



Labware TOP Offers



Due to the current market situation with which we are all familiar, characterised by an exceptionally unstable pricing situation, the prices listed in the print medium may increase during the promotional period in individual cases. You can find the relevant applicable prices at www.carlroth.com



-30 %

A 121 °C

Single-channel microlitre pipette ROTILABO®

Carl ROTH.

Robust quality pipettes with variable volume for routine work and demanding applications.

- Ergonomic finger support
- Separate tip eject button
- Central, large pipettor button for even plunger movement
- Separate volume adjustment, for left- and right-handed users
- Easy-to-read display
- Integrated calibration function for easy adjustment without tools
- Corrosion-resistant plunger and ejector
- Slim shaft
- Fully autoclavable

Volume (µl)	Graduation (µl)	Tip type (µl)	Art. No.	Pack Qty.	DKK	DKK
0.5 to 10	0.01	20	TA21.1	1 unit	2:185,15	1.529,25
2 to 20	0.02	200	TA22.1	1 unit	1:959,40	1.371,40
10 to 100	0.1	200/300	TA23.1	1 unit	1:959,40	1.371,40
20 to 200	0.2	200/300	TA24.1	1 unit	1:959,40	1.371,40
100 to 1000	1	1000	TA25.1	1 unit	1:959,40	1.371,40
500 to 5000	5	5000	TA26.1	1 unit	2:185,15	1.529,25
1000 to 10000	10	10000	TA27.1	1 unit	2:185,15	1.529,25



-30 %

Small magnetic stirrer ROTILABO® M 3

ROTH SELECTION.

- For stirring capacities up to 3 l
- Continuously adjustable speed range

Technical specifications:

Art. No.	AAN1.1
Type	M 3
Max. stirring capacity (H ₂ O)	3 l
Speed range	to 1100 rpm
Footprint	130 x 150 mm
W x D x H, total	130 x 150 x 50 mm
Mains connection	100–240 V, 50/60 Hz

Art. No.	Pack Qty.	DKK	DKK
AAN1.1	1 unit	747,00	522,75



-25 %

NEW/+

Digital hot plate HP-200D L/XL C-series

Stuart/Cole-Parmer.

With large surface for simultaneous heating of multiple samples.

Features:

- Temperature adjustment and display of the target/actual temperature via digital display
- Ceramic hot plate for good chemical resistance and high temperature

Technical specifications:

Art. No.	1Y3Y.1	1Y40.1
Type	HP-200D-L-C	HP-200D-XL-C
Heating output	1200 W	2250 W
Temperature range	+50 to +450 °C	+50 to +375 °C
Display resolution	1 °C	
Heated zone	200 x 200 mm	450 x 250 mm
Footprint	300 x 300 mm	300 x 500 mm
W x D x H, total	320 x 370 x 120 mm	560 x 360 x 130 mm
Mains connection	230 V, 50 Hz	

Pic.	Type	Art. No.	Pack Qty.	DKK	DKK
(1)	HP-200D-L-C	1Y3Y.1	1 unit	6.645,00	5.357,25
(2)	HP-200D-XL-C	1Y40.1	1 unit	8.932,50	7.201,50

-15 %

NEW/+

Gas burners for cartridges

Usbeck.

With air regulation and needle valve. For operation with cartridge type 1430.

Delivery without cartridge, please order separately.

(1) According to Bunsen model 1422

- Max. temperature 1530 °C
- Dimensions: H 85 mm, Ø head 20 mm

Art. No.	Pack Qty.	DKK	DKK
21LK.1	1 unit	346,50	294,00

(2) According to Teclu model 1421

- Max. temperature 1620 °C
- Dimensions: H 140 mm, Ø head 17 mm

Art. No.	Pack Qty.	DKK	DKK
21LL.1	1 unit	379,15	322,15



NEW/+

Gas cartridges with valve type 1430

Usbeck.

Butane/propane mixture 70/30%. Burning time approx. 3 h.

Dimensions: H 92 mm, Ø 104 mm.

Danger H220-H280

Art. No.	Pack Qty.	DKK	DKK
21LN.1	6 units	290,25	246,75



-20%

Block thermostat

Labnet International.

For precision heating of reaction vials, test tubes, type Falcon® centrifuge tubes and 96 well PCR trays.

- With LED temperature display
- Integrated timer function
- Suitable for one or two interchangeable blocks depending on model

Delivery incl. removal rod for changing the blocks and removable cover for microlitre tubes.

Without interchangeable blocks, please order separately.

Type	Max. exchange blocks	Art. No.	Pack Qty.	DKK	DKK
Single block thermostat	1	PY25.1	1 unit	3.547,50	2.838,00
Dual block thermostat	2	YC47.1	1 unit	4.257,00	3.405,40

Technical specifications:

Art. No.	PY25.1	YC47.1
Type	single block thermostat	dual block thermostat
Max. exchange blocks	1	2
Operating temperature	from +5 °C above room temperature to +150 °C	
Temperature adjustment range	0–150 °C	
Accuracy	±0.3 K	
Resolution	0.1 °C	
Timer	1 to 99 h 59 min in 1 min increments or continuous operation	
W x D x H	210 x 290 x 120 mm	
Mains connection	230 V, 50/60 Hz	

-20%

Accessories interchangeable block for single/dual block thermostats

Labnet International. Material: aluminium.

For reaction vials

Dimensions: W 90 mm x D 76 mm x H 51 mm, can be used for single/dual.

Suitable for	Art. No.	Pack Qty.	DKK	DKK
48 reaction vessels 0.2 ml	PY26.1	1 unit	1.241,65	993,00
24 reaction vessels 0.5 ml	PY27.1	1 unit	1.241,65	993,00
24 reaction vessels 1.5 ml	PY28.1	1 unit	1.241,65	993,00
20 reaction vessels 2.0 ml	PY29.1	1 unit	1.144,90	915,75

For sample tubes/vials

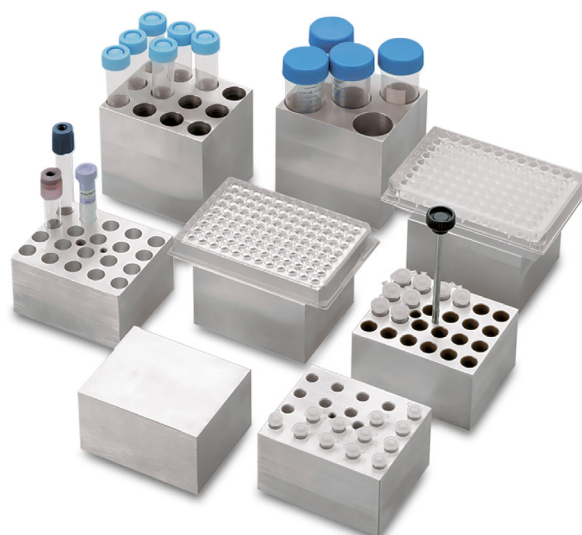
Dimensions: W 90 mm x D 76 mm x H 51 mm, can be used for single/dual.

Suitable for	Art. No.	Pack Qty.	DKK	DKK
20 tubes Ø 12 mm	PY30.1	1 unit	1.241,65	993,00
12 tubes Ø 16 mm	PY31.1	1 unit	1.241,65	993,00
6 tubes Ø 20 mm	YC48.1	1 unit	966,00	772,15
6 tubes Ø 25 mm	YC49.1	1 unit	966,00	772,15

For centrifuge tubes (Falcon®)

Dimensions: W 90 mm x D 76 mm x H 83 mm, can be used for single/dual.

Suitable for	Art. No.	Pack Qty.	DKK	DKK
12 centrifuge tubes 15 ml	PY32.1	1 unit	1.241,65	993,00
5 centrifuge tubes 50 ml	PY33.1	1 unit	1.144,90	915,75



For individual processing

Dimensions: W 90 mm x D 76 mm x H 51 mm, can be used for single/dual.

Type	Art. No.	Pack Qty.	DKK	DKK
Without hole	YC50.1	1 unit	966,00	772,15

For 96-well PCR trays and microtiter plates

Please note: only a PCR or microtiter plate block can be used in a dual-block thermostat (due to block dimensions).

Suitable for	Art. No.	Pack Qty.	DKK	DKK
96-well PCR tray (with/without frame), can be used for single	PY34.1	1 unit	2.644,50	2.115,40
96-well PCR tray (with/without frame), can be used for dual	YC51.1	1 unit	2.499,40	1.999,50
Microtiter plate, can be used for dual	YC52.1	1 unit	1.894,90	1.515,75

Analytical balances ADB/ADJ series

KERN.

Application:

Item counting and percentage weighing

Features:

- Stainless steel weighing platform
- With RS 232 data port
- Dimensions of entire balance incl. draft shield (W): W 230 x D 310 x H 330 mm
- Weighing space dimensions: W 170 x D 160 x H 205 mm

Delivery incl. mains adapter.

-20 %



ADB series with external calibration function

Type	Weighing range (g)	Readability (g)	Linearity (g)	Reproducibility (%)	Weighing pan (mm)	Art. No.	Pack Qty.	DKK	DKK
ADB 100-4 (W)	120	0.0001	±0.0004	±0.0002	Ø 90	HPP9.1	1 unit	6-150,00	4.920,00
ADB 200-4 (W)	210	0.0001	±0.0004	±0.0002	Ø 90	HPT0.1	1 unit	6-825,00	5.460,00

ADJ series with internal automatic calibration, either after a change of temperature ≥2 °C or time-controlled

Type	Weighing range (g)	Readability (g)	Linearity (g)	Reproducibility (%)	Weighing pan (mm)	Art. No.	Pack Qty.	DKK	DKK
ADJ 100-4 (W)	120	0.0001	±0.0004	±0.0002	Ø 90	KHE3.1	1 unit	7-350,00	5.880,00
ADJ 200-4 (W)	210	0.0001	±0.0004	±0.0002	Ø 90	KHE4.1	1 unit	8-025,00	6.420,00

Precision balances EWJ series

KERN.

Application:

Item counting and percentage weighing

Features:

- Time-controlled automatic internal calibration
- Capacity indication – LED strip indicates available weighing range
- Draft shield comprising four side parts (H = 90 mm) for models up to ≤600 g; (W) = including draft shield
- Spirit level
- RS 232 data port

Delivery incl. protective hood and mains adapter (230 V, 50 Hz).

-25 %



Non-approved models

Type	Weighing range (g)	Readability (g)	Linearity (g)	Reproducibility (g)	Weighing pan (mm)	Art. No.	Pack Qty.	DKK	DKK
EWJ 300-3 (W)	300	0.001	±0.005	±0.001	Ø 80	CHH7.1	1 unit	4-500,00	3.375,00
EWJ 600-2M (W)	600	0.01	±0.03	±0.01	Ø 120	CHH8.1	1 unit	9-825,00	2.868,75
EWJ 3000-2	3000	0.01	±0.05	±0.01	Ø 135	CHH9.1	1 unit	4-200,00	3.150,00
EWJ 6000-1M	6000	0.1	±0.3	±0.1	155 x 145	CHK0.1	1 unit	9-675,00	2.756,25

Moisture analysers DBS 60-3

KERN.

Features:

- Displays: % humidity, % dry matter, ATRO% or weight loss in g
- Heat source: halogen quartz glass heater
- Switch-off criteria:
 - AUTO** = drying stops if the set weight loss remains constant for 30 s
 - TIME** = drying stops on expiration of the set time
 - Manual** = stop button
- Drying modes: standard drying, phase drying, gentle drying and quick drying
- Internal memory for automatic execution of 10 drying programs and 100 drying processes carried out
- RS 232 data port
- Sample code for up to 99 samples, 2-digit, freely programmable
- Date and time display
- Sample viewing window

-15 %



Technical specifications:

Art. No.	TE06.1
Type	DBS 60-3
Weighing range	60 g
Temperature range	+50 to +200 °C
Additional data	can be selected in 1 °C increments
Readability	0.01% / 0.001 g
Reproducibility	0.15% (2 g) 0.02% (10 g)
Heating technology	halogen quartz glass heater
Time setting from	1 min
Time setting up to	12 h
Weighing pan	Ø 95 mm
W x D x H	202 x 336 x 157 mm
Weight	4.2 kg
Mains connection	220–240 V, 50/60 Hz

Weighing range (g)	Readability (g)	Art. No.	Pack Qty.	DKK	DKK
60	0.01 % / 0.001	TE06.1	1 unit	19-125,00	11.156,25



-15%

Solvent pump SEKUROKA®

Carl ROTH. Material: PTFE, stainless steel 1.4301 and 1.4305.

For filling of flammable liquids.

- Works according to the piston stroke principle
- Immersion tube is continuously adjustable to barrel depth
- Near-complete emptying of the barrels
- Removable drainage elbow for connecting a drainage hose with stopcock, please order separately

Note:

The delivery rate refers to one stroke.

The container and the pump must be earthed using the ROTH anti-static set (art. no. 0213.1) during filling of flammable liquids.

Delivery incl. barrel screw joint.

Technical specifications:

Art. No.	N502.1	N503.1
Delivery rate	140 ml	200 ml
Immersion depth	570 mm	910 mm
Ø Immersion tube	32 mm	
Conductive	yes	
Drum	up to 50 l	up to 200 l
Weight	1.2 kg	1.8 kg



Thread	Length (mm)	Art. No.	Pack Qty.	DKK	DKK
2" steel fine thread	680	N502.1	1 unit	2.136,75	1.815,75
2" steel fine thread	1,020	N503.1	1 unit	2.354,25	2.001,00



-15%

Anti-static set ROTH

ROTH SELECTION.

Protects against fire and explosion due to electrostatic charge when filling from solvent barrels. Consists of two isolated cables (each L 3 m, Ø 3 mm) with clamping tongs on both sides and a blank copper wire (L 3 m, Ø 2 mm) with a clamping tong on one side.

Art. No.	Pack Qty.	DKK	DKK
0213.1	1 unit	428,65	363,75

A 121 °C**Spatula disposable plastic**

ROTH SELECTION. Material: PP. Autoclavable: yes.

Suitable for use as sample spoon, scraper and stirring rod.

Ideal for weighing, e.g. in PCR vessels, reaction vials and centrifuge tubes. FDA-compliant.

Temperature stability: 0 to +121 °C.

Eco

Handle Ø 7 mm.

Pic.	Colour	Spoon width (mm)	Spoon length (mm)	Total length (mm)	Pack.	Art. No.	Pack Qty.	DKK	DKK
(2)	natural	14	25	140	1 x 300	NL91.1	300 units	460,50	367,90

Macro

Handle Ø 10 mm.

Pic.	Colour	Spoon width (mm)	Spoon length (mm)	Total length (mm)	Pack.	Art. No.	Pack Qty.	DKK	DKK
(5)	green	23.5	42	310	1 x 150	NL95.1	150 units	454,15	362,65

Micro, anti-static

Handle Ø 3.5 mm.

Pic.	Colour	Spoon width (mm)	Spoon length (mm)	Total length (mm)	Pack.	Art. No.	Pack Qty.	DKK	DKK
(1)	natural	3.5	10	140	1 x 300	NL90.1	300 units	326,25	260,65

Standard

Handle Ø 7 mm.

Pic.	Colour	Spoon width (mm)	Spoon length (mm)	Total length (mm)	Pack.	Art. No.	Pack Qty.	DKK	DKK
(3)	blue	14	25	210	1 x 300	NL92.1	300 units	439,90	351,40
(4)	natural	14	25	210	1 x 300	NL93.1	300 units	439,90	351,40

Sterile

Handle Ø 7 mm.

Pic.	Colour	Spoon width (mm)	Spoon length (mm)	Total length (mm)	Pack.	Art. No.	Pack Qty.	DKK	DKK
(4)	natural	14	25	210	10 x 10	NL94.1	100 units	1.467,40	1.173,75

**-20 %****Weighing pan diamond-shaped**

ROTH SELECTION. Material: PS, antistatic.

Flexible pans with smooth surface for thorough emptying with minimal sample loss.

- FDA-compliant
- Temperature-stable from -10 to +70 °C

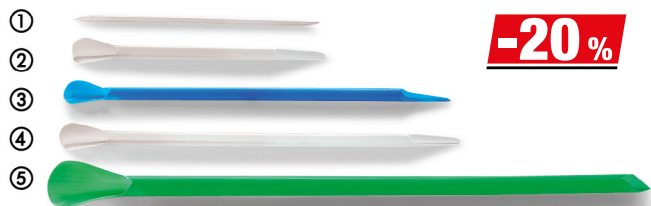
White

Vol. (ml)	Length (mm)	Width (mm)	Height (mm)	Art. No.	Pack Qty.	DKK	DKK
5	55	35	6	TP58.1	500 units	199,90	159,40
25	71	46	14	TP59.1	500 units	338,25	270,40
100	119	90	19	TP60.1	500 units	632,25	505,50

Black

Optimal contrast, specially designed for white weighing material.

Vol. (ml)	Length (mm)	Width (mm)	Height (mm)	Art. No.	Pack Qty.	DKK	DKK
5	55	35	6	TP61.1	500 units	234,75	187,15
25	71	46	14	TP62.1	500 units	338,25	270,40
100	119	90	19	TP63.1	500 units	673,90	538,50

**Spatula set**

Hammacher.

In zip-up case, spatula fastened with elastic loops.

Contents:

- 2 spoon spatulas, 150 mm and 180 mm
- 3 micro spoon spatula, spoon 5 x 7 mm, L 100, 150, 185 mm
- 3 double spatulas, rigid, L 130, 150, 185 mm
- 1 micro-powder spatula, flexible, 150 mm
- 1 chemist's spoon, double-ended, 170 mm
- 1 spoon for chemicals, double-ended, 150 mm
- 1 weighing spatula, 170 mm
- 2 micro-double spatulas, spoon-shaped, L 130, 150 mm

Not a medical device / Not an IVD product.

Length (mm)	Width (mm)	Height (mm)	Art. No.	Pack Qty.	DKK	DKK
215	155	25	KAT8.1	1 unit	733,50	623,25



-15%

Precision tweezers set ROTILABO® stainless steel SA

ROTH SELECTION. Material: stainless steel SA (1.4435), case made of plastic, foam insert.

Tweezers autoclavable, case not autoclavable.

Not a medical device / Not an IVD product.

Length (mm)	Width (mm)	Height (mm)	Art. No.	Pack Qty.	DKK	DKK
185	105	12	1P3T.1	1 set	959,65	815,25

Contents:

- 1 pair of tweezers, straight, type 1
Length 120 mm, thickness of tip 0.10 mm
- 1 pair of tweezers, straight, type 2A (flat tips)
Length 120 mm, tip thickness 0.1 mm, tip width 1.90 mm
- 1 pair of tweezers, straight, type 3C
Length 110 mm, thickness of tip 0.12 mm
- 1 pair of tweezers, straight, type 5
Length 110 mm, thickness of tip 0.07 mm
- 1 pair of tweezers, bent, type 7
Length 118 mm, thickness of tip 0.09 mm



Work light MAULwork

MAUL.

Powerful lights with high luminosity. Ideal for laboratories, workshops and engineering offices.

- Infinitely dimmable
- With segmented lighting (42 LEDs at the front, 42 LEDs at the rear or all 84 LEDs)
- Colour temperature: daylight white
- Freely adjustable lamp head
- Button on the lamp head makes it easy to switch on and off
- Robust metal arm, rotatable through 360°
- Arm length: bottom 390 mm, top 440 mm
- Height in normal working position 500 mm
- Clamp base for clamping widths of up to 63 mm

Technical specifications:

Art. No.	KLT8.1
Type	MAULwork
Colour	white
Version	with clamp base
Light source	LED
Performance	21 W
Service life	20,000 hours
Energy efficiency class	F
Luminosity	3,120 lx
Luminous flux	1,180 lm
Colour temperature	6500 K
Arm length	830 mm
Cable length	1.50 m
Mains connection	230 V, 50 Hz

Delivery incl. bulb.

Art. No.	Pack Qty.	DKK	DKK
KLT8.1	1 unit	2.007,75	1.505,65



Magnifier lamp LED

MAUL.

Ideal for precision work in laboratories, workshops and engineering offices.

- Glass lenses, metal stand
- Uniform illumination thanks to LEDs arranged in a ring (56 SMD LEDs, non-replaceable)
- Colour temperature: daylight white
- Ball-and-socket joint allows three-dimensional head rest adjustment
- Stable metal arm in a plastic trim, can be rotated by 360° and tilted
- Arm length bottom 400 mm, top 390 mm, height in normal working position 440 mm
- Clamp base for clamping widths of up to 65 mm

Technical specifications:

Art. No.	KHE1.1
Colour	white
Magnification	1.75x
Dioptries	3 dpt
Stand length	720 mm
Field of view	Ø 127 mm
Light source	LED
Service life	20,000 hours
Performance	8 W
Energy efficiency class	E
Luminosity	2,220 lx
Luminous flux	580 lm
Colour temperature	6500 K
Cable length	1.70 m
Mains connection	230 V, 50 Hz

Delivery incl. protective cap.

Art. No.	Pack Qty.	DKK	DKK
KHE1.1	1 unit	1.282,15	961,15



LED lighting plate slimlite plano

ROTH SELECTION.

With 8 mm high, very flat lighting plates. For an even and true-colour illumination when viewing transparent images. LED lighting in daylight quality, dimmable.

Charge time battery: five hours.

- Touch-sensitive switch for On/Off and brightness control
- Selectable mains or battery operation
- Different units beside the illuminated area (cm and inch)

Technical specifications:

Art. No.	HNK0.1	HNK1.1	HNK2.1
Type	S	M	L
L x W x H	290 x 200 x 8 mm	390 x 270 x 8 mm	499 x 350 x 8 mm
Illuminated area	220 x 160 mm	320 x 228 mm	429 x 309 mm
Colour temperature	5000 K		
Light density	750 cd/m ²	600 cd/m ²	650 cd/m ²
Colour rendering index	95 CRI		
Performance	3.6 W	4.1 W	6.6 W
Service life	5 hours	3.5 hours	1.5 hours
Weight	570 g	1010 g	1690 g
Mains connection	100–240 V, 50/60 Hz		

Delivery incl. power supply unit, USB cable (length 2 m), lithium-ion battery.

Type	L x W x H (mm)	Art. No.	Pack Qty.	DKK	DKK
S	290 x 200 x 8	HNK0.1	1 unit	1.067,25	853,15
M	390 x 270 x 8	HNK1.1	1 unit	1.725,40	1.380,00
L	499 x 350 x 8	HNK2.1	1 unit	2.160,75	1.728,40



-20%

Spectrophotometer EMC-11 series

EMCLAB Instruments.

Easy-to-use spectrophotometer for photometric and wavelength measurements as well as quantitative standard applications.

- TFT colour screen
- Self-test
- Quickly adjustable wavelength
- Easy to use via rotary knob and app menu
- Sample compartment for various cuvette holders
- Functional on-board software
- Including PC software EMC-λ Pro; software is web browser-based and compatible with all common WIN operating systems

Functions of the on-board software:

- Photometric measurement of absorption and transmission
- Concentration measurement against standard sample
- Concentration measurement with equation coefficients
- Store and display up to 200 measurements
- Memory for up to 200 methods and 100 standard curves
- Energy measurement to check light source, monochromator and detector
- General system information

Functions of the PC software:

- Multiple wavelength measurement: measuring the absorption / transmission of a sample at up to 20 individually specified wavelengths
- Spectrum Scan: measuring the absorption / transmission of a sample over wavelength ranges in defined equidistant intervals
- Quantitative measurement: determining the concentration of a solution in a specific substance
- DNA/RNA measurement: determining the concentration ratio of DNA/RNA samples
- Kinetic measurement: measuring the absorption of a wavelength over a given period of time.
For the kinetic analysis of chemical reactions

Technical specifications:

Art. No.	20KP.1	20KT.1
Type	EMC-11S-V	EMC-11S-UV
Wavelength	325 – 1000 nm	200 – 1000 nm
Spectral bandwidth	4 nm	
Optical system	single beam (1200 grid lines/mm)	
Wavelength accuracy	±2 nm	
Wavelength repeatability	1 nm	
Photometric range	0 – 200% T, -0.3 – 3 A, 0 – 1999 C	
Photometric accuracy	≤±0.5% T, ±0.004 A @ 1 A	≤±0.5% T, ±0.005 A @ 1 A
Photometric repeatability	≤0.5% T	
Photometric modes	absorption (A), transmission (T), concentration (C), factor (F)	
Flare	0.2% T	
Stability	±0.004 A/h @ 500 nm	
Detector	silicone photodiode	
Centre height	15 mm	
Cuvette holder	4-cell changer for 10 x 10 mm	
Light source	halogen lamp	halogen and deuterium lamp
Port	USB (PC) and parallel interface (printer)	
L x W x H	440 x 350 x 200 mm	
Weight	8 kg	9 kg
Power supply	mains-powered	
Mains connection	100 – 240 V, 50/60 Hz	

Delivery incl. PC software and factory calibration certificate.

VIS EMC-11S-V

For measurements in the visible range of the light spectrum.

Art. No.	Pack Qty.	DKK	DKK
20KP.1	1 unit	19.188,75	15.351,00

UV/VIS EMC-11S-UV

For measurements in the visible range and UV range of the light spectrum.

Art. No.	Pack Qty.	DKK	DKK
20KT.1	1 unit	28.976,65	23.181,00

NEW / +

A 121 °C



-20 %

Flat flange sealing ring DURAN®

DWK Life Sciences. Autoclavable: yes.

For tight sealing of DURAN® flat flange vessels with groove indentation. The silicone sealing ring serves to seal and prevent jamming of the ground surfaces between the lower part and the lid.

Note: not suitable for desiccators.

Silicone/FEP, red

Material: silicone with FEP coating.

- The use of a sealing ring guarantees very good tightness of the flat flange connection
- Temperature stable in the range -20 to +200 °C
- Excellent chemical resistance

Version	Ø ext. (mm)	Height (mm)	Art. No.	Pack Qty.	DKK	DKK
DN 60	75	4	201T.1	1 unit	355,50	284,25
DN 100	110	4	201X.1	1 unit	429,00	343,15
DN 120	133	4	201Y.1	1 unit	501,75	401,25
DN 150	157	5	202A.1	1 unit	554,25	443,25
DN 200	215	5	202C.1	1 unit	648,40	518,65

Silicone, transparent

Material: silicone (VMQ).

- The use of a sealing ring guarantees very good tightness of the flat flange connection
- Temperature stable in the range -50 to +200 °C
- Chemical resistance is limited compared to FEP-coated O-rings

Version	Ø ext. (mm)	Height (mm)	Art. No.	Pack Qty.	DKK	DKK
DN 60	75	4	201A.1	5 units	393,40	314,65
DN 100	110	4	201C.1	5 units	631,50	505,15
DN 120	133	4	201E.1	5 units	923,65	738,75
DN 150	157	5	201H.1	5 units	1.252,50	1.002,00
DN 200	215	5	201K.1	5 units	1.597,50	1.278,00



NEW / +



Flat flange quick release fastener

DWK Life Sciences. Material: stainless steel.

The quick release fastener enables flat flange vessels and lids to be quickly and securely fastened. Slipping or uncontrolled opening is not possible. The fastener is made of high-quality stainless steel and has three holding segments.

- With 3 holding segments
- Fast closing and opening due to quick release fastener

Suitable for	Art. No.	Pack Qty.	DKK	DKK
DN 60	202E.1	1 unit	489,00	391,15
DN 100	202H.1	1 unit	623,65	498,75
DN 120	202K.1	1 unit	658,50	526,50
DN 150	202L.1	1 unit	733,50	586,50
DN 200	202N.1	1 unit	838,50	670,50

-20 %



NEW / +

Flat flange clamp lock with stand rod

Lenz. Material: polyester glass fibre reinforced, steel (stand rod).

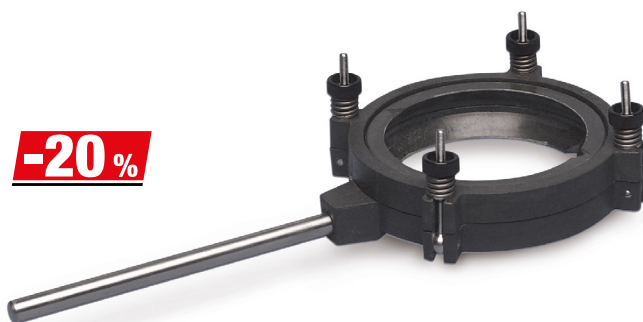
For secure attachment of flat flange lid on flat flange reaction vial to a support rod.

- Robust design
- Clamp lock enables quick and easy assembly or disassembly of flat flange reaction vials

Delivery without boss head, please order separately.

Version	Art. No.	Pack Qty.	DKK	DKK
DN 60	20X8.1	1 unit	4.104,00	3.282,75
DN 100	20X9.1	1 unit	4.104,00	3.282,75
DN 150	20XA.1	1 unit	7.893,40	6.314,25

-20 %





-20%

NEW/+

A 121 °C



Flat flange reaction vial DURAN®

DWK Life Sciences. Material: DURAN® glass, borosilicate glass 3.3. Autoclavable: yes.

Flat flange reaction vial with groove in the flat flange and round base. The flat flange reaction vial is closed with a separately available lid. Both parts are held together by a clamping ring. A sealing ring or the use of grinding grease prevents the grinding surfaces from jamming. Suitable silicone and FEP sealing rings are available separately. The flat flange vessel can be combined with other components (e.g. coolers, stirrer shafts and dropping funnels) by means of various standard ground joints in the lid.

Areas of application: preparatory work, such as general reactions, distillation, evaporation and drying, in which solid or viscous substances are produced. The thick-walled construction and geometry make these vessels suitable for safe working under pressure and vacuum.

- Excellent chemical resistance
- High temperature resistance
- Vessels up to and including 1000 ml nominal volume are cylindrical throughout, while larger vessels have a round flask-like shape

Note: at a maximum operating temperature of +250 °C and the respective permissible operating pressure, the temperature difference in the glass wall of the flat flange reaction vial must not exceed 30 °C.

Delivery incl. flat flange reaction vial.

Delivery without flat flange lid, sealing ring and clamping ring, please order separately.

Version	Nominal volume (ml)	Usable volume (ml)	Outer flange Ø (mm)	Ø ext. (mm)	Height (mm)	Max. working pressure (bar)	Art. No.	Pack Qty.	DKK	DKK
DN 60	100	195	100	70	85	2.5	1YX3.1	1 unit	359,25	287,25
DN 60	250	315	100	70	125	2.5	1YX4.1	1 unit	862,50	690,00
DN 100	500	740	138	106	120	1.5	1YX5.1	1 unit	525,00	420,00
DN 100	1,000	1395	138	106	205	1.5	1YX6.1	1 unit	1.290,00	1.032,00
DN 100	2,000	2620	138	140	270	1.5	1YX7.1	1 unit	1.507,50	1.206,00
DN 150	4,000	5765	184	200	290	1.0	1YX8.1	1 unit	2.437,50	1.950,00
DN 150	6,000	7320	184	215	320	1.0	1YX9.1	1 unit	2.685,00	2.148,00
DN 150	10,000	11935	184	240	410	0.5	1YXA.1	1 unit	3.705,00	2.964,00

NEW/+

A 121 °C



-20%

Flat flange lid DURAN® 4 necks with NS

DWK Life Sciences. Material: DURAN® glass, borosilicate glass 3.3. Autoclavable: yes.

Flat flange lid for closing flat flange vessels. The different standard ground joints in the lid allow a combination with other ground joint components (e.g. dropping funnels, coolers and stirrer shafts).

Note: at a maximum operating temperature of +250 °C and the respective permissible operating pressure, the temperature difference in the glass wall of the flat flange lid must not be more than 30 °C.



Centre neck, 3 inclined side necks

Version	Outer flange Ø (mm)	Height (mm)	Max. working pressure (bar)	Centre neck with ground glass joints	Side neck 1+2 with ground glass joints	Side neck 3 with ground glass joints	Art. No.	Pack Qty.	DKK	DKK
DN 60	100	90	2.0	29/32	19/26	14/23	1YYE.1	1 unit	2.085,00	1.668,00
DN 100	138	105	1.0	29/32	29/32	14/23	1YYH.1	1 unit	2.137,50	1.710,00
DN 100	138	125	1.0	29/32	29/32	29/32	1YYK.1	1 unit	2.340,00	1.872,00
DN 150	184	130	1.0	29/32	29/32	29/32	1YYL.1	1 unit	2.490,00	1.992,00
DN 150	184	140	1.0	45/40	29/32	29/32	1YYN.1	1 unit	2.640,00	2.112,00

Centre neck, 3 vertical side necks

Version	Outer flange Ø (mm)	Height (mm)	Max. working pressure (bar)	Centre neck with ground glass joints	Side neck 1+2 with ground glass joints	Side neck 3 with ground glass joints	Art. No.	Pack Qty.	DKK	DKK
DN 150	184	130	1.0	29/32	29/32	29/32	1YYP.1	1 unit	2.490,00	1.992,00

Centre neck, 1 vertical, 2 inclined side necks

Version	Outer flange Ø (mm)	Height (mm)	Max. working pressure (bar)	Centre neck with ground glass joints	Side neck 1+2 with ground glass joints	Side neck 3 with ground glass joints	Art. No.	Pack Qty.	DKK	DKK
DN 100	138	125	1.0	29/32	29/32	14/23	1YYT.1	1 unit	2.340,00	1.872,00
DN 120	158	130	1.0	29/32	29/32	14/23	1YYX.1	1 unit	2.385,00	1.908,00
DN 150	184	120	1.0	29/32	29/32	14/23	1YYY.1	1 unit	2.490,00	1.992,00



-15%

Shaker RS-OS 6

Phönix Instrument.

Suitable for moving five Petri dishes, for gentle mixing of samples in different vessels, e.g. culture bottles, etc.

- Digital LED display of speed and operating time
- Maintenance-free, brushless motor

Technical specifications:

Art. No.	1T74.1
Type	RS-OS 6
Movement type	circular
Speed range	40 to 200 rpm
Shaking amplitude (stroke)	20 mm
Timer	1 min to 19 h, 59 min or continuous operation
Shaking surface area	268 x 268 mm
W x D x H	295 x 350 x 125 mm
Mains connection	100–240 V, 50/60 Hz

Delivery incl. tray top with four fixing bands.

Art. No.	Pack Qty.	DKK	DKK
1T74.1	1 unit	3.749,25	3.186,40



NEW/+

-25%

Microtiter shaker Genie® Multiplate

Scientific Industries.

Specially designed for small sample sizes in 96/384 MT plates or deep-well plates.

- Digital display of speed and operating time
- Choice of standard shake mode or pulse mode
- Depending on the selected pulse and pause duration, rapid and vigorous mixing or an intermittent mixing function is available
- Pulse and pause duration (on/off) is adjustable from 0.1 s to 99 min

Technical specifications:

Art. No.	21C8.1
Type	Multiplate Genie®
Suitable for	4 microtiter plates (8 MT plates with optional attachment)
Speed range	500 to 2700 rpm
Speed display	digital
Shaking amplitude (stroke)	1 mm
Timer	1 s to 99 min or continuous operation
Timer display	digital
W x D x H	261 x 383 x 150 mm
Mains connection	100–240 V, 50 Hz

Art. No.	Pack Qty.	DKK	DKK
21C8.1	1 unit	9.296,25	6.972,00



-25%

Rotator TR series

Stuart/Cole-Parmer.

For gentle blending of samples, such as culture tubes, blood vials and reaction vials, for example.

Technical specifications:

Art. No.	Y549.1	Y550.1
Type	TR-200	TR-200D
Speed range	2 to 40 rpm	
Speed	20 rpm	
Speed display		digital
Timer		1 to 999 min
W x D x H, external	200 x 270 x 240 mm	
Permissible ambient conditions	4 to 60 °C at 80% RH	
Weight	3.2 kg	
Mains connection	230 V, 50 Hz	

Delivery incl. basic unit without turntable.
Please order required turntables separately.

Model: TR-200

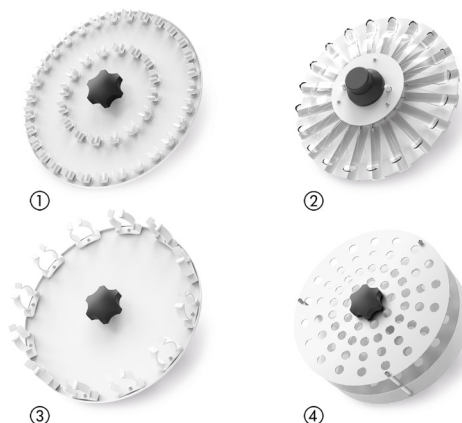
With fixed set speed.

Art. No.	Pack Qty.	DKK	DKK
Y549.1	1 unit	4.087,50	3.295,50

Model: TR-200D

With variable speed control, digital speed display and timer function.

Art. No.	Pack Qty.	DKK	DKK
Y550.1	1 unit	5.962,50	4.807,15



-25%

Accessories turntables for rotators TR-200/D

Stuart/Cole-Parmer.

Pic.	Designation	Art. No.	Pack Qty.	DKK	DKK
(1)	40 reaction vials 1,5/2,0 ml	Y551.1	1 unit	2.062,50	1.662,75
(2)	20 sample vials Ø 9–20 mm	Y552.1	1 unit	2.062,50	1.662,75
(3)	12 centrifuge tubes 50 ml	Y553.1	1 unit	2.212,50	1.783,50
(4)	63 culture tubes Ø 12 mm	Y554.1	1 unit	2.737,50	2.206,90
(4)	63 culture tubes Ø 16 mm	Y555.1	1 unit	2.287,50	1.844,25



①

-30 %



②

Test tube shakers Genie® Vortex Mixer series

Scientific Industries.

Technical specifications:

Art. No.	P505.1	HH64.1
Type	Vortex-Genie® 2	Vortex-Genie® 2 digital
Movement type	circular vibrating	
Speed range	600 to 2700 rpm	500 to 2850 rpm
Speed display	scale	digital
Timer display	no	digital
		intermittent operation: 1 to 99 s
		hands-free mode: 1 to 99 min
W x D x H	122 x 165 x 165 mm	
Mains connection	230 V, 50/60 Hz	

Delivery incl. standard attachment (inside Ø 25 mm) and shaking tray (Ø 75 mm).

(1) Model: Vortex-Genie® 2

Intermittent operation (with automatic start, triggered by pressing the attachment) or continuous operation is possible.

Art. No.	Pack Qty.	DKK	DKK
P505.1	1 unit	4.023,40	2.816,25

(2) Model: Vortex-Genie® 2 digital

With speed and time adjustment (timer function) via digital display. Setting options: 1 to 99 s (intermittent operation), 1 to 99 min (hands-free mode) or continuous operation. After not being used for 10 minutes, the mixer switches to „sleep“ mode. Speed increase in increments of 10 rpm.

Art. No.	Pack Qty.	DKK	DKK
HH64.1	1 unit	4.910,25	3.436,90



-15 %

Reaction vials ROTILABO®

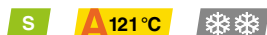
ROTH SELECTION. Material: PP. Autoclavable: yes.

- Additional volume above the last graduation allows for liquid expansion
- Graduated, frosted labelling space
- Ergonomic lid, opens with one hand, with click closure
- Puncturable lid
- **RNase/DNase-free, pyrogen-free, PCR inhibitor-free, metal-free**

Not a medical device / Not an IVD product.



Vol. (ml)	Colour	Centrifugability fixed angle rotor in g	Centrifugability swing-out rotor in g	Temp. stability (°C)	Sterility	Art. No.	Pack Qty.	DKK	DKK
1.5	colourless	25,000	70,000	-20 to +121	Sterile	ENE8.2	500 units	96,00	81,40
1.5	colourless	25,000	70,000	-20 to +121	Non-sterile	ENE9.2	500 units	88,50	75,00
2.0	colourless	25,000	70,000	-20 to +121	Sterile	ENH1.2	500 units	104,65	88,50
2.0	colourless	25,000	70,000	-20 to +121	Non-sterile	ENH2.2	500 units	96,00	81,40



-20 %

Screw vials sterile

ROTH SELECTION. Material: PP, screw cap made of HDPE, with seal made of TPS. **Sterile**. Autoclavable: yes.

- 1.5 and 2 ml reaction vials with labelling space
- Temperature-stable from -80 to +121 °C
- **RNase/DNase-free, pyrogen-free**

Delivery incl. screw-on lid (fitted).

Not a medical device / Not an IVD product.



Free-standing

Vol. (ml)	Lock	Ø ext. (mm)	Outer lid Ø (mm)	Height (mm)	Temp. stability (°C)	Art. No.	Pack Qty.	DKK	DKK
0.5	TPS seal	10.5	13	48	-80 to +121	XC80.2	1,000 units	1.918,90	1.534,90
1.5	TPS seal	10.5	13	48	-80 to +121	XC82.2	1,000 units	1.918,90	1.534,90
2	TPS seal	10.5	13	48	-80 to +121	XC84.2	1,000 units	1.918,90	1.534,90

Conical

Centrifugable to 25,000 x g.

Vol. (ml)	Lock	Ø ext. (mm)	Outer lid Ø (mm)	Height (mm)	Temp. stability (°C)	Centrifugability swing-out rotor in g	Centrifugability fixed angle rotor in g	Art. No.	Pack Qty.	DKK	DKK
0.5	TPS seal	8.0	13	47	-80 to +121	25,000	25,000	XC79.1	200 units	384,00	306,75
1.5	TPS seal	10.5	13	47	-80 to +121	25,000	25,000	XC81.2	1,000 units	1.918,90	1.534,90
2	TPS seal	11.5	13	47	-80 to +121	25,000	25,000	XC83.1	200 units	384,00	306,75



-25 %

Cryogenic vessels

ROTH SELECTION. Material: PS (foamed).

Sturdy, thick-walled design provides ideal cooling and prevents condensation. Suitable for freezing samples in liquid nitrogen. Temperature stable up to -196 °C.

Delivery incl. lid.

Vol. (ml)	Ø ext. (mm)	Outer height (mm)	Art. No.	Pack Qty.	DKK	DKK
750	190	280	1NA0.1	1 unit	654,00	490,15



Technical specifications:

Art. No.	1NA0.1
Ø internal	139 mm
Ø inner neck	89 mm
Wall thickness	51 mm


-20%

Cryogenic rack drawer rack

ROTH SELECTION. Material: stainless steel, polished, drawers made of aluminium.

For the storage of cryogenic boxes in deep freezers, less effort is required for removal and insertion. Cabinet modules without pull-out stop. Suitable for cryogenic boxes in sizes from 130 x 130 to 136 x 136 mm.

Suitable for	Width (mm)	Height (mm)	Depth (mm)	Arrangement of compartments	Art. No.	Pack Qty.	DKK	DKK
Box height: 50 mm	144	224	570	4 x 4	CLL9.1	1 unit	1.407,00	1.125,40
Box height: 50 mm	144	280	570	5 x 4	CLN0.1	1 unit	1.455,75	1.164,00
Box height: 50 mm	144	336	570	6 x 4	CLN1.1	1 unit	1.502,65	1.201,90
Box height: 50 mm	144	280	709	5 x 5	HHX5.1	1 unit	1.636,90	1.309,15
Box height: 75 mm	144	250	570	3 x 4	CLN2.1	1 unit	1.417,15	1.133,65
Box height: 75 mm	144	335	570	4 x 4	CLN3.1	1 unit	1.464,00	1.170,75



Dewar vessel

Nalgene. Material: HDPE, double walls filled with polyurethane foam.

Suitable for safe short-term handling and storage of liquid nitrogen, dry ice, freezing mixtures and iced water. Shatter-proof.

Temperature stability: -196 to +100 °C.

- Vented, insulating lid
- Metal clips to secure the lid
- With moulded-in ribs
- Pour spout and bottom grip area
- Container with carrying handle (except for 10 l)

Vol. (l)	Art. No.	Pack Qty.	DKK	DKK
1	PP15.1	1 unit	1.782,00	1.425,40
2	PP16.1	1 unit	1.983,40	1.586,65
4	PP17.1	1 unit	2.060,15	1.663,90
10	PP18.1	1 unit	3.706,75	2.967,00

-20%


Technical specifications:

Art. No.	PP15.1	PP16.1	PP17.1	PP18.1
Ø internal	96 mm	122 mm	158 mm	198 mm
Inner height	195 mm	231 mm	295 mm	396 mm



Benchtop centrifuge Frontier FC 5706

Ohaus.

For sample preparation and sedimentation of cells, yeasts, bacteria, etc.

- Optional display of rpm or x g
- Depending on the rotor, suitable for max. 6 x 50 ml centrifuge tubes of type Falcon® or 12 x 15 ml standard tubes

-20 %

Technical specifications:

Art. No.	HNP6.1
Type	FC 5706
Maximum speed	6,000 rpm
Maximum RCF	4427 x g
Timer function	10 to 99 h, 99 min or continuous operation
W x D x H	291 x 392 x 266 mm
Mains connection	230 V, 50/60 Hz

Not a medical device / Not an IVD product.

Delivery without rotor, please order separately.

Art. No.	Pack Qty.	DKK	DKK
HNP6.1	1 unit	13.012,50	10.410,00

-20 %



Accessories angle rotor 12-fold (32°) type 1520 for centrifuge Frontier FC 5706

Ohaus.

For 12 standard test tubes 15 ml with round base (Ø 17 x L 100 mm, max. RCF 4427 x g) or with optional adapter for reaction vials.

Art. No.	Pack Qty.	DKK	DKK
HNP7.1	1 unit	2.685,00	2.148,00

Accessories adapter for 12-fold angle rotor type 1520

Ohaus.

Technical specifications:

Art. No.	HNP8.1	HNP9.1	HNT0.1
Nominal volume	7 ml	5 ml	1.5 ml
Required number of adapters per rotor	12		
Max. vessel length	100 mm	75 mm	42 mm
Max. vessel Ø	13 mm		11 mm
Maximum RCF	4265 x g	3621 x g	3058 x g

Designation	Art. No.	Pack Qty.	DKK	DKK
Adapter for 7 ml vessels	HNP8.1	2 units	392,25	313,50
Adapter for 5 ml reaction vials	HNP9.1	2 units	344,25	275,25
Adapter for 1.5/2.0 ml reaction vials	HNT0.1	6 units	639,00	511,15

-20 %



Accessories angle rotor 6-fold (40°) type 5015 for centrifuge Frontier FC 5706

Ohaus.

For 6 centrifuge tubes 50 ml type Falcon® (Ø 30 x L 115 mm, max. RCF 4427 x g) or with optional adapter for 15-ml centrifuge tubes type Falcon®.

Art. No.	Pack Qty.	DKK	DKK
HNT1.1	1 unit	4.800,00	3.840,00

Accessories adapter for 6-fold angle rotor type 5015

Ohaus.

Technical specifications:

Art. No.	HNT2.1	HNT3.1	HNT4.1
Nominal volume	30 ml	15 ml	
Required number of adapters per rotor	6		
Max. vessel length	100 mm	105 mm	120 mm
Max. vessel Ø	25 mm	17 mm	
Bottom shape	round		conical
Additional data			tubes type Falcon®
Maximum RCF	4306 x g	4225 x g	4185 x g

Designation	Art. No.	Pack Qty.	DKK	DKK
Adapter for 30 ml vessels	HNT2.1	2 units	810,00	648,00
Adapter for 15 ml standard test tubes	HNT3.1	2 units	810,00	648,00
Adapter for 15 ml tubes type Falcon®	HNT4.1	2 units	560,25	448,15



Mini centrifuge ROTILABO® Uni-fuge

Carl ROTH.

- Replaceable rotor system
(effortless insertion and removal of the rotors included in delivery)
- **Start and stop is controlled via an additional switch**
- Small, compact and powerful

Technical specifications:

Art. No.	CX73.1
Type	Uni-fuge
Max. capacity	6 x 1.5/2.0 ml reaction vials
Max. speed (in microlitre rotor)	6,000 rpm
Maximum RCF	2000 x g
W x D x H	130 x 150 x 120 mm
Mains connection	220 V, 50/60 Hz

Delivery incl. standard rotor for reaction vials 6 x 1.5/2.0 ml, adapter for reaction vials 0.5 ml and one rotor for PCR® vessel strips with 2 x 8 reaction vials à 200 µl per strip.

Not a medical device / Not an IVD product.

Art. No.	Pack Qty.	DKK	DKK
CX73.1	1 unit	1.798,15	1.348,15



-20 %

Diaphragm vacuum pump LABOPORT® N 938.50.KT KNF.

Chemical-resistant diaphragm vacuum pumps for a wide range of applications in the laboratory. The two pump heads' parallel and series connections ensure that evacuation is very fast.

- Corrosion-resistant
- Suitable for continuous operation
- Compact, quiet and reliable
- Small footprint

Application:

degassing, desiccation, liquid suction, solid phase extraction.

Optional accessories (please order separately): fine adjustment head with manual vacuum control via leakage air.

Technical specifications:

Art. No.	1EA9.1
Type	N 938.50.KT
Delivery rate	30 l/min
Delivery rate	1.8 m³/h
End vacuum (abs.)	15 mbar
Overpressure	0.5 bar
Media temperature	+5 – +40 °C
Connection	for hose inner Ø 10 mm
Motor power	110 W
Ambient temperature	+5 – +40 °C
IP rating	20
Materials in contact with media	pump head: PPS, diaphragms: PTFE-coated, valves: FPM
W x D x H	212 x 317 x 110 mm
Weight	6.8 kg
Mains connection	230 V, 50 Hz

Art. No.	Pack Qty.	DKK	DKK
1EA9.1	1 unit	11.045,65	8.836,50



-20 %

Vacuum controllers VCpro 601

WELCH Vacuum.

Two-point controller for regulating a rough vacuum, for universal use. Robust vacuum sensor, chemically resistant and very precisely adjustable to ±1 mbar.

- With large, multilingual colour display and light/dark screen mode for optimum visibility
- Measured values can be presented digitally as a curve progression or in an analogue manner as individual values
- Integrated solvents library with stored distillation-specific parameters or freely adjustable boiling points; storage of individual pressure histories for innovative processes possible
- With communication port for remote control/monitoring, for downloading logged process data and for software updates
- Various safety levels can be accessed for self-defined user approvals
- Selectable pressure unit (mbar/Torr/psi)
- Integrated ventilation valve for inert gas/room air and solenoid control valve for vacuum
- Connection for cooling water valve available

Technical specifications:

Art. No.	1ATL.1
Type	VCpro 601
Measuring range	1100–1 mbar
Resolution	1 mbar
Measuring principle	capacitive absolute pressure transducer, regardless of the gas type
Accuracy	sensor: 0.3% full scale control: 1 mbar
Connection	for hose inner Ø 8 mm
Venting valve connection	for hose inner Ø 4 mm
Ambient temperature	+15 – +30 °C
L x W x H	195 x 178 x 105 mm
Weight	1500 g
Mains connection	115–240 V, 50/60 Hz

Delivery incl. VCpro 601 vacuum controller with vacuum valve, venting valve and holder for stand removal.

Art. No.	Pack Qty.	DKK	DKK
1ATL.1	1 unit	18.294,00	14.634,75

A 121 °C

Tube ROTILABO® silicone

ROTH SELECTION. Material: silicone opaque. Autoclavable: yes.

Vacuum design

Thick-walled.

Ø internal (mm)	Ø ext. (mm)	Wall thickness (mm)	Art. No.	Pack Qty.	DKK	DKK
3	9	3	9737.1	5 m	309,40	216,40
4	12	4	9738.1	5 m	418,50	292,50
5	15	5	9740.1	5 m	607,50	425,25
6	12	3	9742.1	5 m	388,90	271,50
7	15	4	9744.1	5 m	650,25	454,90
8	16	4	9746.1	5 m	729,00	509,65
10	20	5	9747.1	5 m	929,65	646,15
12	22	5	T980.1	5 m	1.016,25	711,00

-30 %



Technical specifications:

Temp. stability	-60 to +180 °C
Colour	colourless
Hardness	55 Shore A



-20%

S

Filtration unit Stericup® with MILLIPORE Express® PLUS (PES) membrane

MERCK MILLIPORE. Sterile.

A combination of bottle-top filter and collecting bottle. For routine sterile filtration of tissue culture media, sera, additives and other aqueous solutions.

Ideal for use under laminar flow conditions thanks to its compact form. Stackable bottles.

- Low protein binding
- High flow speeds, short filtration times
- 73 mm membrane diameter
- 40 cm² filtration surface
- Housing made of PS
- Max. application temperature 45 °C
- Vacuum connection for hoses with inner Ø of 6.5 to 12 mm

Pore size 0.1 µm

For removal of mycoplasma.

Pore size (µm)	Ø membrane (mm)	Funnel volume (ml)	Bottle volume (ml)	Art. No.	Pack Qty.	DKK	DKK
0.10	73	250	250	CX01.1	12 units	1.556,25	1.244,65

Pore size 0.22 µm

Pore size (µm)	Ø membrane (mm)	Funnel volume (ml)	Bottle volume (ml)	Art. No.	Pack Qty.	DKK	DKK
0.22	73	150	150	X338.1	12 units	1.008,00	806,25
0.22	73	250	250	X339.1	12 units	1.201,50	960,75
0.22	73	500	500	X340.1	12 units	1.894,90	1.515,75
0.22	73	500	1,000	X341.1	12 units	2.539,90	2.031,75
0.22	73	1,000	1,000	X342.1	12 units	2.652,75	2.121,75



Round filters

Macherey-Nagel.

For **qualitative analysis**. Not chemically treated.

Ash content: 0.1 to 0.2%.

Type: MN 615

... Medium filtration speed. Thin filter paper for general applications.

Especially suited to filtration of water and saline solutions.

Surface weight: 70 g/m². Thickness: 0.16 mm.

Type	Ø (mm)	Retention range (µm)	Art. No.	Pack Qty.	DKK	DKK
MN 615	55	4–12	L870.1	100 units	44,25	33,00
MN 615	70	4–12	L871.1	100 units	44,25	33,00
MN 615	90	4–12	L872.1	100 units	54,00	40,50
MN 615	110	4–12	L873.1	100 units	72,00	54,00
MN 615	125	4–12	L874.1	100 units	78,00	58,50
MN 615	150	4–12	L875.1	100 units	109,50	77,65
MN 615	185	4–12	L876.1	100 units	141,75	106,15
MN 615	240	4–12	L877.1	100 units	225,75	169,15

Type: MN 616

... Medium filtration speed. For deposits such as sulphide, lead chromate, calcium oxalate. Surface weight: 85 g/m². Thickness: 0.20 mm.

Type	Ø (mm)	Retention range (µm)	Art. No.	Pack Qty.	DKK	DKK
MN 616	55	4–12	L878.1	100 units	54,00	40,50
MN 616	70	4–12	L879.1	100 units	54,00	40,50
MN 616	90	4–12	L880.1	100 units	74,25	55,50
MN 616	110	4–12	L881.1	100 units	95,25	71,25
MN 616	125	4–12	L882.1	100 units	113,25	84,75
MN 616	150	4–12	L883.1	100 units	144,00	108,00
MN 616	185	4–12	L884.1	100 units	201,75	151,15
MN 616	240	4–12	L885.1	100 units	329,25	246,75

Type: MN 619 eh

... Low filtration speed. Density filter for fine deposits.

Surface weight: 85 g/m². Thickness: 0.17 mm.

Type	Ø (mm)	Retention range (µm)	Art. No.	Pack Qty.	DKK	DKK
MN 619 eh	55	2–4	L886.1	100 units	54,00	40,50
MN 619 eh	70	2–4	L887.1	100 units	54,00	40,50
MN 619 eh	90	2–4	L888.1	100 units	74,25	55,50
MN 619 eh	110	2–4	L889.1	100 units	95,25	71,25
MN 619 eh	125	2–4	L890.1	100 units	113,25	84,75
MN 619 eh	150	2–4	L891.1	100 units	144,00	108,00
MN 619 eh	185	2–4	L892.1	100 units	201,75	151,15
MN 619 eh	240	2–4	L893.1	100 units	329,25	246,75



Büchner funnel ROTILABO®

ROTH SELECTION. Material: porcelain, glazed.

Excellent resistance to acids and bases.

Temperature stability up to +1,000 °C.

Vol. (ml)	Ø filter plate (mm)	Suitable for	Art. No.	Pack Qty.	DKK	DKK
35	48	filter Ø 45 mm	XX44.1	1 unit	185,25	138,40
70	62	filter Ø 55 mm	XX45.1	1 unit	216,75	162,00
120	77	filter Ø 70 mm	XX46.1	1 unit	259,50	194,25
240	97	filter Ø 90 mm	XX47.1	1 unit	361,50	270,75
400	116	filter Ø 110 mm	XX48.1	1 unit	451,50	338,65
600	130	filter Ø 125 mm	XX49.1	1 unit	570,00	427,15
1,000	156	filter Ø 150 mm	XX50.1	1 unit	759,00	568,50
2,000	192	filter Ø 185 mm	XX51.1	1 unit	1,018,50	763,50
4,000	248	filter Ø 240 mm	XX52.1	1 unit	2,370,40	1.777,50
7,000	296	filter Ø 290 mm	XX53.1	1 unit	5,635,90	4.226,65
10,000	334	filter Ø 320 mm	XX54.1	1 unit	7,046,65	5.284,90



A 121 °C



Suction bottle ROTILABO®

ROTH SELECTION. Material: borosilicate glass 3.3.

Autoclavable: yes.

With glass olive Ø 10 mm.

Vol. (ml)	Ø ext. (mm)	Ø inner neck (mm)	Height (mm)	Art. No.	Pack Qty.	DKK	DKK
100	70	24	105	NY65.1	1 unit	411,40	308,25
250	85	35	145	NY66.1	1 unit	458,25	343,50
500	105	35	175	NY67.1	1 unit	593,25	377,25
1,000	135	45	230	NY68.1	1 unit	695,65	521,25
2,000	165	60	255	NY69.1	1 unit	784,50	588,00

A 121 °C



Guko sleeve set

DWK Life Sciences. Material: EPDM. Autoclavable: yes.

Conical rubber seals for suction bottle.

Set consisting of 8 Gukos (sizes 22, 29, 36, 44, 53, 63, 73 and 84 mm).

Temperature-stable between -45 and +150 °C.



Art. No.	Pack Qty.	DKK	DKK
PK84.1	1 set	376,50	301,15



-25 %

Diaphragm vacuum pump ROTILABO® CR-MV100

ROTH SELECTION.

Chemical-resistant, for conveying and compressing neutral and aggressive gases and vapours in accordance with the resistance of the given materials. Vacuum is continuously variable via manual vacuum controller (needle valve).

Application:

suitable for vacuum filtration, vacuum drying and solid phase extraction.

Delivery incl. vacuum metering block with pressure gauge and exhaust silencer.

Art. No.	Pack Qty.	DKK	DKK
ECK4.1	1 unit	6.369,40	4.776,75

Technical specifications:

Art. No.	ECK4.1
Type	CR-MV100
Delivery rate	10 l/min
Delivery rate	1.0 m ³ /h
End vacuum (abs.)	100 mbar
Measuring range	1000 – 1 mbar
Graduation	50 mbar
Overpressure	2.5 bar
Media temperature	+10 – +60 °C
Connection	for hose inner Ø 6 mm
Motor power	48 W
Ambient temperature	+10 – +40 °C
Materials in contact with media	seal: EPDM, hose nozzle: PP, valve: FKM, diaphragm: PTFE-coated, hose/separator: PVC, pump head: Rytan
W x D x H	144 x 198 x 244 mm
Weight	2.7 kg
Mains connection	90–260 V, 50/60 Hz

-20 %

Rotary vane pump package CRVpro series

WELCH Vacuum.

Complete packages with two-stage rotary vane pumps.

- Low operating temperature due to enhanced cooling geometry
- Coating of the pump body and the oil container as protection against chemical vapours
- Low oil consumption and corrosion inhibition due to low heat development during operation
- Large oil reservoir reduces the concentration of chemicals, thereby increasing the oil change intervals

Application:

- Freeze dryer (CRVpro 4/6/8)
- Vacuum centrifuge (CRVpro 6)
- Vacuum ovens (CRVpro 8)
- Schlenk technology (CRVpro 4)
- Glove box (CRVpro 8)

Technical specifications:

Art. No.	HKE0.1	HKE1.1	HKE2.1
Type	CRVpro 4	CRVpro 6	CRVpro 8
Delivery rate	63 l/min	85 l/min	122 l/min
Delivery rate	3.8 m³/h	5.1 m³/h	7.3 m³/h
End vacuum (abs.)	2 x 10 ⁻³ mbar		
End vacuum abs. with gas ballast	7 x 10 ⁻² mbar		
Media temperature	+10 – +40 °C		
Connection	DN 16 KF small flange		
Oil filling	1.15 l		1.0 l
Motor power	370 W		
Ambient temperature	+10 – +40 °C		
IP rating	54		
Noise level	50 db		
W x D x H	463 x 157 x 230 mm		
Weight	21 kg	22 kg	22.5 kg
Mains connection	115–230 V, 50/60 Hz		

Delivery incl. AKD 16 oil mist separator, 2-way ball valve, adapter (DN 16 small flange to DN 10/8 mm hose nozzle), vacuum hose (1.5 m), oil change set incl. 2 x 1 l oil, clamping and centring rings.

Type	Art. No.	Pack Qty.	DKK	DKK
CRVpro 4	HKE0.1	1 unit	21.164,25	16.931,25
CRVpro 6	HKE1.1	1 unit	23.341,15	18.672,75
CRVpro 8	HKE2.1	1 unit	27.936,75	22.349,25



Vacuum system SC 920 G

KNF.

Chemical-resistant, suitable for aggressive and corrosive gases and vapours.

- Control optionally via operating unit or PC
- LCD screen displays actual and target values
- Automatic boiling point detection and boiling point tracking using integrated ramp function
- High recovery rates even with solvents that have very low boiling points
- Delivery rate (in%) can be adjusted via speed
- Integrated gas ballast valve reduces condensate formation within the pump head
- Quiet operation

Control panel:

- Display: LCD
- Operation: touchscreen/rotary pushbutton
- Dimensions (W x H x D): 90 x 205 x 55 mm

Delivery incl. 2x collecting flasks (each 500 ml, made of glass, coated), 2x flask clamps, USB cable for connecting to a PC and software (compatible with Windows).

Art. No.	Pack Qty.	DKK	DKK
EHP1.1	1 unit	39.938,65	33.182,65

-15 %

Technical specifications:

Art. No.	EHP1.1
System	SC 920 G
Delivery rate	20 ml/min
End vacuum (abs.)	2 mbar
End vacuum abs. with gas ballast	5 mbar
Connection	for hose inner Ø 10 mm
Ambient temperature	+5 – +40 °C
Materials in contact with media	pump head: PPS, diaphragms: PTFE-coated, valves: FPM, seals: FPM, hose nozzles: PVDF
Port	mini USB
W x D x H	366 x 294 x 423 mm
Weight	15.2 kg
Mains connection	100–240 V, 50/60 Hz



-25 %

Laboratory cooling water monitor AQUASTOP® II

ROTH SELECTION.

For monitoring cooling water flow and temperature in the laboratory. For installation in apparatus that runs without permanent supervision. Power supply and water supply are cut off in case of irregularities or when the preset temperature limit is exceeded.

Application:

- If the flow rate drops below the preset minimum level, the solenoid valve shuts off the coolant supply and connected electrical device (e.g. heating mantle) is de-energised.
- If the maximum temperature is exceeded, the solenoid valve stays open, the apparatus continues to be cooled and the electrical device is de-energised.

The temperature at the coolant outlet is recorded by the internal NTC sensor integrated in the flow sensor. As an option, an external Pt 100 temperature sensor which automatically deactivates the internal sensor can be installed in a freely selectable position on the test set-up (if required, please order separately).

Features:

- 2-line LED display for simultaneous display of flow rate and temperature
- LED for switching status and alarm indication
- Freely selectable alarm limits
- Acoustic pre-alarm alerts user before final deactivation
- With Schuko socket on the back

Technical specifications:

Art. No.	CKY2.1
Type	AQUASTOP® II
Flow measuring range	2–99 l/h
Temperature measuring range, internal	0 to +80 °C
Ext. temp. measuring range	0 to +250 °C
Setting accuracy	±1 l/h, ±1 °C
Fuse	16 A mT (load) 0.5 A mT (solenoid valve) 0.2 A mT (control unit)
Solenoid valve	connection to tap: 3/4" IG, connection to apparatus: 3/4" AG or hose connector Ø 10 mm
L x W x H	205 x 175 x 78 mm
Weight	1300 g
Rated power	35,500 W
Rated current	15 A
Mains connection	230 V, 50 Hz

Delivery incl. solenoid valve, flow sensor with internal NTC sensor and hose connector (for hose internal Ø 10 mm).

Art. No.	Pack Qty.	DKK	DKK
CKY2.1	1 unit	13.279,15	9.958,90

-25 %



Temperature gauge Pt 100 for AQUASTOP® II

ROTH SELECTION. Material: stainless steel 1.4571.

External temperature gauge Pt 100 with LEMO connector.

Delivery incl. connection cable.

Art. No.	Pack Qty.	DKK	DKK
CKY3.1	1 unit	1.125,75	844,15

Technical specifications:

Art. No.	CKY3.1
Parameters	temperature
Temperature sensor	Pt 100
Temperature measuring range	0 to +250 °C
Sensor: Ø x L	4 x 200 mm
Connection	Lemo
Cable length	2 m



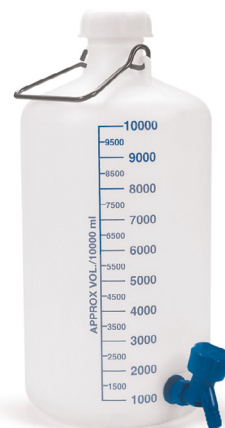
Funnels ROTILABO®

ROTH SELECTION. Material: HDPE.

Natural colours with smooth surface. With lifting eye and 4 ventilation ribs (except Art. No. 0583.1).

Art. No. A828.1 incl. sieve Ø 50 mm, mesh size 0.4 mm.

Ø upper (mm)	Ø outlet (mm)	Height (mm)	Art. No.	Pack Qty.	DKK	DKK
50	3	60	0583.1	1 unit	14,65	10,90
60	8	80	0584.1	1 unit	15,75	11,65
80	11	105	0585.1	1 unit	17,65	12,75
100	12	125	0586.1	1 unit	19,15	13,90
120	12	145	0587.1	1 unit	19,90	14,25
140	15	165	0588.1	1 unit	24,00	17,65
164	17	195	0589.1	1 unit	28,50	21,00
208	20	220	A828.1	1 unit	48,00	35,65



Carboy

Kautex. Material: HDPE.

Natural colours. Available without a tap connector or with a tap connector and faucet.

With a tap connector

Delivery incl. stopcock.

Vol. (l)	Ø (mm)	Height (mm)	Ø inner neck (mm)	Thread	Art. No.	Pack Qty.	DKK	DKK
5	167	330	50	S 65	K980.1	1 unit	460,50	345,00
10	206	427	50	S 65	5645.1	1 unit	496,90	372,40
25	278	580	50	S 65	5646.1	1 unit	864,40	648,00
60	346	823	50	S 65	5651.1	1 unit	1.322,25	991,50

Without a tap connector

Vol. (l)	Ø (mm)	Height (mm)	Ø inner neck (mm)	Thread	Art. No.	Pack Qty.	DKK	DKK
5	167	330	50	S 65	K981.1	1 unit	313,50	234,40
10	206	427	50	S 65	K982.1	1 unit	337,15	252,75
25	278	580	50	S 65	K983.1	1 unit	705,75	528,75
60	346	823	50	S 65	K984.1	1 unit	1.119,00	838,90

S



Centrifuge tubes CELLSTAR®

Greiner Bio-One. Material: PP, HDPE screw cap (blue). **Sterile.**

Conical bottom, blue graduations and white labelling area.

DNase-/RNase- and human DNA-free, non-pyrogenic and non-cytotoxic.

Good thermal, mechanical and chemical stability.

Temperature stable from -50 to +100 °C.

Max. centrifugability:

- 15 ml tube: 4000 x g in swing-out rotor, 15,000 x g in fixed angle rotor
- 50 ml tube: 3200 x g in swing-out rotor, 9000 x g in fixed angle rotor
- 50 ml tube with rim: 2800 x g in swing-out rotor, 11,500 x g in fixed angle rotor

Not a medical device / Not an IVD product.



Transparent, without rim

Vol. (ml)	Sterility	Ø ext. (mm)	Height (mm)	Centrifugability in g (max.)	Packaging type	Pack.	Art. No.	Pack Qty.	DKK	DKK
15	Sterile	17	120	4,000	rack	10 x 50	XH97.1	500 units	935,25	701,25
15	Sterile	17	120	4,000	bag	20 x 50	XH97.2	1,000 units	1.507,90	1.130,65
50	Sterile	29	115	3,200	bag	25 x 20	XH98.1	500 units	841,15	630,40
50	Sterile	29	115	3,200	rack	12 x 25	XH98.2	300 units	728,65	546,00

Transparent, with rim

Vol. (ml)	Sterility	Ø ext. (mm)	Height (mm)	Centrifugability in g (max.)	Packaging type	Pack.	Art. No.	Pack Qty.	DKK	DKK
50	Sterile	29	115	2,800	bag	18 x 25	XH99.1	450 units	984,00	737,65
50	Sterile	29	115	2,800	rack	12 x 25	XH99.2	300 units	765,00	573,00

Light Protection Tubes, brown, without rim

For light-sensitive substances and reactions.

Vol. (ml)	Sterility	Ø ext. (mm)	Height (mm)	Centrifugability in g (max.)	Packaging type	Pack.	Art. No.	Pack Qty.	DKK	DKK
15	Sterile	17	120	4,000	bag	1 x 100	KL46.1	100 units	412,50	309,00
15	Sterile	17	120	4,000	rack	1 x 50	KL46.2	50 units	243,75	182,65
50	Sterile	29	115	3,200	bag	1 x 20	KL47.1	20 units	124,90	93,00
50	Sterile	29	115	3,200	rack	1 x 25	KL47.2	25 units	162,75	121,50



NEW/+

A 121 °C



Silicone covers DURAN®

DWK Life Sciences. Material: silicone. Autoclavable: yes.

For covering and closing vessels with different shapes.

- Samples can be marked easily using different colours and an additional labelling field on the tab
- Easy to clean, dishwasher-safe and reusable, therefore environmentally friendly and economical

Suitable for	Colour	Art. No.	Pack Qty.	DKK	DKK
Ø 132–147 mm	cyan	208L.1	1 unit	49,50	39,40
Ø 102–120 mm	green	208N.1	1 unit	40,90	32,65
Ø 132–147 mm	green	208X.1	1 unit	49,50	39,40
Ø 132–147 mm	pink	208Y.1	1 unit	49,50	39,40
Ø 102–120 mm	cyan	209A.1	1 unit	40,90	32,65
Ø 102–120 mm	pink	209C.1	1 unit	40,90	32,65
Ø 43–61 mm	pink	KNH4.1	1 unit	20,65	16,50
Ø 64–76 mm	pink	KNH5.1	1 unit	25,50	20,25
Ø 84–116 mm	pink	KNH6.1	1 unit	30,40	24,00
Ø 43–61 mm	cyan	KNH7.1	1 unit	20,65	16,50
Ø 64–76 mm	cyan	KNH8.1	1 unit	25,50	20,25
Ø 84–116 mm	cyan	KNH9.1	1 unit	30,40	24,00
Ø 43–61 mm	green	KNK0.1	1 unit	20,65	16,50
Ø 64–76 mm	green	KNK1.1	1 unit	25,50	20,25
Ø 84–116 mm	green	KNK2.1	1 unit	30,40	24,00

Set S/M/L

One silicone lid in each size Ø 43–61 mm, Ø 64–76 mm and Ø 84–116 mm.

Colour	Art. No.	Pack Qty.	DKK	DKK
cyan	KNH2.1	1 set	65,65	52,50
pink	KNH1.1	1 set	65,65	52,50
green	KNH3.1	1 set	65,65	52,50

Set XL/XXL

One silicone lid in each size Ø 102–120 mm and Ø 132–147 mm.

Colour	Art. No.	Pack Qty.	DKK	DKK
cyan	208T.1	1 set	81,00	64,50
pink	208P.1	1 set	81,00	64,50
green	208K.1	1 set	81,00	64,50

A 121 °C

Beaker ROTILABO®

ROTH SELECTION. Material: borosilicate glass 3.3. Autoclavable: yes.

Graduated, with spout (art. no. X685.1, X686.1, X687.1, and X700.1 not graduated).

Acc. to DIN 12331, ISO 3819 (art. no. ACK7.1 not according to DIN).

-25 %



Low form

Vol. (ml)	Ø ext. (mm)	Height (mm)	Standards	Art. No.	Pack Qty.	DKK	DKK
5	22	30	DIN 12331, ISO 3819	X685.1	10 units	202,00	211,15
10	26	35	DIN 12331, ISO 3819	X686.1	10 units	304,15	227,65
25	34	50	DIN 12331, ISO 3819	X687.1	10 units	302,65	226,50
50	42	60	DIN 12331, ISO 3819	X688.1	10 units	255,00	190,90
100	50	70	DIN 12331, ISO 3819	X689.1	10 units	216,75	162,00
150	60	80	DIN 12331, ISO 3819	X690.1	10 units	239,25	178,90
250	70	95	DIN 12331, ISO 3819	X691.1	10 units	276,40	206,65
400	80	110	DIN 12331, ISO 3819	X692.1	10 units	296,65	222,00
600	90	125	DIN 12331, ISO 3819	X693.1	10 units	400,50	304,50
800	100	135	DIN 12331, ISO 3819	X694.1	10 units	487,50	365,25
1,000	105	145	DIN 12331, ISO 3819	X695.1	10 units	520,15	389,65
2,000	130	185	DIN 12331, ISO 3819	X696.2	1 unit	98,25	73,15
3,000	150	210	DIN 12331, ISO 3819	X697.1	1 unit	388,90	291,40
5,000	170	270	DIN 12331, ISO 3819	X698.1	1 unit	496,15	371,65
10,000	217	350	not in acc. with DIN	ACK7.1	1 unit	1.074,40	805,15

High form

Vol. (ml)	Ø ext. (mm)	Height (mm)	Standards	Art. No.	Pack Qty.	DKK	DKK
25	30	55	DIN 12331, ISO 3819	X700.1	10 units	302,65	226,50
50	38	70	DIN 12331, ISO 3819	X701.1	10 units	224,25	168,00
100	48	80	DIN 12331, ISO 3819	X702.1	10 units	235,15	175,90
150	54	95	DIN 12331, ISO 3819	X703.1	10 units	265,50	198,75
250	60	120	DIN 12331, ISO 3819	X704.1	10 units	280,90	210,40
400	70	130	DIN 12331, ISO 3819	X705.1	10 units	324,00	242,65
600	80	150	DIN 12331, ISO 3819	X706.1	10 units	337,90	253,15
800	90	175	DIN 12331, ISO 3819	X707.1	10 units	520,15	389,65
1,000	95	180	DIN 12331, ISO 3819	X708.1	10 units	579,40	433,90
2,000	120	240	DIN 12331, ISO 3819	X709.2	1 unit	103,15	76,90
3,000	135	280	DIN 12331, ISO 3819	X710.2	1 unit	357,40	267,40



NEW / +

Benchtop conductivity meter inoLab® Cond 7110 set 1 WTW.

Ideal for routine measurements in laboratories.

- Large, clear LCD display with all important information at a glance
- Intuitive operation through simple keyboard
- Reproducible measurement results through automatic AutoRead function with automatic recognition of stable measured values
- Easy calibration with adjustable calibration timer

Technical specifications:

Art. No.	205T.1
Type	Cond 7110 set 1
Sensor	TetraCon® 325
Parameters	conductivity, TDS, salinity, temperature
Conductivity measuring range	0 µS/cm to 1000 mS/cm
Conductivity resolution	automatic (0.001 µS/cm – 1 mS/cm)
Conductivity accuracy	±0.5% of the measured value
Calibration points	1 (EC)
TDS measuring range	0 mg/l to 1999 g/l
TDS resolution	1 mg/l
TDS accuracy	±0.5% of the measured value
Salinity measuring range	0 to 70
Salinity resolution	0.1
Salinity accuracy	0.2
Temperature measuring range	-5 to +105 °C
Temperature resolution	0.1 °C
Temperature accuracy	±0.1 °C
Connection	specific (8-pole)
IP rating	43
L x W x H	230 x 190 x 80 mm
Power supply	power supply unit or 4 x 1.5 V AA batteries
Mains connection	100–240 V, 50/60 Hz

Delivery incl. conductivity sensor TetraCon® 325, buffer solution (1413 µS/cm), electrode holder, power supply unit and batteries.

Art. No.	Pack Qty.	DKK	DKK
205T.1	1 unit	11.070,00	9.962,65



NEW / +

Combi hand-held measuring device ProfiLine pH/Cond 3320 Set 2 WTW.

WTW.

For measuring pH, redox, conductivity, TDS, salinity and temperature.

- Robust, waterproof housing
- Backlit graphic display for parallel display of the measured values
- Perfect for monitoring process applications: with memory and data loggers (adjustable interval between 1 s and 60 minutes)
- GLP-supporting data set with date, time, measured values and temperature value
- Waterproof USB interface for easy and fast data transfer
- **Application areas:** process chemistry, life science, food and beverage, pharmaceutical industry (measurement of pH and conductivity according to pharmacopoeia)

Delivery incl. pH single-rod measuring cell SenTix® 41, conductivity sensor TetraCon® 325, buffer solutions (pH 4 / 7, EC 1413 µS/cm), carrying case, software, USB cable and batteries.

Technical specifications:

Art. No.	206H.1
Type	pH/Cond 3320 set 2
Sensor	SenTix® 41 (pH), TetraCon® 325 (EC)
Parameters	pH, redox, conductivity, salinity, TDS, temperature
pH measuring range	-2 to +19
pH resolution	0.001
pH accuracy	±0.005
Voltage measuring range	-2500 to +2500 mV
Voltage resolution	1 mV
Voltage accuracy	±1 mV
Conductivity measuring range	0 µS/cm to 1000 mS/cm
Conductivity resolution	automatic (0.001 µS/cm–1 mS/cm)
Conductivity accuracy	±0.5% of the measured value
Reference temp. conductivity	+20 / +25 °C
TDS measuring range	0 mg/l to 200 g/l
TDS resolution	automatic (1 mg/l–0.1 g/l)
TDS accuracy	±0.5% of the measured value
Salinity measuring range	0 to 70
Salinity resolution	0.1
Salinity accuracy	±0.2 (0–42)
Temperature measuring range	-5 to +105 °C
Temperature resolution	0.1 °C
Temperature accuracy	±0.1 °C
Data memory	200 manual and 5000 automatic data sets
Port	USB-B (PC)
Connection	DIN 19262 (pH), Banana, 2 x 4 mm (°C), specific (8-pole) (EC)
IP rating	67
L x W x H	180 x 80 x 55 mm
Power supply	4 x 1.5 V AA batteries

Art. No.	Pack Qty.	DKK	DKK
206H.1	1 unit	14.193,75	12.720,00



-20%



Benchtop pH meters pH 50 VioLab

Dostmann.

- Large screen with simultaneous display of pH or mV value and temperature
- Automatic or manual temperature compensation
- Automatic calibration
- Saves the current calibration
- Confirmation when a stable measured value is reached

Set

For common aqueous samples.

201T pH single-rod measuring cell with integrated temperature gauge.

pH range: 0 to 14. Operating temperature: 0 to +60 °C, ceramic diaphragms, gel electrolyte, plastic shaft.

Shaft length/Ø: 120/12 mm.

Delivery incl. 201T pH single-rod measuring cell, buffer solutions (pH 4.01 and 7.00, each 50 ml), electrode holder and mains adapter.

Art. No.	Pack Qty.	DKK	DKK
HAE3.1	1 unit	3.395,65	2.644,50

Technical specifications:

Art. No.	HAE3.1
Type	pH 50 VioLab set
Parameters	pH, redox, temperature
pH measuring range	0 to 14
pH resolution	0.01 pH
pH accuracy	±0.01
Voltage measuring range	-1999 to +1999 mV
Voltage resolution	1 mV
Voltage accuracy	±1 mV
Temperature measuring range	0 to +100 °C
Temperature resolution	0.1 °C
Temperature accuracy	±0.5 °C (+5 to +60 °C), ±1 °C (outside)
Temperature sensor	NTC 30 kΩ
Calibration points	1/2/3 (pH)
Calibration memory	current calibration
Data memory	25 measurements
Port	without
Connection	BNC (pH), Cinch (°C)
L x W x H	160 x 190 x 70 mm
Power supply	mains adapter
Mains connection	100–240 V, 50/60 Hz

**-25 %****Test kit water hardness**

ROTH SELECTION.

A 5 ml water sample is added drop by drop as a test reagent until there is a change in colour. Each drop corresponds to 1° dGH.

Warning H290-H319

Delivery incl. sample container.

Verification of	Pack.	Art. No.	Pack Qty.	DKK	DKK
Water hardness	2 x 15 ml	0519.1	1 unit	243,40	182,25

**-25 %****Inside/outside thermometer ROTILABO®**

ROTH SELECTION.

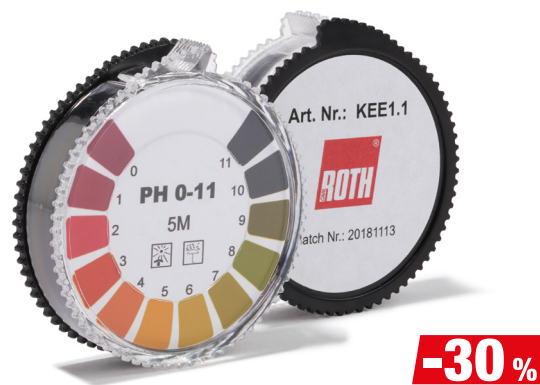
With min./max. function. Outside sensor with approx. 1.5 m cable.

Technical specifications:

Art. No.	YE41.1
Type	ROTILABO®
Parameters	temperature
Temperature measuring range, internal	-10 to +50 °C
Ext. temp. measuring range	-40 to +70 °C
Temperature resolution	0.1 °C
Temperature accuracy	±1.0 °C (0 to +50 °C), ±2 °C (outside)
Min./max. function	yes
Cable length	1.5 m
L x W x H	58 x 12 x 68 mm
Weight	37 g
Power supply	button cell battery CR 2032 (3 V)

Delivery incl. battery.

Art. No.	Pack Qty.	DKK	DKK
YE41.1	1 unit	102,00	76,15

**-30 %****pH indicator paper ROTILABO® Eco**

ROTH SELECTION.

For fast and accurate measurement of the pH value of liquids. pH indicator paper treated with coloured indicator solutions. Dip in the solution being tested, then compare the colour change with the colour scale. Dispenser with notched rim and small tear-off edge for easier handling. By roll, 8 mm width and 5 m length.

Delivery incl. dispenser with indicator paper and colour chart.

PH 1–11

Gradation	Art. No.	Pack Qty.	DKK	DKK
0-1-2-3-4-5-6-7-8-9-10-11	KEE1.1	1 roll	53,25	37,15

PH 1–14

Gradation	Art. No.	Pack Qty.	DKK	DKK
1-2-3-4-5-6-7-8-9-10-12-14	KEE2.1	1 roll	53,25	37,15

PH 0.5–5.5

Gradation	Art. No.	Pack Qty.	DKK	DKK
0.5-1.0-1.5-2.0-2.5-3.0-3.5-4.0-4.5-5.0-5.5	KEE3.1	1 roll	53,25	37,15

PH 5.5–9.0

Gradation	Art. No.	Pack Qty.	DKK	DKK
5.5-6.0-6.5-7.0-7.5-8.0-8.5-9.0	KEE4.1	1 roll	53,25	37,15

PH 6.5–10.0

Gradation	Art. No.	Pack Qty.	DKK	DKK
6.5-7.0-7.5-8.0-8.5-9.0-9.5-10.0	KEE5.1	1 roll	53,25	37,15

PH 9.5–13.0

Gradation	Art. No.	Pack Qty.	DKK	DKK
9.5-10.0-10.5-11.0-11.5-12.0-12.5-13.0	KEE6.1	1 roll	53,25	37,15

**-25 %****Colour-change chalk irreversible**

ROTH SELECTION.

For temperature monitoring by colour change on devices and apparatus. Adhere to paper, rubber, textiles, plastic, glass, iron and steel. Can also be used in processing aluminium, enamel processing and smelting. Colour changes when the temperature is reached within 1–2 seconds.

Temperature (°C)	Temperature accuracy	Art. No.	Pack Qty.	DKK	DKK
120	±5 °C	9307.1	1 unit	175,15	130,90
245	±5 °C	9312.1	1 unit	175,15	130,90
600	±5 °C	9547.1	1 unit	175,15	130,90

**NEW/+**

Thermoshaker RS-TS series

Phoenix Instrument.

Features:

- Quick change of blocks due to magnetic holder
- Automatic block recognition
- With round/circular movement
- TFT display for simultaneous display of target and actual values
- Timer operation: 1 min to 99 h (1 min increments) or continuous operation
- Programmable with 6 programme steps for up to 9 different programmes. Programme parameters: target temperature, process time and shaking frequency

-15%

Technical specifications:

Art. No.	21EC.1	21EE.1
Type	RS-TS 5	RS-TS 10
Operating temperature	from 5 °C above room temperature up to +99.5 °C	from 15 °C below room temperature to +99.5 °C
Accuracy	±0.5 K	
Timer	1 min to 99 h, 59 min / continuous operation	
Shaking frequency	300–1500 rpm	
Shaking amplitude (stroke)	3 mm	
W x D x H	200 x 235 x 120 mm	
Mains connection	200–240 V, 50/60 Hz	

Delivery without interchangeable blocks, please order separately.

Model RS-TS 5

For rapid heating and mixing.

Version	Max. exchange blocks	Art. No.	Pack Qty.	DKK	DKK
Heating	1	21EC.1	1 unit	11.247,40	9.559,90

Model RS-TS 10

For cooling, heating and mixing.

Version	Max. exchange blocks	Art. No.	Pack Qty.	DKK	DKK
Heating and cooling	1	21EE.1	1 unit	15.278,65	12.986,65

NEW/+

Accessories interchangeable block for cooling and heating thermoshaker RS-TS series

Phoenix Instrument.

For reaction vials

Delivery incl. lid.

Pic.	Suitable for	Art. No.	Pack Qty.	DKK	DKK
(1)	24 x 0.5 ml reaction vials	21EH.1	1 unit	1.927,15	1.637,65
(2)	24 x 1.5 ml reaction vials	21EK.1	1 unit	1.927,15	1.637,65
(3)	24 x 2.0 ml reaction vials	21EL.1	1 unit	1.927,15	1.637,65
(4)	8 reaction vials 5 ml (max. 1400 rpm, D 54 mm)	21EN.1	1 unit	1.927,15	1.637,65

For sample tubes

Pic.	Suitable for	Art. No.	Pack Qty.	DKK	DKK
(5)	8 test tubes, bore-Ø 13.5 mm, D 42 mm	21EP.1	1 unit	1.927,15	1.637,65

For centrifuge tubes

Pic.	Suitable for	Art. No.	Pack Qty.	DKK	DKK
(6)	8 x 15 ml centrifuge tubes (Falcon®) (max. 800 rpm)	21ET.1	1 unit	2.088,40	1.774,90
(7)	4 x 50 ml centrifuge tubes (Falcon®) (max. 600 rpm)	21EX.1	1 unit	2.088,40	1.774,90



For PCR plates

Delivery incl. lid.

Pic.	Suitable for	Art. No.	Pack Qty.	DKK	DKK
(8)	96-well PCR plate	21EY.1	1 unit	1.927,15	1.637,65

For microtiter plates

Delivery incl. lid.

Pic.	Suitable for	Art. No.	Pack Qty.	DKK	DKK
(9)	96/384 microtiter plate	21H0.1	1 unit	1.927,15	1.637,65

-15%**NEW / +****Made in Germany**

Multi-position magnetic stirrers MIX 15 eco

2mag.

100% wear- and maintenance-free induction drive for mixing solutions in e.g. suitable for 15 beakers, 250 ml, tall.

- Stainless steel housing
- Digital display for accurate speed adjustment
- Max. 1.5 l stirring volume per stirring position
- Synchronously rotating, jerk-free stirring even at low speeds
- SoftStart for reliable capture/centring and safe acceleration of the stirring rod

Technical specifications:

Art. No.	20AE.1
Type	MIX 15 eco
Number of stirring points	15
Max. stirring capacity (H ₂ O)	1.5 l
Speed range	120 to 1200 rpm
W x D x H, total	245 x 425 x 38 mm
IP rating	65
Mains connection	100–240 V, 50/60 Hz

Art. No.	Pack Qty.	DKK	DKK
20AE.1	1 unit	8.989,90	7.641,00

Magnetic stirrers TWISTER series, can be expanded in a modular design

IKA.

For mixing up to 5 litres. Modular expandable stirring system and additional attachments available.

- By connecting additional TWISTER magnetic stirrers (available as an option), TWISTER can be expanded to become a multi-position magnetic stirrer with up to 30 stirring positions
- The stirring positions can be controlled either separately or simultaneously (leader-follower principle, at least 2 devices required, leader device synchronously controls follower device)
- LED glass display for showing the speed or power required for stirring
- Mixing can be started by pressing a button or by placing a vessel (beaker detection)
- Direction of rotation of the motor can be adjusted by turning to the right or left or using the automatic reverse function
- Protection class IP 66
- In addition, a shaker attachment (vortexer) or multi-position stirring attachment is available for small volumes (please order separately)

Technical specifications:

Art. No.	1T3H.1	1T3K.1	1T3L.1	1T3N.1
Type	TWISTER set 1	TWISTER set 2	TWISTER set 3	TWISTER set 4
Number of stirring points	1	2	3	4
Max. stirring capacity (H ₂ O)	5 l			
Speed range	100 to 3000 rpm			
Hotplate material	glass			
Setting accuracy	100 rpm			
Footprint	124 x 124 mm			
W x D x H, total	135 x 135 x 24 mm			
Mains connection	100–240 V, 50/60 Hz			

-15%

Electronic laboratory stirrers NANOSTAR 7.5 digital IKA.

Space-saving, compact stirrer with processor-controlled speed.

- Digital speed display
- Continuously adjustable speed via rotary knob
- Constant torque over the entire speed range
- Clamping range of chuck 0.5 to 8.2 mm

Technical specifications:

Art. No.	1EH4.1
Type	NANOSTAR 7.5 digital
Max. stirring capacity (H ₂ O)	5 l
Max. viscosity	4,000 mPas
Speed range	50 to 2000 rpm
Speed display	LED
Ø extension arm	13 mm
Extension arm length	160 mm
W x D x H	53 x 130 x 147 mm
Mains connection	100–240 V, 50/60 Hz

Delivery incl. R 300 stirrer shaft protection. Without stirring tool, stand and boss head please order separately - (see stirrer accessories).

Art. No.	Pack Qty.	DKK	DKK
1EH4.1	1 unit	6.832,50	5.807,65

**-15%**

TWISTER set 1

Delivery incl. 1 TWISTER magnetic stirrer, 1 magnetic bar and power supply.

Art. No.	Pack Qty.	DKK	DKK
1T3H.1	1 unit	2.992,50	2.543,65

TWISTER set 2

Delivery incl. 2 TWISTER magnetic stirrers, 2 magnetic bars and power supply.

Art. No.	Pack Qty.	DKK	DKK
1T3K.1	1 unit	5.617,50	4.774,90

TWISTER set 3

Delivery incl. 3 TWISTER magnetic stirrers, 3 magnetic bars and power supply.

Art. No.	Pack Qty.	DKK	DKK
1T3L.1	1 unit	8.242,50	7.006,15

TWISTER set 4

Delivery incl. 4 TWISTER magnetic stirrers, 4 magnetic bars and power supply.

Art. No.	Pack Qty.	DKK	DKK
1T3N.1	1 unit	10.867,50	9.237,40



Wide mouth jars

ROTH SELECTION. Material: glass from hydrolytic class 3.

For sampling, packaging and storing solids, pastes or non-aggressive liquids.

Wide mouth opening makes filling and cleaning easy. Round thread according to DIN 168.

Delivery incl. anti-spill PP closure with LDPE seal.

Clear glass

Vol. (ml)	Ø ext. (mm)	Height (mm)	Thread	Art. No.	Pack Qty.	DKK	DKK
30	36	68	GL 32	KAY3.2	126 units	1.241,65	931,15
50	44	75	GL 32	KCY6.1	85 units	756,75	567,00
125	54	98	GL 40	AYC3.1	80 units	1.077,75	807,75
250	70	113	GL 55	AYC4.1	48 units	1.000,90	750,00
500	84	154	GL 55	AYC5.1	20 units	666,75	499,90
1,000	103.5	180.5	GL 68	AYC6.1	18 units	957,00	717,40

Brown glass

Vol. (ml)	Ø ext. (mm)	Height (mm)	Thread	Art. No.	Pack Qty.	DKK	DKK
30	36	68	GL 32	KAY4.1	126 units	1.241,65	931,15
50	44	75	GL 32	KCY7.1	85 units	864,00	647,65
125	54	98	GL 40	AYC7.1	84 units	1.338,40	1.003,50
250	70	113	GL 55	AYC8.2	30 units	666,75	499,90
500	84	154	GL 55	AYC9.1	20 units	666,75	499,90
1,000	103.5	180.5	GL 68	AYE0.1	12 units	809,25	606,40



A 121 °C



Screw top bottle ROTILABO® clear glass

ROTH SELECTION. Material: borosilicate glass 3.3. Autoclavable: yes.

Acc. to 4796-1. Graduated, with DIN thread.

Delivery incl. screw cap and PP pouring ring.

Vol. (ml)	Ø ext. (mm)	Height (mm)	Thread	Art. No.	Pack Qty.	DKK	DKK
50	46	91	GL 32	ANP4.1	10 units	510,00	382,15
100	56	105	GL 45	X712.1	10 units	391,50	293,25
250	70	143	GL 45	X713.1	10 units	456,75	342,00
500	86	182	GL 45	X714.1	10 units	518,65	388,50
1,000	101	230	GL 45	X715.1	10 units	829,50	621,40
2,000	136	265	GL 45	X716.1	10 units	1.620,75	1.215,40
5,000	186	355	GL 45	Y682.1	1 unit	922,90	691,50
10,000	234	435	GL 45	Y683.1	1 unit	1.935,00	1.451,25
20,000	299	505	GL 45	TK83.1	1 unit	2.563,90	1.922,65



-20 %

NEW / +

Two-component embedding medium

KLEIBERIT.

High-temperature-resistant two-component investment material with an inorganic base, cold- or heat-curing. Good adhesion to metal, glass, ceramic and porcelain. Temperature stable up to +950 °C. Resistant to many solvents, acids, oil and water. High electrical resistance when warm. **Alternative to Thermoguss 2000.**

For embedding:

- Heating elements
- Resistance wires
- Temperature gauges

Directions for use

Components A (powder) and B (liquid) are mixed in a ratio of 2:1 by weight. Curing takes place after approx. 24 hours at room temperature.

KLEIBERIT® 884.3 component A (powder)

⚠ ⚠ Warning H302+H312+H332-H373

Packaging type	Art. No.	Pack Qty.	DKK	DKK
Can	20YP.1	2 kg	1.209,00	966,40

KLEIBERIT® 884.4 component B (liquid)

⚠ Warning H315-H319

Packaging type	Art. No.	Pack Qty.	DKK	DKK
Bottle	20YT.1	1 kg	644,25	514,90



-25 %

Disposable wipes ROTIZELL® T

ROTH SELECTION. Material: paper.

Quality household paper, 2-ply, white. Very absorbent and soft.

Ply	Colour	Length (cm)	Width (cm)	Packaging type	Art. No.	Pack Qty.	DKK	DKK
2-ply	white	23	22.5	roll	0264.2	32 units	502,90	376,90

**NEW / +**

Refrigerator, explosion-proof Performance SRFfg series

With explosion-proof interior acc. to EU Directive 2014/34/EU ("ATEX Directive"). Classification of the interior according to <Ex> II 3 G Ex ec IIC T6 (declared as zone 22) for flammable substances in closed containers which could form explosive atmospheres.

Type	Art. No.	Pack Qty.	DKK	DKK
SRFfg 3501	20E6.1	1 unit	18.455,25	14.763,75
SRFfg 4001	20E7.1	1 unit	19.100,25	15.279,75
SRFfg 5501	20E8.1	1 unit	22.809,00	18.246,75

-20 %

General information for all models:

- Digital temperature display (resolution 0.1 °C)
- With convection cooling
- Temperature constancy ± 3.0 K
- Operation via three keys, self-explanatory/language-supported menu flow, nine languages available
- Memory for min./max. temperatures, recording duration 999 h or 42 d. With the option to reset the time and min./max. temperature for a new recording (after checking the temperatures)

Technical specifications:

Art. No.	20E6.1	20E7.1	20E8.1
Type	SRFfg 3501	SRFfg 4001	SRFfg 5501
Cooling capacity	261 l	298 l	441 l
Refrigeration temperature from	+3 °C		
Refrigeration temperature up to	+16 °C		
Number of bases	4	5	
Additional data	bases made of glass		
Outer width	597 mm		747 mm
Outer depth	654 mm		769 mm
Outer height	1,684 mm	1,884 mm	1,684 mm
Inner width	460 mm		600 mm
Inner depth	537 mm	422 mm	537 mm
Inner height	1,460 mm	1,660 mm	1,460 mm
Thawing method	automatic		
Energy consumption (24 h)	1.110 kWh	1.280 kWh	1.141 kWh
Mains connection	220–240 V, 50 Hz		

-20 %**NEW / +**

Deep freezer Performance SFFsg series

General information for all models:

- Digital temperature display
Resolution: 0.1 °C (to -19.9 °C) or 1 °C (from -20 °C)
- With static cooling
- Temperature constancy ± 5.0 K
- Operation via three keys, self-explanatory/language-supported menu flow, nine languages available
- Memory for min./max. temperatures, recording duration 999 h or 42 d. With the option to reset the time and min/max temperature for a new recording (after checking the temperatures)

Type	Art. No.	Pack Qty.	DKK	DKK
SFFsg 4001	20H2.1	1 unit	20.632,15	16.505,25
SFFsg 5501	20H3.1	1 unit	24.340,90	19.472,25



Technical specifications:

Art. No.	20H2.1	20H3.1
Type	SFFsg 4001	SFFsg 5501
Cooling capacity	242 l	394 l
Freezing temperature from	-9 °C	
Freezing temperature up to	-30 °C	
Number of grates	5	
Outer width	597 mm	747 mm
Outer depth	654 mm	769 mm
Outer height	1,884 mm	1,684 mm
Inner width	403 mm	588 mm
Inner depth	408 mm	523 mm
Inner height	1,588 mm	1,388 mm
Thawing method	manual	
Energy consumption (24 h)	1.281 kWh	1.274 kWh
Mains connection	220–240 V, 50 Hz	



Conductivity tester DC 400 digital

stakpure.

Suitable for ion exchangers DS 1500 to DS 4000. Conductivity measuring range 0.1 to 300 $\mu\text{S}/\text{cm}$ (automatic switchover at 9.99).

For the online measurement of pure and ultrapure water downstream of ion exchanger cartridges and for monitoring closed-loop systems.

For wall mounting.

- Large two-colour backlit graphic display for digitally displaying the conductivity in $\mu\text{S}/\text{cm}$ or in $\text{M}\Omega \times \text{cm}$ and the temperature in $^{\circ}\text{C}$
- Continuous adjustment of the limit values for temperature (from 10 to 40 $^{\circ}\text{C}$) and conductivity (from 0.1 to 30 $\mu\text{S}/\text{cm}$)
- Signals for exceeded limits for temperature and conductivity: LED display green/red + buzzer (both limit values can be deactivated)
- Signals for fault message: display switch-over green/red
- Automatic comparison before each measurement using an integrated reference resistor and temperature measurement using platinum temperature sensor
- Automatic voltage switching for international use

Technical specifications:

Art. No.	KCH1.1
Type	DC 400
Conductivity measuring range from	0.1 $\mu\text{S}/\text{cm}$
Conductivity measuring range up to	300 $\mu\text{S}/\text{cm}$
Temperature measuring range from	0.1 $^{\circ}\text{C}$
Temperature measuring range up to	99.9 $^{\circ}\text{C}$
Temp. compensation	automatic
Width	73 mm
Depth	32 mm
Height	141 mm
Connection	$\frac{3}{4}"$
Protection class	IP 54
Mains connection	110/230 V, 50/60 Hz



-20%

Delivery incl. connecting cable, plug-in power supply, measuring cell and tube set consisting of 2 x 1.5 m tubes with $\text{R } \frac{3}{4}"$ -connections and wall mount.

Art. No.	Pack Qty.	DKK	DKK
KCH1.1	1 unit	5.321,25	4.257,00



Delivery without conductivity tester (art. no. KCH2.1, analogue or art. no. KCH1.1, digital), please order separately.

Type	Art. No.	Pack Qty.	DKK	DKK
DS 1500	KCE3.1	1 unit	5.498,65	4.398,75
DS 2000	KCE4.1	1 unit	6.119,65	4.895,25
DS 2800	KCE5.1	1 unit	7.183,90	5.746,90
DS 4000	KCE6.1	1 unit	9.667,15	7.733,25

Ion exchanger cartridge DS series

stakpure. Material: stainless steel AISI 316.

Pressure-resistant (up to 10 bar) stainless steel ion exchanger cartridges made of stainless steel, can be connected directly to the mains water.

For the production of demineralised water. Suitable for supplying ultra-pure water systems, analysis machines, dishwashers and autoclaves, or for industrial use with process water, battery water and cooling water. Acc. to standards such as ASTM, CLSI, DIN EN 285, VDE 0510.

Note: capacity data apply for feed water with a total salt content of 10° dH; with a higher salt content or higher amounts of carbonic and silicic acid in the water, the capacity reduces.

Technical specifications:

Art. No.	KCE3.1	KCE4.1	KCE5.1	KCE6.1
Type	DS 1500	DS 2000	DS 2800	DS 4000
Cartridge filling	mixed bed resin, regenerative			
Capacity	1,500 l	2,000 l	2,800 l	4,000 l
Flow rate	300 l/h		950 l/h	1,000 l/h
Clean water quality	0.1-20 $\mu\text{S}/\text{cm}$			
Ø	240 mm			
Height	410 mm	490 mm	570 mm	700 mm
Weight	14 kg	18 kg	24 kg	27 kg
Max. operating pressure	10 bar			
Max. water temperature	30 $^{\circ}\text{C}$			
Connection	$\text{R } \frac{3}{4}"$			

NEW / +**Office chair Eco model**

ROTH SELECTION.

According to DIN 68877.

- Continuously variable seat height adjustment
- Backrest can be adjusted in height and inclination
- With release lever and safety gas spring
- Load-responsive braked double castors, are locked when there is no load
- Rollers suitable for hard and soft floor surfaces
- Base Ø: 630 mm
- Max. load: 110 kg

PU foam

Material: PU (seat and backrest), plastic base.

Version	Colour	Seat height (mm)	Art. No.	Pack Qty.	DKK	DKK
Glides	black	440 to 630	1YCL.1	1 unit	2.386,50	1.909,15
Rollers	black	470 to 660	1YCN.1	1 unit	2.467,15	1.973,65

**-20 %****PP**

Material: PP (seat), plastic base.

Version	Colour	Seat height (mm)	Max. load (kg)	Art. No.	Pack Qty.	DKK	DKK
Glides	black	600 to 860	120	CXA4.1	1 unit	2.539,90	2.031,75

Stackable stool

ROTH SELECTION.

- Seat Ø 350 mm
- Ready to hand and can be stacked to save space
- Max. load: 120 kg

PU foam

Material: PU (seat), tubular steel frame.

Colour	Frame colour	Seat height (mm)	SeatØ (mm)	Max. load (kg)	Art. No.	Pack Qty.	DKK	DKK
black	black	500 to 500	350	120	CXA8.1	1 unit	1.088,65	870,75
black	light grey	500 to 500	350	120	CXA9.1	1 unit	1.088,65	870,75
black	black	580 to 580	350	120	CXC1.1	1 unit	1.088,65	870,75
black	light grey	580 to 580	350	120	CXC2.1	1 unit	1.088,65	870,75

Beech

Material: wood (seat), tubular steel frame.

Colour	Frame colour	Seat height (mm)	SeatØ (mm)	Max. load (kg)	Art. No.	Pack Qty.	DKK	DKK
natural	light grey	500 to 500	350	120	CXC0.1	1 unit	879,00	702,75
natural	light grey	580 to 580	350	120	CXC3.1	1 unit	879,00	702,75

Laboratory stool Labster

bimos. Material: imitation leather (seat).

GMP-compatible and suitable for use in cleanrooms, ideal for laboratories with safety classes S1 to S3.

- High level of seating comfort through Skai artificial leather and soft upholstery
- Fully washable and can be disinfected
- Seamless design concept
- Mechanics and soft-cover lining with control panel
- Adjustable seat height with ring-release gas elevation
- Extra-large seat surface with Ø 380 mm
- Compact design, small space requirement
- Load-dependent limited dual casters for hard floor surfaces
- Max. load: 120 kg

Version	Colour	Seat height (mm)	SeatØ (mm)	Max. load (kg)	Suitable for clean-rooms	Art. No.	Pack Qty.	DKK	DKK
Rollers	black	450 to 650	380	120	yes	HHC5.1	1 unit	2.451,00	1.960,50
Rollers	grey	450 to 650	380	120	yes	HHC6.1	1 unit	2.451,00	1.960,50
Rollers	red	450 to 650	380	120	yes	HHC7.1	1 unit	2.451,00	1.960,50
Rollers	mint green	450 to 650	380	120	yes	HHC8.1	1 unit	2.451,00	1.960,50

-20 %**Beech**

Material: wood (seat and backrest), plastic base.

Version	Colour	Seat height (mm)	Art. No.	Pack Qty.	DKK	DKK
Glides	natural	420 to 610	1YCP.1	1 unit	1.612,50	1.290,00
Rollers	natural	450 to 640	1YCT.1	1 unit	1.693,15	1.354,50

Stools/standing supports with ring base

ROTH SELECTION.

Flexible use as a standing support or stool possible: tilt the seat forwards to stand, set it straight to sit on it.

- Continuously variable seat height adjustment by means of gas spring
- Large seat area, width 370 mm
- Front/back seat angle adjustment: 7.5°
- High backrest for upright seating
- With ring base
- Max. load: 120 kg

PU foam

Material: PU (seat), plastic base.

Version	Colour	Seat height (mm)	Max. load (kg)	Art. No.	Pack Qty.	DKK	DKK
Glides	blue	600 to 860	120	CXA3.1	1 unit	2.814,00	2.250,75

-20 %**-20 %**



-20%

Shelf trolley

ROTH SELECTION. Material: stainless steel 18/10.

With welded-in shelves, load-bearing capacity per shelf 40 kg.

Four castors with wall deflectors, including two with wheel brakes.

No protruding edges or screws, thereby largely preventing accidents and making it easy to clean. Anti-static tyres.

Number of bases	Platform (mm)	Art. No.	Pack Qty.	DKK	DKK
2	800 x 500	0033.1	1 unit	3.426,75	2.741,25
3	800 x 500	A206.1	1 unit	3.757,15	3.005,65
4	800 x 500	Y497.1	1 unit	5.579,25	4.463,25

Technical specifications:

Art. No.	0033.1	A206.1	Y497.1
Length	895 mm		
Width	595 mm		
Height	949 mm		1,264 mm
Level distance	591 mm	278 mm	
Roller Ø	125 mm		
Load capacity	80 kg	120 kg	150 kg
Weight	15.63 kg	19.1 kg	23.62 kg

-20 %**Aluminium foil ROTILABO®**ROTH SELECTION. Material: aluminium (aluminium content $\geq 99\%$).

For covering, wrapping, insulating.

Delivery incl. cutter box.

Film thickness (μm)	Width (mm)	Length (m)	Art. No.	Pack Qty.	DKK	DKK
12	295	150	1399.1	1 unit	262,15	209,65
15	300	150	AA76.1	1 unit	290,65	232,15
15	450	150	AA77.1	1 unit	399,40	319,15
16	300	100	1770.1	1 unit	254,25	202,90
18	440	150	1502.1	1 unit	540,00	431,65
20	450	150	0954.1	1 unit	628,50	502,50
30	500	100	2596.1	1 unit	637,15	509,25

Refill rolls

Delivery without cutter box.

Film thickness (μm)	Width (mm)	Length (m)	Art. No.	Pack Qty.	DKK	DKK
13	300	20	0192.1	6 units	270,40	216,00
16	300	100	1770.2	4 units	997,50	797,65

-25 %**A 121 °C****Sterilisation basket ROTILABO®**

ROTH SELECTION. Material: stainless steel 18/10 (material 1.4301), electrolytically polished. Autoclavable: yes.

With lid attached.

Outer length (mm)	Outer width (mm)	Outer height (mm)	Art. No.	Pack Qty.	DKK	DKK
180	180	90	EPA3.1	1 unit	705,40	528,40
250	130	60	EPA4.1	1 unit	949,50	711,75

NEW / +**-25 %****Sealing film Seal-R-Film™**

BRAND.

For temporarily sealing beakers, flasks and other vessels.

- Material thickness: $0.14 \pm 0.02 \text{ mm}$
- Elasticity (25 °C): 300%
- Tear strength (25 °C): 1.5 MPa
- Melting temperature: $>65 \text{ °C}$ (151 °F)
- Boiling point: $>288 \text{ °C}$ (550 °F)
- Continuous service temperature: -20 to $+46 \text{ °C}$
- Toxicity: non-toxic

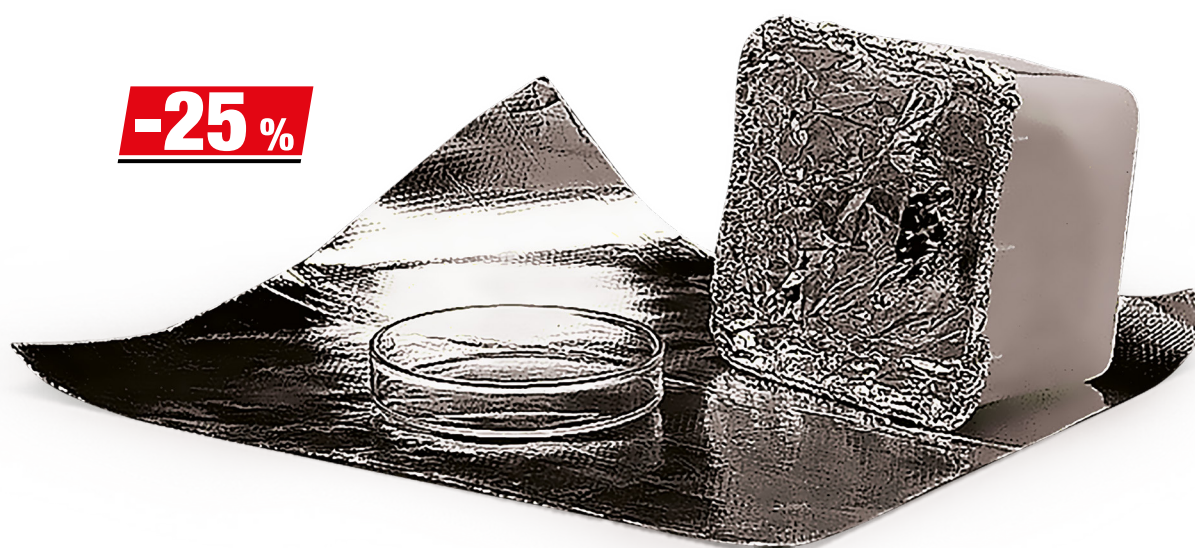
The sealing film can be stretched to three times its original length. This means that Seal-R-film™ always fits, even with irregular shapes. Traceability through batch identification per roll.

Gas permeability:

- CO_2 (carbon dioxide) $<1000 \text{ cm}^3/\text{m}^2$
- O_2 (oxygen) $<350 \text{ cm}^3/\text{m}^2$
- Water vapour permeability $<0.8 \text{ g}/\text{m}^2$
(in 24 hours at room temperature and a pressure of 0.1 MPa)



Film thickness (μm)	Width (mm)	Length (m)	Art. No.	Pack Qty.	DKK	DKK
140	500	15	1YN8.1	1 unit	876,75	657,00
140	100	75	1YN9.1	1 unit	707,25	529,90
140	50	75	1YNA.1	1 unit	367,15	274,90
140	100	38	KKY7.1	1 unit	381,40	285,75



NEW / +

Aluminium foil ROTILABO® sheets

ROTH SELECTION. Material: aluminium (aluminium content $\geq 99\%$).

Delivery incl. box, with tissue paper intermediate layer.

Film thickness (μm)	Width (mm)	Length (mm)	Art. No.	Pack Qty.	DKK	DKK
25	177	245	5473.1	1,000 units	909,75	682,15
25	235	290	5474.1	1,000 units	1.298,25	973,50
30	80	80	226T.1	1,000 units	499,90	374,65
30	100	100	226X.1	1,000 units	645,00	483,75
30	140	140	226Y.1	1,000 units	946,90	713,25
30	150	150	2271.1	1,000 units	1.096,50	822,40



-20 %

Dishwasher cleaner neodisher® LaboClean A8

Dr. Weigert.

Alkaline intensive cleanser (powder) with extraordinary cleaning power and high soil carrying capacity. **Surfactant-free.** For mechanical cleaning. Removes blood, serum, food residues, pharmaceuticals, colours, paint, gelatine and other organic residues. Not suitable for aluminium and light metal alloys.

Technical specifications:

Art. No.	N330.1	N330.2	N330.3
Intended purpose	for laboratory dishwashers		
Delivery form	powder		
pH range	alkaline		
Ingredients	phosphates, disodium metasilicate, sodium hydroxide, sodium carbonate and dichloroisocyanurate		
Free from tensides	yes		

Danger H290-H314-H335-H411

Not a medical device / Not an IVD product.

Art. No.	Pack Qty.	DKK	DKK
N330.1	1 kg	132,75	105,75
N330.2	10 kg	915,40	732,00
N330.3	25 kg	2.185,15	1.747,90



-20 %

Dishwasher cleaner neodisher® LaboClean FLA

Dr. Weigert.

Alkaline intensive cleanser (liquid) with extraordinary cleaning power and high soil carrying capacity. **Free of surfactants, chlorine, phosphorous compounds and oxidising agents.** For mechanical cleaning. Removes stubborn, oil-based residues and other organic dirt. Reduced efficiency with hard water. Not suitable for aluminium and light metal alloys.

Technical specifications:

Art. No.	N333.1	N333.2	N333.3
Intended purpose	for laboratory dishwashers		
Delivery form	concentrated liquid		
pH range	alkaline		
Ingredients	polycarboxylate, potassium hydroxide, sodium nitrilotriacetate		
Free from chlorine	yes		
Phosphate-free	yes		
Free from oxidising agents	yes		
Free from tensides	yes		

Danger H290-H302-H314

Not a medical device / Not an IVD product.

Art. No.	Pack Qty.	DKK	DKK
N333.1	5 l	511,50	408,75
N333.2	10 l	951,00	760,50
N333.3	25 kg	1.701,40	1.360,90



-20 %

Dishwasher cleaner neodisher® N

Dr. Weigert.

Acidic neutralising and cleaning agent (liquid). Surfactant-free. For mechanical cleaning of laboratory glass and surgical instruments. Ideal for neutralising carried over alkaline residue in first rinsing or for acidic pre-cleaning. Removes limescale and other acid-soluble residue. Easy to rinse. Not suitable for anodised aluminium, non-ferrous metals and acidsensitive plastics.

Technical specifications:

Art. No.	N335.1	N335.2	N335.3	N335.4
Intended purpose	for laboratory dishwashers			
Delivery form	concentrated liquid			
pH range	acidic			
Ingredients	phosphoric acid			
Free from tensides	yes			
CE marking	yes			

Danger H290-H314

Medical device class I MDD.

Art. No.	Pack Qty.	DKK	DKK
N335.1	1 l	206,25	164,25
N335.2	5 l	849,40	679,15
N335.3	12 kg	1.298,25	1.038,40
N335.4	25 kg	2.515,50	2.012,25



-20 %

Dishwasher cleaner neodisher® Z

Dr. Weigert.

Acidic neutralising and cleaning agent (liquid). Free of surfactants, phosphates and nitrogen. For mechanical cleaning of laboratory glass and surgical instruments. Ideal for neutralising carried over alkaline residue in first rinsing or for acidic pre-cleaning. Removes limescale and other acid-soluble residue. Especially gentle on materials. Not suitable for anodised aluminium and non-ferrous metals.

Technical specifications:

Art. No.	N336.1	N336.2
Intended purpose	for laboratory dishwashers	
Delivery form	concentrated liquid	
pH range	acidic	
Ingredients	citric acid	
Phosphate-free	yes	
Free from tensides	yes	
CE marking	yes	

Warning H317-H319-H412

Medical device class I MDD.

Art. No.	Pack Qty.	DKK	DKK
N336.1	1 l	146,65	116,65
N336.2	5 l	614,25	490,90

**NEW / +**

Ultrasonic cleaning unit Elmasonic EASY

Elma. Material: stainless steel.

For simple cleaning tasks and sample preparation in laboratories.

- Continuous **dynamic-mode** provides intensive cleaning with higher cleaning power
- The **eco-mode** can be switched on to enable gentler cleaning with quieter operation
- Brief operation adjustable between 1 and 30 minutes and adjustable continuous operation (max. 6 hours)
- Electronic selector switches on membrane keyboard and LED display of all operating states
- Splash-proof housing (IP 20)

-15%

Delivery incl. lid. Without basket. Please order separately.

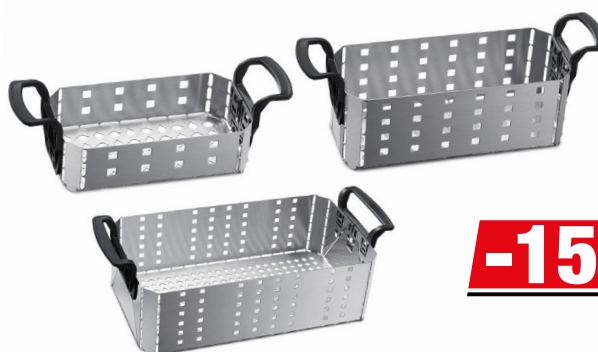
Without heater

Type	Vol. (l)	Outer length (mm)	Outer width (mm)	Outer height (mm)	Art. No.	Pack Qty.	DKK	DKK
EASY 10	0.9	235	135	200	21XE.1	1 unit	2.459,25	2.089,90
EASY 20	1.6	215	190	230	21XH.1	1 unit	2.943,00	2.501,25
EASY 30	2.7	305	190	230	21XK.1	1 unit	3.386,25	2.878,15

With heater

- Temperature control adjustable in increments of 5 °C from 30–80 °C
- Automatic switch-off of ultrasonic operation or when the bath temperature reaches 90 °C

Type	Vol. (l)	Outer length (mm)	Outer width (mm)	Outer height (mm)	Art. No.	Pack Qty.	DKK	DKK
EASY 10H	0.9	235	135	200	21XL.1	1 unit	2.983,15	2.535,40
EASY 20H	1.6	215	190	230	21XN.1	1 unit	3.547,50	3.015,40
EASY 30H	2.7	305	190	230	21XP.1	1 unit	3.789,40	3.220,90
EASY 40H	3.9	305	190	280	21XT.1	1 unit	5.603,25	4.762,90
EASY 60H	5.9	370	225	280	21XX.1	1 unit	6.530,65	5.550,75
EASY 100H	9.5	380	315	280	21XY.1	1 unit	7.820,65	6.647,25
EASY 120H	12.9	380	315	330	21Y0.1	1 unit	10.158,75	8.634,75
EASY 180H	17.8	405	375	330	21Y1.1	1 unit	11.045,65	9.388,50
EASY 300H	27.5	575	375	330	21Y2.1	1 unit	13.867,50	11.787,40

**NEW / +**

Accessories basket for Elmasonic S, SELECT, P and EASY ultrasonic cleaning units

Elma. Material: stainless steel.

Modular basket with openings in the side walls and the base for mounting brackets.

-15%

Suitable for	Inner length (mm)	Inner width (mm)	Inner height (mm)	Art. No.	Pack Qty.	DKK	DKK
EASY 10(H)	155	70	35	222H.1	1 unit	363,00	308,25
EASY 20(H)	110	105	50	222K.1	1 unit	383,25	325,15
EASY 30(H), Select 30, P 30H	195	105	50	222L.1	1 unit	403,15	342,40
EASY 40H, Select 40	195	105	95	222N.1	1 unit	467,65	397,50
EASY 60H, Select 60, P 60H	255	105	95	222P.1	1 unit	564,40	479,65
EASY 100H, Select 100	250	195	80	222T.1	1 unit	1.209,40	1.027,90
EASY 120H, Select 120, P120H	250	195	135	222X.1	1 unit	1.209,40	1.027,90
Select 150	450	255	55	222Y.1	1 unit	1.572,00	1.336,15
EASY 180H, Select 180, P 180H	280	255	135	2231.1	1 unit	1.410,75	1.199,25
EASY 300H, Select 300, P 300H	450	255	135	2232.1	1 unit	1.572,00	1.336,15

Safety glasses SILEX+

Bollé.

Acc. to **EN 166, EN 170, EN 172** (dark lens).

UV protective lenses made of polycarbonate with the Bollé platinum coating inside and outside. Arms made of polycarbonate/TPR.

- Wraparound frame for a comfortable fit
- Extremely flexible arms 160°
- Panoramic field of vision, no annoying edges
- Without metal parts
- Ideal for long periods of wear
- Weight 30 g



Pic.	Lens colour	Frame colour	Lens design	Art. No.	Pack Qty.	DKK	DKK
(1)	colourless	dark green/green	clear, UV protection, anti-scratch, anti-fog, chemical-resistant	1HP2.1	1 unit	86,25	68,65
(2)	grey	black/green	tinted glass, slightly dark, UV protection, anti-scratch, anti-fog, chemical-resistant	1HP3.1	1 unit	91,50	72,75

CSP

The additional CSP coating is suitable for all activities where light alternates between strong and weak.

Pic.	Frame colour	Lens design	Art. No.	Pack Qty.	DKK	DKK
(3)	grey/black	UV protection, anti-scratch, anti-fog, chemical-resistant	1HP1.1	1 unit	91,50	72,75

NEW / +

Dispensers for ear plugs HL400 AM

Honeywell Safety.

- Antimicrobial protected dispenser
- Suitable for mounting on the wall or table (fastening).
- Universal mounting hole layout – fits on existing holes of other dispensers
- Durable, recyclable plastic container can be refilled again and again
- Fill the empty container with a refill bag (Y868.1)
- Simple rotary knob with 180° accessibility – facilitates removal of the earplugs
- Compatible with all Howard Leight™ disposable earplugs



Delivery incl. mounting hardware and 400 pairs of Bilson disposable earplugs 303L.

Manufacturer no.	Art. No.	Pack Qty.	DKK	DKK
1006203	21L9.1	1 unit	1.071,40	696,00

Disposable ear plugs Bilson 303L

Howard Leight by Honeywell.

Acc. to EN 352-2. Made of highly insulating, dermatologically tested PU-foamed material (PVC-free). Conical shape for optimum fit in ear canal. Nominal size: 5–12 mm. Weight approx. 0.5 g.

Technical specifications:

Art. No.	Y868.1
H value	32 db
M value	29 db
L value	29 db
SNR value	33 db

-30 %



Refill pack for wall-mounted dispenser

SNR value (db)	Art. No.	Pack Qty.	DKK	DKK
33	Y868.1	200 pair	375,00	262,15



-30%



NEW/+

Cat. I

Face visor Op-d-op II

Op-d-op. Material: ABS.

Acc. to EN 166.

- Ultralight and comfortable
- Adjustable at the touch of a button
- Wide air opening for maximum ventilation
- Tinted mini shield protects against glare from above
- Compatible with safety glasses, medical face masks and FFP masks
- Protection against chemical splashes
- Ideal for use in the laboratory

Delivery incl. 1 headpiece, 3 face shields, 1 mini shield.

Colour	Lens design	Art. No.	Pack Qty.	DKK	DKK
white	clear	21H6.1	1 unit	598,90	418,90
blue	clear	21H7.1	1 unit	598,90	418,90
mint green	clear	21H8.1	1 unit	598,90	418,90
violet	clear	21H9.1	1 unit	598,90	418,90
pink	clear	21HA.1	1 unit	598,90	418,90



-30%

Cat. I

Face visor Polysoft

Op-d-op. Material: ABS.

Ultra-lightweight, made of ABS. Flexible, anti-fog, can also be worn over respiratory masks and glasses. With forehead padding and fastening cord. Headpiece adapts to the wearer using body heat. Smallest head circumference approx. 440 mm.

Delivery incl. headgear with cord, 3 face visors and 1 mini visor.

Colour	Lens design	Art. No.	Pack Qty.	DKK	DKK
white	clear	C346.1	1 unit	480,00	335,65
blue	clear	C347.1	1 unit	480,00	335,65
neon yellow	clear	C348.1	1 unit	480,00	335,65
neon pink	clear	C349.1	1 unit	480,00	335,65

NEW/+

-30%

Replacement part

Op-d-op.

For Polysoft and Op-d-op II face visors

Material: ABS.

Version	Lens design	Art. No.	Pack Qty.	DKK	DKK
Face shield	clear	21H3.1	12 units	679,50	471,00

For Polysoft face visor

Version	Lens design	Art. No.	Pack Qty.	DKK	DKK
Mini shield	clear	21H2.1	6 units	160,50	111,75

For Op-d-op II face visor

Version	Lens design	Art. No.	Pack Qty.	DKK	DKK
Mini shield	tinted	21H4.1	6 units	282,00	196,90
Foam bumper		21H5.1	12 units	225,75	157,90



-20 %

Cat. III



Chemical protection gloves Camatril® 730

KCL by Honeywell. Material: nitrile rubber.

Acc. to EN 420, EN ISO 374-1/type A (JKLOPT), EN ISO 374-5, EN 388 (3001X). AQL 0.65. Acc. to EU 1935/2004 approved for food processing.

- High chemical resistance, in particular to oils, fats, solvents and fuels
- Good flexibility, anatomical form and optimal fit guarantee high dexterity
- Cotton flock lining for optimal wear comfort
- Napped surface
- Thickness approx. 0.4 mm
- Length 300–320 mm

Length (mm)	Size	Colour	Art. No.	Pack Qty.	DKK	DKK
310	7	green	Y452.1	2 pair	84,75	67,50
310	8	green	Y453.1	2 pair	84,75	67,50
310	9	green	Y454.1	2 pair	84,75	67,50
310	10	green	Y455.1	2 pair	84,75	67,50
310	11	green	Y456.1	2 pair	84,75	67,50



-30 %

NEW / +

Single-use socks wiroCOSYFEET

WIROS. Mixed fabric: 80% cotton, 17% nylon, 3% elastane.

- Good fit thanks to elastic cuffs
- Quick and easy to put on
- Comfortable to wear
- Seamless all-round knit, toe ends stitched down
- One size fits all 9 x 44 cm

Colour	Art. No.	Pack Qty.	DKK	DKK
white	1Y1Y.1	100 units	928,15	229,15



-20 %



NEW / +

FFP2 fold-flat mask Respima

Meditrade.

Acc. to EN 149:2001+A1:2009.

- Particulate-filtering fold-flat mask without exhalation valve
- High wearing comfort
- High-quality, multi-layer non-woven fabric
- Elastic ear loops made from skin-friendly material (without natural latex)
- Sturdy and flexible nose bracket for a more reliable seal
- Highly compatible with safety spectacles
- Hygienic, as masks are individually packed

Technical specifications:

Art. No.	1YN5.1
Protection level	FFP2 NR
Exhalation valve	no
Standards	EN 149:2001+A1:2009

Protection level	Pack.	Art. No.	Pack Qty.	DKK	DKK
FFP2 NR	individual	1YN5.1	20 units	95,25	75,75



-30 %

Lip protection and care Physiaderm® FROST & SUN LIP BALM

Physiaderm.

Protects and cares for lips in cold, windy and dry air conditions and protects against natural UV radiation. Suitable for chapped, cracked and dry lips.

- Protects against UVA and UVB rays
- With sun protection factor 30
- With beeswax, bisabolol, vitamin E and high-quality shea butter
- Easy to apply
- Greasing and colourless after application
- Does not contain mineral oil or silicone

Technical specifications:

Art. No.	1T0H.1
Protection recommendation for	cold and frost, UV radiation
Formulation	mineral oil-free, paraben-free (does not contain any preservatives), silicone-free

Pack.	Art. No.	Pack Qty.	DKK	DKK
Lip balm	1T0H.1	25 units	495,49	346,15



-33%



Cat. III



Overalls TYVEK® 500 Xpert

DuPont Personal Protection. Material: TYVEK® 500 (PE spunbond).
Type 5 and 6 acc. to the European standards for chemical protection clothing. Special PE spunbond with excellent wearing comfort.
Overalls with hood, and elastic at face, arm, leg and waist, zip cover.

- Lint-free, suitable for clean-room classes ISO 7/8 (C/D acc. to GMP)
- Wear- and tear-resistant
- Lightweight and flexible
- Excellent protection against chemical splashes, aerosols and particles (>1 µm)
- Weight approx. 41 g/m², thickness 130 µm
- Antistatic acc. to EN 1149-1

Size	Body size (cm)	Colour	Thickness (µm)	Art. No.	Pack Qty.	DKK	DKK
S	162–170	white	130	AK17.1	1 unit	120,40	80,25
M	168–176	white	130	AK18.1	1 unit	120,40	80,25
L	174–182	white	130	AK19.1	1 unit	120,40	80,25
XL	180–188	white	130	AK20.1	1 unit	120,40	80,25
XXL	186–194	white	130	AK21.1	1 unit	120,40	80,25
XXXL	186–194	white	130	1HHA.1	1 unit	120,40	80,25

Applications:

- Handling solid hazardous substances
- Laboratory work
- Food industry
- Pharmaceutical industry
- Agriculture
- Police investigations
- Decontamination work
- Pest and weed control
- Agrochemicals
- Clean-room
- Nuclear power plants

EcoPack

Size	Body size (cm)	Colour	Thickness (µm)	Art. No.	Pack Qty.	DKK	DKK
M	168–176	white	130	1HHC.1	25 units	2.217,40	1.485,40
L	174–182	white	130	1HHE.1	25 units	2.217,40	1.485,40
XL	180–188	white	130	1HHH.1	25 units	2.217,40	1.485,40
XXL	186–194	white	130	1HHK.1	25 units	2.217,40	1.485,40



-10 %

Disposal canisters electrically conductive

Bürkle. Material: HDPE, electrically conductive.

Surface resistance <10⁹ ohm.

- With carrying handle and screw cap
- Stackable
- With UN approval
- Closure size DIN 61

Vol. (l)	L x W x H (mm)	UN approval	Art. No.	Pack Qty.	DKK	DKK
10	300 x 200 x 258	3H1/Y1.5/200	HNC6.1	1 unit	314,65	282,75
20	300 x 200 x 495	3H1/Y1.5/150	HNC7.1	1 unit	408,40	367,15
30	364 x 240 x 455	3H1/Y1.5/150	HNC8.1	1 unit	487,50	438,40



-10 %

Safety funnels for a plastic canister

Rötzmeier. Material: stainless steel, unpolished. Seal made of Alveocel (polyolefin foam).

Can be screwed onto plastic canisters. With lid, overfill protection, flame arrester and earth connection.

- The flame arrester, which reaches far into the container (approx. 150 mm long), prevents the ingress of sparks and can be unscrewed for cleaning or replacement.
- For conductive containers, earthing is realised by the thread (direct contact); an additional earth connection is provided for other containers.
- The flap lid reduces the emission of volatile, harmful vapours and needs to be closed manually.

Delivery without sieve insert, please order separately.

High form

Height above thread: 125 mm.

Thread	Ø outer upper (mm)	Art. No.	Pack Qty.	DKK	DKK
DIN 50	140	ATA6.1	1 unit	1.475,65	1.327,90
DIN 51	140	1CCK.1	1 unit	1.475,65	1.327,90
DIN 61	140	ATA7.1	1 unit	1.475,65	1.327,90



-15 %

Chemical sorbent pads laboratory emergency kit

3M.

For quickly and effectively containing and absorbing almost all liquids containing harmful substances.

Delivery incl. 10 chemical sorbent pads, one industrial sorbent pad, one disposal bag.

Manufacturer no.	Intake capacity (l)	Art. No.	Pack Qty.	DKK	DKK
SK 5	5	AKX3.1	1 unit	579,00	491,65



-30 %

Chemical and oil binder UNI-SAFE

Öko-Tec Umweltschutzsysteme.

All-in-one binder!

Polymer-based all-purpose chemical and oil binding agent. Suitable for absorbing and containing liquids such as acids, alkalis, oils, fuels, brake fluid, etc., as well as battery acid, coolant, oil-water mixtures, paints and lacquers. Also safe to use with strongly oxidising media, such as fuming nitric acid and peroxides.

- High absorption capacity
- No hazardous reactions
- Dam-forming

Absorption capacity of aqueous media of up to 1:75.

Oil binder type III/R (suitable for road surfaces), 1 kg binds 0.56 l of fuel oil.

Applications

Laboratories, chemical and commercial businesses, transportation of hazardous goods, emergency vehicles, etc.

Pack.	Art. No.	Pack Qty.	DKK	DKK
Laboratory pack	EEA8.1	500 g	321,75	224,65
Tub with handle	EEA8.3	1,750 g	600,75	420,40
Buckets	EEA8.2	5 kg	1.178,65	824,65

UNI-SAFE Plus

Fine granulate with reduced dust formation.

Pack.	Art. No.	Pack Qty.	DKK	DKK
Laboratory pack	EYY5.1	450 g	346,15	241,90
Tub with handle	EYY5.3	1,500 g	628,90	440,25
Buckets	EYY5.2	5 kg	1.266,00	885,75



①

-25 %


②

A 121 °C

Disposal bags SEKUROKA®

Carl ROTH. Autoclavable: yes.

Designed for hygienic disposal of contaminated laboratory articles.

Seal bag loosely during sterilisation!

(1) PP, 50 µm

Material: PP. For steam sterilisation at up to +134 °C.

Total volume (l)	Filling capacity (l)	W x L (mm)	Wall thickness (µm)	Art. No.	Pack Qty.	DKK	DKK
8	6	300 x 500	50	0384.1	500 units	750,75	562,50
38	22	400 x 780	50	L371.1	500 units	1.378,90	1.033,90
60	32	600 x 800	50	0385.1	500 units	1.531,90	1.148,65
60	32	600 x 800	50	0385.2	100 units	411,00	307,90
110	72	700 x 1100	50	L372.1	350 units	1.709,25	1.281,75
110	72	700 x 1100	50	L372.2	75 units	479,65	359,65

(1) PP, extra strong 100 µm

Material: PP. For steam sterilisation at up to +134 °C.

Total volume (l)	Filling capacity (l)	W x L (mm)	Wall thickness (µm)	Art. No.	Pack Qty.	DKK	DKK
60	32	600 x 800	100	XP67.1	125 units	1.422,40	1.066,15
110	72	700 x 1100	100	XP68.1	75 units	1.222,50	916,50

(2) Biohazard PP, 50 µm

Material: PP. For steam sterilisation at up to +134 °C.

With printed **Biohazard symbol** and adhesive sterilisation indicator patch. Safety imprint in German, English and French.

With extra strong bottom seam.

Total volume (l)	Filling capacity (l)	W x L (mm)	Wall thickness (µm)	Art. No.	Pack Qty.	DKK	DKK
8	6	300 x 500	50	ATY2.1	100 units	394,90	295,90
38	22	400 x 780	50	ATY3.1	100 units	641,25	480,40
60	32	600 x 800	50	ATY4.1	100 units	793,90	594,75
110	72	700 x 1100	50	ATY5.1	100 units	1.370,65	1.027,90



-20%

Glove bag SEKUROKA®

ROTH SELECTION. Material: PE.

With integrated gloves. For carrying out work in environments free of air or moisture.

Handling: glove bags are fed through the opening with the working utensils, closed using a clip and filled with inert gas through the gas connector. Plastic coupling for gas connector, closing clips and inner gloves are also included.

With one opening for filling

With one hose connection for 1936.1 and K352.1, two hose connections for K353.1

L x W x H (mm)	Opening (mm)	Art. No.	Pack Qty.	DKK	DKK
420 x 420 x 280	275	1936.1	1 unit	725,65	580,50
690 x 690 x 380	565	K352.1	1 unit	1.048,15	838,50
940 x 940 x 640	860	K353.1	1 unit	1.209,49	967,50

With two openings for filling

With two hose connections.

L x W x H (mm)	Opening (mm)	Art. No.	Pack Qty.	DKK	DKK
490 x 490 x 290	2 x 300	1937.1	1 unit	879,00	702,75

UV PCR chamber

Cleaver Scientific.

- This chamber offers a practical area for making PCR preparations in a decontaminated environment which is free from nucleic acid
- The powerful UV light denatures nucleic acid in 5-30 min.
- Efficient decontamination of the entire working area
- The duration of UV radiation can be set via a timer
- The white light ensures outstanding visibility while working
- Safety functions prevent users from being exposed to the UV light
- Safety switches on the doors automatically switch off the UV light when the chamber is opened
- Lighting: 4 x 15 W UV light tubes and 1 x 15 W white light lamp
- The chamber walls are impermeable to UV light and protect against β radiation, meaning that it is also suitable for work with ^{32}P and other β rays
- Can be used with protection trays and a protection tray insert (680 x 540 mm)

Technical specifications:

Art. No.	1H29.1	1H28.1	1H27.1
W x D x H, total	580 x 350 x 450 mm	580 x 420 x 620 mm	580 x 420 x 770 mm
W x D x H, interior	530 x 320 x 270 mm	530 x 390 x 425 mm	530 x 390 x 600 mm
Weight	12 kg	14.6 kg	19 kg
Mains connection	230 V		



Version	Art. No.	Pack Qty.	DKK	DKK
Mini	1H29.1	1 unit	16.963,50	14.418,75
Midi	1H28.1	1 unit	17.600,65	14.960,25
Maxi	1H27.1	1 unit	19.229,25	16.344,40



-20%

Peristaltic pump ROTH Cyclo II

ROTH SELECTION.

For all applications in the laboratory and analytics and biotechnology applications.

- Pump head (Ø 62 mm) can be rotated 90°
- Easy cleaning thanks to easily removable pump head
- Simple to use with two rotary knobs:
 - Continuous speed adjustment from 0–100%
 - Reversible direction of rotation (clockwise/counterclockwise)
- Hose with a wall thickness of 1.6 mm can be used
- Variable hose contact pressure
- Easy hose replacement in seconds
- Temperature and current limiting for maximum reliability
- Stackable

With 3-roller pump head

Version	Art. No.	Pack Qty.	DKK	DKK
1-channel	Y374.1	1 unit	12.819,40	10.255,50
2-channel	EP75.1	1 unit	17.028,00	13.622,25

Technical specifications:

Art. No.	Y374.1	EP75.1	EP74.1	EP76.1
Pump type	1-channel	2-channel	1-channel	2-channel
Pump head	3 rollers	6 rollers	6 rollers	6 rollers
Delivery rate	12–240 ml/min	9.6–192 ml/min	9.6–192 ml/min	9.6–192 ml/min
Max. pressure	1 bar			
Motor power	10 W			
L x W x H	131 x 134 x 190 mm			
Weight	1.6 kg			
Mains connection	100–230 V			

Optional accessory (please order separately):
hose cassettes for different hose Ø.

Delivery incl. hose cassette for hose with inner Ø of 4.8 mm and wall thickness of 1.6 mm. Without pump hoses, please order separately.

With 6-roller pump head

For lower pulsation.

Version	Art. No.	Pack Qty.	DKK	DKK
1-channel	EP74.1	1 unit	15.060,75	12.048,40
2-channel	EP76.1	1 unit	18.584,25	14.867,25



Cat. III



Disposable gloves ROTIPROTECT® -Nitril green

Carl ROTH. Material: nitrile rubber without vulcanisation accelerators. Non-sterile.

Acc. to EN 420, EN ISO 374-1/type B (KPT) and EN ISO 374-5 (virus), ASTM-F 1671-97. AQL 1.5.

Acc. to 1935/2004 – suitable for contact with foodstuffs.

-35 %

- Textured finger tips for better grip during wet or dry use
- Easy to put on thanks to special inner coating
- Non-powdered
- Accelerator-free, reduced risk of allergic skin reactions
- Can be worn on either hand
- Rolled edge
- Wall thickness: approx. 0.06 mm
- 200 or 180 per dispenser box

The perfect alternative to latex gloves. An extremely thin nitrile glove with outstanding elasticity and maximum wearing comfort thanks to specially developed formulation and innovative production technology. **Skin-friendly formula:** free from latex proteins, manufactured without vulcanisation accelerators or chlorine.

Environmentally friendly manufacturing: water- and energy saving, reduced CO₂ emissions.

Size	Length (mm)	Colour	Art. No.	Pack Qty.	DKK	DKK
S (6-7)	≥240	mint green	HXX1.1	200 units	187,15	121,15
M (7-8)	≥240	mint green	HXX2.1	200 units	187,15	121,15
L (8-9)	≥240	mint green	HXX3.1	200 units	187,15	121,15
XL (9-10)	≥240	mint green	HXX4.1	180 units	187,15	121,15
With 10 boxes of each size						111,75/box

Cat. III



-35 %

Disposable gloves ROTIPROTECT® -Nitril light

Carl ROTH. Material: nitrile rubber. Non-sterile.

Acc. to EN 420, EN ISO 374-1/type B (KPT) and EN ISO 374-5 (virus), ASTM-F 1671-97. AQL 1.5.

Acc. to 1935/2004 – suitable for contact with foodstuffs.

- Textured fingers for secure grip
- Extra thin and elastic for maximum wearing comfort
- High tactile sensitivity
- Non-powdered
- Can be worn on both hands
- Free from phthalates/plasticisers and allergenic latex proteins
- Beaded cuff
- Thickness: approx. 0.07 mm
- 200 or 180 per dispenser box

The perfect alternative to latex gloves. An extremely thin nitrile glove with outstanding elasticity and maximum wearing comfort thanks to a specially developed formulation and innovative production technology.



Size	Length (mm)	Colour	Art. No.	Pack Qty.	DKK	DKK
XS (5-6)	≥240	blue	EYK7.1	200 units	185,65	120,40
S (6-7)	≥240	blue	AYA6.1	200 units	185,65	120,40
M (7-8)	≥240	blue	AYA7.1	200 units	185,65	120,40
L (8-9)	≥240	blue	AYA8.1	200 units	185,65	120,40
XL (9-10)	≥240	blue	AYA9.1	180 units	185,65	120,40
With 10 boxes of each size						111,00/box

FRISENETTE



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