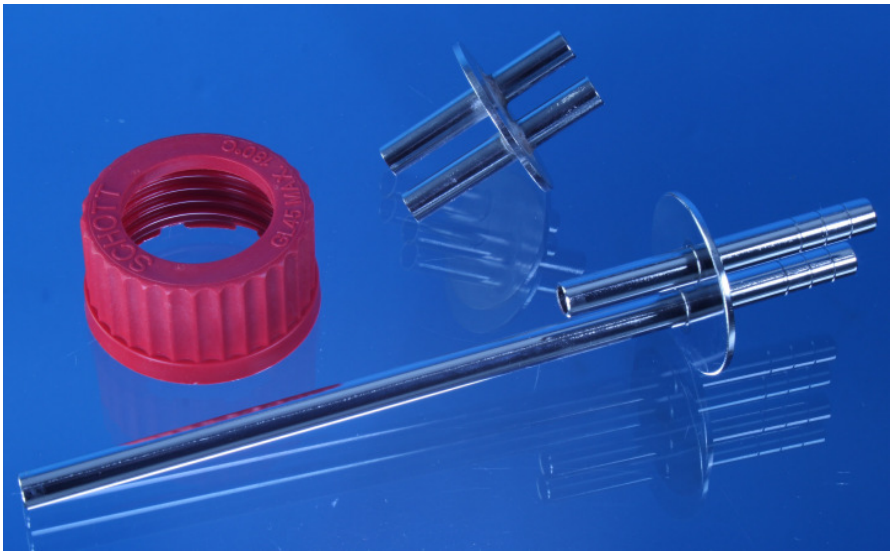
Auffangwanne für Apparatur aus Edelstahl:

Die Apparatur wird in die Auffangwanne gestellt. Überlaufendes Probenmaterial kann durch die Wanne aufgefangen werden, sodass der Labortisch sauber bleibt.

Messzylinder 250 ml:

Zur Abmessung der Probe nach DIN.

Flaschenaufsatz für ISO – Gewindeflaschen
Passend für alle Laborflaschen mit ISO Gewinde GL 45



Komfortables System für den Transfer flüssiger Medien. 2 Ports. Alle Einzelteile sind Autoklavierbar.

Material: Edelstahl 1.4301, oberflächenveredelt, elektropoliert.

Keine Undichtigkeiten in den Durchführungen möglich, durch fest verschweißte Rohre in der Deckelplatte.

Abb: Art. L50221001, 386751323, 132922710

Bestellinformation:
Art: L50221001, Flaschenaufsatz für ISO – Gewindeflaschen
2 Stück Zu-/ Ablaufrohre,1 Rohrstutzen Innenlänge 150 mm
1 Rohrstutzen Innenlänge 30 mm, Rohrdurchmesser Außen 8 mm
Schlaucholive Länge 40 mm.
Passend für alle Laborflaschen mit ISO Gewinde GL 45 ab 500 ml.

Art. 386751323, Flaschenaufsatz für ISO – Gewindeflaschen
2 Stück Zu-/ Ablaufrohre, 2 Rohrstutzen Innenlänge 30 mm,
Schlaucholive Länge 40 mm, Rohrdurchmesser Außen: 8 mm
Passend für alle Laborflaschen mit ISO Gewinde GL 45

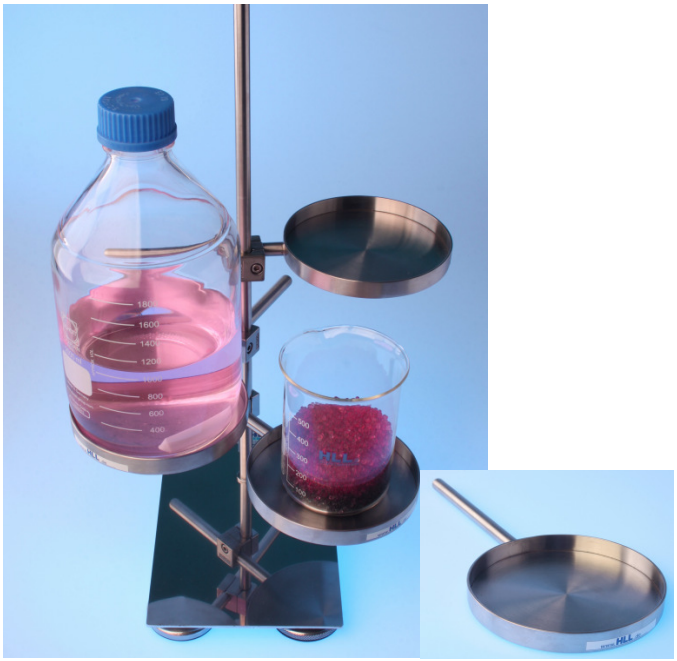
Art: L50221001X?, Flaschenaufsatz für ISO – Gewindeflaschen
2 Stück Zu-/ Ablaufrohre, 2 Rohrstutzen Innenlänge mm x? (Maße nach Kundenwunsch)
Rohrdurchmesser Außen 8 mm, Schlaucholive Länge 40 mm.
(Bei diesem Artikel sind weitere Modifikationen möglich, wie Beispielweise Anzahl und Durchmesser der Rohre, Bitte fragen Sie an.)

Art: L51924023, Flaschenaufsatz für ISO – Gewindeflaschen 20 Liter mit drei Rohrdurchführungen Ä.D. 10 mm, Innenlänge ca. 400 mm.
Anschlusslänge oberhalb der Durchführung: ca. 30, 50, und 70 mm
1 Lüftungsstutzen. D. 10 mm, Länge ca. 40 mm

Notwendiges Zubehör:
Kappe: GL 45 Art. 132922710, Dichtring: L50221002, Laborflasche: 1121801**

Höhenverstellbare Ebene mit Wulstrand

Mit den höhenverstellbaren Ebenen bringen Sie Ihre Laborutensilien in die gewünschte Höhe, wenn Sie mehrstöckige Versuch aufzubauen haben.
Um die Sicherheit vor dem Runterfallen bei Verrutschen zu gewährleisten, besitzen die Platten einen erhöhten Rand. So können Dewargefäße, Flaschen,Becher und Geräte sicher in der Höhe aufgestellt werden. Sie erhalten eine strukturierte Ordnung und eine verbesserte Übersicht in Ihren Laboraufbauten.



Erhältlich in folgenden Ausführungen:

Artikelnummer	Innendurchmesser	Stabdurchmesser
L503030771	100 mm	12 mm
L50303077	140 mm	12 mm
L503030772	200 mm	12 mm
L503030773	250 mm	12 mm

Material: Edelstahl V2A: = 1.4301

Notwendiges Zubehör:

Artikelbeschreibung	Artikelnummer
Doppelmuffe,Laboral	310521001
Stativplatte, M10 Gewinde, 210 x 130 mm	310505000
Stativplatte, M10 Gewinde, 250 x 160 mm	310505001
Stativplatte, M10 Gewinde, 315 x 200 mm	310505003
Stativstange, M10 Gewinde, 600 x 12 mm	310505111
Stativstange, M10 Gewinde, 750 x 12 mm	310505112
Stativstange, M10 Gewinde, 1000 x 12 mm	310505113

Weitere Größen sind lieferbar. Bitte fragen sie an.

Apparatus for determination of bulk density DIN ISO 697 Standard Test Methods for Apparent Density, Bulk Factor and Pourability of Plastic Materials ASTM D1895

The apparatus is used for controlling and examination of free flowing powders and granules as well as for powders and granules that tend to stick together-for example surfactants and detergents.
Therefor the bulk material is passed through a specified funnel into a measurement beaker and the mass is determined by difference weighing.

Normative Reference:

- Apparatus for Determination of bulk density DIN ISO 697
- Standard Test Methods for Apparent Density, Bulk Factor and Pourability of Plastic Materials ASTM D1895

Pic.Apparatus art.. L50566010

Apparatus for determination of bulk density: (Art: L50566010)
Complete apparatus made of stainless steel including stable and non-slip stand. The funnel height can be varied. The funnel can be closed by a glasp. The clear setup allows easy operation and cleaning.

Consisting of:

- bulk-funnel with outflow Ø 40 mm and clasp, stainless steel
- measuring beaker 500 ml, stainless steel
- tripod with mark, stainless steel
- wiper blade
- spacer block 50 mm
- manual
- sample test report

Accessories:

- bulk-funnel with Ø 60 mm and clasp, stainless steel (Art. L50566014)
- stainless steel tray (Art. L5056601W)
- measuring beaker 500ml, 'Clean Save' glass (Art. L50566012)
- calibration certificate für measuring beaker (steel **or** glass) (Art. L5056601Z)
- large tub, stainless steel (Art. L505660A)

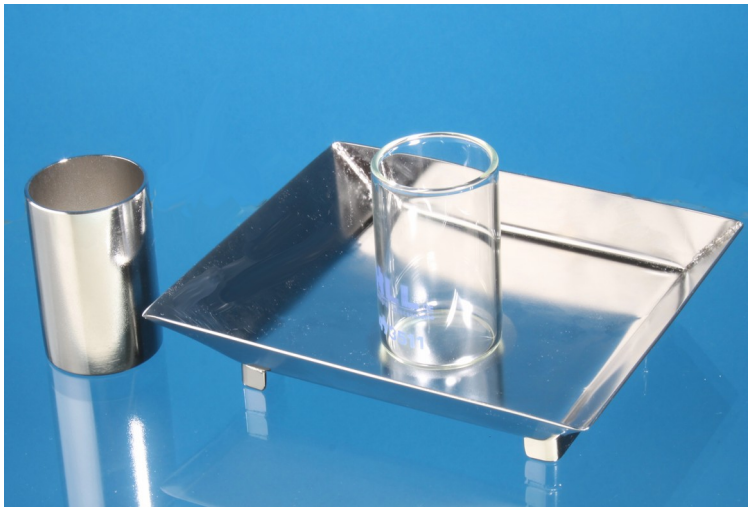


Abb. Messbecher 500ml aus Edelstahl /Glas und Edelstahlschale

funnel with Ø 60 mm:

Useable for materials tending to stick.

stainless steel tray:

For collecting the overflowing sample. The measuring beaker is placed on the mark of the tray that ensures a standardized setup.

measuring beaker 500ml, 'Clean Save' glas:

For the easy detection of inhomogeneous content.

Apparatus for Determination of bulk density according to European Pharmacopoeia 7.0 (2.9.34.) Method II, USP 616 Method II, DIN ISO 3923 and ASTM 3923 - Volumeter/Scottvolumeter

This apparatus is used to check the structural unifomity of diverse powdery sample materials inclusive metal powders by measuring the bulk density.
Therefor the sample material is filled into a funnel containing a sieve with mesh size 1,00 mm (mesh 18).
Below the funnel a baffle box with 4 glass baffles is mounted.
The baffle box ends in a funnel that collects the sample material and let it run into a 25 ml measuring beaker.
The bulk density is obtainable by difference weighing.

Normative Reference:

- USP <616> bulk density and tapped density of powders, method II
- European Pharmacopoeia 7.0 2.9.34. bulk density and tapped density of powders
- Determination of apparent density Scott volumeter method DIN ISO 3923/2
- ASTM 3299 standard test method for apparent density of metal powders and compounds.

Apparatus for determination of apparant density: (Art: L50566030)

Complete apparatus made of stainless steel including stable and non-slip stand.
The modular build up of the complete apparatus especially of the baffle box allows an easy operation and cleaning.

Consisting of:

- bulk funnel with sieve mash size 1 mm (mesh 18), stainless steel
- baffle box with glass baffles
- measuring beaker 25 ml +/- 0,05, stainless steel
- collection container, 'Clean Save' laboratory glass
- tripod with mark, stainless steel
- wiper blade
- open-jaw wrench
- manual
- sample test protocol

Accessoiries:

- sieve mesh size 2,00 mm (mesh 10) (Art. L50566030S)
- stainless steel tray (Art. 534680W)
- calibration certificate for measuring beaker (Art. 5346802Z)
- large tub, stainless steel (Art. L505660A)

stainless steel tray:

For collection of overflowing sample material. The measuring beaker is placed on the mark of the tray to ensure a standardized setup.

calibration certificate for measuring beaker:

Certification about DIN conformity with 3 comparing measurements.

large tub:

The apparatus is placed in the tub. Overflowing sample material can be collected by the tub. The laboratory desk stays clean.

Needed laboratory devices/option:

- Precision balance +/- 0,01 g for determination of bulk density (Art. 5346803)
  Maximum weight: 2000 g , accuracy: 0.1 g

Apparatus for determination of bulk density - Characterisation of Polyethylene (PE) recyclates (DIN EN 15344:2008-02)

The test apparatus is used for checking free flowing powders and granules, e.g. tensides and washing agents.
Therefore a bulk material is poured through a standardized funnel into a collecting jar with a defined volume.
By means of differential weighing the mass can be calculated.

Normative Reference:

- Apparatus for determination of apparent density DIN EN 15344:2008-02

Abb. Apparatur Artikel: L50566051

Apparatus for determination of apparent density : (Art: L50566051)

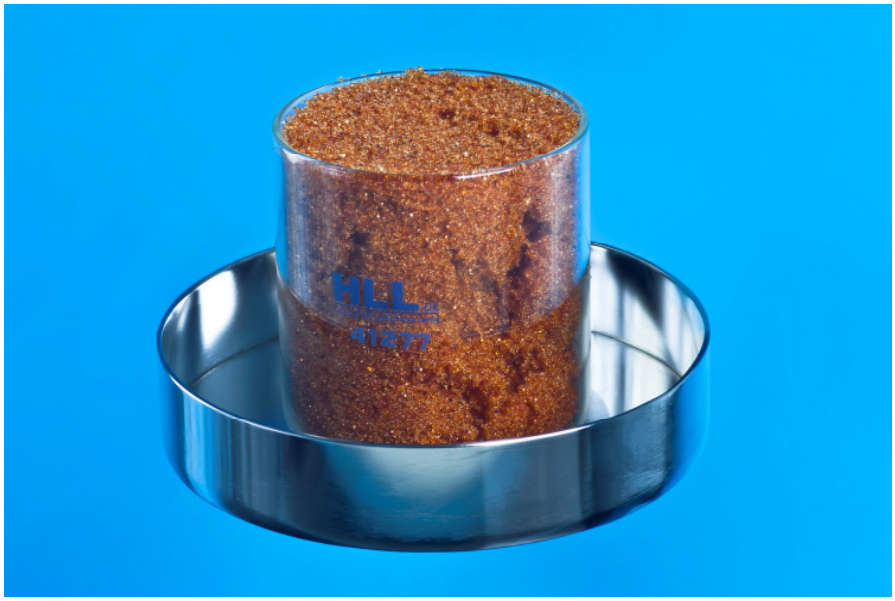
Complete apparatus made of stainless steel including stable and non-slip stand. The funnel height can be varied. The funnel can be closed by a glasp.
The clear setup allows easy operation and cleaning.

Consisting of:

- bulk-funnel with clasp, stainless steel
- measuring beaker 2000 ml, stainless steel
- tripod with mark, stainless steel
- wiper blade
- spacer block 100 mm
- manual
- sample test report

Accessories:

- stainless steel tray (Art. L5056601W)
- Calibration certificate for measuring beaker (steel or glass) (Art. 5346802Z)
- Large Tub, Stainless steel (Art. L505660A)



stainless steel tray::

For collection of overflowing sample . The measuring beaker is placed on the mark of the tray that ensures a standardized setup.

calibration certificate for measuring beakers:

Certification about DIN conformity with 3 comparing measurements.

large tub:

The apparatus is placed in the tub. Overflowing sam
ple material can be collected by the tub. The laboratory desk stays clean.

Apparatus for determination of apparent density according to USP 616, method III European Pharmacopoeia 7.0 (2.9.34)

This apparatus is used for bulk density determination of powders and various commodities.
A measuring beaker with distance ring is used to generate the needed falling heigth of the sample material. With help of difference weighing the sample material mass is obtainable.

Normative Reference:

- USP 616 Methode 3
- European Pharmacopoeia 7.0 (2.9.34)

Abb. apparatus Art. L50566040 (measuring beaker and distance ring) and sieve funnel L50566040S

Apparatus for determination of apparent density: (Art: L50566040)

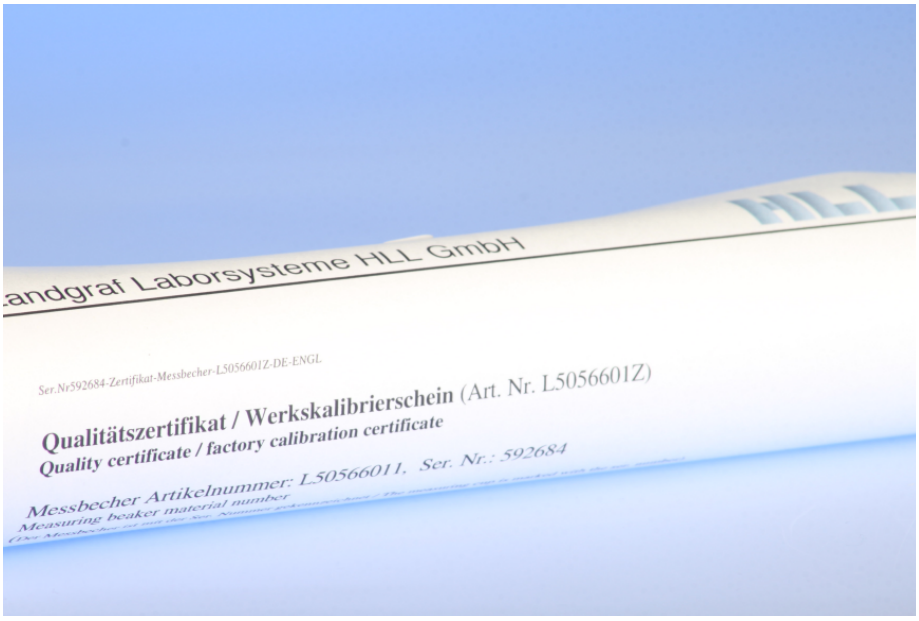
Complete apparatus (measuring beaker and distance ring), electropolished stainless steel.
A tidy built up allows an easy handling and cleaning.

Consisting of:

- Measuring beaker 100 ml, stainless steel
- Wiper blade
- manual
- test report

equipment:

- sieve funnel (Art. L50566040S)
- factory calibration certificate (Art. 5346802Z)



factory calibration certificate Art. 5346802Z

factory calibration certificate:

Confirmation of DIN conformity with 3 comparing measurements.

Needed laboratory materials/options:

- precision balance +/- 0,1 g (Art. 5346803)

Apparatus for determination of apparent density ISO 60
Standard Test Methods for Apparent Density, Bulk Factor and Pourability of Plastic Materials - ASTM 1895

The apparatus is used to check the structure uniformity of molding compositions for various raw material supplies. Therefor the bulk material is passed through a specified funnel into a container with a defined volume and the mass is determined. The sample material must be able to rinse through the outlet of the funnel with an internal diameter of 33 mm.

Normative Reference:

- Apparatus for determination of apparent density ISO 60
- Standard Test Methods for Apparent Density, Bulk Factor and Pourability of Plastic Materials ASTM D1895

Pic. Apparatus art. 5346800

Apparatus for determination of apparent density: (Art: 5346800)

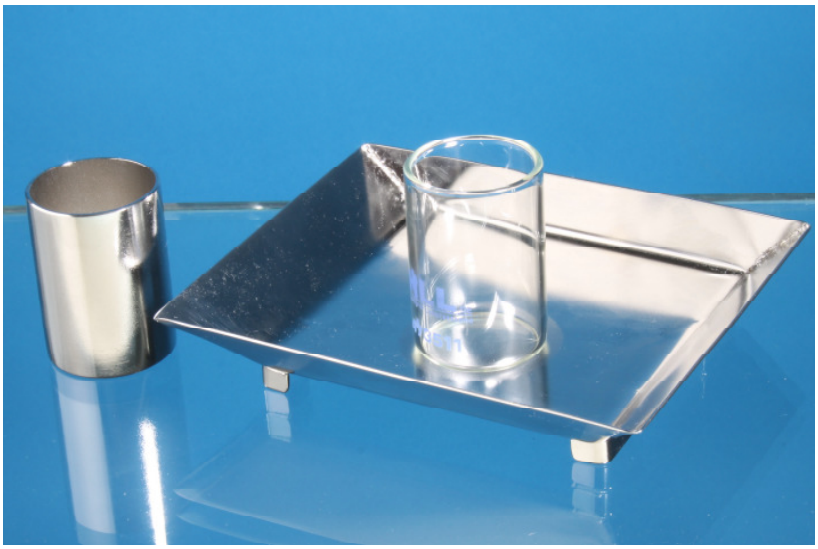
Complete apparatus made of stainless steel including stable and non-slip stand. The funnel height can be varied. The funnel can be closed by a glasp.
The clear setup allows easy operation and cleaning.

Consisting of:

- bulk-funnel with clasp, stainless steel
- measuring beaker 100 ml, stainless steel
- tripod with mark, stainless steel
- wiper blade
- spacer block 25 mm
- manual
- sample test report

Accessories:

• stainless steel tray	(Art. 534680W)
• measuring beaker 100ml, 'Clean Save' glass	(Art. 5346802)
• Calibration certificate for measuring beaker (steel **or** glass)	(Art. 5346802Z)
• Large Tub, Stainless steel	(Art. L505660A)



Pic. Measuring beaker 100 ml stainless steel/glass and stainless steel tray

stainless steel tray:

For collection of overflowing sample . The measuring beaker
is placed on the mark of the tray that ensures a standardized setup.

measuring beaker 100ml, 'Clean Save', glass:

For the easy detection of inhomogeneous content.

calibration certificate for measuring beakers:

Certification about DIN conformity with 3 comparing measurements.

Apparatus for determination of tap density
EN ISO 3953:2011-05

This apparatus is used for the tap density determination of powdery an metallic sample materials.
The sample material is filled in a measuring cylinder and compressed with the tap apparatus. Afterwards the tap density is determinable by difference weighing.

Normative Reference:

- Metall powders – determination of tap density EN ISO 3953:20111-05

Tap density apparatus L5293307 and measuring cylinder L5293307M

Apparatus for determination of tap density: (Art: L5293307)

Containing tap apparatus and measuring cylinder socket.
Measuring cylinder is optional available.

Containing of:

- Tap apparatus
- Measuring cylinder socket
- manual
- test report

accessoiries:

- measuring cylinder 250 ml (Art. L5293307M)

Needed laboratory accessoirs / option:

- precision balance +/- 0,1 g (Art. 5346803)

Schüttapparatur nach „Werksnorm“
customer - focused solution

Die Schüttapparatur, die in Anlehnung an die Schüttdichteapparatur nach ISO 697 produziert ist, kann zur Vorbereitung von Klopfdichtemessungen verwendet werden.
Um die Befüllung der Klopfdichtemesszylinder unter reproduzierbaren Bedingungen zu gewährleisten, wird der Messzylinder über den Schüttrichter, mit der für die Klopfdichtemessung erforderlichen Probenmenge, befüllt.

Normative Verweisung:

- Werksnorm in Anlehnung an:
  - Bestimmung der Schüttdichte – Verfahren durch Messen der Masse eines gegebenen Volumens DIN ISO 697
- Füllverfahren für:
  - Metallpulver - Bestimmung der Klopfdichte EN ISO 3953:20111-05

Schüttapparatur mit Messzylinder für Klopfdichtemessungen

Schüttapparatur: (Art: L5056605W)

Vollständige Apparatur aus Edelstahl, stabiles und rutschfestes Stativ.
Die Schütthöhe kann variiert werden. Der Trichter ist durch eine Schiebeöffnung zu bedienen.
Der übersichtliche Aufbau ermöglicht eine einfache Bedienung und Reinigung.

Bestehend aus:

- Schütt -Trichter Ø 55 mm mit Schiebeöffnung, Edelstahl
- Großes stabiles Spezialstativ mit Markierung, Edelstahl
- Abstandslehre 25 mm

Schüttrichter und Schiebeöffnung

Apparatus for determination of bulk density DIN EN ISO 23145-2 and flowability DIN EN ISO 14629 ceramic powders

Wth assistance of this apparatus the bulk density and flowability of ceramic powders can be determined.

DIN EN ISO 23145-2:

Determination of bulk density of cermic powders running unimpeded through a 2,5 mm noozle. The standard also applies for metalic powders not running through the 2,5 mm noozle but passing a 5 mm noozle.

DIN EN ISO 14629:

The flow rate of cermic powders is determined by measuring the time 50 g of a ceramic powder needs to pass a standardized funnel.

<u>Normative Reference:</u>

- Fine ceramics – Determination of bulk density of cermic powders Part 2 : Untapped density ISO 23145-2:2012
- Fine ceramics - Determination of flowability of ceramic powders (ISO 14629:2012)

pic. Apparatus art.. 53468002

Apparatus for determination of bulk density and flowability: (Art: 53468002)

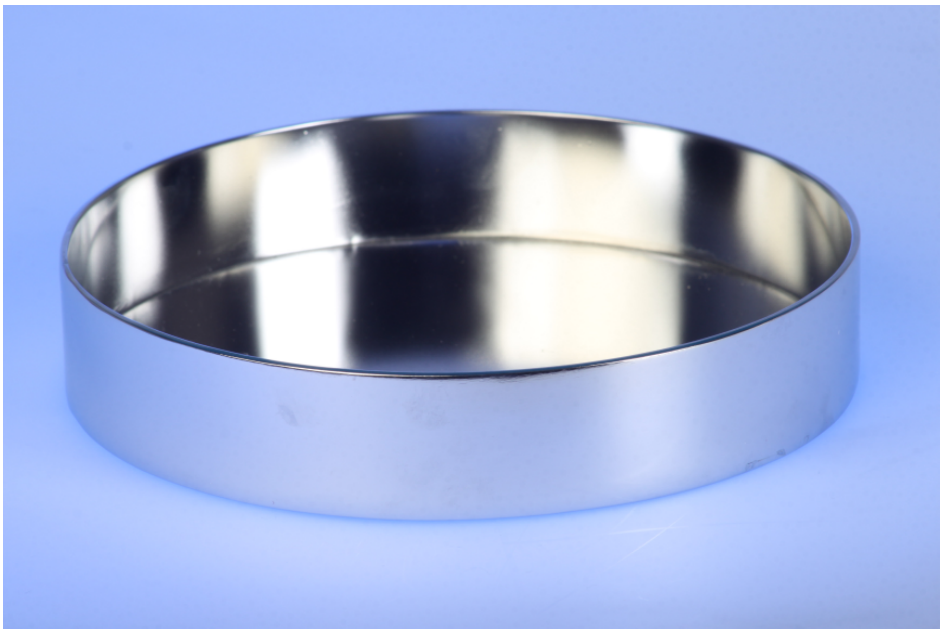
Complete apparatus made of stainless steel including stable and non-slip stand. The funnel height can be varied.
The clear setup allows easy operating and cleaning.

Consiting of:

- funnel, stainless steel
- noozle, Ø 2,5 mm, stainless steel
- noozle, Ø 5,0 mm, stainless steel
- measuring beaker 100 ml, stainless steel
- tripod, stainless steel
- wiper blade
- spacer block 50 mm
- manual
- sample test report
-

Zubehör:

- stainless steel tray for measuring beaker (Art: L5056601W)
- calibration certificate for measuring beaker (Art: 5346802Z)
- calibration certificate for noozle 2,5 mm or 5,0 mm (Art. L50566061Z)
- Collecting tub for apparatus, stainless steel (Art. L505660A)
- stopwatch 1/100 seconds (Art. 211171000)
- calibration certificate for stopwatch (Art: 904138940)
- sieve according to DIN 565, mesh size 0,71 mm (Art. 534680022)
- Powdergauge 1 , automatic time measuring (Art. L50566081)



pic. Stainless steel tray for measuring beakerr art. L5056601W

stainless steel tray for measuring beaker:

For collection of overflowing sample . The measuring beaker
is placed on the mark of the tray to ensure a standardized setup.v

Calibration certificate for measuring beaker:

Certification about DIN conformity with 3 comparing measurements.

Calibration certificate for nozzle 2,5 mm or 5,0 mm:

Certification about DIN conformity with 5 comparing measurements.

Collecting tub for apparatus:

The complete apparatus is placed in the collecting tub. Overflowing sample material can be caught by the tub so the laboratory desk stays clean.

Stopwatch 1/100 seconds:

For measuring the flow rate.

Calibration certificate for stoppwatch:

Calibration certificate from the manufacturer.

Sieve according to DIN 565:

For sieving the sample (part of testing process)

Powdergauge 1 :

For automatic measuremet of the sample outflow time.

<u>Needed laboratory devices/Option::</u>

- Precision balance +/- 0,01 g (Art: 5346804)

Produktionsbehälter für Liner Bags

- Material: Edelstahl = 1.4301
- Boden, Materialstärke 2,0 mm
- Außenmantel, Materialstärke 1,0 mm mit drei Außensicken zur Verstärkung
- Oberflächenbehandlung:
  Chem. chloridfrei gebeizt und passiviert.

- Innendurchmesser: ca. 623 mm
- Innenhöhe: ca. 1300 mm
- Volumen: ca. 395 L
- Gewicht: ca. 31 Kg

Seitlicher Schlitz für Bodenauslass ca. B. 64 mm * H.100 mm für Liner Bags mit Ablauf.

Verstärkung für den Boden aus Profilrohr 30*30 mit Aufnahmen M10 für 6 Rollen.

Mit dem Außendurchmesser von max. 650 mm passt dieses Behältnis auch durch schmalere Türen.

Produktionsbehälter für Liner Bags

Bestellübersicht

Artikelbeschreibung	Artikelnummer
Teleskopstativ	L50221005
Rührmotor	L14020262
Stativhalterung für Rührmotoren	L14020267
Teleskopstativstange	11300003810
Produktionsbehälter für Liner Bags	L50221005P

Art: L51943006

Edelstahl-Tischwagen, 2 Etagen, Material: Edelstahl V4A, 1.4571
Für Laboranwendungen, Sehr stabile Ausführung

Ladefläche: 700 x 350 mm, Höhe: 660 mm.
Stabile Platten 1,5 mm ohne Aufkantung, ohne Schiebegriffe.
Sehr robuster Edelstahlwagen für Transportaufgaben im Labor oder Produktion.
Keine Dämmplatten im Unterbereich und keine versteckten Schmutzkanten durch Verwendung von geschlossenen Vierkantrohr. Hochglänzend durch E-Politur. Auch für Hygienebereiche einsetzbar.
Rollen: 2 Stück ohne Feststeller, 2 Stück mit Feststeller.

Stainless steel table trolley, 2 floors, Material: stainless steel V4A, 1.4571
for laboratory use, heavy solid construction

Loading platform: 700 x 350 mm Height: 660 mm.
Stable plates 1.5 mm without push handles.
Very robust steel trolley for transport in the laboratory or manufacturing.
No insulation panels in the subdivision and no hidden dirty traps by using closed square.
fine ground surface. Also suitable for hygienic areas.
Roles: 2 units without brakes, 2 with brake.

Optionen:
Polyrethan- Räder:
Für den Einsatz in Räumen mit hohem Hygienestandard können optional Edelstahllenkrollen mit Polyrethan- Rädern bestellt werden.
Diese Rollen hinterlassen keinerlei Spuren auf dem Bodenbelag.
Sondermaße:
Die Abmaße können im Sonderbau auf Anfrage an Kundenwünsche angepasst werden.
Options:
Polyrethane Wheels:
Optionally for use in areas with a high standard of hygiene
stainless steel with polyrethane wheels can be ordered.
These wheels do not leave any traces on the floor.
Special Measures:
The dimensions can be can be manufactured to the customer's instructions.

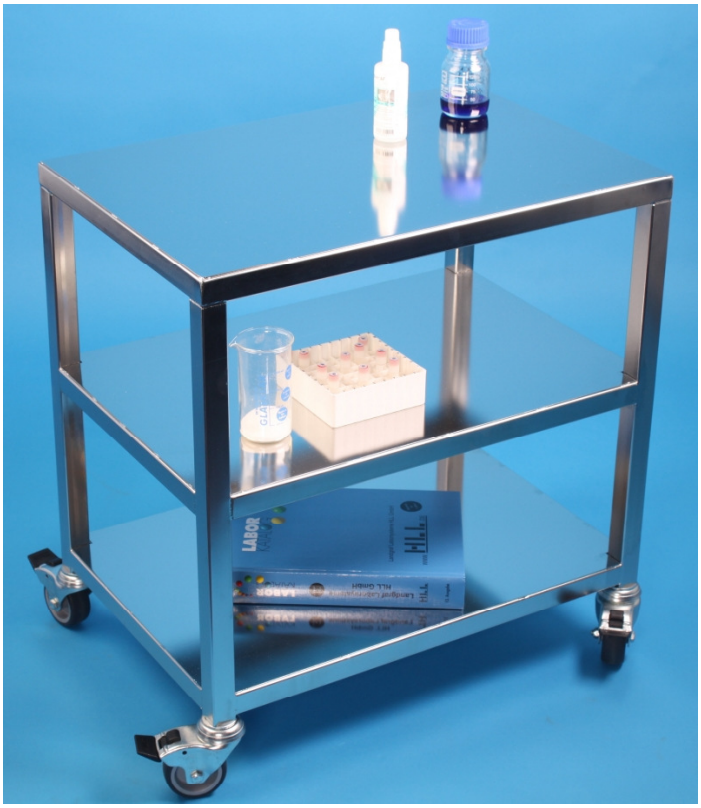
Art: L519430061

Edelstahl-Tischwagen, 3 Etagen, Material: Edelstahl V4A, 1.4571
Für Laboranwendungen, Sehr stabile Ausführung

Ladefläche: 620 x 420 mm, Höhe: 660 mm.
Stabile Platten 1,5 mm ohne Aufkantung, ohne Schiebegriffe.
Sehr robuster Edelstahlwagen für Transportaufgaben im Labor oder Produktion.
Keine Dämmplatten im Unterbereich und keine versteckten Schmutzkanten durch Verwendung von geschlossenen Vierkantrohr. Hochglänzend durch E-Politur. Auch für Hygienebereiche einsetzbar.
Rollen: 2 Stück ohne Feststeller, 2 Stück mit Feststeller.

Stainless steel table trolley, 3 floors, Material: stainless steel V4A, 1.4571
for laboratory use, heavy solid construction

Loading platform: 620 x 420 mm Height: 660 mm.
Stable plates 1.5 mm without push handles.
Very robust steel trolley for transport in the laboratory or manufacturing.
No insulation panels in the subdivision and no hidden dirty traps by using closed square.
fine ground surface. Also suitable for hygienic areas.
Roles: 2 units without brakes, 2 with brake.



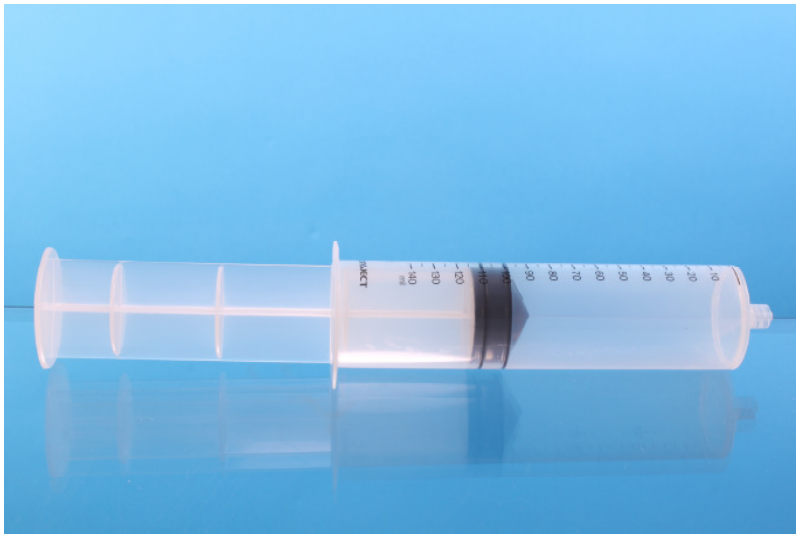
Optionen:
Polyrethan- Räder:
Für den Einsatz in Räumen mit hohem Hygienestandard können optional Edelstahllenkrollen mit Polyrethan- Rädern bestellt werden.
Diese Rollen hinterlassen keinerlei Spuren auf dem Bodenbelag.
Sondermaße:
Die Abmaße können im Sonderbau auf Anfrage an Kundenwünsche angepasst werden.

Options:
Polyrethane Wheels:
Optionally for use in areas with a high standard of hygiene
stainless steel with polyrethane wheels can be ordered.
These wheels do not leave any traces on the floor.
Special Measures:
The dimensions can be can be manufactured to the customer's instructions.

Spritze 140 ml, PP, Luer Lock, nicht steril

Diese autoklavierbare 140 Milliliter fassende Spritze (Artikelnummer: 106720116), kann für den Einsatz auf den nachfolgenden Spritzenpumpen verwendet werden:

Artikelbeschreibung	Artikelnummer
Spritzenpumpe LA-30	1067200301
LA-100	106720100
LA-102 Microfluid	106720130
LA-110 High Pressure	106720110
Spritzenpumpe LA-120	106720120

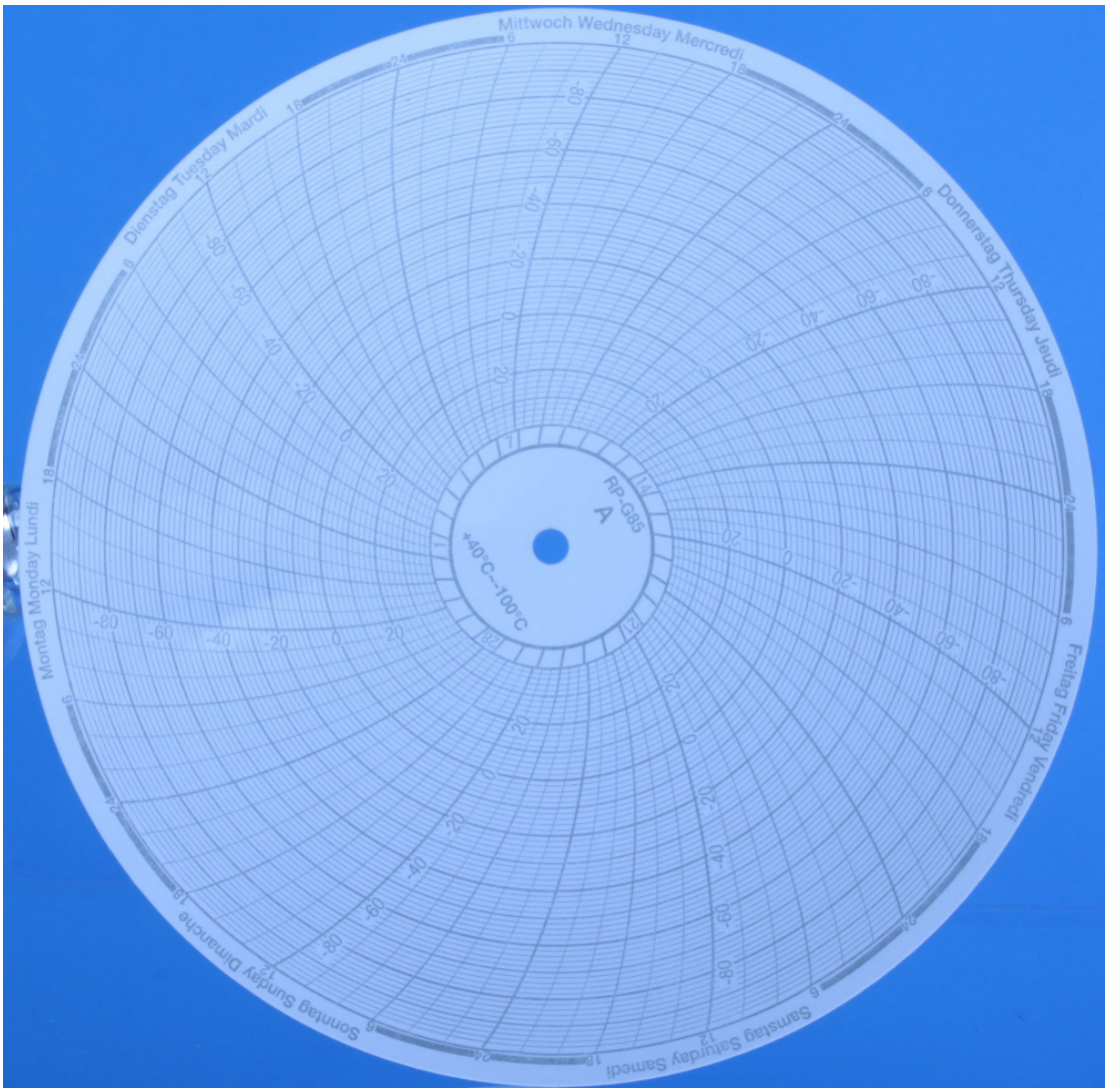


Zubehör

- Schlauchleitung PVC , Artikelnummer : 106720109
  - Innendurchmesser : 1,5 mm
  - Außendurchmesser 2,7 mm

Art: RPG85

Schreiberpapier für Sanyo-Panasonic MTR-G85 Kreisblattschreiber
oder ähnliche Geräte.
Wochenscheibe für den Temperaturbereich +40 Grad bis - 100 Grad
Gebinde für 1 Jahr (ca. 55 Scheiben)
Scheibendurchmesser 155 mm



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