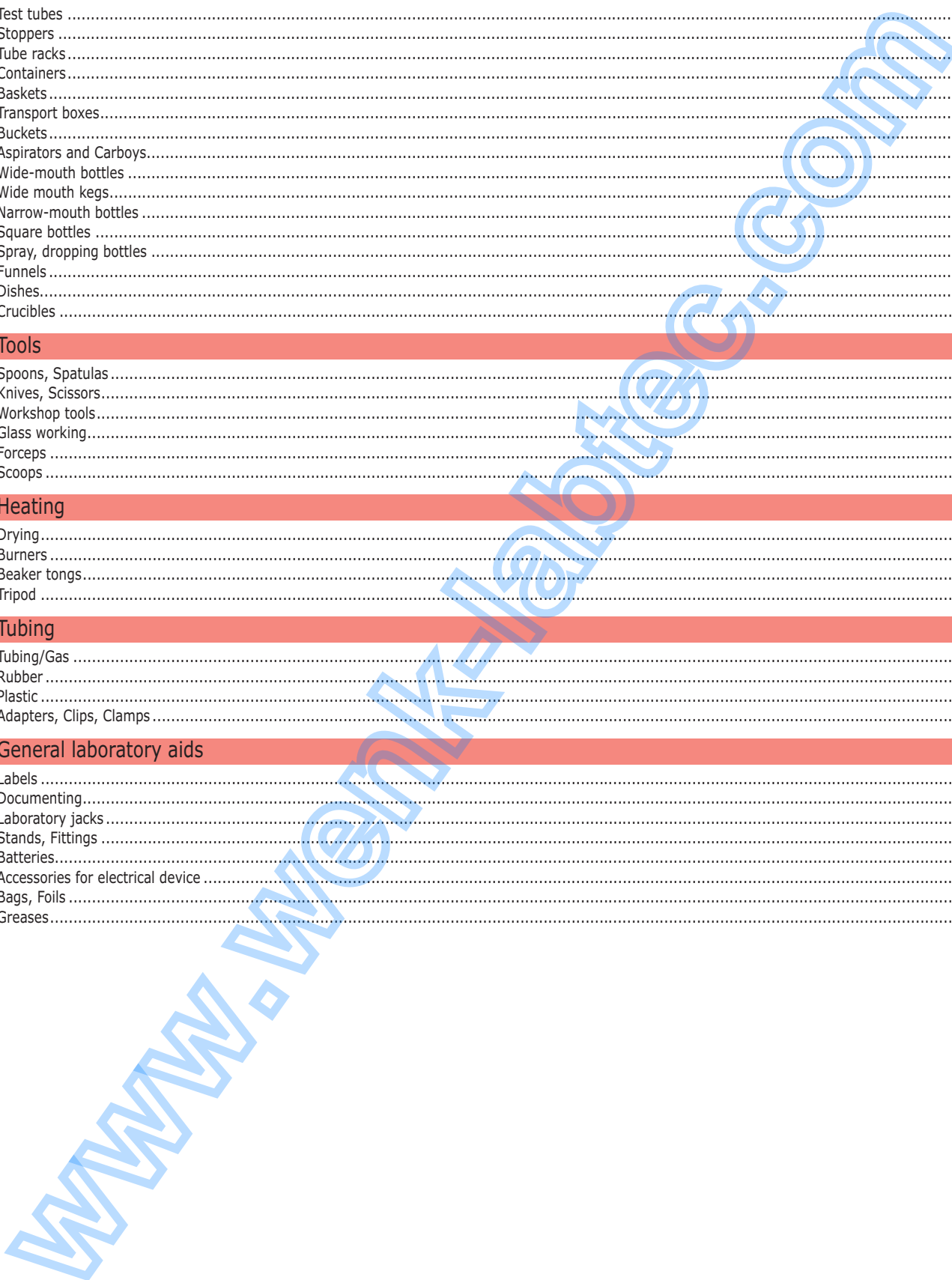


1. General laboratory consumables

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DURAN® YOUTILITY

DESIGNED FOR YOU



- Uniquely shaped bottle for optimised handling
- Redesigned screw cap for easier lab work
- Simple colour personalisation



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 **DURAN GROUP**
magic of precision

1. General laboratory consumables

Vessels/Beakers

1 Beakers, Borosilicate glass 3.3, low form



DIN 12 331. ISO 3819. With approximate graduations and spout.

Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
5	22	30	10	9.013 905
10	26	35	10	9.013 906
25	34	50	10	9.013 900
50	42	60	10	9.013 901
100	50	70	10	9.013 902
150	60	80	10	9.013 903
250	70	95	10	9.013 904
400	80	110	10	9.013 910
600	90	125	10	9.013 911
800	100	135	10	9.013 912
1000	105	145	10	9.013 913
2000	130	185	4	9.013 914
3000	150	210	4	9.013 915
5000	170	270	2	9.013 916



2 Beakers, Borosilicate glass 3.3, tall form



DIN 12 331. ISO 3819. With approximate graduations and spout.

Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
25	30	55	10	9.013 924
50	38	70	10	9.013 925
100	48	80	10	9.013 920
150	54	95	10	9.013 921
250	60	120	10	9.013 922
400	70	130	10	9.013 923
600	80	150	10	9.013 930
800	90	175	10	9.013 931
1000	95	180	10	9.013 932
2000	120	240	6	9.013 933
3000	135	280	6	9.013 934



3 Beakers, DURAN®, low form

With approximate graduations and spout. DIN 12331. ISO 3819. With easy-to-read scale and large labelling field for easy marking. In fired-on, highly durable white ceramic. *DURAN Group*
 Due to the uniformly wall thickness, it is suitable for use as a heating vessel. Glass Type I/neutral as per USP, EP and JP.
 With retrace code (Batch Identification, for all) except 5ml, 10ml and 25ml. Certificate available via the Internet.
 Autoclavable.

Capacity ml	Diam. mm	Height mm	PK	Cat. No.
5*	22	30	1	9.013 007
10*	26	35	1	9.013 008
25	34	50	1	9.013 014
50	42	60	1	9.013 017
100	50	70	1	9.013 024
150	60	80	1	9.013 029
250	70	95	1	9.013 036
400	80	110	1	9.013 041
600	90	125	1	9.013 048
800	100	135	1	9.013 053
1000	105	145	1	9.013 054
2000	132	185	1	9.013 063
3000	152	210	1	9.013 068
5000	170	270	1	9.013 073
10000**	217	350	1	9.013 086

* Without graduations.

** Not to DIN and ISO.



4 Beakers Super Duty, DURAN®, low form

With approximate graduations and spout. Reinforced, sturdy rim and increased mechanical strength for heavy duty. Glass Type I/neutral glass as per USP, EP and JP. *DURAN Group*
 With retrace code (Batch Identification). Certificate available via the Internet. Autoclavable.

Capacity ml	Diam. mm	Height mm	PK	Cat. No.
150	60	80	1	9.051 150
250	70	95	1	9.051 151
400	80	110	1	9.051 152
600	90	125	1	9.051 153
1000	105	145	1	9.051 154
2000	132	185	1	9.051 155
5000	170	270	1	9.051 156



Vessels/Beakers



1 Beakers, DURAN®, tall form

DIN 12331. ISO 3819. With approximate graduations and spout. With easy-to-read scale and large labelling field for easy marking, in fired-on, highly durable white ceramic. Due to the uniformly wall thickness, it is suitable for use as a heating vessel. Glass Type I/neutral glass as per USP, EP and JP. With retrace code (Batch Identification). Certificate available via the Internet. Autoclavable.

DURAN Group

Capacity ml	Diam. mm	Height mm	PK	Cat. No.
50	38	70	1	9.013 117
100	48	80	1	9.013 124
150	54	95	1	9.013 129
250	60	120	1	9.013 136
400	70	130	1	9.013 141
600	80	150	1	9.013 148
800	90	175	1	9.013 153
1000	95	180	1	9.013 154
2000	120	240	1	9.013 163
3000	135	280	1	9.013 168



2 Filter beaker, DURAN®

Heavy wall. With spout. Glass type I/neutral glass as per USP, EP and JP. Autoclavable.

DURAN Group

Capacity ml	Diam. mm	Height mm	Description	PK	Cat. No.
250	70	94	with graduations	1	9.051 036
500	89	124	with graduations	1	9.051 044
1000	105	160	with graduations	1	9.051 054
2000	135	195	with graduations	1	9.051 063
3000	157	205	with graduations	1	9.051 068
5000	182	256	with graduations	1	9.051 073
10000	225	340	without graduations	1	9.051 086
15000	260	390	without graduations	1	9.051 088
20000	285	430	without graduations	1	9.051 091



3 Beakers, Pyrex®, low form

NEW!

Scilabware

- Complies with ISO 3819 and DIN 12331
- Manufactured from Pyrex® borosilicate glass
- Excellent thermal performance
- High resistance to chemical attack
- White graduations and marking spot

Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
25	34	50	10	9.014 003
50	42	60	10	9.014 001
100	50	70	10	6.238 860
150	60	80	10	9.014 002
250	70	95	10	6.254 004
400	80	110	10	9.014 004
600	90	125	10	6.258 182
1000	105	145	10	9.014 005



4 Beakers, low form, heavy duty, Pyrex®

NEW!

Scilabware

- Mechanically stronger than standard beakers
- Designed for longer life and increased user safety
- Reinforced rims and spout, less prone to breakage during washing etc.
- Thicker walls and heavier bases
- Manufactured from Pyrex® borosilicate glass
- White graduations and marking spot

Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
250	68	90	12	6.230 404
400	77	110	12	6.230 405
600	90	124	6	6.235 736
1000	108	156	6	6.252 670

1. General laboratory consumables

Vessels/Beakers

1 Beakers, tall form, Pyrex® NEW!

- Complies with ISO 3819 and DIN 12331
- Manufactured from Pyrex® borosilicate glass
- Tall form with spout
- White graduations and marking spot



Capacity	Ext. diam.	Height	PK	Cat. No.
ml	mm	mm		
100	48	80	10	6.254 003
150	54	95	10	6.254 389
250	60	120	10	9.014 006
400	70	130	10	6.251 689
600	80	150	10	6.205 753



2 Beakers, 18/10 steel

With rim and spout. Flat bottom for good contact with hotplates and magnetic stirrers.

Bochem

Capacity	Diam.	Height	PK	Cat. No.
ml	mm	mm		
100	50	60	1	9.013 610
250	65	85	1	9.013 611
500	80	110	1	9.013 612
1000	100	130	1	9.013 613
2000	120	180	1	9.013 614
3000	150	180	1	9.013 615
5000	180	210	1	9.013 616



3 Measuring jugs with handle, 18/10 steel

Graduated 200 ml. Heavy duty. With spout and handle.

Bochem

Capacity	Diam.	Height	PK	Cat. No.
ml	mm	mm		
1000	100	140	1	9.275 850
2000	130	170	1	9.275 852



4 LLG-Griffin beakers, PP NEW!

According to ISO 7056. Printed blue graduations.

Capacity	Grad.	Diam.	Height	PK	Cat. No.
ml	ml	mm	mm		
25	5	32	47	2	9.013 670
50	10	39	60	2	9.013 671
100	10	50	70	2	9.013 672
250	25	67	93	2	9.013 673
500	50	88	119	2	9.013 674
1000	50	109	147	2	9.013 675
2000	100	133	184	1	9.013 676



5 Griffin beakers, PP

Highly transparent. With easily readable, blue printed scale. To preserve markings, cleaning at no higher than 60°C is recommended. Food-safe product according to EC Directive No. 10/2011.

VITLAB

Material	Capacity	Grad.	Diam.	Height	PK	Cat. No.
	ml	ml	mm	mm		
PP*	10**	2	30	36	1	9.013 208
PP	25**	5	38	50	1	9.013 220
PP	50**	10	47	60	1	9.013 228
PP	100	10	55	70	1	9.013 238
PP*	150	20	66	80	1	9.013 244
PP	250	25	77	95	1	9.013 248
PP*	400	50	87	112	1	9.013 209
PP	500	50	94	118	1	9.013 254
PP*	600	50	100	127	1	9.013 256
PP	1000	100	120	147	1	9.013 262
PP	2000	200	149	187	1	9.013 264
PP	3000	250	170	212	1	9.013 266
PP	5000	500	203	247	1	9.013 270



* Supplementary to ISO 7056
 **blue printed scale, not raised

➔ Beaker made of PTFE - please see page 1110.

Vessels/Measuring jugs



1 Griffin beakers PMP

Crystal clear. With easily readable, printed red scale.
To preserve markings, cleaning at no higher than 60°C is recommended.

VITLAB

Material	Capacity	Grad.	Diam.	Height	PK	Cat. No.
	ml	ml	mm	mm		
PMP*	10	2	30	36	1	9.013 315
PMP	25	5	38	50	1	9.013 320
PMP	50	10	47	60	1	9.013 328
PMP	100	10	55	70	1	9.013 338
PMP*	150	20	66	80	1	9.013 344
PMP	250	25	77	95	1	9.013 348
PMP*	400	50	87	112	1	9.013 350
PMP	500	50	94	118	1	9.013 354
PMP*	600	50	100	127	1	9.013 356
PMP	1000	100	120	147	1	9.013 362
PMP	2000	200	149	187	1	9.013 364
PMP	3000	250	170	212	1	9.013 366
PMP	5000	500	203	247	1	9.013 370

* Supplementary to ISO 7056



2 LLG-measuring jugs, PP

According to ISO 7056. Printed blue graduations. Stackable.



Capacity	Grad.	Diam.	Height	PK	Cat. No.
ml	ml	mm	mm		
250	5	75	115	2	9.013 680
500	10	100	137	2	9.013 681
1000	10	125	167	2	9.013 682
2000	20	148	217	1	9.013 683
3000	25	170	244	1	9.013 684



3 4 Graduated jugs, PP, moulded graduations

Highly transparent.

With a raised scale and stable, easy-grip handle.

Autoclavable at 121°C (2 bar) according to DIN EN 285.

Food-safe (suitable for contact with foodstuff in accordance with Regulation (EC) No. 10/2011).

To preserve markings, do not clean at temperatures exceeding 60°C. Conditionally autoclavable at 121°C (2 bar) according to DIN EN 285. For autoclaving, we recommend the design with raised graduations.

VITLAB

Capacity	Grad.	Diam.	Height	Graduations	PK	Cat. No.
ml	ml	mm	mm			
50	2	40	70	transparent	1	7.008 977
100	2	50	80	transparent	1	7.008 978
250	5	70	120	transparent	1	7.008 967
500	10	91	133	transparent	1	7.008 969
1000	20	116	170	transparent	1	7.008 971
2000	50	150	215	transparent	1	7.008 973
3000	50	170	242	transparent	1	7.008 975
5000	100	210	270	transparent	1	7.008 976
50	2	40	70	blue	1	9.275 772
100	2	50	80	blue	1	9.275 773
250	5	70	120	blue	1	9.275 748
500	10	91	133	blue	1	9.275 775
1000	10	116	170	blue	1	9.275 776
2000	20	150	215	blue	1	9.275 777
3000	50	170	242	blue	1	9.275 778
5000	100	210	270	blue	1	9.275 779



5 Graduated jugs, PP, black graduations

Stackable. Highly transparent.

With easily readable, printed black scale on both sides and stable handle.

The volume is thus easy to read for either hand. To preserve markings, do not clean at temperatures exceeding 60°C.

For autoclaving we recommend the design with raised graduations (cat. nos. 7.008 967 and 7.008 978).

Food-safe (suitable for contact with foodstuff in accordance with Regulation EC No. 10/2011).

VITLAB

Capacity	Grad.	Diam.	Height	PK	Cat. No.
ml	ml	mm	mm		
250	5	75	115	1	9.275 738
500	10	100	140	1	9.275 740
1000	10	125	167	1	9.275 742
2000	20	148	212	1	9.275 744
3000	50	170	242	1	9.275 746

1. General laboratory consumables

Vessels/Measuring jugs

1 Graduated jugs, SAN, moulded graduations

Crystal clear.
 With a raised scale and stable, easy-grip handle.
 Food-safe (suitable for contact with foodstuff in accordance with Regulation (EC) No. 10/2011).

VITLAB



Capacity	Grad.	Diam.	Height	PK	Cat. No.
ml	ml	mm	mm		
250	5	70	120	1	7.008 966
500	10	91	133	1	7.008 968
1000	10	116	170	1	7.008 970
2000	20	150	215	1	7.008 972
3000	50	170	242	1	7.008 974

2 Conical measures, PP, graduated

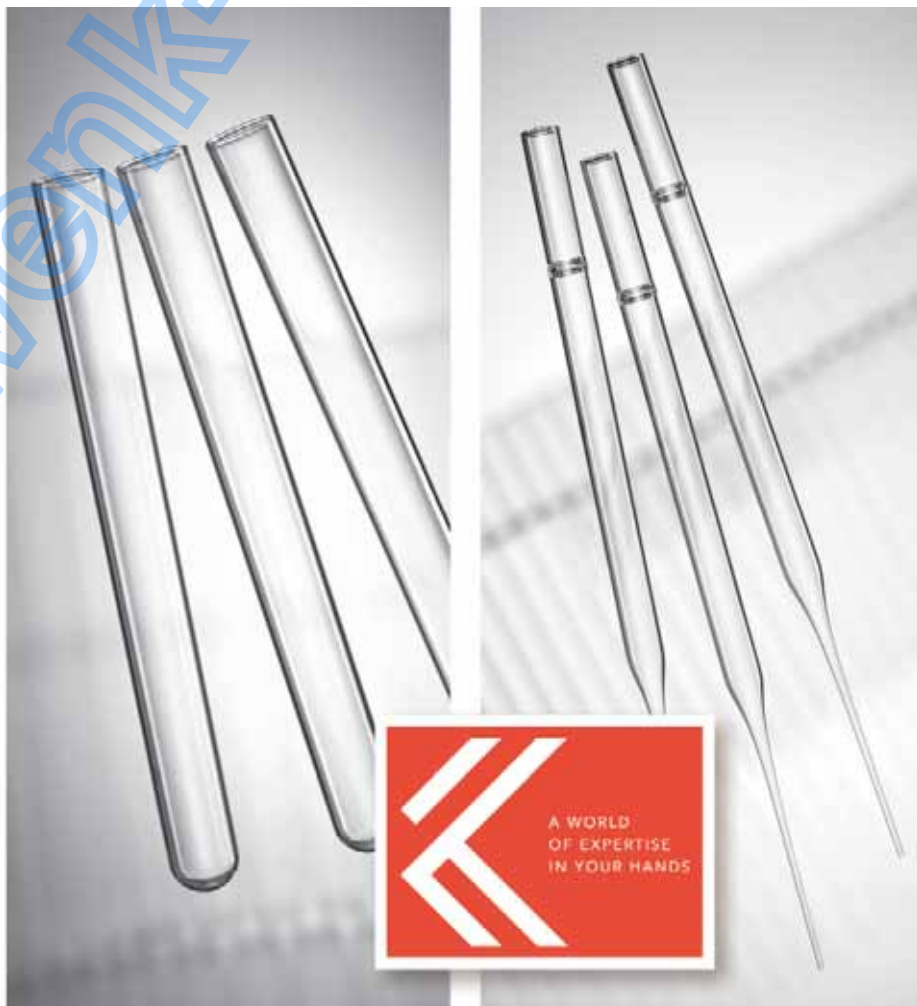
Graduated. Can withstand temperatures up to 120°C. With wide base for stability.

Kartell

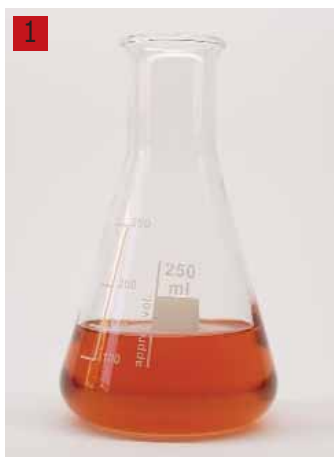


Capacity	Grad.	Height	PK	Cat. No.
ml	ml	mm		
100	2	118	1	9.013 773
250	5	164	1	9.013 774
500	10	183	1	9.013 775
1000	20	263	1	9.013 776

Kimble Laboratory
 Glassware
 Kimble Laborglas



Vessels/Flasks



1 Erlenmeyer flasks, Borosilicate glass 3.3, narrow neck



DIN ISO 1773. With graduations and beaded rim.

Capacity ml	Neck diam. mm	External flask diam. mm	Height mm	PK	Cat. No.
25	22	42	70	10	9.141 079
50	22	51	85	10	9.141 080
100	22	64	105	10	9.141 081
200	34	79	131	10	9.141 085
250	34	85	140	10	9.141 082
300	34	87	156	10	9.141 086
500	34	105	175	10	9.141 083
1000	42	131	220	10	9.141 084
2000	50	166	280	6	9.141 087
3000	50	187	310	6	9.141 088
5000	50	220	365	2	9.141 089



2 Erlenmeyer flasks, narrow neck, DURAN®

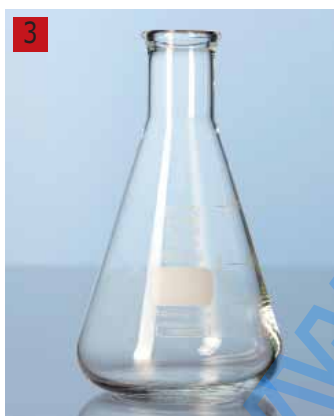
DURAN®. DIN ISO 1773. Narrow neck. With approximate graduations and beaded rim. Uniform wall thickness distribution makes these beakers ideal for heating applications. Erlenmeyer flasks are well suited for mixing, because of their conical shape.

DURAN Group

Glass Type I/neutral glass as per USP, EP and JP. Autoclavable. With Retrace Code (Batch Identification), certificate available via the Internet.

Capacity ml	Bottom diam. mm	Neck diam. mm	Height mm	PK	Cat. No.
25	42	22	75	1	9.141 014
50	51	22	90	1	9.141 017
100	64	22	105	1	9.141 024
125	67	28	112	1	9.141 028
150*	74	28	118	1	6.234 510
200*	79	34	131	1	9.141 032
250	85	34	145	1	9.141 036
300*	87	34	156	1	9.141 039
500	105	34	180	1	9.141 044
800	120	42	200	1	9.141 053
1000	131	42	220	1	9.141 054
2000	166	50	280	1	9.141 063
3000	187	52	310	1	9.141 068
5000	220	52	365	1	9.141 073

* Not to DIN.



3 Erlenmeyer flasks DURAN® Super Duty, narrow neck

With approximate graduations. Reinforced sturdy rim, and increased mechanical strength for heavy duty. Glass type I/neutral glass as per USP, EP and JP.

DURAN Group

With Retrace Code (Batch Identification) certificate available via the Internet. Autoclavable.

Capacity ml	Bottom diam. mm	Neck diam. mm	Height mm	PK	Cat. No.
25	42	22	75	1	9.141 270
50	51	22	90	1	9.141 271
100	64	22	105	1	9.141 272
250	85	34	145	1	9.141 273
500	105	34	180	1	9.141 274
1000	131	42	220	1	9.141 275
2000	166	50	280	1	9.141 276
5000	220	52	365	1	9.141 277



4 Narrow neck-Flasks, conical, Pyrex®



- Complies with ISO 1773 and DIN 12353
- Erlenmeyer pattern
- Manufactured from Pyrex® borosilicate glass for highest resistance to thermal shock and chemical corrosion

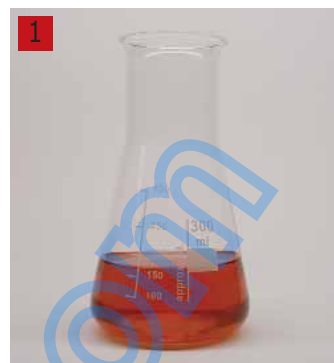
Scilabware

Capacity ml	Neck diam. mm	External flask diam. mm	Height mm	PK	Cat. No.
50	18	51	85	10	9.014 030
100	18	64	105	10	6.253 785
250	34	85	145	10	6.253 751
500	34	105	180	10	9.014 031
1000	42	131	220	10	7.656 279
2000	50	166	280	10	9.014 032

1 Erlenmeyer flasks, Borosilicate glass 3.3, wide neck

DIN ISO 24450. With graduations and beaded rim.

Capacity ml	Neck diam. mm	External flask diam. mm	Height mm	PK	Cat. No.
25	32	42	70	10	9.141 186
50	34	51	85	10	9.141 180
100	34	64	105	10	9.141 181
200	50	79	131	10	9.141 187
250	50	85	135	10	9.141 182
300	50	87	156	10	9.141 183
500	50	105	170	10	9.141 184
1000	50	131	215	10	9.141 185
2000	72	153	280	6	9.141 188



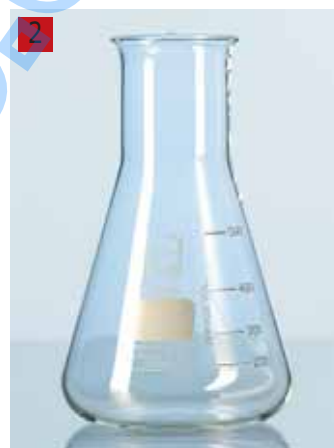
2 Erlenmeyer flasks, DURAN®, wide neck

DIN EN ISO 24450. Wide neck. With approximate graduations and beaded rim. With Retrace Code (Batch Identification), certificate available via the Internet. Uniformly wall thickness. Glass type I/neutral glass as per USP, EP and JP. Autoclavable.

DURAN Group

Capacity ml	Bottom diam. mm	Neck diam. mm	Height mm	PK	Cat. No.
25*	43	31	70	1	9.141 114
50	51	34	85	1	9.141 117
100	64	34	105	1	9.141 124
200	79	50	131	1	9.141 132
250	85	50	140	1	9.141 136
300	87	50	156	1	9.141 139
500	105	50	175	1	9.141 144
1000	131	50	220	1	9.141 154
2000*	153	72	276	1	9.141 163

* Not to DIN.



3 Erlenmeyer flasks DURAN® Super Duty, wide neck

With approximate graduations. Reinforced, sturdy rim and increased mechanical strength for heavy duty. Glass Type I/neutral glass as per USP, EP and JP. With retrace code (Batch Identification). Certificate available via the Internet. Autoclavable.

DURAN Group

Capacity ml	Bottom diam. mm	Neck diam. mm	Height mm	PK	Cat. No.
100	64	34	105	1	9.141 280
250	85	50	140	1	9.141 281
500	105	50	175	1	9.141 282
1000	131	50	220	1	9.141 283



4 Flasks, conical, wide neck, Pyrex®

- Complies with ISO 24450
- Erlenmeyer pattern
- Manufactured from Pyrex® borosilicate glass
- Excellent thermal performance
- High resistance to chemical attack
- White enamel graduations and marking spot

Scilabware

Capacity ml	Neck diam. mm	External flask diam. mm	Height mm	PK	Cat. No.
100	30	64	110	10	9.014 033
250	46	85	140	10	6.252 200
500	46	105	175	10	9.014 034



Vessels/Flasks



1 Flasks, conical, wide neck, heavy duty, graduated, Pyrex® NEW!

- Mechanically stronger than conventional Erlenmeyers
- Reinforced rims for extra strength and resistance to impact fracture
- Manufactured from high quality Pyrex® borosilicate glass
- White graduations and marking spot

Scilabware

Capacity	Height	Ext. diam.	Neck diam.	NS	PK	Cat. No.
ml	mm	mm	mm			
125	109	66	27	27	12	6.254 447
250	134	81	33	33	12	6.253 743
500	170	97	43	43	6	6.902 292



2 Erlenmeyer flasks, borosilicate glass 3.3, with screw neck

Borosilicate glass 3.3. Resistant to heat and almost all chemicals. Ideal for contamination free storage of culture specimen and media. Inscriptions are in white enamel which is specially designed for glass use. Autoclavable flasks and PP screw caps are resistant up to 121°C.

Isolab

Capacity	Height	Neck thread	PK	Cat. No.
ml	mm	GL		
100	110	32	1	9.141 100
250	145	32	1	9.141 101
500	180	32	1	6.242 393
1000	225	32	1	9.141 102



3 Erlenmeyer flasks, DURAN®, with screw neck

DURAN®. With DIN screw neck, PBT-screwthread cap (autoclavable up to 180°C), and approximate graduations. The flask is suitable for storage and cultivation. Glass Type I/neutral glass as per USP, EP and JP. Autoclavable; undo cap before autoclaving. With retrace code (Batch Identification). Certificate via internet.

DURAN Group

Capacity	Diam.	Height	Neck thread	PK	Cat. No.
ml	mm	mm	GL		
100	64	109	25	1	9.141 224
250	85	149	32	1	9.141 236
500	105	180	32	1	9.141 244
1000	131	225	32	1	9.141 254



4 Erlenmeyer flasks, PP

Highly transparent, wide-mouth, can also be used with NS stoppers (not included). Suitable for storage and cultivation of cell cultures. Safer than glass flasks for use in incubator shakers due to the break resistance of plastic. Suitable for microwaves. To preserve markings, do not clean at temperatures exceeding 60°C. Food-safe product according to EC Directive No. 10/2011.

VITLAB

Capacity	Grad.	Neck thread	Stopper NS	PK	Cat. No.
ml	ml	GL			
50	10	40	34/35	1	9.141 381
100	20	40	34/35	1	9.141 382
250	50	52	45/40	1	9.141 383
500	100	52	45/40	1	9.141 384
1000	200	52	45/40	1	9.141 385

➔ Buffle flasks - please see page 1252.

1. General laboratory consumables

Vessels/Flasks

1 Boiling flasks, flat bottom, narrow neck, Pyrex®



Scilabware

- Complies with ISO 1773
- Flat base for standing on benches and hotplates etc.
- Manufactured from Pyrex® glass for high resistance to thermal shock
- Excellent chemical durability for contamination-free performance
- With white enamel marking spot

Capacity	Neck diam.	External flask diam.	Height	PK	Cat. No.
ml	mm	mm	mm		
100	18	64	110	10	9.014 020
250	30	85	140	10	9.014 021
1000	36	131	200	10	9.014 022



2 Flat bottom flasks, DURAN®, wide neck

DURAN Group

DIN ISO 24450 (wide mouth), DIN ISO 1773 (narrow mouth). With beaded rim. Glass Type I/neutral glass as per USP, EP and JP. Uniform wall thickness distribution makes these beakers ideal for heating applications. Flat base means flasks can be set down without a supporting ring. Autoclavable.

Capacity	Diam.	Neck diam.	Height	Description	PK	Cat. No.
ml	mm	mm	mm			
50	51	34	90	wide mouth	1	9.141 717
100	64	34	105	wide mouth	1	9.141 724
250	85	50	138	wide mouth	1	9.141 736
500	105	50	163	wide mouth	1	9.141 744
1000	131	50	190	wide mouth	1	9.141 754
2000*	166	76	230	wide mouth	1	9.141 763
2000	166	50	230	wide mouth	1	9.141 764
250	85	34	138	narrow mouth	1	9.141 636
500	105	34	136	narrow mouth	1	9.141 644
1000	131	42	190	narrow mouth	1	9.141 654
2000**	166	42	250	narrow mouth	1	9.141 664
4000	207	50	275	narrow mouth	1	9.141 671
5000	223	50	290	narrow mouth	1	9.141 673
6000	237	65	315	narrow mouth	1	9.141 676
10000	280	65	360	narrow mouth	1	9.141 686

* Non to DIN, with reinforced rim.
** Not to ISO.



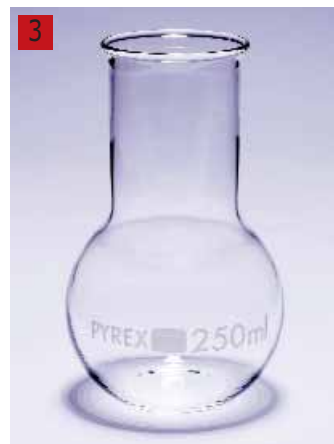
3 Flasks, boiling, flat bottom, wide neck, Pyrex®



Scilabware

- Complies with ISO 24450
- With wide neck to facilitate easy addition of solid samples etc.
- Flat base for standing on benches and hotplates etc.
- Manufactured from Pyrex® glass for high resistance to thermal shock
- Excellent chemical durability for contamination-free performance

Capacity	Neck diam.	External flask diam.	Height	PK	Cat. No.
ml	mm	mm	mm		
250	47	84	140	10	9.014 023
500	47	103	170	10	9.014 024
1000	47	131	200	10	9.014 025



4 Round bottom flasks, DURAN®, narrow neck

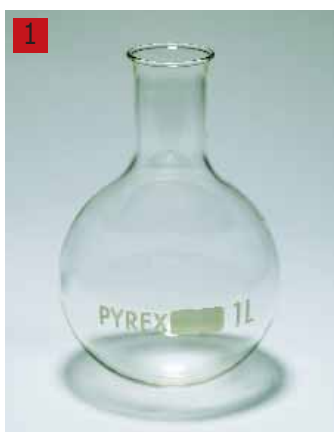
DURAN Group

To DIN ISO 1773. Narrow neck. With beaded rim. Glass Type I/neutral glass as per USP, EP and JP. Autoclavable.

Capacity	Diam.	Neck diam.	Height	PK	Cat. No.
ml	mm	mm	mm		
50	51	26	95	1	9.141 417
100	64	26	110	1	9.141 424
250	85	34	144	1	9.141 436
500	105	34	168	1	9.141 444
1000	131	42	200	1	9.141 454
2000	166	42	260	1	9.141 464
3000	185	50	260	1	9.141 468
4000	207	52	290	1	9.141 471



Vessels/Flasks



1 Flasks, boiling, round bottom, narrow neck, Pyrex®

NEW!

Scilabware

- Complies with ISO 1773
- Manufactured from Pyrex® borosilicate glass which offers excellent resistance to chemical corrosion and thermal shock

Capacity	Neck diam.	External flask diam.	Height	PK	Cat. No.
ml	mm	mm	mm		
100	18	65	115	10	9.014 026
250	30	85	144	10	9.014 027
500	30	105	175	10	9.014 028
1000	36	131	200	10	9.014 029



2 Kjeldahl flasks, DURAN®

To DIN 12360. With beaded rim.

DURAN Group

Capacity	Diam.	Neck diam.	Height	PK	Cat. No.
ml	mm	mm	mm		
100	60	22	200	1	9.141 824
250	81	34	270	1	9.141 836
500	101	34	300	1	9.141 844
750	115	34	340	1	9.141 851
1000	126	34	350	1	9.141 854

Note: special sizes available on request.



3 Flask rings, pressed cork

Height 30mm.

For flasks ml	Ext. diam. mm	Int. diam. mm	PK	Cat. No.
10 / 100	80	30	1	9.143 003
250 / 500	110	60	1	9.143 006
1000 / 2000	140	90	1	9.143 009
3000	170	120	1	9.143 012
4000	210	150	1	9.143 015



4 Flask ring, PP.

Provides a secure base for round bottom flasks from 10ml to 10000ml capacity.

Kartell

Diam. mm	Height mm	PK	Cat. No.
170	50	1	9.143 040

1 Flask support rings, "BiBase".

Double sided. Sits firmly on the bench to support round-bottomed flasks.

- Very soft and easy to clean
- Resistant to chemicals
- Good thermal and electric insulation
- Excellent adhesion with glass
- Non-slip

Available in two qualities:

Black rubber, good adhesion to glass.

Blue silicone elastomer, resistant to oxidation and temperatures from -60 to +200°C.

For flasks: Narrow dia./Wide dia. /Height:

50 to 500ml: 46mm/80mm/30mm

500 to 2000ml: 80mm/120mm/40mm

2000 to 6000ml: 120mm/162mm/45mm

Material	For flasks ml	Max. kg	PK	Cat. No.
Rubber	50 to 500	13	1	9.143 031
Rubber	500 to 2000	18	1	9.143 032
Rubber	2000 to 6000	30	1	9.143 033
Silicone elastomer	50 to 500	13	1	9.143 035
Silicone elastomer	500 to 2000	18	1	9.143 036
Silicone elastomer	2000 to 6000	30	1	9.143 037

2 Stabilizing rings/Weighting rings

LAB-Rings to stabilise glassware and plasticware on shakers or to immerse in water baths.

Vinyl-coated lead rings will not mark or scratch benchtops and labware.

Type	For flasks ml	Int. diam. mm	PK	Cat. No.
O-Shape	5 to 10	18	1	7.072 085
O-Shape	125 to 500	48	1	6.243 010
O-Shape	250 to 1000	51	1	6.242 742
O-Shape	500 to 2000	57	1	6.243 011
O-Shape	1000 to 4000	70	1	7.054 161
C-Shape	125 to 500	42	1	9.149 902
C-Shape	250 to 1000	51	1	9.149 905
C-Shape	500 to 2000	54	1	9.149 906
C-Shape	1000 to 4000	66	1	9.149 907

3 Lab sleeves

Lead. Cylindrical, with opening. Provides a stable bench support for a variety of vessels, or used to sink flasks in waterbaths. Sealed in strong PVC. Flexible. Can be opened, closed or adapted to the diameter of the laboratory flask.

For diam. mm	Int. diam. mm	Weight g	PK	Cat. No.
48 to 59	53	240	1	9.149 916
59 to 73	66	460	1	9.149 917
73 to 90	80	600	1	9.149 918
90 to 110	100	750	1	9.149 919

➔ Water baths - please see page 760.



Vessels/Test tubes


1

1 Test tubes, round bottom, AR-Glas®

NEW!

Heavy wall. Rimless, with round bottom.

Ext. diam. mm	Length mm	Wall thickness mm	PK	Cat. No.
8	40	0.8	200	9.400 004
10	70	0.8	100	9.400 007
12	75	0.8	100	9.400 009
15	85	0.8	100	9.400 011
10	100	0.8	100	9.400 015
12	100	0.8	100	9.400 017
14	100	0.8	100	9.400 020
16	100	1.0	100	9.400 022
14	130	0.8	100	9.400 030
16	160	1.0	100	9.400 040
18	180	1.0	100	9.400 050


2

2 LLG-Test tubes, Fiolax® glass

Round bottom test tubes made of high quality Fiolax® glass with beaded rim.

Diam. mm	Height mm	Wall thickness mm	PK	Cat. No.
8	70	0.5	100	7.190 001
10	100	0.5	100	6.234 026
12	75	0.5	100	7.613 795
12	100	0.5	100	7.190 011
14	130	0.5	100	7.606 374
16	130	0.6	100	7.606 375
16	160	0.6	100	7.190 021
18	180	0.6	100	7.190 023
20	180	0.6	100	7.190 028


3

3 Test tubes, Fiolax® glass, with rim

Fiolax®. Round bottom with rim. Light-walled and resistant to rapid temperature changes and localised heating.

DURAN Group

Diam. mm	Height mm	Wall thickness mm	PK	Cat. No.
8	70	0.4-0.5	100	9.190 001
10	75	0.4-0.5	100	9.190 003
10	100	0.4-0.5	100	9.190 006
12*	75	0.4-0.5	100	9.190 008
12	100	0.4-0.5	100	9.190 011
14	130	0.4-0.5	100	9.190 013
16*	130	0.5-0.6	100	9.190 016
16	160	0.5-0.6	100	9.190 021
18	180	0.5-0.6	100	9.190 023
20	150	0.5-0.6	100	9.190 026
20	180	0.5-0.6	100	9.190 028
25	150	0.6-0.7	50	9.190 033
25	200	0.6-0.7	50	9.190 036
30	200	0.7-0.8	50	9.190 038

* Non DIN size.


4

4 LLG-Test tubes, AR® soda-lime glass

Test tubes with round bottom made out of AR®-Glass.

Hydrolytic resistance: Class HGB 3 acc. to ISO 719, Type III acc. to C - USP.

Diam. mm	Height mm	Wall thickness mm	Description	PK	Cat. No.
8	70	0.5	with beaded rim	100	6.201 034
10	100	0.5	with beaded rim	100	6.801 073
12	100	0.5	with beaded rim	100	7.607 198
14	130	0.5	with beaded rim	100	6.800 620
16	130	0.6	with beaded rim	100	6.800 382
16	160	0.6	with beaded rim	100	7.600 405
20	180	0.6	with beaded rim	100	7.607 778
25	150	0.9	with beaded rim	50	6.800 621
30	200	0.9	with beaded rim	50	7.600 324
30	100	1.0	without rim	100	6.267 806
15	100	1.0	without rim	100	7.651 872
16	120	1.0	without rim	100	7.651 871
18	130	1.0	without rim	100	7.652 552

1. General laboratory consumables

Vessels/Test tubes

1 Test tubes, AR® soda-lime glass, heavy wall

Rimless, with round bottom (0.7 to 1.0 mm wall thickness).

Diam. mm	Height mm	Wall thickness mm	PK	Cat. No.
8	40	0.7 ± 0.03	100	9.190 200
10	70	0.9 ± 0.04	100	9.190 202
10	100	0.9 ± 0.03	100	9.190 205
12	75	0.7 ± 0.04	250	6.258 821
12	100	0.7 ± 0.04	250	6.258 822
14	100	0.9 ± 0.04	250	6.258 823
14	130	0.9 ± 0.04	250	6.258 824
16*	100	0.8 ± 0.04	250	6.258 825
16*	160	0.8 ± 0.04	250	6.258 826
18*	180	1.0 ± 0.05	250	6.258 827

* Suitable for Kapsenberg caps.



2 Test tubes with spout, AR® soda glass

With spout and round bottom. 0.1ml graduations.

Diam. mm	Height mm	Wall thickness mm	PK	Cat. No.
12	110	0.70	1	9.190 305
13	160	1.00	1	9.190 310
15	200	0.90	1	9.190 320



3 Test tubes, DURAN®, with or without rim

Available rimmed or rimless. DURAN® test tubes have a heavier wall and considerable mechanical strength and excellent resistance to temperature changes.

DURAN Group

Glass Type I/neutral glass as per USP, EP and JP. Autoclavable.

Diam. mm	Height mm	Wall thickness mm	With rim	PK	Cat. No.
8	70	0.8 - 1.0	with	100	9.190 101
10	75	0.8 - 1.0	with	100	9.190 103
10	100	0.8 - 1.0	with	100	9.190 106
12	75	0.8 - 1.0	with	100	9.190 108
12	100	0.8 - 1.0	with	100	9.190 111
13	100	0.8 - 1.0	with	100	9.190 112
14	130	0.8 - 1.0	with	100	9.190 113
16	130	1.0 - 1.2	with	100	9.190 116
16	160	1.0 - 1.2	with	100	9.190 121
18	180	1.0 - 1.2	with	100	9.190 123
20	150	1.0 - 1.2	with	100	9.190 126
20	180	1.0 - 1.2	with	100	9.190 128
25	150	1.0 - 1.2	with	50	9.190 133
25	200	1.0 - 1.2	with	50	9.190 136
30	200	1.0 - 1.4	with	50	9.190 138
8	70	0.8 - 1.0	without	100	9.190 151
10	75	0.8 - 1.0	without	100	9.190 153
10	100	0.8 - 1.0	without	100	9.190 156
12	75	0.8 - 1.0	without	100	9.190 158
12	100	0.8 - 1.0	without	100	9.190 161
13	100	0.8 - 1.0	without	100	9.190 162
14	130	0.8 - 1.0	without	100	9.190 163
16	130	1.0 - 1.2	without	100	9.190 166
16	160	1.0 - 1.2	without	100	9.190 171
18	180	1.0 - 1.2	without	100	9.190 173
20	150	1.0 - 1.2	without	100	9.190 176
20	180	1.0 - 1.2	without	100	9.190 178
25	150	1.0 - 1.2	without	50	9.190 183
25	200	1.0 - 1.2	without	50	9.190 186
30	200	1.0 - 1.4	without	50	9.190 188



➔ Test tube stands - please see page 40.

Vessels/Test tubes



1 Test tubes with ground glass joint, without graduation, with stopper, DURAN® tubing

Made of DURAN® tubing. Round bottom test tubes with NS socket whit PE stopper.

Lenz

Length mm	Ext. diam. mm	NS	PK	Cat. No.
100	16	14/23	1	9.190 410
160	16	14/23	1	9.190 416
180	18	14/23	1	9.190 418



2 Test tubes, borosilicate glass 3.3, graduated, NS, with stopper

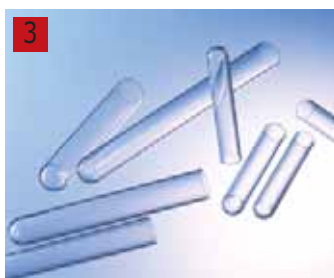
Wall thickness approx. 1.2mm. With NS ground socket and PP stopper.

Graduations of approx. volume and markings are in high contrast white enamel.

Supplied singly.

BRAND

Capacity ml	Grad. ml	NS	Diam. mm	Height mm	PK	Cat. No.
10	0.10	12/21	15	165	1	9.190 508
20	0.20	14/23	17	200	1	9.190 516
25	0.20	14/23	17	220	1	9.190 521
30	0.50	14/23	19	220	1	9.190 524



3 Test tubes and centrifuge tubes, PS

Round or conical bottom.

Capacity ml	Diam. mm	Height mm	Description	PK	Cat. No.
2.0	10.5	40	round bottom	3000	9.400 505
3.5	11.0	63	round bottom	3000	9.400 520
4.0	11.0	70	round bottom	2880	9.400 530
4.0	12.0	55	round bottom	3600	6.510 405
5.0	12.0	75	round bottom	2000	9.400 532
10.0	14.0	100	round bottom	1400	9.400 562
12.0	16.0	100	round bottom	1600	9.400 564
14.0	17.0	100	round bottom	1500	9.400 565
20.0	16.0	152	round bottom	1500	9.400 590
4.5	12.0	75	conical bottom	3600	9.400 901
13.0	16.5	103	conical bottom	1500	9.400 908



4 Culture tubes, Borosilicate glass, screw cap

For culture growth, transport and storage. Heavy walled, thickness 1.1mm.

Wide neck for easy inoculation and cleaning. Complete with aluminium or plastic screw cap

and rubber sealing gasket. The 15ml size is specifically designed for use in centrifuges. Autoclavable.

schuett-biotech

Capacity ml	Diam. mm	Height mm	Screw cap	PK	Cat. No.
15	16	98	Aluminium	100	9.010 612
20	16	150	Aluminium	100	9.190 600
15	16	98	Plastic	100	9.010 613
20	16	150	Plastic	100	9.190 605
50	25	150	Plastic	100	9.010 620

1. General laboratory consumables

Vessels/Test tubes

1 Tubes, glass, culture, screw cap, Soda-lime glass NEW!

Autoclavable. For culture growth, transport and storage. Complete with aluminium or plastic screw cap and rubber sealing gasket. The 5ml size has a frosted marking area.

schuett-biotec

Further sizes available on request.



Capacity	Diam.	Height	Screw cap	PK	Cat. No.
ml	mm	mm			
3	12	35	Aluminium	100	9.010 608
5	14	50	Aluminium	100	9.010 602
15	27	45	Aluminium	100	6.266 815
20	27	50	Aluminium	100	6.264 629
30	27	75	Aluminium	100	6.266 816
5	14	50	Plastic	100	9.010 603
15	27	45	Plastic	100	9.010 610
20	27	50	Plastic	100	9.010 611
30	27	75	Plastic	100	9.010 601

Storage cases for culture tubes

For the protective storage and transportation of culture tubes.

schuett-biotec

Material	For	PK	Cat. No.
Polystyrene	50 jars, 35x12mm	1	9.010 609
Polypropylene, autoclavable	50 jars, 35x12mm	1	9.010 614
Polypropylene, box black, autoclavable	49 jars, 50x14mm	1	9.010 606
Wood	100 jars, 50x14mm	1	9.010 605



9.010 609

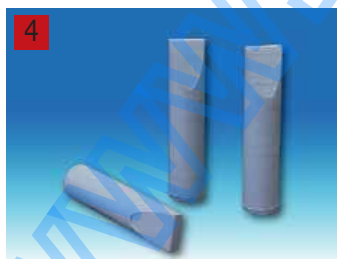


9.010 605

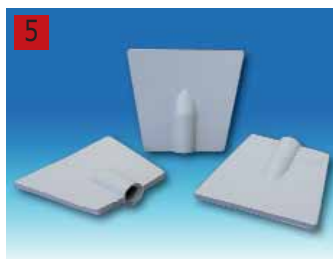
Test tube cleaners

Rubber. For removing heavy soiling from test tubes by scraping. With 5mm boring for rod. In various styles as indicated below.

Type	Form	Width mm	PK	Cat. No.
Rubber wiper	Rod-shaped	8	1	9.190 901
Rubber wiper	Spade-shaped	35	1	9.190 902
Test tube cleaner	4 blades	30	1	9.190 903



9.190 901



9.190 902



9.190 903

➔ Glass bars - please see page 116.

Vessels/Test tubes-Stoppers



1 LLG-Rubber stopper with turn over flange (NEW!)

Manufactured from rubber or silicone. These stoppers guarantee perfect sealing even with poorly finished rims on glass or plastic bottles. The top of the stopper has a septum which can be punctured by a hypodermic needle. Very secure fit prevents accidental opening of the flask.

Diam. mm	PK	Cat. No.
7.1	10	6.267 396
10.2	10	6.267 397
12.7	10	6.267 398
14.9	10	6.267 399
15.9	10	6.267 400
19.4	10	6.267 401
23.7	10	6.267 402
30.7	10	6.267 403



2 LLG-Stoppers for test tubes, PE

For tubes diam. mm	Colour	PK	Cat. No.
12 to 13	neutral	100	9.231 270
12 to 13	blue	100	9.231 271
12 to 13	yellow	100	9.231 272
12 to 13	red	100	9.231 273
12 to 13	green	100	9.231 274
15 to 16	neutral	100	9.231 275
15 to 16	blue	100	9.231 276
15 to 16	yellow	100	9.231 277
15 to 16	red	100	9.231 278
15 to 16	green	100	9.231 279



3 Sealing caps for test tubes, versilic silicone Saint Gobain

Transparent. Made of versilic silicone. Type number corresponds to outside diameter of the vessel to be sealed (glass, plastic or metal). Sealing caps have a slight taper and offer a very secure hold and are comfortable to use.

Ext. diam. mm	PK	Cat. No.
10	1	9.231 510
12	1	9.231 512
14	1	9.231 514
16	1	9.231 516
18	1	9.231 518
20	1	9.231 520
22	1	9.231 522
25	1	9.231 541
30	1	9.231 530
35	1	9.231 532
42	1	9.231 534
45	1	9.231 535
50	1	9.231 536



1 Rubber stoppers

DIN 12871. Solid.

Deutsch & Neumann

Bottom diam. mm	Top diam. mm	Height mm	PK	Cat. No.
3.5	6.5	15	1	9.230 203
5.0	9.0	20	1	9.230 205
8.0	12.0	20	1	9.230 208
10.5	14.5	20	1	9.230 210
12.5	16.5	20	1	9.230 212
14.0	18.0	20	1	9.230 214
17.0	22.0	25	1	9.230 217
18.0	24.0	30	1	9.230 218
21.0	27.0	30	1	9.230 221
23.0	29.0	30	1	9.230 223
26.0	32.0	30	1	9.230 226
29.0	35.0	30	1	9.230 229
31.0	38.0	35	1	9.230 231
36.0	44.0	40	1	9.230 236
41.0	49.0	40	1	9.230 241
47.0	55.0	40	1	9.230 247
50.5	59.5	45	1	9.230 250
56.0	65.0	45	1	9.230 256
60.0	70.0	50	1	9.230 260
64.5	75.5	55	1	9.230 264
71.0	83.0	60	1	9.230 271
79.0	92.0	65	1	9.230 279
87.0	100.0	65	1	9.230 287
94.0	107.0	65	1	9.230 294



2 Silicone rubber stoppers

Transparent. To DIN 12871. Solid. Operating temperature up to 225°C. Supplied singly.

Deutsch & Neumann

Bottom diam. mm	Top diam. mm	Height mm	PK	Cat. No.
3.5	6.5	15	1	9.230 503
5.0	9.0	20	1	9.230 505
8.0	12.0	20	1	9.230 508
10.5	14.5	20	1	9.230 510
12.5	16.5	20	1	9.230 512
14.0	18.0	20	1	9.230 514
17.0	22.0	25	1	9.230 517
18.0	24.0	30	1	9.230 518
21.0	27.0	30	1	9.230 521
23.0	29.0	30	1	9.230 523
26.0	32.0	30	1	9.230 526
29.0	35.0	30	1	9.230 529
31.0	38.0	35	1	9.230 531
36.0	44.0	40	1	9.230 536
41.0	49.0	40	1	9.230 541
47.0	55.0	40	1	9.230 547
50.5	59.5	45	1	9.230 550
56.0	65.0	45	1	9.230 556
60.0	70.0	50	1	9.230 560
64.5	75.5	55	1	9.230 564
71.0	83.0	60	1	9.230 571
79.0	92.0	65	1	9.230 579



3 4 Stoppers with turn-over flange

Silicone or natural rubber. These stoppers guarantee perfect sealing even with poorly finished rims on glass or plastic bottles. The top of the stopper has a septum which can be punctured by a hypodermic needle. Very secure fit prevents accidental opening.

Material	Diam. mm	PK	Cat. No.
Silicone	7.1	1	9.230 481
Silicone	10.2	1	9.230 482
Silicone	12.7	1	9.230 483
Silicone	14.9	1	9.230 484
Silicone	15.9	1	9.230 485
Silicone	19.4	1	9.230 486
Silicone	23.7	1	9.230 487
Silicone	30.7	1	9.230 488
Rubber	7.1	1	9.230 650
Rubber	10.2	1	9.230 651
Rubber	12.7	1	9.230 652
Rubber	14.9	1	9.230 653
Rubber	15.9	1	9.230 654
Rubber	19.4	1	9.230 655
Rubber	23.7	1	9.230 656
Rubber	30.7	1	9.230 657



Vessels/Stoppers-Tube racks



1 Cork stoppers

A1 superb quality. Non-porous.

Bottom diam. mm	Top diam. mm	Height mm	PK	Cat. No.
3	6	16	1	9.230 703
6	9	17	1	9.230 706
7	10	18	1	9.230 707
8	11	20	1	9.230 708
9	12	20	1	9.230 709
10	13	22	1	9.230 710
12	15	22	1	9.230 712
14	17	22	1	9.230 714
15	18	22	1	9.230 715
16	19	23	1	9.230 716
18	22	26	1	9.230 718
20	24	27	1	9.230 720
22	26	27	1	9.230 722
24	28	27	1	9.230 724
26	30	27	1	9.230 726
28	32	27	1	9.230 728
30	34	27	1	9.230 730
32	36	27	1	9.230 732
34	38	27	1	9.230 734
36	40	27	1	9.230 736
38	42	27	1	9.230 738
41	45	27	1	9.230 741
45	50	30	1	9.230 745
50	55	30	1	9.230 750
55	60	30	1	9.230 755
60	65	30	1	9.230 760
65	70	30	1	9.230 765

2



2 Cork borers

Brass, with handles.

Juchheim Laborgeräte

Diam. mm	PK	Cat. No.
5 - 11	1	9.143 471
5 - 15	1	9.143 473
5 - 19	1	9.143 475
5 - 26	1	9.143 477

➔ Cellulose stoppers, Steristoppers® - please see page 1253.



3 Microtube Rack, PP

Grey. Numbered positions for 20 x 1.5ml microcentrifuge tubes. Autoclavable (121°C).
Accessories: Adapter (PP) for 0.5ml microtubes.

BRAND

Array	Internal dimensions (W x L x H) mm	PK	Cat. No.
2 x 10	70 x 210 x 37	1	9.409 380
Adapter (20 Units)		20	7.020 330

1. General laboratory consumables

Vessels/Tube racks

1 Tube Rack, PP

Stackable racks with alphanumerical positions. Operating temperature -20°C to +90°C. Autoclavable at 121°C (2 bar), acc. DIN EN 285. Density 1.2 g/cm³. Will not float in water bath. Racks are supplied in two-pieces (Ø 11 mm, for micro tubes) or three-pieces (Ø 13 mm for cryogenic tubes) for convenient and permanent assembly. L x W x H in mm: 265 x 126 x 38.

BRAND



Array	Colour	For tubes diam.	Length	Width	Height	PK	Cat. No.
		mm	mm	mm	mm		
8 x 16	White	11	265	126	38	1	9.409 308
8 x 16	Blue	11	265	126	38	1	9.409 309
8 x 16	Red	11	265	126	38	1	9.409 312
8 x 16	Yellow	11	265	126	38	1	9.409 313
6 x 14	White	13	265	126	38	1	9.409 314
6 x 14	Blue	13	265	126	38	1	9.409 316
6 x 14	Red	13	265	126	38	1	9.409 321
6 x 14	Yellow	13	265	126	38	1	9.409 323

2 Microtube Rack, 20-Well, PP

Interlocking racks with 2 x 10 array hold 0.5/1.0/1.5/2.0ml tubes.

Polypropylene racks lock together on each side, permitting the user to attach several together to increase capacity. Features an innovative "hold-it" finger slot on the front, and internal ribbing for stability. Autoclavable. Dimensions: 210mm x 90mm x 46mm.

Colour	PK	Cat. No.
blue	1	9.409 088



3 Microtube Rack 3-Way, PP

Polypropylene racks connect to one another on each end. Snap together for more tube storage. Convenient finger slots are moulded into the rack making them easy to pick up and move. Lowest level has 24 wells to hold individual 0.2ml tubes or strips of 8 or 12 tubes. Middle tier has 14 wells to hold 0.5ml tubes. Top tier has 12 wells to hold 1.5/2.0ml tubes. Autoclavable. Dimensions: 164mm x 123mm x 62mm. Package: 6 racks, colour assorted

Heathrow Scientific

Colour	PK	Cat. No.
natural, blue, green, purple, yellow, orange	6	9.193 990



4 Microtube Racks, 80-Well, PP

Autoclavable. Popular fraction collector plate-style rack. Easily load and transfer 80 tubes with 1.5ml or 2.0ml in a compact format (5 x 16 array). Polypropylene rack has moulded-in coordinates to aid organisation. Assorted colours. Dimensions (L x W x H): 225mm x 67mm x 28mm.

Colour	PK	Cat. No.
Blue, green, pink, yellow and orange	5	6.237 973
Blue	1	6.243 204
Yellow	1	6.243 205
Natural	1	6.243 206
Orange	1	6.243 207
Pink	1	6.243 208
Green	1	6.243 209

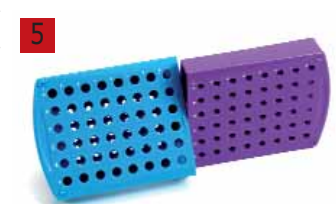


5 Microtube Rack Rota-Rack® Duo

Works with PCR® tubes right next to centrifuge tubes. The 0.2ml tube wells oriented in standard 96-well format. Use with PCR® transfer trays. Rotate the rack to work either with 0.2ml tubes and 0.5ml tubes, with 0.2ml tubes and 1.5ml tubes or with 0.5ml tubes and 1.5ml tubes. Or turn a module and work with a total of 96 x 1.5ml tubes. Quickly identify tubes with imprinted alphanumeric system. Autoclavable. Dimensions (L x W x H): 296 x 118 x 34mm

Heathrow Scientific

Type	PK	Cat. No.
Tube Rack Rota-Rack® Duo	1	9.194 000



Vessels/Tube racks



1 Mircotube Rack (1.5ml), PP

Two-tier, available in four different colours. These versatile racks are autoclavable and can be used dry, in water baths or in freezers. Each rack has an alpha-numeric reference for easy sample identification. Can accommodate 100x1.5ml tubes with closed caps or without caps, and 50x1.5ml tubes with open caps.

Kartell

Racks are stackable even when loaded and have (purpose) designed label spaces on each side (for bar coding, etc.).

Array	Length	Width	Height	Colour	PK	Cat. No.
	mm	mm	mm			
100	263	112	85	blue	1	6.225 714
100	263	112	85	yellow	1	6.238 141
100	263	112	85	grey	1	6.226 179
100	263	112	85	red	1	6.401 579



2 LLG-Microtube rack, stainless steel 18/10

This sloping, combination rack holds 48 x 0.2ml PCR tubes (suitable also for 8 and 12 strips), 30 x 0.5ml tubes and 12 x 1.5ml or 12 x 2.0ml tubes. Resistant against UV sterilisation, ideal for PCR workstations. Autoclavable and heat resistant (200°C).

Dimensions (L x W): 220 x 95mm. Height: front 20mm, back 45mm.

Type	PK	Cat. No.
LLG-Microtube Rack	1	9.409 000



9.409 015

LLG-Temperature block exact, aluminium

NEW!

Suitable for both cooling and heating, universally usable, uniform temperature distribution within the block, ideal for all temperature-sensitive applications.

Aluminum blocks with conical compartments and closed bottom for easy and precise tempering of reaction tubes and PCR tubes. The precisely adapted shape of the borings and the closed bottom offer advantages compared with cylindrical drilled blocks with open bottom, such as much better heat transfer and temperature accuracy.

Made of a special aluminum alloy with high thermal conductivity. Identical temperature conditions for all samples. Compact size, requiring little space. Suitable for 96-well plates, 8 or 12 strips and single tubes.

Ideal for working with 8- or 12-channel pipettes. Blocks for different tube sizes and combinations of tube sizes as indicated, all working steps in one block, holes closed at the bottom and tapered to fit perfectly the respective tube sizes and offer an optimum heat exchange.



9.409 017

Description	PK	Cat. No.
LLG-aluminum block, 96 x 0.2 ml PCR tubes + 6 x 1.5 ml tubes	1	9.409 015 B
LLG-aluminum block, 36 x 0.5 ml tubes + 11 x 1.5 ml tubes	1	9.409 016
LLG-aluminum block, 24 x 1.5 ml tubes	1	9.409 017 A
LLG-aluminum block, 24 x 2.0 ml tubes	1	9.409 018
LLG-aluminum block, 25 x 2.0ml Cryogenic tubes with round bottom	1	9.409 006
LLG-aluminum block, 12 x 15.0ml Centrifuge tubes	1	9.409 008



5 Microtube racks, 96-Well, PP

Autoclavable. Polypropylene rack has 96 wells for 0.5ml microcentrifuge tubes on one side and 96 wells for 1.5ml to 2.0ml microcentrifuge tubes on the other side. Wells are arranged in standard 8 x 12 array. Handy lid snaps into place via tabs on each end of rack. Dimensions (L x W x H): 246mm x 121mm x 50mm.

Heathrow Scientific

Colour	PK	Cat. No.
Blue, green, pink, yellow and orange	5	9.193 982
Natural	1	6.237 620
Blue	1	6.237 267
Green	1	6.237 268
Pink	1	6.237 621
Yellow	1	6.237 622
Orange	1	6.237 623

1. General laboratory consumables

Vessels/Tube racks

1 Microtube racks 4-Way, PP

Build as large a rack as you need by linking together multiple rack units.
Racks feature a unique system of tabs and slots, which facilitate easy assembly and sturdy fit.
Heavy-duty polypropylene racks can hold 4 x 50ml or 12 x 15ml conical tubes, 32 x 1.5ml or 32 x 0.5ml microtubes. Autoclavable. Dimensions (L x W x H): 175 x 95 x 51mm.

Heathrow Scientific



Colour	PK	Cat. No.
Natural	1	9.409 131
Blue	1	9.409 132
Green	1	9.409 133
Pink	1	9.409 134
Yellow	1	9.409 135
Orange	1	9.409 136
Blue, green, pink, yellow, orange	5	9.409 137

2 Microtube Storage Boxes, 50-/100-Well, PP

Autoclavable. Compact storage box has angled front slot for easy access to tubes.
Rugged, polypropylene box has durable three-point hinges, snapping clasp for secure closure, moulded grid lines on lid, imprinted coordinates on bottom of base and imprinted and raised coordinates on tube wells. Ideal for sample or case study storage. Holds 1.5ml to 2.0ml microtubes.
Resist storage temperatures from -80°C up to +121°C.

Heathrow Scientific



no. of wells	Dimensions (l x w x h) mm	Colour	PK	Cat. No.
50	141 x 92 x 56	blue, green, purple, yellow, orange	5	9.193 985
50	141 x 92 x 56	natural	1	6.243 162
100	141 x 151 x 57	blue, green, purple, yellow, orange	5	9.193 981
100	141 x 151 x 57	natural	1	6.206 710

3 Tube Rack for 5ml microcentrifuge tubes, PP

Designed specifically for 40 x 5ml microcentrifuge tubes this rack will also accommodate other tubes with a diameter of 13 to 16mm. Made of durable and corrosion resistant white polypropylene. End plates have handles for easy transport and stacking.
Steam autoclavable at 121°C
Dimensions (L x W x H): 260 x 113 x 105mm
Rows: 4 x 10

NEW!
Bel-Art Products



No. of tubes	For tubes diam. mm	PK	Cat. No.
40	13 - 16mm	1	9.194 026

4 Tube Rack Origami, PP

The Origami Tube Rack is designed to be height adjustable which makes it very flexible and usable for almost any test tube on the market. Depending on the hole diameter the racks can be used for microcentrifuge tubes, cryovials, vacutainers, and 15ml and 50ml falcon tubes.
The Origami Tube Rack has a printed alphanumeric grid for easy location of the samples.
It is made of polypropylene and can be used in temperatures from -45°C to 60°C.
Dimensions (WxDxH): 240 x 120 x 140mm.

Tenak



No. of tubes	For tubes diam. mm	PK	Cat. No.
45	12.5	5	9.194 015
28	18	5	9.194 016
15	30	5	9.194 017

5 Tube-Rack, PP, white, for 5ml tubes

- Numbered positions
- variable: 16 places for 5ml tubes or conical screw-cap tubes, 15ml
- Autoclavable (121°C, 20min)

NEW!
Eppendorf



No. of tubes	For tubes	PK	Cat. No.
16	5.0ml or 15.0ml	2	9.409 292

Vessels/Tube racks

1

1 Tube Rack Adapt-a-Rack™, POM
NEW!

Capable of holding different size tubes in each available slot as the well literally adapts to your tube size to hold firmly in an upright position. The design enables you to hold 12 to 30mm (5 to 50ml) tubes simultaneously and still allow full viewing of the tube label. Racks can be linked together for additional holding capacity. Autoclavable.
Dimensions (WxDxH): 181 x 56 x 76mm

Heathrow Scientific

Colour	PK	Cat. No.
Blue	2	9.194 027
Green	2	9.194 028
White	2	9.194 029

2

2 Rack for centrifuge tubes, PP
NEW!

Suitable to hold 15 ml and 50 ml centrifuge tubes with conical bottom. Just push the tubes into the cavities and leave them. Unique design has an angular end to provide easy stacking for space saving purpose. Moulded in alpha numeric grid reference on the rack allows easy sample identification.

Isolab

Array	For tubes diam.	PK	Cat. No.
	mm		
5 x 5	15	1	6.267 412
5 x 5	50	1	6.267 413

3

3 Tube rack, ABS
NEW!

Made of "modified" high density ABS which enables the rack to be used in water baths. Racks can be linked together to form a multiple rack system. Rod type spacious tube compartments are ideal for screw cap tubes of 15 ml and 50 ml. Unique rack design enables perfect adaptance of the tubes and allows easy viewing of the tube contents. Pegs hold the tubes firmly in place and remain straight even after repeated autoclaving. Interlocking system for linking the racks in multiple rows.

Isolab

Array	For tubes	PK	Cat. No.
	ml		
5 x 10	15	1	6.267 416
5 x 5	50	1	6.267 417

4

4 Storage box for centrifuge tubes with lid, PP
NEW!

For storage of 15 ml and 50 ml screw cap centrifuge tubes. Chemically resistant to alcohols and mild organic solvents can resist temperature from -196°C to 121°C. Printed alpha numeric grid reference on the top tier of the rack allows easy sample identification. Transparent lid guarantees secure closure of the box while providing easy view to the interior.

Isolab

Array	For tubes	PK	Cat. No.
	ml		
6 x 6	15	1	6.267 414
4 x 4	50	1	6.267 415

5

5 Tube Rack with lid, 2 divided, PP
NEW!

For storage of micro tubes. Stand has two sides and each side accommodates different size and combination of microcentrifuge tubes. First side can hold 96 pieces of 1.5ml tubes, and the other side holds 48 pieces of 0.5 ml tubes and also 96 pieces of 0.2 ml tubes. Supplied with a clear polypropylene lid which covers the rack and protects the tubes from dust and other effects. Alphanumerical index on tube rows enables easy identification of tubes.

Isolab

Description	PK	Cat. No.
for 6x16 tubes of 1,5ml, 6x8 tubes of 0,5ml and 8x12 tubes of 0,2ml	1	6.267 418

1. General laboratory consumables

Vessels/Tube racks

1 PCR Multirack, PP (NEW)

Fully autoclavable. This storage/working rack, with lid, is designed to work with different PCR volumes at the same time. It can accommodate up to 32 individual 0.2 ml PCR tubes, 24 pieces of 1.5/2.0 ml and 16 pieces of 0.5 ml microtubes. Tube wells are alpha-numerically matrixed with raised bold type for accurate sample identification. The rack also has a transparent lid for easy viewing of samples. Frosted writing panels on four sides allow labelling or writing. rack dimensions 215 x 118 x 50 mm

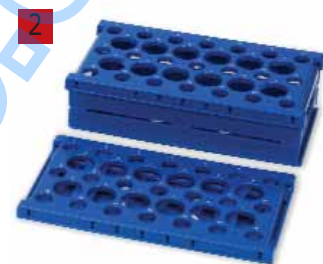
Description	PK	Cat. No.
Rack dimensions 215 x 118 x 50mm	1	6.255 805



2 Tube Rack pop-up™, foldable, PP

Robust polypropylene construction. Simple, easy to open and close. Flatten for compact storage. Pops up for instant use. Expand and collapse when racks are needed. Printed grid aids rapid retrieval. Stack racks in open or closed position. Saves space when racks are not in use. Not recommended for steam sterilisation. Dimensions (L x W x H): 255mm x 137mm x 72mm when expanded, 21mm high when collapsed.

Colour	For	PK	Cat. No.
Pink	21 x 15ml and 12 x 50ml tubes	2	9.193 997
Blue	21 x 15ml and 12 x 50ml tubes	2	9.193 998
Purple	45 x 15 ml tubes	2	6.254 577
Green	18 x 50 ml tubes	2	6.254 578



3 Tube Rack Rota-Rack®, PP

Interlocked racks. Rotate each of the four modules independently. Use several sizes of test tubes, culture tubes, centrifuge tubes or microcentrifuge tubes at the same time. Autoclavable. Each module of the Rota-Rack® for large tubes holds 2 x 50ml tubes, 8 x 15ml tubes, 6 x 20mm tubes or 10 x 10/13mm tubes. Each module of the Rota-Rack® for microtubes holds 6 x 15ml tubes, 9 x 1.5/2.0ml tubes, 12 x 0.5ml tubes or 32 x 0.2ml PCR tubes or 4 x 8-tube strips.

Description	Length mm	Width mm	Height mm	PK	Cat. No.
Rota-Rack® for large tubes	224	110	110	1	9.193 988
Rota-Rack® for micro tubes	210	100	100	1	9.193 989



Tube Rack, epoxy-coated steel

Chemically resistant racks for transport or sample handling.

- Typ A:** Rack suitable for low profile tubes up to a diameter of 25mm or a diameter of 33mm. Mesh bottom support.
- Typ B:** Support capped tubes 15ml up to 20mm diameter 3x5 format or 50ml tubes up to 30mm diameter 2x4 format. Slotted bottom.
- Typ C:** Holds bottles 250ml up to 60mm diameter. Slotted bottom

Type	Array	For tubes diam. mm	Length mm	Width mm	Height mm	PK	Cat. No.
A	2 x 6	25	164	64	32	1	9.194 021
A	5 x 10	25	271	145	32	1	9.194 022
A	2 x 6	33	212	80	60	1	9.194 023
A	5 x 10	33	355	189	60	1	9.194 024
B	3 x 5	20	127	76	76	1	6.243 203
B	2 x 4	30	147	80	89	1	6.239 754
C	2 x 3	60	205	135	104	1	9.194 025



9.194 024



9.194 025

Vessels/Tube racks



1 Rack for centrifuge tubes, ABS

NEW!

Isolab

Rack comes as "ready" unit and no assembly required.
 Suitable to be used up to 16mm diameter tubes. Bottom of each tube compartment has a silicone gripping finger that holds the tube at centralised position not recommended for autoclaving.
 For tube diameter 15 - 16 mm.
 Tube quantity 50.
 Tube array 5 x 10.

Array	For tubes diam.	PK	Cat. No.
	mm		
5 x 10	15 - 16	1	6.255 802



2 Tube rack, PP

Isolab

Manufactured from high density polypropylene. Moulded-in alpha numeric grid reference on the top tier of the rack allows easy sample identification.
 Due to their weights, they do not float in the water baths.
 Rack dimensions 140mm x 275mm x 72mm

Array	For tubes diam.	PK	Cat. No.
	mm		
50	12 - 13	1	9.193 141
50	15 - 16	1	9.193 142
50	17 - 18	1	9.193 143
45	18 - 20	1	9.193 144
26	28 - 30	1	9.193 145



3 Tube rack PP

Isolab

Manufactured from high density polypropylene. Due to their weights, they do not float in the water baths, not even in agitated water. These racks are supplied dismantled and can be easily assembled. A moulded-in alpha-numeric grid reference on the top tier of the rack allows easy sample identification.
 Rack dimensions : 250mm x 110mm x 70mm

Array	For tubes diam.	PK	Cat. No.
	mm		
6 x 15	13	1	9.193 146
5 x 12	16	1	6.238 007
4 x 10	20	1	7.970 029
3 x 8	25	1	9.193 147
3 x 7	30	1	6.237 160

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1. General laboratory consumables

Vessels/Tube racks

1 | 2 Test tube rack, PP

PP. For all common test tube diameters. Very sturdy design. All openings are widely spaced apart to accommodate screw cap tubes. All racks have the same footprint and can be stacked easily when empty. Modified PP with greater density than water makes them ideal for use in water baths. Large marking area (60 x 12mm) for barcode labels and alphanumeric references for clear sample identification. Racks are supplied in three parts for quick and permanent assembly. Continuous use temperature -20 to +90°C. Autoclavable at 121°C (2 bar), according to DIN EN 285. Choice of colours as outlined below.

BRAND

Array	For tubes diam.	Dimensions (l x w x h)	Colour	PK	Cat. No.
	mm	mm			
6 x 14	13	265 x 126 x 75	White	1	9.193 240
6 x 14	13	265 x 126 x 75	Blue	1	9.193 241
6 x 14	13	265 x 126 x 75	Red	1	9.193 242
6 x 14	13	265 x 126 x 75	Yellow	1	9.193 243
5 x 11	16	265 x 126 x 75	White	1	9.193 230
5 x 11	16	265 x 126 x 75	Blue	1	9.193 231
5 x 11	16	265 x 126 x 75	Red	1	9.193 232
5 x 11	16	265 x 126 x 75	Yellow	1	9.193 233
5 x 11	18	265 x 126 x 75	White	1	9.193 245
5 x 11	18	265 x 126 x 75	Blue	1	9.193 246
5 x 11	18	265 x 126 x 75	Red	1	9.193 247
5 x 11	18	265 x 126 x 75	Yellow	1	9.193 248
4 x 10	20	265 x 126 x 75	White	1	9.193 250
4 x 10	20	265 x 126 x 75	Blue	1	9.193 251
4 x 10	20	265 x 126 x 75	Red	1	9.193 252
4 x 10	20	265 x 126 x 75	Yellow	1	9.193 253
4 x 8	25	265 x 126 x 88	White	1	9.193 255
4 x 8	25	265 x 126 x 88	Blue	1	9.193 256
4 x 8	25	265 x 126 x 88	Red	1	9.193 257
4 x 8	25	265 x 126 x 88	Yellow	1	9.193 258
3 x 7	30	265 x 126 x 88	White	1	9.193 260
3 x 7	30	265 x 126 x 88	Blue	1	9.193 261
3 x 7	30	265 x 126 x 88	Red	1	9.193 262
3 x 7	30	265 x 126 x 88	Yellow	1	9.193 263



3 Tube standing and drying racks, PP

Autoclavable, fiberglass-reinforced polypropylene racks are ideal for bench work or storage of test tubes. Allows easy viewing of tube contents. Does not float in water baths. User can also turn tubes as well as electrophoresis and chromatography plates upside-down and use as a drying rack. The flexible peg design is suitable for tubes with a diameter of 10mm to 13mm and 14mm to 17mm. Includes embossed indexing and drainage holes.

Heathrow Scientific



Colour	For tubes	No. of pegs	Length	Width	Height	PK	Cat. No.
			mm	mm	mm		
White	14 to 17mm	50	188	104	69	1	6.243 212
Blue	14 to 17mm	50	188	104	69	1	6.243 213
White	10 to 13mm	96	182	126	69	1	6.243 210
Blue	10 to 13mm	96	182	126	69	1	6.243 211

4 Test tube racks, PP



Natural PP. Sturdy construction. Autoclavable in steam up to 121°C. With alpha-numeric row indicators. Dimensions: (L x W): 213 x 110mm.

Height	For tubes diam.	Array	PK	Cat. No.
mm	mm			
111	10-13	6 x 12	1	9.193 071
111	13-16	5 x 10	1	9.193 072
127	16-20	4 x 8	1	9.193 073
127	21-25	3 x 6	1	9.193 074
127	27-30	3 x 5	1	9.193 075



Vessels/Tube racks



1 Tube racks, PP

Will not float. Alphanumeric grid referenced on top tier for easy identification of samples.
Stackable when empty. Can be used in freezers or water baths.
Autoclavable at 121°C for 20 min.

Kartell

Array	For tubes diam.	Dimensions (l x w x h)	Colour	PK	Cat. No.
	mm	mm			
90	13	246 x 105 x 64	white	1	6.205 483
90	13	246 x 105 x 64	blue	1	6.224 460
90	13	246 x 105 x 64	yellow	1	6.206 439
90	13	246 x 105 x 64	red	1	9.193 200
60	16	246 x 105 x 72	white	1	6.205 109
60	16	246 x 105 x 72	blue	1	6.206 347
60	16	246 x 105 x 72	yellow	1	6.206 305
60	16	246 x 105 x 72	red	1	6.204 936
40	20	246 x 105 x 72	white	1	6.205 110
40	20	246 x 105 x 72	blue	1	6.206 206
40	20	246 x 105 x 72	yellow	1	6.224 461
40	20	246 x 105 x 72	red	1	9.193 201
40	25	295 x 125 x 85	white	1	6.236 328
40	25	295 x 125 x 85	blue	1	6.236 329
40	25	295 x 125 x 85	yellow	1	6.236 330
40	25	295 x 125 x 85	red	1	9.193 202
24	30	300 x 112 x 85	white	1	6.207 191
24	30	300 x 112 x 85	blue	1	7.632 543
24	30	300 x 112 x 85	red	1	6.401 582
24	30	300 x 112 x 85	yellow	1	6.204 134



2 Test tube racks, Type 5970, polyketone

3-tier grid design. Will not float. Single moulding, with no sharp edges or corners.
Alphanumeric grid referenced on top tier for easy identification of samples.
End plates can be labelled or written on. Autoclavable.

Thermo Scientific

Note: Do not autoclave when loaded with filled test tubes. Do not expose to strong concentrated acids.

Type	Array	For tubes diam.	Colour	Length	Width	Height	PK	Cat. No.
		mm		mm	mm	mm		
5970	6 x 12	13	White	200	102	57	1	9.194 513
5970	6 x 12	13	Orange	200	102	57	1	9.194 523
5970	6 x 12	13	Yellow	200	102	57	1	9.194 533
5970	6 x 12	13	Blue	200	102	57	1	9.194 543
5970	6 x 12	13	Green	200	102	57	1	9.194 553
5970	6 x 12	13	Red	200	102	57	1	9.194 563
5970	6 x 12	16	White	248	127	70	1	9.194 514
5970	6 x 12	16	Orange	248	127	70	1	9.194 524
5970	6 x 12	16	Yellow	248	127	70	1	9.194 534
5970	6 x 12	16	Blue	248	127	70	1	9.194 544
5970	6 x 12	16	Green	248	127	70	1	9.194 554
5970	6 x 12	16	Red	248	127	70	1	9.194 564
5970	4 x 10	20	White	250	102	83	1	9.194 515
5970	4 x 10	20	Orange	250	102	83	1	9.194 525
5970	4 x 10	20	Yellow	250	102	83	1	9.194 535
5970	4 x 10	20	Blue	250	102	83	1	9.194 545
5970	4 x 10	20	Green	250	102	83	1	9.194 555
5970	4 x 10	20	Red	250	102	83	1	9.194 565
5970	4 x 10	25	White	300	121	92	1	9.194 516
5970	4 x 10	25	Orange	300	121	92	1	9.194 526
5970	4 x 10	25	Yellow	300	121	92	1	9.194 536
5970	4 x 10	25	Blue	300	121	92	1	9.194 546
5970	4 x 10	25	Green	300	121	92	1	9.194 556
5970	4 x 10	25	Red	300	121	92	1	9.194 566
5970	3 x 8	30	White	283	108	83	1	9.194 517
5970	3 x 8	30	Orange	283	108	83	1	9.194 527
5970	3 x 8	30	Yellow	283	108	83	1	9.194 537
5970	3 x 8	30	Blue	283	108	83	1	9.194 547
5970	3 x 8	30	Green	283	108	83	1	9.194 557
5970	3 x 8	30	Red	283	108	83	1	9.194 567

Also available in half sizes (Type 5972).

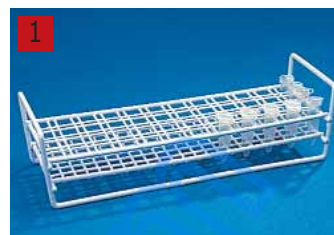
1. General laboratory consumables

Vessels/Tube racks

1 Reaction tubes stand, PE-coated wire

PE-coated wire. For 4 x 12 reaction vessels 1.5ml, distance between compartments is 5mm. With two handles.

Array	Length	Width	Height	PK	Cat. No.
	mm	mm	mm		
4 x 12	250	90	40	1	9.409 390



2 Test tube racks, wire/nylon

White nylon coated or stainless steel wire, electrochemically polished. 3-tier design, second tier approximately 30mm high. For 50ml test tubes.

Hole size: approx. 30 x 30mm
 Distance between each compartment: approx. 5mm

Type	Array	Dimensions (l x w x h)	PK	Cat. No.
		mm		
Nylon coated wire	4 x 2	150 x 80 x 80	1	9.193 970
Nylon coated wire	5 x 2	190 x 80 x 80	1	9.193 972
Nylon coated wire	6 x 2	230 x 80 x 80	1	9.193 974
Stainless steel wire	4 x 2	150 x 80 x 80	1	9.193 971
Stainless steel wire	5 x 2	190 x 80 x 80	1	9.193 973
Stainless steel wire	6 x 2	230 x 80 x 80	1	9.193 975



3 Test tube racks, wire/nylon

Wire with white nylon coating. 3-tier design, second tier approximately 30mm high. Opening size 18 x 18mm. Temperature resistant up to 80°C max.

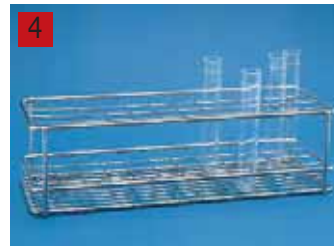
Array	Height	PK	Cat. No.
	mm		
2 x 6	70	1	9.193 762
2 x 10	70	1	9.193 764
2 x 12	70	1	9.193 766
3 x 12	70	1	9.193 768
4 x 6	70	1	9.193 772
4 x 12	70	1	9.193 774
10 x 10	70	1	9.193 776
2 x 12	100	1	9.193 784
4 x 12	100	1	9.193 788



4 Test tube racks, stainless steel

Corrosion resistant, stainless steel wire. Electrochemically polished. Opening size 18 x 18mm. Mesh grid levels are positioned at the top and 30mm above the base.

Array	Height	PK	Cat. No.
	mm		
2 x 12	70	1	9.193 824
3 x 12	70	1	9.193 836
4 x 12	70	1	9.193 848
4 x 12	100	1	9.193 948



Vessels/Tube racks



9.409 014

LLG-Test tube racks, self-aligning, stainless steel

Robust stainless steel (brushed) test tube racks. Due to the special construction the racks align the test tubes automatically so that the tubes are more comfortable to use. Contamination from vessel to vessel is also reduced as the tops of the tubes do not touch. Dishwasher safe, steam autoclavable, suitable for dry heat (200°C) and water bath. Each rack holds up to 50 test tubes.

For neck diam. mm	Bore diam. mm	Dimensions (l x w x h) mm	PK	Cat. No.
14	15.5	202 x 110 x 75	1	9.409 013
16	17.5	224 x 120 x 75	1	9.409 014



2 Test tube stands, wood

Two tier with rods. For tubes up to 18mm diameter.

Array	For tubes diam. mm	PK	Cat. No.
2 x 6	18	1	9.193 012
2 x 9	18	1	9.193 018
2 x 12	18	1	9.193 024



3 Test tube racks, PP

Blue. For tubes up to 18mm in diameter. Autoclavable and unbreakable. Can be dismantled. Can be recycled.

Array	For tubes diam. mm	PK	Cat. No.
12	18	1	9.193 112
24	18	1	9.193 124



4 Tube clamp, stainless steel

NEW!

Ideal for handling hot tubes or to heat test tubes up to 30 mm diameter. Manufactured from stainless steel with a finger grip. With a long arm for better handling and to avoid close contact between fingers and the flame. High resistance to heat up to 100°C.

Length mm	PK	Cat. No.
130	1	6.202 530



5 Test tube holders, wood

Wood with metal spring.

For neck diam. mm	PK	Cat. No.
Up to 20	1	9.193 992
Up to 30	1	9.193 993

1. General laboratory consumables

Vessels/Tube racks-Containers

1 LLG-Sample containers, PP, with screw cap, HDPE (NEW!)

- Ideal for liquid specimen collection, transportation and storage.
- Container made of non-cytotoxic polypropylene
 - Very solid quality
 - Top and bottom gripping assures easy opening and closing when wearing gloves
 - Half-transparency containers
 - With graduation
 - With label

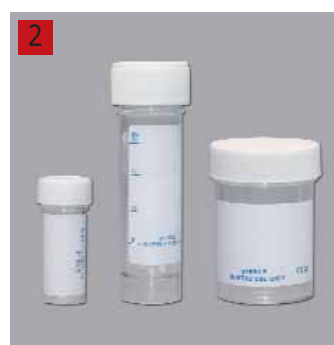
Capacity	Height	Outer diam.	Ø Cover	PK	Cat. No.
ml	mm	mm	mm		
20	42	32	37	1000	6.265 649
40	40	45	50	500	6.265 650
60	58	45	50	500	6.265 651
90	77	45	50	300	6.265 652
120	77	53	58	300	6.265 653
250	52	89	97	154	6.265 654
500	110	89	97	132	6.265 655
1000	138	111	120	64	6.265 656



2 LLG-Sample containers, PS, with screw cap, PE/PP (NEW!)

- Ideal for many applications as sample collection, transportation or storage
- Container made from virgin polystyrene. All materials are non-cytotoxic
 - 30ml container with conical skirted bottom
 - Ideal for small volume samples
 - Leakproof-tested
 - Unique leak tight cap ensures exceptional leak proof seal
 - With plain label

Capacity	Height	Outer diam.	Ø Cover	Material container	Material Lid	PK	Cat. No.
ml	mm	mm	mm				
7	48	17	22	PS	PP	700	6.265 646
30	90	24	30	PS	PP	50	6.265 647
60	58	39	43	PS	PE	60	6.265 648




3 LLG-Sample containers with tamper-evident cap, PS and PP

White with tamper-evident cap. Multi-purpose containers e.g. for storage or transport of samples.

Capacity	Diam. with cap	Height with cap	Material container	Material Lid	PK	Cat. No.
ml	mm	mm				
40	36	52	PS	PE-LD	10	9.402 350
100	58	58	PP	PP	10	9.402 353
250	64	95	PS	PE-LD	10	9.402 356
1000	116	116	PP	PP	5	9.402 359



 More containers - please see page 513.

Vessels/Containers



1 LLG-Round sample containers, PP



White with screwed on lid.

Capacity ml	Diam. with cap mm	Height with cap mm	PK	Cat. No.
30	58	19	10	9.402 310
75	58	47	10	9.402 313
310	81	81	10	9.402 318
600	119	67	10	9.402 321
1250	119	130	5	9.402 324



2 Jars, PP with PP screw cap

White, complete with red PP screw cap, in safe pack with certificate of analysis.

Capacity ml	Diam. with cap mm	Height with cap mm	PK	Cat. No.
25	34	40	25	7.077 661
90	56	52	25	7.077 852
125	56	68	25	7.085 372
250	73	79	20	7.053 933
500	96	90	9	7.052 896
625	96	113	6	7.051 092
1000	112	129	3	7.052 895
1250	112	159	3	7.053 930



3 LLG-Sample containers, PS, with metal cap, sterile



Ideal for sample collection and storage. Made of virgin polystyrene. All materials are non-cytotoxic. The metal cap with inert PVC-Liner ensures leak proof seal.

Capacity ml	Diam. with cap mm	Height with cap mm	PK	Cat. No.
60	43	60	60	6.261 958
100	49	75	40	6.261 959
250	63	121	25	6.261 960



4 Containers, PP with lids

BRAND

Capacity ml	Diam. with cap mm	Height with cap mm	PK	Cat. No.
ca. 50	56	25	1	9.402 415
ca. 115	75	30	1	9.402 420



5 Jars with snap cap, PE

Slightly tapered with snap cap attached which snaps tightly closed when pressed.

Kartell

Capacity ml	Diam. with cap mm	Height with cap mm	PK	Cat. No.
1	8	32	100	9.401 805
3	14	32	1	9.401 820
5	15	49	1	9.401 822
7	23	33	1	9.401 830
8	17	58	1	9.401 825
20	25	75	1	9.401 835
25	31	53	1	9.401 838
35	31	75	1	9.401 840

1. General laboratory consumables

Vessels/Containers

1 Sample containers, PP with snap on caps, PE-LD

Transparent. VITLAB
 With PE-LD snap-on lid. Conical shape.
 Food-safe product according to EC Directive No. 10/2011.

Capacity ml	Diam. with cap mm	Height with cap mm	PK	Cat. No.
5	20	25	1	9.402 770
18	22	57	1	9.402 776
50	30	97	1	9.402 782
160	50	110	1	9.402 784



2 Rolled rim bottles, AR glass with PE snap-on lid

With PE snap-on lid. Tight closing.

Capacity ml	Diam. with cap mm	Height with cap mm	PK	Cat. No.
3	19	31	200	9.400 211
5	19	41	200	9.400 215
10	21	51	200	9.400 220
10	22	46	200	9.400 225
15	24	53	200	9.400 235
20	27	56	200	9.400 240
20	25	71	200	9.400 250
25	30	51	250	9.400 230
30	28	76	200	9.400 260
40	30	81	200	9.400 270
50	30	101	200	9.400 280
100	34	146	100	9.400 290



3 Multi-purpose jars, PS

Multi-purpose, Polystyrene jar without cap. Thermo Scientific
Please order cap separately.

Capacity ml	Diam. Jar mm	Height jar mm	PK	Cat. No.
12.5	27	29	1000	4.008 637
20.0	27	41	2400	4.008 944
30.0	27	60	1200	4.009 104
50.0	41	49	800	4.008 750



4 Lids, PE for multi-purpose jars, PS

Thermo Scientific

For jars ml	PK	Cat. No.
12.5 / 20 / 30	4000	4.008 824
50	2400	4.008 825



Multi-purpose beakers with screw cap, PP

Transparent, with red screw cap. Non-sterile or sterile. Sterile beakers are single packed. Ratiolab
 Ideal beaker for sampling and storing of solid, muddy and liquid samples.

Capacity ml	Description	Diam. with cap mm	Height with cap mm	PK	Cat. No.
30	non-sterile	43	48	1000	9.401 860
30	sterile	43	48	1000	6.258 713
60	non-sterile*	43	67	600	6.260 493
60	sterile*	43	67	500	6.258 714
120	non-sterile*	62	72	500	6.803 183
120	sterile*	62	72	250	6.093 728
200	sterile	64	81	150	6.262 099
200	non-sterile	64	81	200	6.261 429

*with graduation and labelling area



Vessels/Containers

1

1 Universal -jars, PE-HD with cap, PE-LD

PE-HD with PE-LD cap. Resistant to acids and chemicals. Suitable for cold storage rooms, refrigerators and freezers. Stackable. Food safe. Color: natural.

Capacity ml	Diam. with cap mm	Height with cap mm	PK	Cat. No.
200	98	42	1	9.033 201
400	114	55	1	9.033 202
700	114	88	1	9.033 211
1000	136	110	1	9.033 212
2000	169	143	1	9.033 213

2

2 Jars with screw cap, PP

Transparent. Excellent chemical resistance. Autoclavable - undo cap before autoclaving.

Thermo Scientific

Capacity ml	Diam. with cap mm	Height with cap mm	PK	Cat. No.
15	38	46	12	9.033 230
30	43	48	12	9.033 231
60	53	45	12	9.033 232
125	70	74	12	9.033 233
250	70	119	6	9.033 234
500	120	88	6	9.033 235
1000	120	151	6	9.033 236

3

3 Jars with screw cap, PE-HD

Heavy walled jar and screw cap with cone liner.

Kartell

Capacity ml	Diam. with cap mm	Height with cap mm	PK	Cat. No.
5	21	36	1	9.401 850
10	21	58	1	9.401 851
30	35	53	1	9.401 852
60	35	94	1	9.401 853
90	55	63	1	9.401 854
180	55	110	1	9.401 855

4

4 Jars with screw cap, PC

Cylindrical. Very durable. Stackable. Non-toxic. Suitable for cold storage rooms and refrigerators. Autoclavable - remove cap before autoclaving.

Thermo Scientific

- Excellent for cold room and refrigerated use, easy to see contents
- Wide-mouth and straight sides provide full-access and complete sample retrieval ease
- 15, 30 and 60mL jars have natural polypropylene closures
- 125mL to 1L jars have white polypropylene closures with recessed tops for stacking
- 125 and 250mL sizes fit Osterizer™ and other blenders that have Mason Jar threads, recommended for use with Fluid Transfer Closure 7.048 079
- Not liquid leakproof, not recommended for liquid transport
- Autoclavable/Transparent

Capacity ml	Diam. with cap mm	Height with cap mm	PK	Cat. No.
15	38	46	4	9.033 237
30	43	48	4	9.033 238
60	53	45	4	9.033 239
125	70	74	4	9.033 240
250	70	119	4	9.033 241
500	120	88	4	9.033 242

1 Cylindrical jars with ribbed cap, PE-HD

The cylindrical jars are supplied with insert and cap. Thanks to the large neck they are suitable for powders, solid specimen, creamy or semisolid substances, crystals and hygroscopic substances.

Suitable for foodstuff according to EC Regulation 1935/2004 and EC Regulation 10/2011.

Kartell

Capacity ml	Diam. with cap mm	Height with cap mm	Neck i. d. mm	PK	Cat. No.
70	50	60	36	1	6.205 920
120	56	71	36	1	6.206 304
250	69	94	50	1	6.205 857
500	86	107	70	1	6.205 921
1000	111	128	85	1	6.205 922
1500	111	182	87	1	6.226 130
2000	111	235	87	1	6.223 901



2 Storage jars, series 376, PE-HD

Natural round jars without lid. The wide mouth allows for easy filling and cleaning. Black caps available with PE foam leakproof wad - please order separately.

Kautex

Capacity ml	Thread external diam. mm	Height jar mm	PK	Cat. No.
100	40	77	1	9.073 388
250	50	98	1	9.073 389
500	65	122	1	9.073 390
750	65	130	1	9.073 391
1000	80	153	1	9.073 392
1500	80	173	1	9.073 393
2000	80	192	1	9.073 394

Height in mm without lid.



3 Caps for storage jars, series 376, PP

Black, screw cap with PE-foam insert.

Kautex

For jars ml	Thread external diam. mm	PK	Cat. No.
100	40	1	9.073 071
250	50	1	9.073 072
500 and 750	65	1	9.073 073
1000, 1500 and 2000	80	1	9.073 074



4 Wide mouth jars, PET

Transparent with white polypropylene cap. Food-safe. Round, except 2000ml which is square.

Behr

Capacity ml	Ø Cover mm	Diam. Jar mm	Height with cap mm	PK	Cat. No.
100	70	74	38	10	9.103 136
250	70	85	75	10	9.103 137
500	82	88	108	10	9.103 138
1000	110	125	130	10	6.242 746
2000	100	133	181	10	9.103 140
2500	100	135	211	10	9.103 148
3000	100	145	211	10	9.103 149



5 Jars, DURAN®, low form

With removable, drop-on cover from DURAN® glass. Without handle.

DURAN Group

Capacity ml	Diam. with cap mm	Height with cap mm	PK	Cat. No.
75	approx. 67	approx. 46	1	9.033 018
175	approx. 87	approx. 56	1	9.033 026
325	approx. 107	approx. 66	1	9.033 029
1000	approx. 157	approx. 86	1	9.033 034



Vessels/Containers



1 LLG-Wide-neck jars, glass

Twist-off jar, wide-neck. Perfect for sample storage. Glass, clear. Without cap, please order cap separately.

Capacity ml	Ø Glass jar mm	Height Glass jar mm	PK	Cat. No.
106	48	78.0	12	9.070 301
212	63	80.5	12	9.070 302
375	63	120.5	12	9.070 303
720	82	148.0	12	9.070 304
1062	82	176.0	12	9.070 305



2 Caps for LLG wide-neck jars

Twist-off screw cap for LLG- wide-neck jars

Diam. mm	For	PK	Cat. No.
48	106 ml LLG Twist-Off-jar	12	9.070 306
63	212 ml and 375 ml LLG Twist-Off-jar	12	9.070 307
82	720 ml and 1062 ml LLG Twist-Off-jar	12	9.070 308



1 Bottle carriers, wire/PE

Made of PE coated wire.
For carrying laboratory bottles of various sizes.
With base and fixed carrying handle.

For bottles ml	Int. diam. mm	Height mm	PK	Cat. No.
4 x 2000	130	110	1	9.102 204
6 x 2000	130	110	1	9.102 206
8 x 2000	130	110	1	9.102 208
10 x 2000	130	110	1	9.102 210
4 x 1000	100	100	1	9.102 214
6 x 1000	100	100	1	9.102 216
8 x 1000	100	100	1	9.102 218
10 x 1000	100	100	1	9.102 220
4 x 250	80	80	1	9.102 224
6 x 250	80	80	1	9.102 226
8 x 250	80	80	1	9.102 228
10 x 250	80	80	1	9.102 230
12 x 250	80	80	1	9.102 232



2 Bottle carriers, wire/plastic coated

Plastic-coated. Strong wire frame.

For bottles ml	PK	Cat. No.
4 x 1000	1	9.102 321
2 x 2500	1	9.102 322



3 Bottle basket for 6 bottles, ABS

For safe and convenient transportation of maximum 6 bottles of 250 or 500 ml volume. Specially designed for holding 500 ml wash bottles. Strong light weight construction with ergonomic handle offers both comfort and control. Unique design of the bottle basket offers stackable solution for space saving.



Isolab

Description	PK	Cat. No.
for 6 bottles of 250/500ml	1	6.267 361



4 Cleaning baskets, stainless steel wire

With cover, made of non-rusting, electrochemically polished, stainless steel wire. For washing hardware. Frame, base and cover made of 8 x 8 x 1.2mm spot welded wire mesh.

L x W x H approx. 250 x 150 x 150mm.

Type	PK	Cat. No.
Cleaning basket	1	9.908 130



Vessels/Baskets-Transport boxes


1

1 Transport baskets, stainless steel wire

Non-rusting stainless steel, electrochemically polished. With fold down handle that locks into position. Handle with plastic moulding. Made of 8 x 8 x 1.2mm diameter spot welded wire mesh. Base reinforced with two rods.

Width mm	Length mm	Height mm	PK	Cat. No.
300	400	200	1	9.143 090


2

2 Wire baskets, wire/nylon

White. Nylon coated, strong wire.

Width mm	Length mm	Height mm	PK	Cat. No.
100	100	100	1	9.033 341
120	120	120	1	9.033 342
140	140	140	1	9.033 344
160	160	160	1	9.033 346
200	200	200	1	9.033 350


3

3 Wire baskets, stainless steel

Polished stainless steel wire.

Width mm	Length mm	Height mm	PK	Cat. No.
100	100	100	1	9.033 410
120	120	120	1	9.033 412
140	140	140	1	9.033 414
160	160	160	1	9.033 416
180	180	180	1	9.033 418
200	200	200	1	9.033 420
200	300	200	1	9.033 430
200	400	200	1	9.033 440


4

4 Aquaria, soda-lime glass

Thick-walled with coarse ground rim.

Width mm	Depth mm	Height mm	PK	Cat. No.
100	100	100	1	9.003 906
100	150	150	1	9.003 920
130	180	180	1	9.003 932
150	200	200	1	9.003 941
180	250	220	1	9.003 951
220	300	240	1	9.003 954
230	360	260	1	9.003 964


5

5 Display boxes, PS

Polystyrol. Heavy duty, industrial quality. Stackable (lengthways and crosswise). With RAL certificate. Shock-resistant, high impact PS. Food safe colors. Smooth underbody, therefore suitable for transport.

Colour	Width mm	Length mm	Height mm	PK	Cat. No.
red	100	165/140	75	1	9.033 121
blue	100	165/140	75	1	9.033 123
green	100	165/140	75	1	9.033 124
red	145	232/200	125	1	9.033 131
blue	145	232/200	125	1	9.033 133
green	145	232/200	125	1	9.033 134
red	200	336/300	150	1	9.033 141
blue	200	336/300	150	1	9.033 143
green	200	336/300	150	1	9.033 144

1. General laboratory consumables

Vessels/Transport boxes

1 Storage, Stacking and transport containers, PP/PE-HD

White. Thermoplastic resin.
The raw material used is physiologically compatible and corresponds with the directives of the Federal Board of Health.

Capacity Litres	Internal dimensions (W x D x H) mm	External dimensions (W x D x H) mm	Material	PK	Cat. No.
9	510 x 310 x 60	560 x 360 x 64	PP	1	9.301 643
10	410 x 310 x 85	445 x 345 x 90	PP	1	9.301 641
23	395 x 295 x 200	460 x 330 x 210	HDPE	1	9.301 663
28	600 x 400 x 120	660 x 450 x 130	HDPE	1	9.301 647
31	480 x 410 x 160	550 x 450 x 170	HDPE	1	9.301 645
35	530 x 315 x 210	600 x 350 x 220	HDPE	1	9.301 661
50	600 x 400 x 210	660 x 450 x 220	HDPE	1	9.301 649
96	600 x 400 x 400	660 x 450 x 410	PP	1	9.301 651



2 Lids for storage, stacking and transport containers.

Length mm	Width mm	For	PK	Cat. No.
660	450	9.301 647 / 649 / 651	1	9.301 655
460	330	9.301 663	1	9.301 664



3 Collapsible boxes, PP

PP. Dim. (WxDxH): 470 x 340 x 240mm. Capacity: 30L

Colour	PK	Cat. No.
Black	1	9.301 469



Collapsible Box mini, PP, stackable (NEW)

A straightforward and tough folding mechanism permits a safe and easy handling.
Volume 4 liter, weight 180g, load 2.5kg. Dishwasher safe, food safe.
Autoclavable at 120°C, enduring temperature stability from -40°C to 90°C.

Colour	Dimensions mm	PK	Cat. No.
black	265x171x105	1	9.301 480
white	265x171x105	1	9.301 481
blue	265x171x105	1	9.301 482
yellow	265x171x105	1	9.301 483
red	265x171x105	1	9.301 484



9.301 482

Collapsible Box midi, PP, stackable (NEW)

A straightforward and tough folding mechanism permits a safe and easy handling.
Volume 14.5 liter, weight 300g, load 8kg. Dishwasher safe, food safe.
Autoclavable at 120°C, enduring temperature stability from -40°C to 90°C.
The Folding Box mini perfectly fits two-times into the Midi.

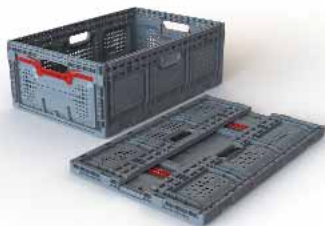
Colour	Dimensions mm	PK	Cat. No.
black	400x300x145	1	9.301 485
white	400x300x145	1	9.301 486
blue	400x300x145	1	9.301 487
yellow	400x300x145	1	9.301 488
red	400x300x145	1	9.301 489



9.301 485

➔ Trolleys - please see page 255

Vessels/Transport boxes

1

1 2 Folding Box maxi, PP, foldable and stackable, active lock **NEW!**

A straightforward and tough folding mechanism permits a safe and easy handling. The Active Lock is optimized in its function and allows a safe, easy and fast erecting and folding of the box. Dishwasher safe, food safe. Autoclavable at 120°C, enduring temperature stability from -40°C to 90°C.

Colour	External dimensions (W x D x H) mm	Capacity		PK	Cat. No.
		l	kg		
black	600 x 400 x 117	22.57	11	1	9.301 490
grey	600 x 400 x 117	22.57	11	1	9.301 491
blue	600 x 400 x 117	22.57	11	1	9.301 492
black	600 x 400 x 156	30.79	15	1	9.301 493
grey	600 x 400 x 156	30.79	15	1	9.301 494
blue	600 x 400 x 156	30.79	15	1	9.301 495
black	600 x 400 x 180	35.85	18	1	9.301 496
grey	600 x 400 x 180	35.85	18	1	9.301 497
blue	600 x 400 x 180	35.85	18	1	9.301 498
black	600 x 400 x 220	44.29	22	1	9.301 499
grey	600 x 400 x 220	44.29	22	1	9.301 500
blue	600 x 400 x 220	44.29	22	1	9.301 501

2

3

3 Euronormboxes, PP, stackable **NEW!**

Solid transparent plastic containers, odorless, cold- and heat-resistant, stable against the most acids and alkalis. Dishwasher safe, food safe. Two sizes (40x30cm und 60x40cm) available. Corresponding lids please order separately. Suitable Trolley (Cat.No.: 9.301 502)

Type	External dimensions (W x D x H) mm	Capacity		PK	Cat. No.
		l	kg		
Euronormbox	400 x 300 x 220	20		1	9.301 503
Euronormbox	600 x 400 x 220	46		1	9.301 504
Euronormbox	600 x 400 x 320	66		1	9.301 505
Lid	400 x 300 x 10	-		1	9.301 506
Lid	600 x 400 x 10	-		1	9.301 507

4

4 Insert Boxes for Euronormboxes, PP **NEW!**

Fit perfectly into the euronormboxes. Color: grey. The maximum number of cases per Euronormbox please refer to the table.

Subdivision	External dimensions (W x D x H) mm	Capacity		PK	Cat. No.
		l	max. Qty.		
1/8	176 x 137 x 80	1.7	8	1	9.301 508
1/4	280 x 178 x 80	2	4	1	9.301 509
1/2	560 x 178 x 80	4	2	1	9.301 510
1/2	352 x 270 x 80	6.5	2	1	9.301 511

5

5 Transport and storage containers, PE-HD

Stackable.

Kartell

Width mm	Length mm	Height mm	PK	Cat. No.
415	315	200		
595	365	255	1	9.301 556
695	440	306	1	9.301 566

1. General laboratory consumables

Vessels/Transport boxes-Buckets

1 Euro-boxes, aluminium alloy

- High strength, corrosion resistant aluminium alloy
- Stainless steel hinges
- Cover for protection against dust and water
- Strengthened rim
- Cover clamp straps
- Can be secured with lead seal, padlock or fitted lock
- Stackable
- Impact resistant, blue plastic stacking brackets



Internal dimensions (W x D x H) mm	External dimensions (W x D x H) mm	Capacity	Weight	PK	Cat. No.
		litres	g		
350 x 250 x 310	400 x 300 x 340	27	3000	1	9.301 356
550 x 350 x 220	600 x 400 x 250	42	4700	1	9.301 357
550 x 350 x 310	600 x 400 x 340	60	4900	1	9.301 358
550 x 350 x 380	600 x 400 x 410	73	5200	1	9.301 359
750 x 350 x 310	800 x 400 x 340	81	6100	1	9.301 360
750 x 550 x 380	800 x 600 x 410	157	7500	1	9.301 361
750 x 550 x 580	800 x 600 x 610	239	8900	1	9.301 362

Usable dimensions approx. 30mm less than internal dimensions.

2 Storage boxes, PE-HD with tightly closing PE-LD lid

PE-HD. With tightly closing PE-LD lid. Suitable for cold storage rooms and refrigerators. Temperature range/withstands temperatures (without mechanical stress) from -20 to +95°C. Stackable. Acid and chemical resistant. Food safe. Colour: natural.



Capacity L	Width mm	Length mm	Height mm	PK	Cat. No.
0.50	103	103	64	1	9.033 270
1.00	103	103	127	1	9.033 275
1.00	103	208	64	1	9.033 280
1.50	103	208	94	1	9.033 285
2.00	103	255	94	1	9.033 286
2.00	208	208	64	1	9.033 287
3.20	208	208	94	1	9.033 288

3 LLG-Buckets white with lid, PP

For transport, packaging and storage of foodstuffs, building materials and non-corrosive chemicals. Stability guaranteed when filling up with material up to 80°C.



Capacity Litres	Diam. mm	Height mm	PK	Cat. No.
1	131	127	1	9.040 030
2	179	133	1	9.040 031
3	198	141	1	9.040 032
5	224	193	1	9.040 033
10	266	265	1	9.040 034

4 LLG-Buckets, PP

Round version 10L with metal handle, graduated, white.

Capacity Litres	PK	Cat. No.
10	1	9.040 216



Vessels/Buckets



1 Buckets, PE-HD, Lids, PE-LD

White. Without spout. With division into 1L segments.
Stable handle with reinforcement in the middle for comfortable carrying.
Tightly closing, transparent PE-LD lid - please order separately.

VITLAB

Description	Capacity Litres	Diam. mm	Height mm	PK	Cat. No.
Buckets	5	250	240	1	9.040 006
Buckets	10	290	300	1	9.040 012
Lid	5	-	-	1	9.040 206
Lid	10	-	-	1	9.040 212



2 Buckets with spout, PP

Transparent. With division into 1L segments.
With stable handle and spout for easy emptying.
Highly resistant to chemicals. Without lid.
Food-safe product according to EC Directive No. 10/2011.

VITLAB

Capacity Litres	Diam. mm	Height mm	PK	Cat. No.
12	310	330	1	9.040 022
15	310	370	1	9.040 025



3 Buckets, series 610/615, PE-LD

Graduated.
- thick-walled
- very stable
- durable
- litre scale
- laboratory and industrial bucket (white) with plastic coated steel carrying handle
- builder's bucket (grey) with rust-free handle

Kautex

Type 1: with spout

Type 2: without spout

Type	Capacity Litres	Colour	Bottom diam. mm	Top diam. mm	Height mm	PK	Cat. No.
1	10	white	193	280	300	1	9.040 110
1	15	white	235	316	335	1	9.040 115
2	10	white	212	253	279	1	9.040 010
2	10	grey	212	253	279	1	9.040 011

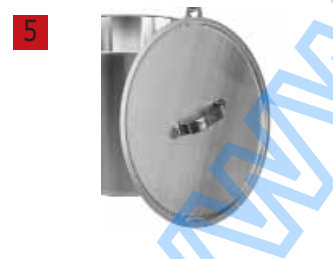


4 Buckets, 18/10 steel

Graduated. With handle.
Lids - Order separately.

RSG

Capacity Litres	Diam. mm	Height mm	PK	Cat. No.
6	260	190	1	9.040 325
10	280	235	1	9.040 330
12	300	270	1	9.040 332
15	310	305	1	9.040 335



5 Lids for buckets 18/10 stainless steel

RSG

For buckets	Diam. mm	PK	Cat. No.
6L	260	1	7.623 893
10L	280	1	6.901 567
12L	300	1	7.636 628
15L	310	1	7.612 465



6 Transport containers with lid and handle, 18/10 steel

Bochem

Height mm	Diam. mm	Capacity Litres	PK	Cat. No.
155	100	1	1	9.039 921
170	135	2	1	9.039 922
185	160	3	1	9.039 923
240	180	5	1	9.039 925
280	180	6	1	9.039 926
280	225	10	1	9.039 928

1. General laboratory consumables

Vessels/Buckets-Aspirators and Carboys

1 LLG-Bottles, wide mouth, PE-HD



Suitable for food. With carrying handle. Ideal for containing liquids, powders and granules. Very strong and durable quality for extended use over time. With gasket in the screw cap and additional inner cap for a very tight seal. Screw cap can be attached to the bottle using the integrated loops.



Capacity	Neck Int. diam.	Neck Ext. diam.	Body diam.	Height	Handle	PK	Cat. No.
Litres	mm	mm	mm	mm			
5	84	94	170	350	1	1	9.139 938
10	99	109	210	420	1	1	9.139 939

2 LLG-Aspirator Bottles, narrow neck, PE-HD



With carrying handle. Suitable for food. Very strong and durable quality for extended use over time. With gasket in the screw cap for a very tight seal. Screw cap can be attached to the bottle using the integrated loops. With thread of 12 mm depth for use with a 3/4" stopcock. Please order the stopcock separately (Cat. No. 9.139 937). The bottles can be used in ambient temperatures below 0°C.



Capacity	Neck Int. diam.	Neck Ext. diam.	Body diam.	Height	Handle	PK	Cat. No.
Litres	mm	mm	mm	mm			
5	52	62	160	350	1	1	9.139 929
10	52	62	210	430	1	1	9.139 930
25	84	97	270	570	2	1	9.139 931
50	84	97	350	690	2	1	9.139 932

3 LLG-Aspirator Bottles, narrow neck, PE-HD, with stopcock



With carrying handle and 3/4" stopcock. Thread and opening for stopcock provided. Suitable for food. Very strong and durable quality for extended use over time. With gasket in the screw cap for a very tight seal. Screw cap can be attached to the bottle using the integrated loops. The bottles can be used in ambient temperatures below 0°C.



Capacity	Neck Int. diam.	Neck Ext. diam.	Body diam.	Height	Handle	PK	Cat. No.
litres	mm	mm	mm	mm			
5	52	62	160	350	1	1	9.139 933
10	52	62	210	430	1	1	9.139 934
25	84	97	270	570	2	1	9.139 935
50	84	97	350	690	2	1	9.139 936

4 LLG-Stopcock, 3/4", for Aspirator bottles

For 9.139 933 to 9.139 936 and 9.139 929 to 9.139 932.

Type	PK	Cat. No.
Tap for aspirator bottles	1	9.139 937



1 Aspirator bottles, PE-HD

Natural, narrow-neck storage bottles with or without scale. Storage vessel with drain made of food-safe polyethylene. With UV protection for long life. Resistant to acids and chemicals. Special colour and printing possible. With metal carrying belt. With threaded plug and wide thread 22mm. With white screw cap Ø 65mm. With 2 O-rings/seals. Other sizes available on request.

Please order stopcocks and adapter for stopcocks with R 1/2" separately.

Description	Capacity	Ext. diam.	Height	PK	Cat. No.
	Litres	mm	mm		
Aspirator bottles, without scale	5	167	348	1	9.002 601
Aspirator bottles, without scale	10	210	427	1	9.002 602
Aspirator bottles, without scale	25	275	580	1	9.002 603
Aspirator bottles, with scale	5	167	348	1	9.002 606
Aspirator bottles, with scale	10	210	427	1	9.002 607
Aspirator bottles, with scale	25	275	580	1	9.002 608
Angle valve with sleeve connection 19mm (3/4")				1	6.253 481 ²
Adapter for stopcocks with R 1/2"				1	6.227 536
Angle valve, straight, with sleeve connection 12mm (1/2")				1	9.002 670 ³
Angle valve curved, with sleeve connection 12mm (1/2")				1	9.002 671



4 Aspirator bottles, series 350, PE-HD

Food-grade product according to Regulation (EC) No 10/2011. Natural with printed blue graduations (in L) and screw closure. With or without threaded connection at base. Inside neck diameter 50mm.

Kautex

Please order stopcock separately.

Capacity	Stopcock connection	Handle	Ext. diam.	Height	PK	Cat. No.
Litres			mm	mm		
5	without	1	167	330	1	9.011 009
10	without	1	206	427	1	9.011 010
25	without	2	278	580	1	9.011 025
60	without	2	346	823	1	9.011 060
5	with	1	167	330	1	9.011 069
10	with	1	206	427	1	9.011 071
25	with	2	278	580	1	9.011 072
60	with	2	346	823	1	9.011 076

Height in mm without cap.



5 Accessories for series 350 aspirator bottles

NEW!

Type	Figure	PK	Cat. No.
Stopcock, blue PE-HD	a	1	9.011 181
Blanking plug with sealing, natural PE-HD	b	1	9.011 170
Stopcock, blue PP	c	1	9.139 997
Reducer, blue for 9.139 997	d	1	9.011 078



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1 2 Aspirator Carboys, Type 2319, 2250, with handle, PP

With 83mm diameter. With screw cap and shoulder handles. Graduated. For nutritive media, distilled water or other solutions. Leakproof. Not for use with aggressive substances. Neck also accepts stoppers, 36mm in height and a top/bottom diameter of 75/62mm. Autoclavable - for best results, autoclave using a properly vented closure.

Thermo Scientific



Type	Capacity Litres	Description	PK	Cat. No.
2319	10	with stopcock	1	9.002 721
2319	20	with stopcock	1	9.002 722
2319	50	with stopcock	1	9.002 723
2250	10	without stopcock	1	9.011 102
2250	20	without stopcock	1	9.011 103
2250	50	without stopcock	1	9.011 104

3 Aspirator carboys, Type 2322, PC

Transparent. With PP stopcock. Graduated. Leakproof. Robust. Suitable for use in cold rooms. Autoclavable, before autoclaving, unscrew cap and set on bottle neck.

Thermo Scientific



Type	Capacity Litres	Width mm	Depth mm	Height mm	PK	Cat. No.
2322	9	216	146	362	1	9.139 916
2322	20	318	219	381	1	9.139 917



1 Aspirator carboys Type 2320, PE-HD

With PP stopcock. Graduated. Leakproof. Stable. Rigid. Suitable for use in cold rooms.

Thermo Scientific

Type	Capacity Litres	Width mm	Depth mm	Height mm	PK	Cat. No.
2320	9	216	146	356	1	9.139 918
2320	20	318	219	381	1	9.139 919



2 Aspirator carboys Type 2321, PP

Aspirator carboy with screw cap and stopcock made of PP. With stainless steel handle. Graduated. Inside diameter of 86mm neck opening. Robust. Autoclavable only when empty, before autoclaving, unscrew cap.

Thermo Scientific

Type	Capacity Litres	Width mm	Depth mm	Height mm	PK	Cat. No.
2321	9	216	146	356	1	9.139 921
2321	20	318	219	381	1	9.139 922



3 Carboys Type 2211, PE-HD

With PP screw cap. Robust. Space-saving. With graduations and stainless steel handles. Inside diameter 86mm neck opening. The 20L carboy has recessed handles.

Thermo Scientific

Type	Capacity Litres	Width mm	Depth mm	Height mm	PK	Cat. No.
2211	9	216	146	343	1	9.139 906
2211	20	318	219	381	1	9.139 907



4 Stopcocks, quick action Type 6422, 6432, PP or ETFE for Aspirator carboys

Type 6422 PP. Autoclavable. Standard stopcock with quick acting closure.

Accepts tubing with an inside diameter of up to 16mm.

For tubing with an inside diameter of 6.4mm to 7.9mm. PE-HD adapter is provided.

Thermo Scientific

Type 6432. Autoclavable. Housing and plugs made of Tefzel® ETFE.

For tubing with an inside diameter of 6.4mm to 7.9mm. Without adapter.

Type	Material	PK	Cat. No.
6422	PP	1	9.139 925
6432	ETFE	1	9.139 926

Tefzel® is registered trademark of DuPont.



1. General laboratory consumables

Vessels/Aspirators and Carboys

1 | 2 Space saving jerrycan Flachmann LaboPlast®, PP

The compact jerrycan Flachman is ideal as a space-saving canister with a width of only 6.5cm. Different liquids can be stored and decanted in a small space. Flachmann can also be stored lying on its side e.g. in a refrigerator. It is very stable due to ribbed structure and thick sides. Using the support stand for two or three canisters, any number of canisters can safely be placed in the open. The compact jerrycan can also be used as a settling canister.

- With or without threaded connector 3/4"
- PP, transparent
- Canister without valve autoclavable
- Volume: 5L
- Dimensions (WxDxH): 65 x 335 x 335mm
- Graduations: 250ml
- With moulded, indestructible litre graduation

Bürkle



Space-saving Compact set: Flachmann LaboPlast® canister and Compact stopcock

The Flachmann canister is ideal to store and decant liquids in a small space. The Compact stop cock for canisters and barrels features an impressive compact design, which does not overlap the footprint of the canister and there fore can be stored on its side e.g. within a refrigerator or rack without screwing off the stop-cock.

Type	PK	Cat. No.
with screw neck, with tamper-evident cap, PP, blue	1	9.140 002
without screw neck, with tamper-evident cap, PP, blue	1	9.140 001
Compact jerrycan & Compact stop cock set (9.140 003)	1	9.140 004
Compact jerrycan & stop cock set (9.139 997)	1	9.140 011
Support stand for 2 jerrycans	1	9.139 999
Support stand for 3 jerrycans	1	9.139 996



Stopcocks LaboPlast®

StopCock Siphon

- With rotatable spout, preventing drips
- With tapered spout for bottles with narrow openings from diameter 6mm to 8mm
- Fits screw threads with R 3/4"
- Pressure proof to 2 bar at 20°C without discharge angle
- Seals made of PTFE and PE, parts in contact with media made of PP, PE and PTFE

Bürkle



9.139 997

StopCock Compact

- Compact design, the short discharge does not protrude out over the lower edge of the container
- The specially optimised design of the discharge forms an even stream of liquid with no splashing or spattering
- The Compact stop cock fits all containers with R 3/4" connecting threads
- PP, PE and PTFE are materials that offer outstanding chemical resistance to acids and bases



9.140 003

StopCock PA

- Made of polyamide electroconductive, can be grounded separately
- Ideally suited for solvents
- Inexpensive alternative to stainless steel stopcocks
- PTFE seal
- Including adapter for 3/4" inner thread made of PA electroconductive
- Fits all containers with 3/4" outer thread and with included adapter, to all 3/4" inner threads
- Pressure proof to 2 bar at 20°C without discharge angle



9.140 000

Type	PK	Cat. No.
StopCock Siphon	1	9.139 997 2
StopCock Compact	1	9.140 003 4
StopCock PA	1	9.140 000 5

Vessels/Aspirators and Carboys

1


1 Wide-mouth jerrycans, PE-HD

PE-HD. 88mm filling opening. Offers UV protection. With thread and stopper on the narrow side. Wide thread 22mm. Food safe. Angle valves for 9.002 670 and 9.002 671, 10L variant with additional small spout.

Capacity Litres	Width mm	Depth mm	Height mm	PK	Cat. No.
10	154	302	397	1	9.139 975
22	180	370	475	1	9.139 970

2


2 Angled stopcocks/Angle valve, PE-HD

HDPE. With spout attachment 12mm (1/2") diameter and 22mm threaded connector. For bottles and wide-mouth carboys. Acid and chemical resistant, pressure resistant up to 1.5 bar. For 9.139 975 and 9.139 970. Food safe.

Description	PK	Cat. No.
Angled stopcock, straight	1	9.002 670
Angled stopcock, curved	1	9.002 671

3


3 Jerrycan with integrated spout, PE-HD

Jerrycan in stable design for varied applications in industry and leisure made of food safe polyethylene (PE-HD)

Hünersdorff

- UV protection for long life
- Especially suitable for drinking water and food
- space-saving and stackable
- integrated spout with wide thread
- With transparent PE-protective film
- Blue screw cap 65mm diameter
- With threaded plug and wide thread 22mm

Capacity Litres	Width mm	Length mm	Height mm	PK	Cat. No.
10	350	165	310	1	9.002 611
20	350	165	495	1	9.002 612

4


4 Aspirator Carboys behroplast®, PE

Polyethylene, with welded stopcock. Food-safe. Leakproof, even after prolonged use.

Behr

Capacity Litres	Width mm	Length mm	Height mm	PK	Cat. No.
5	160	190	240	1	9.140 100
10	190	190	360	1	9.140 101
15	170	380	370	1	9.140 097
20	250	280	370	1	9.140 098
25	240	300	450	1	9.140 099
30	260	300	450	1	9.140 102
60	330	390	670	1	9.140 103



1. General laboratory consumables

Vessels/Aspirators and Carboys

1 Industrial jerrycans, PE-HD

Jerrycans with capacity of 2 to 30L.
Please order closures separately.

Kautex



Capacity	Width	Depth	Height	Weight	Thread external diam.	Colour	PK	Cat. No.
L	mm	mm	mm	g	mm			
2.00	145	109	196	110	45	natural	1	9.140 021
2.50	153	115	208	125	45*	natural	1	9.140 022
3.00	153	115	240	140	45*	natural	1	9.140 023
5.00	190	145	251	250	50*	natural	1	9.140 025
6.00	192	145	294	265	45	natural	1	9.140 026
8.00	230	190	270	320	45	natural	1	9.140 027
10.00	230	190	310	450	50*	natural	1	9.140 030
20.00	290	246	385	950	60*	blue	1	9.140 032
25.00	290	246	450	1100	60*	blue	1	9.140 031
30.00	320	284	435	1250	60*	blue	1	9.140 033
20.00	290	246	385	950	60*	natural	1	9.140 037
30.00	320	284	435	1250	60*	natural	1	9.140 038

* With UN approval.

2 Screw caps and accessories for industrial carboys, PE-HD

Kautex



Description	For	PK	Cat. No.
Black, with tear-off ring and vent	2 / 2.5 / 3 / 6 / 8 litre jerrycans	1	9.140 048
Black, with tear-off ring and vent	5 / 10 litre jerrycans	1	9.140 068
Black, with tear-off ring and vent	20 / 25 / 30 litre jerrycans	1	9.140 050
Black, with tear-off ring	2 / 2.5 / 3 / 6 / 8 litre jerrycans	1	9.140 051
Black, with tear-off ring	5 / 10 litre jerrycans	1	9.140 046
Black, with tear-off ring	20 / 25 / 30 litre jerrycans	1	9.140 047
Red, with tear-off ring	2 / 2.5 / 3 / 6 / 8 litre jerrycans	1	9.140 040
Red, with tear-off ring	5 / 10 litre jerrycans	1	9.140 042
Red, with tear-off ring	20 / 25 / 30 litre jerrycans	1	9.140 043
With stopcock	2 / 2.5 / 3 / 6 / 8 litre jerrycans	1	9.140 062
With stopcock	5 / 10 litre jerrycans	1	9.140 061
With stopcock	20 / 25 / 30 litre jerrycans	1	9.140 063
With pump dispenser	2 / 2.5 / 3 / 6 / 8 litre jerrycans	1	9.140 054
With pump dispenser	10 litre jerrycans	1	9.140 065
With pump dispenser	20 litre jerrycans	1	9.140 070
With pump dispenser	25 litre jerrycans	1	9.140 071
With pump dispenser	30 litre jerrycans	1	9.140 072
Wrench, PE-HD to apply / remove	2 / 2.5 / 3 / 6 / 8 litre jerrycans	1	9.140 073
Wrench, PE-HD to apply / remove	5 / 10 / 20 / 25 / 30 litre jerrycans	1	9.140 108



Vessels/Wide-mouth bottles



1 Laboratory bottles Borosilicate glass 3.3, GL 45, with retrace code

Borosilicate glass 3.3. DIN 168 - 1. EN ISO 4796-1.
With graduations and retrace code, pouring ring, PP screw cap and ISO thread.
Certificates are available on request.

Capacity	Ext. diam.	Height	PK	Cat. No.
ml	mm	mm		
100	56	100	10	9.072 331
250	70	138	10	9.072 332
500	86	176	10	9.072 334
1000	101	225	10	9.072 335
2000	136	260	10	9.072 336
5000	186	330	1	9.072 337
10000	234	410	1	9.072 338
20000	299	505	1	6.802 824



2 LLG- Protective netting, roll

From polyethylene for covering glass containers. Cut to size with scissors. Package contains 5m roll.

Description	Colour	For bottles diam. mm	PK	Cat. No.
LLG Safety Nets, roll	red	6 - 15	1	6.258 996
LLG Safety Nets, roll	blue	12 - 25	1	6.510 849
LLG Safety Nets, roll	yellow	20 - 40	1	6.050 131
LLG Safety Nets, roll	green	30 - 60	1	6.050 132
LLG Safety Nets, roll	red	50 - 100	1	6.050 133
LLG Safety Nets, roll	yellow	90 - 200	1	6.079 513



9.071 676



3 DURAN® YOUTILITY Laboratory Bottle system GL 45

- Specially shaped gripping zones on both sides of the bottle for easier and safer handling.
- With the new YOUTILITY bottle thread opening or closing the bottle is significantly faster. The thread is fully compatible with DIN GL 45 closures and other accessories.
- The slimmer YOUTILITY bottle shape allows more optimal use of limited space in autoclaves and laboratory refrigerators.
- A pre-defined labelling area is compatible with the dedicated DURAN® self-adhesive YOUTILITY bottle labels.
- Nominal volume is shown at the top of the easy-to-read graduation scale for fast determination of the volumes.
- Glass bottle body is moulded from the tried and tested DURAN® borosilicate 3.3 Type 1 neutral glass. DURAN® glass offers very good chemical resistance and high temperature resistance.
- The YOUTILITY bottle has an integrated Retrace Code to allow full product traceability. The lot specific certificate of conformance is available at: www.duran-group.com.
- Bottles are available in either clear or amber coloured glass. The amber colour meets the requirements of the USP <660> and Eur. Ph. requirements for UV light protection.
- Each DURAN® YOUTILITY bottle is supplied as a complete system, with a pouring ring (cyan polypropylene) and a GL 45 cap (cyan polypropylene).

DURAN Group



9.071 675

Capacity	Ext. diam.	Height	Neck thread	Colour	PK	Cat. No.
ml	mm	mm	GL			
125	55	124	45	clear	4	9.071 679
250	66	158	45	clear	4	9.071 678
500	78	193	45	clear	4	9.071 677
1000	93	253	45	clear	4	9.071 676 
125	55	124	45	amber	4	9.071 672
250	66	158	45	amber	4	9.071 673
500	78	193	45	amber	4	9.071 674
1000	93	253	45	amber	4	9.071 675 

Accessories for DURAN® YOUTILITY Laboratory Bottle system

DURAN Group

Description	PK	Cat. No.
Spare screw caps, GL 45, cyan, PP, food safe	10	9.209 137
Spare pouring ring, GL 45, cyan, PP	16	9.209 138
Bottle tags, GL 45, 8 colours (2 tags each), silicone	16	9.209 139
Self-adhesive label set (200 bottle and 200 cap labels), PES	1	9.209 140

1. General laboratory consumables

Vessels/Wide-mouth bottles

Laboratory bottles DURAN®

To ISO 4796-1. Thread acc. to DIN 168-1 and approximate graduations.

A ring mark on the shoulder of the 100ml to 2000ml bottles makes the filling height of the nominal capacity visible.

The 25ml bottle has a specially shaped glass rim for pouring (eliminating the need for an additional pouring ring).

Neutral glass/Type I glass in compliance with USP/EP and JP. With easy to read scale and large labelling field for easy marking, in fired-on, highly durable white ceramic. With Retrace code (Batch identification).

Certificate available via the Internet. Autoclavable.

1 DURAN® laboratory glass bottle GL 25

Areas of application

- Storing expensive/sensitive media, reference samples etc.
- Packaging bottle for reference samples, stability tests, proficiency tests and deuteration solutions
- Shipping bottle for small sample volumes
- Storing proteins, vitamins, DNA

DURAN Group

Description	Capacity ml	PK	Cat. No.
clear, without cap	10	1	9.072 181
clear, with cap	10	1	9.072 182
amber, without cap	10	1	9.072 183
amber, with cap	10	1	9.072 184
protect laboratory glass bottle, without cap	10	1	9.072 185



2 Laboratory bottles, DURAN®, with retrace code, without screw cap



Please order cap and pouring ring separately.

DURAN Group

Capacity ml	Diam. mm	Height mm	Neck thread GL	PK	Cat. No.
25*	36	70	25	1	9.072 013
50	46	87	32	1	9.072 020
100	56	100	45	1	9.072 011
150**	62	105	45	1	9.071 683
250	70	138	45	1	9.072 012
500	86	176	45	1	9.072 015
750**	95	203	45	1	9.071 684
1000	101	225	45	1	9.072 016
2000	136	260	45	1	9.072 017
3500**	160	295	45	1	9.071 685
5000	182	330	45	1	9.072 018
10000	227	410	45	1	9.072 019
15000	268	445	45	1	7.079 854
20000	288	505	45	1	9.072 014

*With specially shaped glass edge for improved pouring out (so that an additional plastic pouring ring is not required)

**Acceptance within iso 4796 standard has been requested



3 Laboratory bottles, DURAN®, with retrace code, with screw cap

With blue PP screw cap and pouring ring.

DURAN Group

Capacity ml	Diam. mm	Height with cap mm	Neck thread GL	PK	Cat. No.
25*	36	74	25	1	9.072 003
50	46	91	32	1	9.072 000
100	56	105	45	1	9.072 001
150	62	105	45	1	9.071 680
250	70	143	45	1	9.072 002
500	86	181	45	1	9.072 005
750	95	203	45	1	9.071 681
1000	101	230	45	1	9.072 010
2000	136	265	45	1	9.072 007
3500	160	295	45	1	9.071 682
5000	182	335	45	1	9.072 008
10000	227	415	45	1	9.072 004
15000	268	450	45	1	7.076 312
20000	288	510	45	1	9.072 009

*With specially shaped glass edge for improved pouring out (so that an additional plastic pouring ring is not required).



Vessels/Wide-mouth bottles



1 Laboratory bottles, DURAN® amber, with retrace code

DURAN®. ISO 4796-1, Amber with DIN thread. Neutral glass/Type I glass acc. to USP/EP and JP. DURAN Group
 Autoclavable. With approximate graduations. A ring-shaped moulding on the shoulder of the 100 to 2000ml bottles makes the filling height of the nominal capacity visible.
 The 25ml bottle has a specially formed rim for pouring (eliminating the need for an additional pouring ring).
 UV protection up to 500nm. Unaffected DURAN® properties within the bottle, as colour is applied only to the outer surface. Very uniform, durable and chemically resistant, amber colour due to innovative technology.
 With Retrace code (Batch identification). Certificate available via the Internet.
Please order screw cap and pouring ring separately.

Capacity ml	Diam. mm	Height mm	Neck thread GL	PK	Cat. No.
25	36	70	25	1	9.071 979
50	46	87	32	1	9.071 980
100	56	100	45	1	9.071 981
150	62	105	45	1	9.071 686
250	70	138	45	1	9.071 982
500	86	176	45	1	9.071 983
750	95	203	45	1	9.071 687
1000	101	225	45	1	9.071 984
2000	136	260	45	1	9.071 985
3500	160	295	45	1	9.071 688
5000	182	330	45	1	9.071 987
10000	227	410	45	1	9.071 988
15000	268	445	45	1	7.021 486
20000	288	505	45	1	9.071 989



2 Safety-coated bottles, DURAN®, with retrace code



Glass laboratory bottles with DIN thread to ISO 4796-1. DURAN Group
 Safety-coated in plastic (DURAN® Protect). Neutral glass/Type I acc. to USP/EP.
 With Retrace code (Batch identification). Certificate available via the Internet. Autoclavable.

DURAN® Protect is a resistant and transparent plastic coating based on a cross-linked co-polymer (polyurethane) applied onto DURAN® 3.3 borosilicate glass. The coating made from PU adheres to the glass surface and fulfils the following functions:

- protects the glass surfaces against mechanical damage (**scratch protection**)
- keeps fragments together in the event of glass breakage (**shatter protection**)
- minimises loss of fluid in the event of glass breakage (**leak and spray protection**)
- absorbs UV rays up to a light wavelength of 380 nm (**light protection**)
- (Cat. No.: 9.071 999) only scratch protection.

Temperature resistance

Do not subject to an open flame or direct heat (e.g. on a laboratory hotplate). The maximum operating temperature sustained is 135°C - continuous use at this temperature (>30 mins.) should be avoided.

DURAN® Protect is suitable for freezing (down to -30°C) and for use in microwaves.

Please order cap and pouring ring separately.

Capacity ml	Ext. diam. mm	Height mm	Neck thread GL	PK	Cat. No.
100	56	100	45	1	9.071 991
150	62	105	45	1	9.071 689
250	70	138	45	1	9.071 992
500	86	176	45	1	9.071 995
750	95	203	45	1	9.071 690
1000	101	225	45	1	9.071 996
2000	136	260	45	1	9.071 997
3500	160	295	45	1	9.071 691
5000	182	330	45	1	9.071 998
10000	227	410	45	1	9.071 999

➔ Bottle carriers - please see page 47.

1. General laboratory consumables

Vessels/Wide-mouth bottles

1 Reagent bottles DURAN®, clear/amber, pressure resistant

DURAN® reagent bottles, DIN thread, ISO 4796. Pressure resistance, as a result of amended shape, in the range of -1 up to +1.5 bar (tested by the TÜV in accordance with DIN EN 1595, with GS mark). Neutral/Type 1 glass in accordance with USP/EP. With Retrace code (Batch identification). Certificate available via the Internet. Autoclavable. **Please order cap and pouring ring separately.**

DURAN Group



Capacity	Ext. diam.	Height	Neck thread	Colour	PK	Cat. No.
ml	mm	mm	GL			
250	70	138	45	clear	1	9.071 706
500	86	176	45	clear	1	9.071 707
1000	101	225	45	clear	1	9.971 704
250	70	138	45	amber	1	9.071 701
500	86	176	45	amber	1	9.071 702
1000	101	225	45	amber	1	9.971 703

2 Laboratory bottles Premium, DURAN®, with retrace code

DURAN®. ISO 4796-1, DIN ISO 718. Premium laboratory bottle with DIN thread. Highly leak-tight using Premium screw cap. Working temperature from -196°C up to 260°C. With PTFE coated silicone seal and pouring ring. With additional reverse scale, accuracy ±5%. Thermal shock resistance of 160K (tested by the German TÜV and with GS mark). Bottle and screw cap in accordance to USP/EP guidelines (Glass Type I/Neutral glass, screw cap raw material USP Class VI, seal FDA). Screw cap material is similar to PFA and highly resistant against chemicals. The material is free from colourants and therefore no leaching takes place. DMF available upon request. Premium bottle and screw cap fulfil highest requirements of the pharmaceutical, chemical and food industry. With Retrace code (Batch identification). Certificate available via the Internet (available for cap and bottle). Autoclavable.

DURAN Group



Capacity	Ext. diam.	Height*	Neck thread	PK	Cat. No.
ml	mm	mm	GL		
100	56	105	45	1	9.072 155
250	70	143	45	1	9.072 156
500	86	181	45	1	9.072 157
1000	101	230	45	1	9.072 158

*Height mm incl. cap

3 Square shape laboratory bottles, DURAN®, with retrace code

Easy to use due to square shape, highly stable, good stackability - proven DURAN® properties give a space saving of 44% in comparison with standard laboratory bottles (example applies to 100ml bottles) With pouring ring and PP screw cap. Temperature (max.): +140°C

Advantages:

- proven DURAN® properties
- excellent chemical resistance
- low coefficient of expansion
- can be sterilised to 140°C. Before autoclaving, unscrew closure and set lightly on the container. Do not tighten the closure.
- freezer limit: -40°C. Only freeze the bottle by laying at an angle and if maximum ¾ full.
- ergonomic shape
- very stable
- with Retrace code (Batch identification). Certificate available via the Internet.
- neutral glass/Type I glass acc. to USP/EP and JP.

DURAN Group



Capacity	Neck thread	Width	Height*	PK	Cat. No.
ml	GL	mm	mm		
100	32	50	109	1	9.072 076
250	45	64	143	1	9.072 077
500	45	78	181	1	9.072 078
1000	45	94	222	1	9.072 079

*Height mm incl. cap

Vessels/Wide-mouth bottles



1 Square, screw cap bottles, wide-mouth, soda-lime glass

NEW!

Soda-lime glass. With short thread. Hydrolytical class 3.
Please order pouring ring separately.

DURAN Group

Capacity ml	Diam. mm	Height mm	Neck thread GL	Colour	PK	Cat. No.
50	48	70	32	clear	1	9.072 073
100	49	109	32	clear	1	9.072 071
250	64	146	45	clear	1	9.072 072
500	77	173	54	clear	1	9.072 075
1000	97	213	60	clear	1	9.072 080
100	49	109	32	amber	1	9.072 081
250	64	146	45	amber	1	9.072 082
500	77	173	54	amber	1	9.072 085
1000	97	213	54	amber	1	9.072 090



2 Screw caps, PP

NEW!

PP. DIN thread. With lip seal. Temperature resistant to 140°C.
Only suitable for DURAN® laboratory bottles.

DURAN Group

Neck thread GL	Colour	PK	Cat. No.
25	blue	1	9.209 065
32	blue	1	9.209 067
45	blue	1	9.209 069
45	yellow	1	9.072 400
45	green	1	9.072 401
45	grey	1	9.072 402
80	blue	1	9.140 110



3 Pouring rings, PP

PP. Autoclavable to 140°C (steam).

DURAN Group

Neck thread GL	Colour	PK	Cat. No.
32	blue	1	9.209 081
45	blue	1	9.209 083
45	green	1	9.209 075
45	grey	1	9.209 076
45	yellow	1	9.209 077



4 Screw caps, high temperature, PBT

Red. DIN thread. With PTFE-coated silicone seal. Withstands temperatures up to 180°C.
Autoclavable.

DURAN Group

Neck thread GL	PK	Cat. No.
14	1	9.209 014
18	1	9.209 018
25	1	9.209 025
32	1	9.209 032
45	1	9.209 045



5 Gaskets, silicone/PTFE and pouring rings, ETFE

Pouring rings, ETFE.
For screw caps made from PBT. Autoclavable.
Thermal resistance: max. 180°C

DURAN Group

Silicone gasket (VMQ), PTFE coated.
For screw caps made from PBT. Autoclavable.
Thermal resistance: max. 130°C (steam), 200°C (heat)

Type	Neck thread GL	Material	PK	Cat. No.
Gasket	14	silicone, PTFE coated	1	9.209 440 5
Gasket	18	silicone, PTFE coated	1	9.209 441
Gasket	25	silicone, PTFE coated	1	9.209 442
Gasket	32	silicone, PTFE coated	1	9.209 443
Gasket	45	silicone, PTFE coated	1	9.209 444
Pouring ring	32	ETFE	1	9.209 086 6
Pouring ring	45	ETFE	1	9.209 088

1. General laboratory consumables

Vessels/Wide-mouth bottles

1 Membrane Cap, PP/ PTFE

Cap from PP, membrane from PTFE. Ideal for autoclaving processes because the membrane permits pressure equalisation and tight sealing, reducing the risk of contamination. Temperature resistant up to 140°C.
Typical applications: storage or transport of gas generating media, autoclaving of media.

DURAN Group



Neck thread	PK	Cat. No.
GL		
25	1	9.284 567
32	1	9.284 568
45	1	9.209 068
80	1	9.284 531

2 Screw cap, GL45, with 2 hose connections, PP

This new hose connection system has been specially developed for the connection of soft elastic tubing which, for example, is used in biotechnology for transferring media with the aid of peristaltic pumps.
The curved hose connections prevent kinking of the tubing. The grey PP core moves freely and allows the vessel to be changed without twisting the securely attached tubing. Autoclavable.

DURAN Group



Properties/application:

- safe, sterile transfer of liquid media within a closed system
- highly versatile because the screw cap is based on the standard GL45 thread
- ideal for use with elastic, soft tubing of 6 - 9mm i.d. (Viton®, Tygon®, silicone)
- 2 x polypropylene, curved, hose connections on top and straight connections below
- optional filter top part for sterile pressure equalisation available
- temperature resistant up to +140°C
- autoclavable/dishwasher-proof

Description	PK	Cat. No.
Screw cap, with 2 hose connections	1	6.240 019
Filter top part	1	9.071 692

3 Wide-mouth bottles with GLS 80® neck, DURAN®, clear, with screw cap

Laboratory bottle with GLS80® wide neck (80mm diameter). Neutral/Type 1 glass acc. to USP/EP. With PP screw cap and pouring ring (autoclavable and temperature resistant up to 140°C).
With improved quick release cap which allows the bottle to be easily opened and closed with a minimum of turns. The wide neck is ideal for any application with powders or granulates, giving easier filling and emptying. Special thread means opening takes less than a turn. With Retrace code (Batch identification). Certificate available via the Internet.

DURAN Group



Capacity	Diam.	Height without closure	PK	Cat. No.
ml	mm	mm		
250	95	105.0	1	9.071 896
500	101	152.0	1	9.284 510
1000	101	222.0	1	9.284 511
2000	136	252.0	1	9.284 512
3500	160	271.0	1	9.071 966
5000	182	314.0	1	9.284 513
10000	227	389.0	1	9.284 514
20000	288	484.0	1	9.284 515

➔ Further Safety caps - please see page 1373.



Vessels/Wide-mouth bottles



1 Wide-mouth bottles GLS 80®, DURAN® amber glass

Temperature-resistant, bottle can be used up to 500°C (for short periods), screw cap and pouring ring up to +140°C. Protects light-sensitive media from light wavelengths between 200nm to 470nm. Unaffected DURAN® properties within the bottle, as colour is only applied on the outer surface. Very uniform, durable and chemically resistant amber colour due to innovative technology. With 80mm wide mouth screw thread. Ideal for applications with powders and granules, easy filling and emptying. Neutral glass/Type I glass acc. to USP/EP and JP. With Retrace Code (Batch Identification). Certificate available via the Internet. Autoclavable.

Capacity	Diam.	Height without closure	PK	Cat. No.
ml	mm	mm		
250	95	105.5	1	9.071 899
500	101	148.0	1	9.284 516
1000	101	218.0	1	9.284 517
2000	136	248.0	1	9.284 518
3500	160	271.0	1	9.071 968
5000	182	310.0	1	9.284 519
10000	227	385.0	1	9.284 520
20000	288	480.0	1	9.284 521



2 Wide-mouth bottles GLS 80® protect, DURAN®

Laboratory bottle with batch identification (Retrace Code), certificate available via the internet, with GLS80® wide-mouth (o.d. 80mm). Glass Type I/neutral glass as per USP, EP and JP. Autoclavable. Ideal for any application with powder or granulate, easier filling and emptying. The coating of DURAN® protect is a resistant and transparent plastic coating based on a cross-linked copolymer. Complete with blue quick release closure (PP, integral lip seal) and pouring ring (PP) for drip-free pouring and clean, safe working.

DURAN Group

The coating adheres to the surface of the glass and fulfils the following functions:

- protection of the glass surface against mechanical damage (e.g. scratches)
- keeps broken glass in place after breakage and avoids or reduces leakage
- minimises loss of media in case of breakage
- absorption of light up to a wavelength of 380nm

Temperature resistance:

- autoclavable (< 135°C)
- can be used in microwaves
- high temperature applications for extended periods (>30min) and direct heating with a flame not recommended
- freezing down to -30°C possible

Temperature (max.): 135°C

Capacity	Diam.	Height without closure	PK	Cat. No.
ml	mm	mm		
250	95	105.5	1	9.071 897
500	101	148.0	1	9.284 522
1000	101	218.0	1	9.284 523
2000	136	248.0	1	9.284 524
3500	160	271.0	1	9.071 969
5000	182	310.0	1	9.284 525

We can supply this manufacturer's whole product range !



1. General laboratory consumables

Vessels/Wide-mouth bottles

1 Double-walled wide-mouth bottles GLS 80®, DURAN® NEW!

The DURAN® double-walled wide-mouth bottles GLS 80® incorporate an integral jacket that isolates the contents from the external environment. Heated or cooled liquids can be circulated through the jacket to control the temperature within the screw topped DURAN® bottle.

Applications

- Simple, low cost, jacketed chemostat or bioreactor for cell culture.
- Vessel for temperature-controlled reactions such as enzyme digestions.
- Simple continuous flow stirred reactor system with the optional GLS 80® cap components.
- Thermostatic vessel to maintain fluids, or high viscosity liquids at a constant temperature, useful when working with endo- or exothermic reactions.
- Large cold trap or condenser when used with dry ice in the inner container.

Features

- Usable temperature range of - 40 to + 120°C.
- Manufactured from DURAN® borosilicate 3.3 glass.
- All components are fully autoclavable.
- Available in two sizes: 500 and 1000 ml.
- Compatible with full range of wide mouth GLS 80® connection cap systems for liquid addition or removal during processing.

Capacity	Diam.	Height without closure	PK	Cat. No.
ml	mm	mm		
500	110	170.0	1	6.266 805
1000	110	270.0	1	6.266 806



2 Accessories for Wide-mouth bottles GLS 80®, PP

Temperature resistant up to 140°C. Autoclavable.

DURAN Group

Description	Diam. mm	Height mm	PK	Cat. No.
Screw cap	87	40.0	1	9.140 110
Pouring ring, blue	77	6.8	1	9.284 530
Membrane cap	86	40.0	2	9.284 531



3 Quick release closure, PSU compound, for GLS 80® laboratory bottles

GLS 80® quick release thread allows opening and closing of bottle with three-quarters of a turn

DURAN Group

- Double-sided PTFE-coated silicone seal, medium in contact with PTFE only
- Excellent mechanical stability, high chemical resistance
- Autoclavable/suitable for hot-air sterilisation, Tmax = 180°C
- Suitable GLS 80® pouring ring, PTFE
- Excellent chemical resistance
- Autoclavable/suitable for hot-air sterilisation, Tmax = 250°C

Description	Diam. mm	Height mm	PK	Cat. No.
Screw cap	88.5	40.00	1	7.651 746
Pouring ring		6.85	1	6.237 901



4 Connection system for wide-mouth bottles GLS 80®

Materials used PP, PBT and PTFE. Flexible modular system.

DURAN Group

Five different hose diameters (3.2mm, 6.0mm, 8.0mm, 10.0mm and 12.0mm) can be connected. Sterile pressure equalisation is possible through use of membrane filter. Unused ports can be provided with a blind cap. Typical applications: safe transfer of liquid media within a closed and sterile system (evaporation is reduced). Autoclavable - maximum temperature 140°C.

Description	Neck thread GL	PK	Cat. No.
4-port cap GL 18, diam. 86mm, height approx. 60mm	80	1	9.284 532
Insert for screw cap, inner diam. 3.2mm	18	1	9.284 533
Insert for screw cap, inner diam. 6.0mm	18	1	9.284 534
Insert for screw cap, inner diam. 8.0mm	18	1	9.284 535
Insert for screw cap, inner diam. 10.0mm	18	1	9.284 536
Insert for screw cap, inner diam. 12.0mm	18	1	9.284 537
Screw cap for tube connection, blue	18	1	9.284 538
Pressure equalization for 4-port	18	1	9.284 539
Screw cap, red	18	1	9.284 540



Vessels/Wide-mouth bottles



1 Wide-mouth reagent bottles with stopper, soda-lime glass

Soda-lime glass. To ISO 4796-2. Standard ground joint neck. With glass stopper. Hydrolytic class 3.

DURAN Group

Capacity	Diam.	Height	Neck	Colour	PK	Cat. No.
ml	mm	mm	NS			
50	44	79	24/20	clear	1	9.071 405
100	52	97	29/22	clear	1	9.071 408
250	71	129	34/24	clear	1	9.071 414
500	86	164	45/27	clear	1	9.071 419
1000	107	200	60/46	clear	1	9.071 424
100	52	97	29/22	amber	1	9.071 508
250	71	129	34/24	amber	1	9.071 514
500	86	164	45/27	amber	1	9.071 519
1000	107	200	60/46	amber	1	9.071 524



2 Wide-mouth reagent bottles with stopper, DURAN®

DURAN®. ISO 4796-2. With standard ground joint as outlined below. With glass stoppers. Glass Type I/neutral glass as per USP, EP and JP. With Retrace Code (Batch Identification). Certificate available via the Internet. Autoclavable.

DURAN Group

Capacity	Diam.	Height	Neck	Colour	PK	Cat. No.
ml	mm	mm	NS			
50	44	79	24/20	clear	1	9.071 817
100	52	97	29/22	clear	1	9.071 824
250	70	133	34/35	clear	1	9.071 836
500	86	163	45/40	clear	1	9.071 844
1000	107	201	60/46	clear	1	9.071 854
2000	133	247	60/46	clear	1	9.071 863
50	44	79	24/20	amber	1	9.071 917
100	52	97	29/22	amber	1	9.071 924
250	70	133	34/35	amber	1	9.071 936
500	86	163	45/40	amber	1	9.071 944
1000	107	201	60/46	amber	1	9.071 954
2000	133	247	60/46	amber	1	9.071 963



3 Wide-mouth bottles, soda-lime glass

Clear or amber glass. Round thread neck in accordance with DIN 168.

Please order screw caps separately.

Capacity	Neck thread	Diam.	Height	Colour	PK	Cat. No.
ml	GL	mm	mm			
30	32	36.0	68.0	clear	126	7.960 500
50	32	44.0	75.0	clear	85	7.960 501
100	40	50.0	93.0	clear	63	7.960 502
125	40	54.0	98.0	clear	80	7.960 503
150	45	57.0	104.0	clear	42	9.072 210
250	55	70.0	113.0	clear	48	7.960 504
500	55	84.0	154.0	clear	20	7.960 505
1000	68	103.5	180.5	clear	18	7.960 506
30	32	36.0	68.0	amber	126	7.960 507
50	32	44.0	75.0	amber	85	7.960 508
100	40	50.0	93.0	amber	63	7.960 509
125	40	54.0	98.0	amber	84	7.960 510
150	45	57.0	104.0	amber	48	9.072 211
250	55	70.0	113.0	amber	42	7.960 511
500	55	84.0	154.0	amber	20	7.960 512
1000	68	103.5	180.5	amber	12	7.960 513



4 Screw caps for wide-mouth bottles, PP/LDPE

Cap PP, seal LDPE

For bottles 9.284 516 to 9.284 521, 9.071 899 and 9.071 968.

Neck thread	Material	PK	Cat. No.
GL			
32	PP	1	9.072 164
40	PP	1	9.072 165
45	PP	1	7.075 021
55	PP	1	9.072 166
68	PP	1	9.072 167

1. General laboratory consumables

Vessels/Wide-mouth bottles

Wide-mouth bottles, clear and amber glass, PTFE-lined screw caps

Clear and amber glass. For storage and transport. The PTFE-lined screw caps make them ideal for taking samples.

Behr

Type RB = amber glass
Type RK = clear glass

Type	Capacity ml	Thread diam. mm	PK	Cat. No.
RB 250 GT	250	55	1	9.072 325
RB 500 GT	500	55	1	9.072 326
RB 1000 GT	1000	68	1	9.072 327
RK 250 GT	250	55	1	9.103 200
RK 500 GT	500	55	1	9.103 201
RK 1000 GT	1000	68	1	9.103 202



9.072 325



9.103 200

3 LLG-Wide-mouth bottles, with screw cap, PE-LD, economy pack



Transparent, with cap. The wide neck opening means that the bottles are easy to fill and clean, leak-proof. Ideal for liquids, pastes and granulates.

Capacity ml	Diam. mm	Height mm	Thread external diam. mm	PK	Cat. No.
50	39.0	76.0	32	50	9.073 510
100	48.0	93.5	32	20	9.073 511
250	64.0	120.0	40	10	9.073 512
500	77.0	154.0	50	10	9.073 513
1000	95.0	205.0	65	4	9.073 514
1500	108.0	226.0	65	4	9.073 515
2000	120.0	247.0	65	1	9.073 516



4 Wide-mouth bottles, series 303, PE-LD

Natural, translucent. Thick-walled. Ideal for taking, storing and transporting samples of liquids, pastes and granulated products.

Kautex

Please order closure separately.

Capacity ml	Diam. mm	Height mm	Thread external diam. mm	PK	Cat. No.
50	39.0	76.0	32	1	9.072 981
100	48.0	93.5	32	1	9.072 982
200	59.0	114.0	40	1	9.072 983
250	64.0	120.0	40	1	9.072 984
300	67.5	128.0	40	1	9.072 985
500	77.0	154.0	50	1	9.072 986
750	88.0	173.0	50	1	9.072 987
1000	95.0	205.0	65	1	9.072 988
1500	108.0	226.0	65	1	9.072 989
2000	120.0	247.0	65	1	9.072 990

Height in mm without cap.



5 Caps for wide-mouth bottles, series 303, PE-LD



For 9.072 981 to 9.072 990 series bottles.

Kautex

For Thread o.d. mm	For bottles ml	PK	Cat. No.
32	50, 100	1	9.072 778
40	200, 250, 300	1	9.072 779
50	500, 750	1	9.072 781
65	1000, 1500, 2000	1	9.072 782



Vessels/Wide-mouth bottles



1 Wide-mouth bottles, series 303, PP

Round, Natural without closure. With approximate graduations. Ideal for liquids, pastes and granulates. For taking samples, sending specimens and as transport containers. Can be filled with hot substances. Autoclavable to max. 121°C.

Kautex

Please order closure separately.

Note: Before autoclaving, unscrew closure and set lightly upside down on the container. Do not screw the closure down.

Capacity	Diam.	Thread external diam.	Height without closure	PK	Cat. No.
ml	mm	mm	mm		
100	48.5	32	94.0	1	9.072 965
250	64.5	40	121.0	1	9.072 966
500	77.5	50	155.0	1	9.072 967
1000	96.0	65	205.0	1	9.072 968



2 Screw caps for wide-mouth bottles, series 303, PP

Natural.

Kautex

For Thread o.d.	For bottles	PK	Cat. No.
mm	ml		
32	100	1	9.072 970
40	250	1	9.072 971
50	500	1	9.072 972
65	1000	1	9.072 973



3 Wide-mouth bottles, series 303, PE-LD

Brown, offers protection against UV rays for light sensitive liquids. These wide-mouth bottles are easy to fill and clean. Leakproof.

Kautex

Please order closure separately.

Capacity	Thread external diam.	Height	PK	Cat. No.
ml	mm	mm		
50	32	76.0	1	9.073 681
100	32	93.5	1	9.073 682
250	40	120.0	1	9.073 684
500	50	154.0	1	9.073 686
1000	65	205.0	1	9.073 688

Height in mm without closure.



4 Caps, series 303, PE-LD

Brown, screw caps.

Kautex

For Thread o.d.	For bottles	PK	Cat. No.
mm	ml		
32	50, 100	1	9.073 778
40	250	1	9.073 779
50	500	1	9.073 781
65	1000	1	9.073 782

We can supply this
**manufacturer's
 whole
 product range !**

partner of the



1. General laboratory consumables

Vessels/Wide-mouth bottles

1 Medium neck bottles, series 307, PE-HD with screw cap, PP

With graduations. Leakproof screw cap. Multi-purpose bottles for universal use in the laboratory and in industry. Offers a good level of chemical resistance. Generous neck diameters offer easy filling and cleaning. Ideal for pastes, granulates and withstands heat filling. Kautex



Capacity	Thread external diam.	Height	PK	Cat. No.
ml	mm	mm		
100	25	99.5	1	9.073 344
250	28	129.5	1	9.073 345
500	40	161.0	1	9.073 346
1000	50	203.0	1	9.073 347

Height in mm without closure.

2 Spare screw caps for series 307 medium neck bottles, PP

Natural, spare screw caps. Kautex



For Thread o.d. mm	For bottles ml	PK	Cat. No.
25	100	1	9.073 348
28	250	1	9.073 349
40	500	1	9.072 971
50	1000	1	9.072 972

3 Wide-mouth bottles, series 310, PE-HD

Square, Natural, without closure. Wide mouth, therefore easy to fill and empty, leakproof. Easy to clean. Square shape makes the best use of space. Ribbed sides for a secure hold. With space for a label. Kautex
Please order closure separately.



Capacity	Thread external diam.	Width	Depth	Height	PK	Cat. No.
ml	mm	mm	mm	mm		
250	40	59.0	59.0	110.5	1	9.073 385
500	40	69.0	69.0	145.5	1	9.073 386
1000	50	86.5	86.5	178.5	1	9.073 387

Height in mm without closure.

4 Caps for series 310 PETG and PVC

Black screw caps, suitable for wide mouth containers made of PVC (clear or amber) and PETG. Kautex



For Thread o.d. mm	For bottle ml	PK	Cat. No.
32	50	1	9.073 070
40	100	1	9.073 071
50	200 and 300	1	9.073 072
65	500	1	9.073 073
80	750 and 1000	1	9.073 074
80	2000	1	9.073 075

5 Tamper-evident caps for series 310, PP/PE

Suitable for series 310 PVC wide mouth containers (transparent and amber). Tamper-evident black PP cap with PE foam liner and tamper-evident ring which immediately indicates unauthorised opening. Perfect for determining whether the cap has been removed. Kautex



For Thread o.d. mm	For jars ml	PK	Cat. No.
40	100	1	9.074 071
50	200 and 300	1	9.074 072
65	500	1	9.074 073

Vessels/Wide-mouth bottles



1 Tamper-evident caps for series 310, PP/PTFE

White with PTFE foam liner.

Kautex

For Thread o.d. mm	For bottles ml	PK	Cat. No.
32	100 to 250	1	9.073 480
45	500 to 1000	1	9.073 481



2 Caps for series 310, PE-LD

Natural, screw cap for 9.073 385 to 9.073 387.

NEW!
Kautex

For Thread o.d. mm	For bottles ml	PK	Cat. No.
40	250, 500	1	9.072 779
50	1000	1	9.072 781

3 4 Square reagent bottles, PE-HD

Natural or white. Wide neck. UN approved for solid materials.

Kautex

Please order closure separately.

Capacity ml	Colour	Width mm	Depth mm	Height without closure mm	Thread external diam. mm	PK	Cat. No.
50	natural	36	36	88.5	28*	1	9.072 869
100	natural	45	45	101.0	32	1	9.072 870
250	natural	59	59	128.0	45	1	9.072 871
350	natural	60	60	164.0	45*	1	9.072 877
500	natural	75	75	161.0	54	1	9.072 872
750	natural	83	83	185.0	54	1	9.072 878
1000	natural	85	85	212.0	54	1	9.072 873
1500	natural	108	108	209.0	80	1	9.072 874
2500	natural	122	122	258.0	80	1	9.072 875
4000	natural	142	142	294.0	80	1	9.072 876
50	white	36	36	88.5	28*	1	9.072 879
100	white	45	45	101.0	32	1	9.072 880
250	white	59	59	128.0	45	1	9.072 881
500	white	75	75	161.0	54	1	9.072 882
750	white	83	83	185.0	54	1	9.072 883
1000	white	85	85	212.0	54	1	9.072 884
1500	white	108	108	209.0	80	1	9.072 885
2500	white	122	122	258.0	80	1	9.072 886
4000	white	142	142	294.0	80	1	9.072 887

*not UN approved



1. General laboratory consumables

Vessels/Wide-mouth bottles

1 Caps for wide-mouth reagent bottles, PP (melamine*)



Guarantees the functionality and the tightness of the bottle to protect the contents.

Kautex

- Type a) Screw cap, black** with 1.5mm PE foam lining. Ensures that the bottle is tightly and safely sealed.
- Type b) Tamper-evident cap, blue**, with conical seal and tamper-evident ring. Immediately indicates unauthorised opening. Perfect for determining whether the cap has been removed.
- Type c) Tamper-evident cap, red**, with PE foam lining and tamper-evident ring. Immediately indicates unauthorised opening. Perfect for determining whether the cap has been removed.



Type	Colour	For bottles ml	Thread external diam. mm	PK	Cat. No.
Type a*	black	50	28	1	9.072 894
Type a	black	100	32	1	9.072 895
Type a	black	250, 350	45	1	9.072 896
Type a	black	500, 750, 1000	54	1	9.072 897
Type a	black	1500 - 4000	80	1	9.072 898
Type b	blue	50	28	1	9.072 904
Type b	blue	100	32	1	9.072 092
Type b	blue	250, 350	45	1	9.072 093
Type b	blue	500, 750, 1000	54	1	9.072 094
Type b	blue	1500 - 4000	80	1	9.072 893
Type c	red	50	28	1	9.072 899
Type c	red	100	32	1	9.072 900
Type c	red	250, 350	45	1	9.072 901
Type c	red	500, 750, 1000	54	1	9.072 902
Type c	red	1500 - 4000	80	1	9.072 903

* melamine.

2 Wide-mouth containers, series 310, PETG

Square, without closure. Crystal clear, ideal for presenting products in their true colours. The wide-mouth enables easy filling and cleaning.

Kautex

Please order closures separately.

Capacity ml	Thread external diam. mm	Height mm	PK	Cat. No.
50	32	60.5	1	9.073 395
100	40	71.0	1	9.073 396
200	50	88.0	1	9.073 397
500	65	108.0	1	9.073 398
1000	80	143.0	1	9.073 399
2000	80	187.0	1	9.073 400

Height in mm without closure.



3 Wide-mouth containers, series 310, PVC

Square, Transparent. Clear, for good product presentation. Amber, for light sensitive contents. The wide mouth allows for easy filling and cleaning. Black PP, tamper-evident leakproof closure.

Kautex

Please order closures separately.

Capacity ml	Colour	Thread external diam. mm	Height mm	PK	Cat. No.
100	Transparent	40	83.5	1	9.074 051
200	Transparent	50	98.5	1	9.074 052
300	Transparent	50	105.5	1	9.074 053
500	Transparent	65	118.5	1	9.074 054
100	Amber	40	83.5	1	9.074 061
200	Amber	50	98.5	1	9.074 062
300	Amber	50	105.5	1	9.074 063
500	Amber	65	118.5	1	9.074 064

Height in mm without closure.



Vessels/Wide-mouth bottles



1 Square, wide-mouth containers, series 310, PVC

Rigid, Amber or Clear PVC containers. Universal container for storage, sample dispatch and transport. The clear version is ideal for colour-fast product presentation.

The amber version is suitable for light sensitive products.

Please order screw caps separately.

Kautex

Capacity	Width	Depth	Height without closure	Thread external diam.	Colour	PK	Cat. No.
ml	mm	mm	mm	mm			
50	38.0	38.0	57.0	32	clear	1	9.073 050
100	46.0	46.0	71.0	40	clear	1	9.073 051
200	59.5	59.5	87.0	50	clear	1	9.073 052
300	67.5	67.5	94.0	50	clear	1	9.073 053
500	80.5	80.5	108.0	65	clear	1	9.073 054
750	91.5	91.5	120.0	80	clear	1	9.073 055
1000	97.5	97.5	143.0	80	clear	1	9.073 056
2000	122.0	122.0	187.0	80	clear	1	9.073 057
50	38.0	38.0	54.0	32	amber	1	9.073 060
100	46.0	46.0	71.0	40	amber	1	9.073 061
200	59.5	59.5	87.0	50	amber	1	9.073 062
300	67.5	67.5	94.0	50	amber	1	9.073 063
500	80.5	80.5	108.0	65	amber	1	9.073 064
750	91.5	91.5	120.0	80	amber	1	9.073 065
1000	97.5	97.5	143.0	80	amber	1	9.073 066
2000	122.0	122.0	187.0	80	amber	1	9.073 067



2 Wide-Mouth Bottles Type 2104, PE-HD with screw cap, PP

Durable, general-purpose bottles with countless applications in the lab or field. Translucent, more rigid than PE-LD. Wide mouth is easy to fill with dry materials or liquids. Excellent chemical resistance to most acids, bases and alcohols. Can be used in freezer - use to -100°C. Suitable for shipping liquids. Leakproof with PP screw cap.

Thermo Scientific

Type	Capacity	Cover type	PK	Cat. No.
	ml	mm		
2104	30	28	12	9.103 221
2104	60	28	12	9.103 222
2104	125	38	12	9.103 223
2104	250	43	12	9.103 224
2104	500	53	12	9.103 225
2104	1000	63	6	9.103 226
2104	1500	63	6	9.103 227



3 Wide-mouth bottles, with closure, 357 series, PE-HD

Multi-sided (octagonal), natural PE-HD, with screw closure. With an extra-large neck opening, this container is ideal for disposal, storage, collection, transport, waste and sampling of dry substances.

Kautex

Capacity	Diam.	Height	Neck diam.	Thread external diam.	PK	Cat. No.
Litres	mm	mm	mm	mm		
5	190 x 180	230	108	120	1	9.073 036
10	230 x 222	303	108	120	1	9.073 042



4 Wide-mouth bottles, 311 series, PE-HD

Natural. Square with recessed handle. Large, wide-mouth containers designed to be space-saving. Safe and easy to use.

Ideal for storing, collecting and transporting dry substances.

Kautex

Type 1: Tamper-evident cap 9.072 893 please order separately.

Type 2: Supplied with closure.

Description	Capacity	Height	Thread external diam.	PK	Cat. No.
	ml	mm	mm		
Type 1 (without cap)	2300	188	80	1	9.072 932
Type 2 (with cap)	4400	263	120	1	9.072 934

1. General laboratory consumables

Vessels/Wide-mouth bottles

1 Tamper-evident cap for 311 series, PP (NEW!) Kautex

Blue, with conical seal and tamper-evident ring for 2.3L wide mouth containers. Immediately indicates unauthorised opening. Perfect for determining whether the cap has been removed.

For	PK	Cat. No.
Type 2300, art. nr. 9.072 932	1	9.072 893



2 Graduated wide-mouth bottles, PE/PP

Polyethylene (body) and Polypropylene (cap). Will withstand considerable pressure before rupturing. Secured by tagging points on bottle and cap. Confidential notes can be placed in the space between insert sealing plug and cap.

Capacity	Grad.	Ext. diam.	Int. diam.	Height	PK	Cat. No.
ml	ml	mm	mm	mm		
50	10	40	24.00	77	1	9.072 950
100	20	48	24.00	89	1	9.072 951
250	25	61	34.50	126	1	9.072 952
500	50	75	34.50	158	1	9.072 953
1000	100	93	45.00	200	1	9.072 954
2000	100	115	45.00	247	1	9.072 955



3 Graduated square bottles, wide-mouth, PE (Body), PP (Cap)

Space saving bottles, ideal for long term storage of samples. Approximate graduations allow reproducible filling without the use of cylinders/beakers. Easy grip caps can be wired down for security. Suitable for foodstuff.

Capacity	Grad.	Width	Length	Height	Tubing i.d.	PK	Cat. No.
ml	ml	mm	mm	mm	mm		
25	5	32	34	52	18.0	1	9.072 943
50	10	38	38	70	24.0	1	9.072 944
100	20	42	48	90	34.5	1	9.072 945
250	50	57	60	110	34.5	1	9.072 946
500	100	70	80	138	45.0	1	9.072 947
1000	100	80	103	176	58.0	1	9.072 948
2000	100	100	134	210	58.0	1	9.072 949



4 Bottles, wide-mouth, PE, graduated

PE. General purpose bottle meeting Food and Drug regulations with pictograms. Wide neck for easy filling and emptying of liquid or powder samples. Conform to DIN 13316 and 168. With PE closure. Deep seal ensures leakproof closure.

Capacity	Grad.	Ext. diam.	Height	Tubing i.d.	DIN	PK	Cat. No.
ml	ml	mm	mm	mm	mm		
50	10	38	88	24.0	32	1	9.072 974
100	20	48	105	24.0	32	1	9.072 975
250	25	60	140	38.0	45	1	9.072 976
500	100	75	170	38.0	45	1	9.072 977
1000	100	95	206	55.0	63	1	9.072 978
2000	100	120	252	55.0	63	1	9.072 979



5 Graduated wide-mouth bottles

PP, meeting Food and Drug regulations with pictograms. Very sturdy, rupture-proof bottles. Wide mouth for easy filling and emptying of liquid or powder samples. Conforms to DIN 13316 and 168. With PP closure. Deep seals ensure leakproof closure. Autoclavable.

Capacity	Grad.	Ext. diam.	Height	Tubing i.d.	DIN	PK	Cat. No.
ml	ml	mm	mm	mm	mm		
50	10	38	88	24.0	32	1	9.073 030
100	20	48	105	24.0	32	1	9.073 031
250	25	60	140	38.0	45	1	9.073 032
500	100	75	170	38.0	45	1	9.073 033
1000	100	95	206	55.0	63	1	9.073 034
2000	100	120	252	55.0	63	1	9.073 035



Vessels/Wide-mouth bottles



1 Wide-mouth bottle with screw cap Economy Type 2189, PE-HD/PP

With PP screw cap. Economical, ruggedly constructed bottle. Guaranteed leakproof for safe sampling, shipping and storage. Translucent bottle allows viewing of liquid level. EPA-specified sample bottle material for a wide variety of inorganic compound and elemental analyses.

Thermo Scientific

Type	Capacity ml	Cover type mm	PK	Cat. No.
2189	30	28	72	9.103 228
2189	60	28	72	9.103 229
2189	125	38	72	9.103 230
2189	250	43	72	9.103 231
2189	500	53	48	9.103 232
2189	1000	63	24	9.103 233



2 Wide-mouth bottle with screw cap Economy Type DS2185, PE-HD/PP, brown

With amber PP screw cap. Protects light sensitive samples from UV/VIS light transmission during sampling, shipping or storage. Wide mouth allows easy retrieval of grab samples and reduces turbulence when filling. Single-use sample bottle. Leakproof.

Thermo Scientific

Type	Capacity ml	Cover type	PK	Cat. No.
DS2185	30	28	72	9.103 234
DS2185	60	28	72	9.103 235
DS2185	125	38	72	9.103 236
DS2185	250	43	72	9.103 237
DS2185	500	53	48	9.103 238
DS2185	1000	63	24	9.103 239



3 Fluorinated Wide-Mouth Bottles Type 2197, PE-HD

With fluorinated PP screw cap. Safe, durable, cost-efficient line of fluorinated wide-mouth bottles. Fluorinated surface provides improved barrier properties and reduces solvent absorption and permeation. Fluorination enhances long-term container performance, prevents material loss due to permeation and yields lower extractables. Wide mouth design allows for easy filling and dispensing of solid and liquid materials. Split- and puncture-resistant. Recyclable. Leakproof.

Thermo Scientific

Type	Capacity ml	Cover type mm	PK	Cat. No.
2197	125	38	12	9.103 240
2197	250	43	12	9.103 241
2197	500	53	12	9.103 242
2197	1000	63	6	9.103 243



4 Wide-mouth Bottle PassPort IP2 Type 2199, PE-HD

With PP screw closure. Safe, durable, cost-efficient line of wide-mouth bottles for packaging and transporting hazardous materials. Recommended for customers who are designing, assembling and certifying their own combination packaging. Split and puncture resistant. Wide mouth allows for easy filling of dry materials or liquids. Heavy duty walls. Moulded into base: IP2 marking, material, volume, registration notch and the Nalgene® brand name. Evaluated at 15psi (103kPa) per 49 CFR 173.27 (c) (2), ICAO Technical Instructions Part 3-1;1.1.6.1, and IATA Dangerous Goods Regulations Section 5.0.2.9. Leakproof.

Thermo Scientific

Capacity ml	PK	Cat. No.
125	12	9.103 244
250	12	9.103 245
500	12	9.103 246
1000	6	9.103 247

1. General laboratory consumables

Vessels/Wide-mouth bottles-Wide mouth kegs

1 Wide-Mouth Bottles Type 2105 with screw cap, PP

Transparent. Rigid wall. For general laboratory use.
Withstands temperatures up to +121°C.
Autoclavable - cap should be unscrewed before autoclaving.

Thermo Scientific

Type	Capacity ml	Cover type mm	PK	Cat. No.
2105	30	28	12	9.103 248
2105	60	28	12	9.103 249
2105	125	38	12	9.103 250
2105	250	43	12	9.103 251
2105	500	53	12	9.103 252
2105	1000	63	6	9.103 253



2 Heavy-Duty Vacuum Bottles Type 2126, PP with screw cap PP/TPE

With white PP screw cap and TPE gaskets. Most durable Nalgene-bottle.
Large, thick-walled bottle with wide mouth for extra-rugged service.
Withstand application of full vacuum for 24 hours at 20°C. Leakproof. Autoclavable.

Thermo Scientific

Type	Capacity ml	Cover type mm	PK	Cat. No.
2126	1000	53B	1	7.048 062
2126	2000	53B	1	7.048 063
2126	4000	83B	1	7.048 064
2126	5000	83B	1	7.048 065



3 Wide-mouth bottle Economy Type 2187, PPCO

General-purpose, single-use sample bottle, with PP screw cap. Leakproof. Autoclavable.

Thermo Scientific

Type	Capacity ml	Cover type mm	PK	Cat. No.
2187	30	28	72	9.103 254
2187	60	28	72	9.103 255
2187	125	38	72	9.103 256
2187	250	43	72	9.103 257
2187	500	53	48	9.103 258
2187	1000	63	24	9.103 259



4 5 Kegs, wide mouth, PE, with UN-approval

PE-HD. White, with red lid. UN-approved for Packaging groups I, II and III. Suitable for use with foodstuffs.
Max. filling temperature of 80°C. Product must have cooled down to 30°C before the barrel is closed and stacked.
All barrels can be sealed airtight, watertight and water-vapour tight. Handles as indicated.

Capacity	Diam.	Height	Neck	Handle	PK	Cat. No.
L	mm	mm				
3.6	198	175	Ø 136 mm	without	1	9.050 020
6.4	198	266	Ø 136 mm	without	1	9.050 021
10.4	274	239	Ø 204 mm	without	1	9.050 019
15.4	274	328	Ø 204 mm	without	1	9.050 022
20.0	274	418	Ø 204 mm	without	1	9.050 018
26.4	316	424	Ø 204 mm	without	1	9.050 023
54.0	410	518	Ø 282 mm	with	1	6.900 353
68.5	410	632	Ø 282 mm	with	1	6.401 093



➔ Suction pumps - please see page 1231.

Vessels/Narrow-mouth bottles



1 Narrow-mouth packaging bottles, soda-lime glass

Amber, with PP (Pilferproof) 28 neck finish.
Please order caps separately.

Capacity ml	Diam. mm	Height mm	PK	Cat. No.
30	35.0	71.0	143	9.070 200
50	40.5	81.0	99	9.070 201
100	50.5	96.0	56	9.070 202
250	65.0	133.0	39	9.070 203
500	82.0	160.0	20	9.070 205
1000	100.5	207.0	14	9.070 204



2 Screw caps for narrow-mouth bottles, PP 28

PP Cap (Pilferproof) 28 neck finish, with approx. 19.4mm inner mouth.
For bottles 9.070 200 to 9.070 205 series.

Description	PK	Cat. No.
Closure, black, with foam insert	500	6.303 525
Closure, white, with cone sealing	500	9.070 210
Closure, white, with pouring ring	500	9.070 211
Closure, child proof lock, white, with pouring ring	500	9.070 212
Originality closure, white, with foam insert	500	9.070 213



3 Narrow-mouth bottles, soda-lime glass

Amber or Clear, to DIN 5090. Standard packaging bottles. Round thread neck in accordance with DIN 168.
Please order caps separately.

Capacity ml	Neck thread GL	Diam. mm	Height mm	Colour	PK	Cat. No.
30	18	34.0	74.0	clear	1	9.072 103
50	18	36.5	97.0	clear	1	6.263 036
100	22	45.0	117.0	clear	1	9.072 108
250	22	61.5	148.5	clear	1	9.072 114
500	25	76.0	186.0	clear	1	9.072 119
1000	28	96.5	225.0	clear	1	9.072 124
30	18	34.0	74.0	amber glass	1	9.072 133
50	18	36.5	97.0	amber glass	1	9.072 135
100	22	45.0	117.0	amber glass	1	9.072 138
250	22	61.5	148.5	amber glass	1	9.072 144
500	25	76.0	186.0	amber glass	1	9.072 149
1000	28	96.5	225.0	amber glass	1	9.072 154



4 Screw caps for narrow-mouth bottles, PP/PE-LD

PP cap with PE-LD seal.
For bottles 9.072 103 to 9.072 154 series.

Neck thread GL	PK	Cat. No.
18	1	9.072 160
22	1	9.072 161
25	1	9.072 162
28	1	9.072 163



1. General laboratory consumables

Vessels/Narrow-mouth bottles

1 Narrow-mouth reagent bottles with stopper, soda-lime glass

Amber or Clear. Soda-lime glass. ISO 4796-2. With glass stopper. Hydrolytic class 3. *DURAN Group*
 Standard ground joint neck.

Capacity	Diam.	Height	Neck	Colour	PK	Cat. No.
ml	mm	mm	NS			
100	52	96	14/15	clear	1	9.070 408
250	72	130	19/26	clear	1	9.070 414
500	89	165	24/29	clear	1	9.070 419
1000	110	200	29/32	clear	1	9.070 424
50	42	80	14/15	amber	1	9.070 505
100	52	96	14/15	amber	1	9.070 508
250	72	130	19/26	amber	1	9.070 514
500	89	165	24/29	amber	1	9.070 519
1000	110	200	29/32	amber	1	9.070 524



2 Narrow-mouth reagent bottles with stopper, DURAN®

Amber or Clear. DURAN®. ISO 4796-2. With conical ground joint and glass stopper. *DURAN Group*
 Glass Type I/neutral glass as per USP, EP and JP. With Retrace code (Batch identification).
 Certificate available via the Internet. Autoclavable.

Capacity	Diam.	Height	Neck	Colour	PK	Cat. No.
ml	mm	mm	NS			
10	28	52	10/19	clear	1	9.070 808
25	36	64	12/21	clear	1	9.070 814
50	42	80	14/15	clear	1	9.070 817
100	52	96	14/15	clear	1	9.070 824
250	70	130	19/26	clear	1	9.070 836
500	86	164	24/29	clear	1	9.070 844
1000	107	200	29/32	clear	1	9.070 854
2000	134	248	29/32	clear	1	9.070 863
5000	182	323	45/40	clear	1	9.070 873
10000	227	398	60/46	clear	1	9.070 886
50	42	80	14/15	amber	1	9.070 917
100	52	96	14/15	amber	1	9.070 924
250	70	130	19/26	amber	1	9.070 936
500	86	164	24/29	amber	1	9.070 944
1000	107	200	29/32	amber	1	9.070 954
2000	134	248	29/32	amber	1	9.070 963



3 Reagent bottles, narrow-mouth, glass stopper, Pyrex®

ISO 4796-2 conformed. Made of Borosilicate glass. With ground neck. *Scilabware*
 Supplied with solid glass stopper.

Capacity	Ext. diam.	stopper size	Height	PK	Cat. No.
ml	mm	mm	mm		
100	54	14/15	106	10	9.072 371
250	73	19/26	143	10	9.072 372
500	89	24/29	175	10	9.072 373
1000	111	29/32	214	10	9.072 374
2000	138	29/32	262	10	9.072 375
5000	181	45/40	333	1	9.072 376
10000	227	60/46	414	1	9.072 377
20000	288	60/46	508	1	9.072 378



Vessels/Narrow-mouth bottles



1 Reagent bottles, narrow-mouth, Pyrex®

NEW!

Scilabware

- Complies with ISO 4796
- Borosilicate glass with unground neck
- For use with rubber stoppers (not supplied)

Capacity ml	Ext. diam. mm	Neck diam. mm	Height mm	PK	Cat. No.
100	54	13	95	10	9.072 379
250	73	18	131	10	9.072 380
500	89	23	163	10	9.072 381
1000	111	28	200	10	9.072 382
2000	138	28	248	10	9.072 383
5000	187	44	315	1	9.072 384
10000	227	59	398	1	9.072 385
15000	258	59	460	1	9.072 386
20000	288	59	492	1	9.072 387



2 Narrow-mouth square bottles, soda-lime glass, with screw cap

Soda-lime glass, with high threaded neck. Without closure. Hydrolytical class 3. Without pouring ring and dust cap.

DURAN Group

Capacity ml	Diam. mm	Height mm	Neck thread GL	Colour	PK	Cat. No.
100	49	119	32	clear	1	9.072 051
250	64	155	32	clear	1	9.072 052
500	77	186	32	clear	1	9.072 055
1000	97	223	45	clear	1	9.072 060
100	49	119	32	amber	1	9.072 061
250	64	155	32	amber	1	9.072 062
500	77	186	32	amber	1	9.072 065
1000	97	223	45	amber	1	9.072 070



3 Tamper-evident caps for soda-lime square screw cap bottles, PP

Blue PP. For square screw cap bottles (soda-lime glass).
Type H: Narrow-neck, with high form thread.
Type K: Wide-necked, with short form thread.
Temperature (max.): 140°C

Type	Thread	Diam. mm	Height mm	PK	Cat. No.
32 H	32	45	32	1	9.072 041
45 H	45	60	35	1	9.072 042
32 K	32	44	23	1	9.072 092
45 K	45	58	27	1	9.072 093
54 K	54	69	29	1	9.072 094
60 K	60	78	29	1	9.072 095



4 Dispensers/bottle-top flasks, Dispensette® III, amber soda-lime glass

NEW!

BRAND

Amber soda-lime glass. With PP screw cap and PE-LD pouring ring. Reservoir bottles. Space-saving, square design, except 2500ml reservoir which is cylindrical.

Capacity ml	Neck thread GL	Width mm	Height mm	PK	Cat. No.
100	32	50	125	1	9.284 541
250	32	65	160	1	9.284 542
500	32	80	195	1	9.284 543
1000	45	95	230	1	9.284 544
2500*	45	140	300	1	9.284 545

* cylindrical design

1. General laboratory consumables

Vessels/Narrow-mouth bottles

1 LLG-Narrow-mouth bottles with cap, PE-LD, economy pack

Transparent with cap.

Capacity	Diam.	Height	Thread external diam.	PK	Cat. No.
ml	mm	mm	mm		
50	37.0	78.0	18	50	9.073 500
100	47.0	105.0	18	20	9.073 501
250	63.0	119.0	25	10	9.073 502
500	78.0	152.0	25	10	9.073 503
1000	96.0	206.0	28	4	9.073 504
2000	120.0	264.0	28	1	9.073 505



2 Narrow-mouth bottles, series 301, PE-LD

Natural. Round bottle without closure. Tall, narrow form, leakproof. Easy to handle.

Also available with dropper cap or spray cap.

Please order cap separately.

Kautex

Capacity	Diam.	Height	Thread external diam.	PK	Cat. No.
ml	mm	mm	mm		
10	26.0	46.5	14	1	9.072 741
20	31.5	56.5	14	1	9.072 742
30	33.5	68.5	14	1	9.072 743
50	37.5	86.0	18	1	9.072 745
100	47.5	105.0	18	1	9.072 748
200	57.5	133.0	18	1	9.072 751
250	61.3	140.0	25	1	9.072 750
500	75.0	177.0	25	1	9.072 752
1000	97.5	223.5	28	1	9.072 755
2000	120.0	264.0	28*	1	9.072 757
3000	138.0	300.0	32*	1	9.072 759
5000	162.0	355.0	40*	1	9.072 762

Height in mm without seal.

*includes seal.



3 Round square-shouldered bottles, series 302, PE-LD

Natural. Round. Tall, narrow form, leakproof. Easy to handle.

Also available with dropper cap or spray cap.

Please order cap separately.

Kautex

Capacity	Diam.	Thread external diam.	Height	PK	Cat. No.
ml	mm	mm	mm		
50	36.5	18	80.0	1	9.073 365
100	44.5	18	98.5	1	9.073 366
250	60.0	25	127.5	1	9.073 368
500	75.5	25	160.0	1	9.073 369
1000	95.0	28	196.0	1	9.073 370

Height in mm without cap.



Caps for narrow-mouth bottles, series 301/302, PE-LD

Natural.

Kautex

Description	For Type	For bottles ml	For Thread o.d. mm	PK	Cat. No.
Screw-type cap	301	10, 20, 30	14	1	9.072 771
Screw-type cap	301, 302	50, 100, 200	18	1	9.072 773
Screw-type cap	301, 302	250, 500	25	1	9.072 775
Screw-type cap	301, 302	1000, 2000	28	1	9.072 777
Screw-type cap	301	3000	32	1	9.072 778
Dropping cap *	301	10, 20, 30	14	1	9.073 314
Dropping cap *	301, 302	50, 100, 200	18	1	9.073 315
Dropping cap *	301, 302	250, 500	25	1	9.073 318
Dropping cap *	301, 302	1000, 2000	28	1	9.073 319
Small nozzle cap with red retaining band, PVC	301, 302	all		1	9.073 320
Spray cap	301, 302	100	18	1	9.223 110
Spray cap	301	200	18	1	9.223 111
Spray cap	301, 302	250	25	1	9.223 112
Spray cap	301, 302	500	25	1	9.223 113
Spray cap	301, 302	1000	28	1	9.223 114
Spray cap	301	2000	28	1	9.223 120

* with PVC-Nozzle, red.

Vessels/Narrow-mouth bottles



1 Round Bottles, series 308, PE-HD

Neck design allows single handed use.

Used for:

- Packaging
- Storage
- Transport

Please order closure separately.

Kautex

Capacity	Diam.	Neck diam.	Thread external diam.	Height	PK	Cat. No.
ml	mm	mm	mm	mm		
50	32	17.0	22	86.0	1	9.072 783
100	41	17.0	22	108.5	1	9.072 784
250	56	17.0	22	135.5	1	9.072 785
500	70	19.4	25	173.0	1	9.072 786
1000	89	19.4	25	211.5	1	9.072 787

Height without cap.



2 Caps for Round Bottles, series 308, PP

White caps.

Kautex

Description	For bottles	Thread Internal Ø	PK	Cat. No.
	ml	mm		
Neck opening caps	50 / 100 / 250	22	1	9.072 788
Neck opening caps	500 / 1000	25	1	9.072 789



3 Round Bottles, series 321 „VarioPack Dual“ with PA barrier layer, white

(NEW!)

High-quality packaging with barrier layer of polyamide for highly volatile or intense smelling media with high permeation rate.

Used for:

- Packaging
- Storage
- Transport

Please order closure separately.

Kautex

Capacity	Diam.	Neck diam.	Thread external diam.	Height	PK	Cat. No.
ml	mm	mm	mm	mm		
250	62	42.0	50	131.3	1	9.073 517
500	69	42.0	50	186.5	1	9.073 518
1000	88	42.0	50	234.0	1	9.073 519

Height without cap.

Caps for Round Bottles, VarioPack, HDPE

(NEW!)

Closure HDPE, white, with PA/PE/PA-insert and tamper evident ring

Kautex

Description	For bottles	Thread Internal Ø	PK	Cat. No.
	ml	mm		
Closure HDPE	250 - 1000	50	1	9.073 520



4 Narrow-mouth reagent bottles, series 308/310, PE-HD, UN-approved

UN-approved (only with the fitting UN-approved closures: 9.073 379 - 381).

Square except 500ml size which is round and has an outside diameter of 77mm.

Available in natural or black. Suitable for transporting hazardous liquids. Leakproof.

Please order closure separately.

Kautex

Capacity	Colour	Neck thread	Weight	Height	Serie	PK	Cat. No.
ml		GL	g	mm			
500	natural	45	50	176.5	308	1	9.073 373
1000	natural	45	88	211.8	310	1	9.073 374
2500	natural	45	163	282.0	310	1	9.073 375
500	black	45	52	176.5	308	1	9.073 376
1000	black	45	92	211.8	310	1	9.073 377
2500	black	45	167	282.0	310	1	9.073 378

Height in mm without closure.

1. General laboratory consumables

Vessels/Narrow-mouth bottles

1 Narrow-mouth bottles, series 310 "Clear Grip", PP

Glass-like transparency and glaze, ideal for product presentations.
 Low weight, outstanding chemical resistance and thermal stability, balanced stiffness and impact resistance, autoclavable up to 121°C (before autoclaving screw off the closure and place it upside down on the bottle.)

Kautex



Please order closures separately.

Capacity ml	Neck thread GL	Weight g	Height mm	PK	Cat. No.
100	32	15	108.0	1	9.073 456
250	32	21	136.0	1	9.073 457
500	45	40	169.0	1	9.073 458
1000	45	61	204.0	1	9.073 459

2 Closures for narrow-mouth reagent bottles, series 310, PP, UN-approved

NEW!

UN-approved.

Type 1: Light cap, black, tamper-evident ring and PTFE cup-shaped liner.

Type 2: Bell cap, black, with red PP tamper-evident ring and cup-shaped PTFE liner.

Type 3: Bell cap, red, with degassing membrane, red PP tamper-evident ring and cup-shaped, perforated PTFE liner.

Kautex



Type	For Thread o.d. mm	For bottles ml	PK	Cat. No.
1. Light cap	45	500, 1000, 2500	1	9.073 379
2. Bell cap	45	500, 1000, 2500	1	9.073 380
3. Bell cap	45	500, 1000, 2500	1	9.073 381



Vessels/Narrow-mouth bottles



1 Square reagent bottles, PE-HD

Natural or white. Narrow neck.
Please order closures separately.

Kautex

Capacity	Width	Depth	Height without closure	Thread external diam.	Colour	PK	Cat. No.
ml	mm	mm	mm	mm			
100	45	45	108.0	32	natural	1	9.072 850
250	60	60	136.0	32	natural	1	9.072 851
500	74	74	170.0	32	natural	1	9.072 852
1000	85	85	221.0	32	natural	1	9.072 853
2500	122	122	272.0	45	natural	1	9.072 854
100	45	45	108.0	32	white	1	9.072 855
250	60	60	136.0	32	white	1	9.072 856
500	74	74	170.0	32	white	1	9.072 857
1000	85	85	221.0	32	white	1	9.072 858
2500	122	122	272.0	45	white	1	9.072 859



2 Caps for narrow-mouth reagent bottles, PP

a) Tamper-evident cap, blue, with conical seal and tamper-evident ring. Immediately indicates unauthorised opening. Perfect for determining whether the cap has been removed.

b) Tamper-evident cap, red, with PE foam lining and tamper-evident ring. Immediately indicates unauthorised opening. Perfect for determining whether the cap has been removed.

c) Tamper-evident cap, white/blue, with child-proof lock, conical seal and tamper-evident ring. Immediately indicates unauthorised opening. Perfect for determining whether the cap has been removed.

d) Tamper-evident cap, white/red, with child proof lock, tamper-evident ring, conical seal and degassing membrane. Immediately indicates unauthorised opening. Perfect for determining whether the cap has been removed.

without Fig.) Tamper-evident cap, red, degassing cap, with conical gasket and degassing membrane.

Kautex

For bottles	For Thread o.d.	Figure	PK	Cat. No.
ml	mm			
100 to 1000	32	a	1	9.072 041
2500	45	a	1	9.072 862
100 to 1000	32	b	1	9.072 863
2500	45	b	1	9.072 868
100 to 1000	32	c	1	9.072 866
100 to 1000	32	d	1	9.072 867
100 to 1000	32	without Fig.	1	9.072 905



3 Narrow-mouth bottles Economy Typ 2087, PPCO, with screw cap, PP

With PP screw cap. General-purpose, single-use sample bottle. Leakproof. Autoclavable.

Thermo Scientific

Type	Capacity	Cover type	PK	Cat. No.
	ml	mm		
2087	30	20	1	9.103 035
2087	60	20	1	9.103 036
2087	125	24	1	9.103 037
2087	250	24	1	9.103 038
2087	500	28	1	9.103 039
2087	1000	38-430	1	9.103 040

1. General laboratory consumables

Vessels/Narrow-mouth bottles

1 Diagnostic Bottles Typ 2035, PETG, sterile

With white PE-HD screw cap with liner. Ideal for sterile sampling, storage and shipment of reagents and buffer solutions. Bottles are sterile to 10⁻⁶ SAL, non-pyrogenic, non-cytotoxic and comply with USP VI guidelines.

Thermo Scientific

Type	Capacity ml	Cover type	PK	Cat. No.
2035	5	diam. 20 mm/ design 415	100	6.803 092
2035	10	diam. 20 mm/ design 415	100	6.205 128
2035	20	diam. 20 mm/ design 415	100	7.632 641



2 Aluminium bottles, with UN approval

For storage, transport or shipment of samples/ reference materials that must not be contaminated in any way.

Bürkle

- Complies with PCB regulations
- With UN approval (60 - 1200ml)
- Pure aluminium (AL99.5 material)
- PP screw cap with internal aluminium seal

Capacity ml	Diam. mm	Height mm	Thread external diam. mm	PK	Cat. No.
38	35	70	38	1	9.072 168
60	40	88	38	1	9.072 169
120	57	97	38	1	9.072 170
300	57	160	38	1	9.072 171
600	74	192	38	1	9.072 172
1200	88	248	38	1	9.072 173



3 Stainless Steel Bottle, with cap, GL 45, without UN approval

- corrosion resistant stainless steel
- fully compatible with all the GL 45 caps
- unbreakable
- Hazardous materials laboratory container for storage of liquids, intermediates, or solid product
- Storage of precious materials, such as high purity fine chemicals, pharmaceutical or cosmetic products
- Storage of light sensitive materials

DURAN Group

Description	Capacity ml	PK	Cat. No.
DURAN® Group GL 45 Stainless Steel Laboratory Bottle	1500	1	9.072 175
DG Stainless steel (316L) cap with PTFE sealing disk, GL 45		1	9.072 177
Stand made of plastic, black, for mobile flame sterilizer or cartridges		1	4.653 267



We can supply this
manufacturer's
 whole
product range !



DURAN GROUP
 magic of precision

partner of the
LLG
 Lab Logistics Group

Vessels/Square bottles

1 2 Square bottles, PE-HD and PVC, series 310

Square, PE-HD, Natural, translucent bottle. Square, PVC, transparent, rigid bottle.

Kautex

Please order screw caps separately.

Capacity	Width	Depth	Height	Thread external diam.	Material	PK	Cat. No.
ml	mm	mm	mm	mm			
100	40.5	32.0	110.5	18	PE-HD	1	9.072 808
250	53.5	42.0	146.5	25	PE-HD	1	9.072 814
500	63.5	54.5	180.0	25	PE-HD	1	9.072 819
1000	84.0	66.0	222.5	25	PE-HD	1	9.072 824
250	59.0	38.0	151.5	25	PVC	1	9.072 914
500	70.0	50.0	189.0	25	PVC	1	9.072 919
1000	87.5	61.0	233.0	25	PVC	1	9.072 924

Height in mm without cap.



3 Caps for PE-HD and PVC square bottles series 310

Kautex

Description	For bottles	PK	Cat. No.
Screw cap, natural LDPE	100 ml, HDPE	1	9.072 773
Screw cap, natural LDPE	250 to 500 ml, HDPE	1	9.072 775
Dropper cap, natural LDPE, with teat*	100 ml, HDPE	1	9.073 315
Dropper cap, natural LDPE, with teat*	250, 500 and 1000 ml, HDPE	1	9.073 318
Moulded plastic cap, black melamine	100 ml, HDPE	1	9.073 321
Moulded plastic cap, black melamine	250, 500 and 1000 ml, HDPE	1	9.073 322
Moulded plastic cap, melamine, white	250, 500 and 1000 ml, PVC	1	9.072 929
Screw cap, white PP, with washbottle jet	250, 500 and 1000 ml, PVC	1	9.072 915

* incl. small captive cap



4 Square bottles Type 2007, PE-HD, with PP screw cap

PE-HD bottle with PP screw cap. Leakproof.

Thermo Scientific

Capacity	Screw cap diam.	Width	Depth	Height	PK	Cat. No.
ml	mm	mm	mm	mm		
125	28	64	58	102	12	9.103 279
250	38	76	48	114	12	9.103 280
500	48	94	58	140	12	9.103 281
1000	53	125	71	180	6	9.103 282
2000	63	152	81	239	4	9.103 283

1. General laboratory consumables

Vessels/Square bottles-Spray, dropping bottles

1 Square bottles Type 2015, PC, with screw cap, PP

PC bottle with leakproof PP screw cap. With moulded graduations and pouring rim. Ideal for storing aqueous solutions and for the short-term storage of cell culture media. Autoclavable.

Thermo Scientific

Capacity ml	Screw cap diam. mm	Height with cap mm	Width mm	Depth mm	PK	Cat. No.
30	20	64	38	38	12	9.103 284
60	24	83	41	41	12	9.103 285
125	38-430*	110	54	54	6	9.103 286
250	38-430*	146	57	57	6	9.103 287
500	38-430*	177	74	74	4	9.103 288
1000	38-430*	220	94	94	4	9.103 289
2000	53B	271	116	116	1	9.103 077

* with high form thread.



2 Acid cap bottles

DURAN®. Conical shoulders. With NS pennyhead stopper and interchangeable glass cap. Glass type I/neutral glass as per USP, EP and JP. Autoclavable.

DURAN Group

Capacity ml	Diam. mm	Height mm	NS	Colour	PK	Cat. No.
100	55	145	19/17	clear	1	9.072 408
250	75	180	19/17	clear	1	9.072 414
500	82	220	24/20	clear	1	9.072 419
1000	109	260	29/32	clear	1	9.072 424
100	55	145	19/17	amber	1	9.072 508
250	75	180	19/17	amber	1	9.072 514
500	82	220	24/20	amber	1	9.072 519
1000	109	260	29/32	amber	1	9.072 524



3 LLG-Wash bottles, narrow neck, PE

Easy to squeeze, semi-rigid, translucent, with excellent clarity. The stream of the liquid can be easily controlled by hand pressure. Dispensing tip provides extra fine stream - tip can be cut back in order to increase the flow rate, if required.

Capacity ml	PK	Cat. No.
100	1	9.223 500
250	1	9.223 501
500	1	9.223 502
1000	1	9.223 503



4 LLG-Safety wash bottle, PE-LD (NEW!)

Manufactured from PE-LD and with the safety label printed on the wash bottle in accordance with regulation (EC) No. 1272/2008 (GHS).

- Colour coded cap and bottle for easy and quick recognition of the bottle content
- Dispensing tube designed to optimize backflow and turbulence-free operation.
- Permanent printing on the body of safety symbols in acc. with GHS, as well as of chemical formula, CAS number, hazard pictogram, signal word, hazard statements and NFPA code.
- Chemical name and Warning texts in German, English, French and Spanish

Label	Capacity ml	PK	Cat. No.
acetone	500	1	9.223 504
distilled water	500	1	9.223 505
ethanol	500	1	9.223 506
isopropanol	500	1	9.223 507
methanol	500	1	9.223 508



Vessels/Spray, dropping bottles

1


1 LLG-Safety vented wash bottles, LDPE

- Multi-lingual wide neck wash bottles featuring the patented DripLok® vapour venting valve that prevents solvent drips
- Indelibly printed in 4 languages (English, French, German and Spanish)
- Choose from 4 solvent labels all including the new Globally Harmonised Symbols, NFPA diamond, risk phrases and safety information
- Fitted with colour coded, one-piece polypropylene closures that maintain their shape in use
- Closures feature precision jet-tip aperture for fine control

Label	Capacity ml	PK	Cat. No.
Acetone	500	1	9.223 491
Methanol	500	1	9.223 492
Isopropanol	500	1	9.223 493
Ethanol	500	1	9.223 494

2


2 Narrow-mouth bottles, series 301, PE-LD

Natural. Round bottle without closure. Tall, narrow form, leakproof. Easy to handle.
Also available with dropper cap or spray cap.
Please order cap separately.

Kautex

Capacity ml	Diam. mm	Height mm	Thread external diam. mm	PK	Cat. No.
10	26.0	46.5	14	1	9.072 741
20	31.5	56.5	14	1	9.072 742
30	33.5	68.5	14	1	9.072 743
50	37.5	86.0	18	1	9.072 745
100	47.5	105.0	18	1	9.072 748
200	57.5	133.0	18	1	9.072 751
250	61.3	140.0	25	1	9.072 750
500	75.0	177.0	25	1	9.072 752
1000	97.5	223.5	28	1	9.072 755
2000	120.0	264.0	28*	1	9.072 757
3000	138.0	300.0	32*	1	9.072 759
5000	162.0	355.0	40*	1	9.072 762

Height in mm without seal.

*includes seal.

3


3 Round square-shouldered bottles, series 302, PE-LD

Natural. Round. Tall, narrow form, leakproof. Easy to handle.
Also available with dropper cap or spray cap.
Please order cap separately.

Kautex

Capacity ml	Diam. mm	Thread external diam. mm	Height mm	PK	Cat. No.
50	36.5	18	80.0	1	9.073 365
100	44.5	18	98.5	1	9.073 366
250	60.0	25	127.5	1	9.073 368
500	75.5	25	160.0	1	9.073 369
1000	95.0	28	196.0	1	9.073 370

Height in mm without cap.

Caps for narrow-mouth bottles, series 301/302, PE-LD

Natural.

Kautex

Description	For Type	For bottles ml	For Thread o.d. mm	PK	Cat. No.
Screw-type cap	301	10, 20, 30	14	1	9.072 771
Screw-type cap	301, 302	50, 100, 200	18	1	9.072 773
Screw-type cap	301, 302	250, 500	25	1	9.072 775
Screw-type cap	301, 302	1000, 2000	28	1	9.072 777
Screw-type cap	301	3000	32	1	9.072 778
Dropping cap *	301	10, 20, 30	14	1	9.073 314
Dropping cap *	301, 302	50, 100, 200	18	1	9.073 315
Dropping cap *	301, 302	250, 500	25	1	9.073 318
Dropping cap *	301, 302	1000, 2000	28	1	9.073 319
Small nozzle cap with red retaining band, PVC	301, 302	all		1	9.073 320
Spray cap	301, 302	100	18	1	9.223 110
Spray cap	301	200	18	1	9.223 111
Spray cap	301, 302	250	25	1	9.223 112
Spray cap	301, 302	500	25	1	9.223 113
Spray cap	301, 302	1000	28	1	9.223 114
Spray cap	301	2000	28	1	9.223 120

* with PVC-Nozzle, red.

1. General laboratory consumables

Vessels/Spray, dropping bottles

1 Wash bottles Type 2401, PE-LD

PE-LD bottle and suction tube. PP screw cap and suction tube support moulded as one piece.

Thermo Scientific

Capacity	Screw cap diam.	Height	PK	Cat. No.
ml	mm	mm		
125	24	147	1	9.223 223
250	24	175	1	9.223 224
500	28	213	1	9.223 225
1000	38-430*	259	1	9.223 226

*with high form thread



2 Wide-neck wash bottles, Unitary™, Type 2402, PE-LD, with screw cap, PP

PE-LD Bottle with leakproof PP screw cap. Wide mouth neck. Bottle and dispensing jet are moulded in one piece.

Thermo Scientific

Type	Capacity	Screw cap diam.	PK	Cat. No.
	ml	mm		
2402	125	24	1	9.223 236
2402	250	38	1	9.223 237
2402	500	38	1	9.223 238
2402	750	38	1	9.223 239
2402	1000	43	1	9.223 240



3 Wide-mouth wash bottles Unitary™ Type DS2408, PE-LD

Red. PE-LD bottle with leakproof PP screw cap. Bottle and dispensing jet are moulded in one piece.

Thermo Scientific

Type	Capacity	Screw cap diam.	Height with cap	PK	Cat. No.
	ml	mm	mm		
DS2408	250	38	138	1	9.223 252
DS2408	500	38	173	1	9.223 255



4 Safety wash bottles, wide mouth, series 303, PE-LD

Laboratory safety wash bottle printed with symbols for hazardous substances.

Kautex

Leakproof. Description of contents is given in German, English and French.

Scratch-resistant ink. Bottles can be fully emptied thanks to a movable outlet jet, also can be used upside down.

Safety note: If the base of the jet is positioned above the liquid level, no liquid will be ejected in the event of a change in temperature. The jet tip is sealed for safety during transport and must be cut before use.

With fitted PE-LD washbottle cap.



Type	Cover type	Capacity	Thread external diam.	Height	PK	Cat. No.
		ml	mm	mm		
Acetone	Red	250	40	120	1	9.073 355
Acetone	Red	500	50	154	1	9.073 356
Ethanol	Green	250	40	120	1	9.073 357
Ethanol	Green	500	50	154	1	9.073 358
Isopropanol	Yellow	250	40	120	1	9.073 359
Isopropanol	Yellow	500	50	154	1	9.073 360
Methanol	Orange	250	40	120	1	9.073 361
Methanol	Orange	500	50	154	1	9.073 362
Distilled water	Blue	250	40	120	1	9.073 363
Distilled water	Blue	500	50	154	1	9.073 364

Height in mm without closure.

1 VITsafe™ safety wash bottles, wide-mouth, PP/PE-LD

PE-LD or PP Bottles, PP spray tube. Safer due to the durable safety imprint in accordance to Directive (EC) No. 1272/2008 (GHS), as well as with all important information: Material name in German, English, French and Spanish, Chemical formula, CAS No., hazard pictogram, signal word, Risk phrases (H phrases), safety phrases (P phrases), as well as NFPA Code. Precise spray jet and optimised medium backflow through the continuous and finely drawn tip of the spray tube. Practically no leakage or dripping with the bright red VENT-CAP screw cap, the design of which prevents almost all static overpressure.

VITLAB

Label	Capacity ml	Neck thread GL	Material	PK	Cat. No.
Acetone	250	45	PP	1	9.223 375
Acetone	500	45	PP	1	9.223 381
Acetone	1000	63	PP	1	9.223 390
Acetonitrile	500	45	PE-LD	1	6.235 042
Distilled water	250	45	PE-LD	1	9.223 370
Distilled Water	500	45	PE-LD	1	9.223 376
Distilled water	1000	63	PE-LD	1	9.223 385
Ethanol	250	45	PE-LD	1	9.223 374
Acetic acid	500	45	PE-LD	1	6.234 466
Ethanol	500	45	PE-LD	1	9.223 380
Ethanol	1000	63	PE-LD	1	9.223 389
Ethyl acetate	250	45	PE-LD	1	9.223 373
Ethyl acetate	500	45	PE-LD	1	9.223 379
Ethyl acetate	1000	63	PE-LD	1	9.223 388
Isopropanol	250	45	PE-LD	1	9.223 372
Isopropanol	500	45	PE-LD	1	9.223 378
Hexane	500	45	PE-LD	1	9.223 391
Heptane	500	45	PE-LD	1	9.223 392
Isopropanol	1000	63	PE-LD	1	9.223 387
Methanol	250	45	PE-LD	1	9.223 371
Methanol	500	45	PE-LD	1	9.223 377
Methanol	1000	63	PE-LD	1	9.223 386
Methylethylchloride	500	45	PE-LD	1	6.225 506
Methylethylketone (MEK)	500	45	PP	1	9.223 384
N,N-Dimethylformamide	500	45	PE-LD	1	6.225 507
Pentane	500	45	PE-LD	1	9.223 397
Tetrahydrofuran (THF)	500	45	PE-LD	1	9.223 393
Toluene	500	45	PE-LD	1	9.223 394
Xylol	500	45	PE-LD	1	9.223 395



2 Wash bottle caps, Vent-Cap, PP

Screw cap and PP spray tube. Practically no leakage or dripping with the bright red VENT-CAP screw cap, the design of which prevents almost all static overpressure. Precise spray jet and optimised medium backflow through the continuous and finely drawn tip of the spray tube.

VITLAB

Neck thread GL	PK	Cat. No.
25	1	9.223 400
32	1	9.223 401
45	1	9.223 402
63	1	9.223 403

1. General laboratory consumables

Vessels/Spray, dropping bottles

1 VITsafe™ Safety wash bottles, narrow neck, PP/PE-LD

Bottles made from PE-LD, spray tube from PP. Safer due to the durable safety imprint in accordance to Directive (EC) No. 1272/2008 (GHS), as well as with all important information: Material name in German, English, French and Spanish, Chemical formula, CAS No., hazard pictogram, signal word, Risk phrases (H phrases), safety phrases (P phrases), as well as NFPA Code. Precise spray jet and optimised medium backflow through the continuous and finely drawn tip of the spray tube. Practically no leakage or dripping with the bright red VENT-CAP screw cap, the design of which prevents almost all static overpressure.

VITLAB

Label	Capacity ml	Neck thread GL	Material	PK	Cat. No.
Acetone	250	25	PP	1	9.223 345
Acetone	500	25	PP	1	9.223 351
Acetone	1000	32	PP	1	9.223 360
Acetonitrile	500	25	PE-LD	1	7.058 640
Distilled water	250	25	PE-LD	1	9.223 340
Distilled water	500	25	PE-LD	1	9.223 346
Distilled water	1000	32	PE-LD	1	9.223 355
Ethanol	250	25	PE-LD	1	9.223 344
Ethanol	500	25	PE-LD	1	9.223 350
Ethanol	1000	32	PE-LD	1	9.223 359
Ethyl acetate	250	25	PE-LD	1	9.223 343
Ethyl acetate	500	25	PE-LD	1	9.223 349
Ethyl acetate	1000	32	PE-LD	1	9.223 358
Acetic acid	500	25	PE-LD	1	7.079 737
Isopropanol	250	25	PE-LD	1	9.223 342
Isopropanol	500	25	PE-LD	1	9.223 348
Isopropanol	1000	32	PE-LD	1	9.223 357
Methanol	250	25	PE-LD	1	9.223 341
Methanol	500	25	PE-LD	1	9.223 347
Methanol	1000	32	PE-LD	1	9.223 356
Methylene chloride	500	25	PE-LD	1	7.078 722
Methylethylketone (MEK)	500	25	PP	1	9.223 354
N, N-Dimethylformamide	500	25	PE-LD	1	6.401 458
Xylene	500	25	PE-LD	1	7.087 939
Hexane	500	25	PE-LD	1	7.009 310
Heptane	500	25	PE-LD	1	6.073 505
Tetrahydrofuran (THF)	500	25	PE-LD	1	7.087 940
Toluene	500	25	PE-LD	1	7.087 938
Pentane	500	25	PE-LD	1	6.242 784



2 Dropper bottles, PE-HD

Natural. Without PE-HD combination closure with screw-on dropping tip which must be ordered separately. Kautex
Highly suitable for adhesives and other liquids that can be finely dispensed.

Capacity ml	Diam. mm	PK	Cat. No.
10	24.0	1	9.073 310
25	31.3	1	9.073 311
50	40.0	1	9.073 312

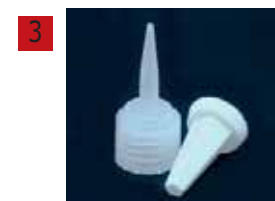


3 Cap for dropping bottles, PE-HD

For bottles 9.073 310 to 9.073 312 series.

Kautex

Type	PK	Cat. No.
Cap for dropping bottles	1	9.073 313





1 Dropping bottles, pipette bottles, soda-lime glass

Amber or Clear. Soda-lime glass, NS 14/15. With interchangeable ground joint transparent pipette. Hydrolytical class 3. Complete with rubber teat.

DURAN Group

Capacity ml	Height mm	Colour	PK	Cat. No.
50	79	clear	1	9.072 646
100	105	clear	1	9.072 648
50	79	amber	1	9.072 656
100	105	amber	1	9.072 658



2 Pressure atomizer LaboPlast®, PE-HD

PE/PP/glass-fibre reinforced PA, V2A, FKM/bottle material: PE-HD. With short spray nozzle. Left-handed and right-handed pistol control. The pressurised spray has a working pressure of 4 bar.

Bürkle

Capacity ml	Ext. diam. mm	Height mm	Neck diam. mm	Weight g	PK	Cat. No.
1500	142	315	45	475	1	9.223 162

Bürkle

Type	PK	Cat. No.
Spray lance, 300mm long	1	9.223 165
Foam jet	1	9.223 166



3 Spray bottles LaboPlast®, PE/PP

Chemical resistant to a large extend. Trigger-action spray pump with continuously adjustable spray nozzle.

Bürkle

Capacity ml	Ext. diam. mm	Height mm	Neck diam. mm	Weight g	PK	Cat. No.
250	60	220	18.0	54	1	9.223 152
500	75	240	18.0	79	1	9.223 155
1000	98	295	17.5	111	1	9.223 160



4 5 Spray bottle Turn'n'Spray with overhead valve, PE/PP

Spraying upwards overhead is not possible with standard spray bottles. As soon as the suction tube is no longer immersed in liquid, you can't spray any more. Not so with our overhead spray bottle, Turn'n'Spray. It features a special technology that allows you to spray from any position. That means you can spray practically and conveniently from any angle and reach hard-to-access places easily and without straining. The high-quality, refillable spray bottle can be used again and again.

Bürkle

- Uninterrupted spraying, even above your head
- Parts in contact with media made of PP, PE, silicon and stainless steel
- Nozzle diameter 0.6mm; nozzle is continuously adjustable
- Amount sprayed per stroke: 1.2ml ±0.1ml



Capacity ml	Height with closure mm	Neck diam. mm	Weight g	PK	Cat. No.
250	220	19	18	1	6.252 153
500	240	19	18	1	6.252 154
1000	295	19	17	1	6.252 166

1. General laboratory consumables

Vessels/Funnels

1 LLG-Funnel, borosilicate glass 3.3

With short stem. Cone angle of 60°. Standard borosilicate funnels with excellent heat resistance. All funnels have a cone angle of 60° and therefore offer an optimum fit for all filter sizes. DIN ISO 4798

Funnel diam. mm	Shaft diam. mm	Stem length mm	For filter paper diam. mm	PK	Cat. No.
40	6.0	70	55 - 70	1	9.251 200
60	8.0	100	70 - 90	1	9.251 201
80	8.0	140	125 - 150	1	9.251 202
100	10.0	180	150 - 185	1	9.251 203
120	16.0	210	185 - 240	1	9.251 204
150	16.0	250	240 - 270	1	9.251 205



2 Funnels, soda-lime glass

DIN ISO 4798. With short stem.

DURAN Group

Diam. mm	Height mm	For filter paper diam. mm	PK	Cat. No.
35	60	45 to 55	1	9.251 003
45	80	55 to 70*	1	9.251 005
55	95	70 to 90	1	9.251 007
70	125	110 to 125	1	9.251 011
80	140	125 to 150	1	9.251 016
100	180	150 to 185	1	9.251 019

* Not to DIN ISO 4798.



3 Funnels, DURAN®

DIN ISO 4798. With short stem. Glass Type I/neutral glass as per USP, EP and JP. Autoclavable.

DURAN Group

Diam. mm	Height mm	For filter paper diam. mm	PK	Cat. No.
35	60	45 to 55	1	9.251 123
45	80	55 to 70	1	9.251 128
55	95	70 to 90	1	9.251 133
70	125	110 to 125	1	9.251 138
80	140	125 to 150	1	9.251 141
100	180	150 to 185	1	9.251 146
120	210	185 to 240	1	9.251 023
150	265	240 to 270	1	9.251 157
200	325	320 to 385	1	9.251 161
300	409	500	1	9.251 169



4 Analytical funnels, DURAN®

For rapid filtration. Glass Type I/neutral glass as per USP, EP and JP. Autoclavable.

DURAN Group

Funnel diam. mm	Height mm	For filter paper diam. mm	PK	Cat. No.
65	200	70 to 90	1	9.251 237
80	210	110 to 125	1	9.251 241
110	265	150 to 185	1	9.251 248



➔ For Filter paper, please have a look at page 652.

Vessels/Funnels



1 LLG-Fast filtration funnels with internal rib, PP



- clear, virgin polypropylene.
- polypropylene funnels are autoclavable at 121°C and 1.1 bar for 30 minutes.
- external ribs prevent airlock and back pressure.
- with internal helicoidal rib which prevents filter papers from sticking and increases filtration speed.

Funnel diam. mm	Shaft diam. mm	Stem length mm	For filter paper diam. mm	PK	Cat. No.
40	6.0	40	55 - 70	10	9.251 191
60	8.0	60	70 - 90	10	9.251 192
80	8.0	80	125 - 150	10	9.251 193
80	9.0	150	125 - 150	10	9.251 197
100	10.0	100	150 - 185	10	9.251 194
120	16.0	120	185 - 240	10	9.251 195
150	16.0	150	240 - 270	10	9.251 196



2 Urbanti TPX rapid funnels

TPX clear. For rapid filtration. Ribbed inside. Heat resistant up to 177°C. Autoclavable.

Bel-Art Products

Top diam. mm	Stem int. diam. mm	Stem ext. diam. mm	For filter paper diam. mm	Capacity ml	Stem mm	PK	Cat. No.
51	3	7.5	75 to 90	28.3	150	1	9.251 391
70	3	7.5	110 to 125	76	150	1	9.251 392
70	7	10.0	110 to 125	76	70	1	9.251 393
100	7	10.0	150 to 185	224	108	1	9.251 394
140	10	16.0	240 to 270	586	132	1	9.251 395
196	20	26.0	320 to 385	1532	160	1	9.251 396



3 LLG-Funnels, PP



- Made of clear, virgin polypropylene.
- autoclavable at 121°C and 1.1 bar for 30 minutes.
 - external ribs prevent airlock and back pressure.

Funnel diam. mm	Shaft diam. mm	Stem length mm	For filter paper diam. mm	PK	Cat. No.
40	6.0	40	55 - 70	10	9.251 185
60	8.0	60	70 - 90	10	9.251 186
80	8.0	80	125 - 150	10	9.251 187
100	10.0	100	150 - 185	10	9.251 188
120	16.0	120	185 - 240	10	9.251 189
150	16.0	150	240 - 270	10	9.251 190



4 Funnels, PP

Transparent. Rapid flow due to a steep 60° angle. Practical handle with loop for hanging. Food-safe product according to EC Directive No. 10/2011.

VITLAB

Funnel diam. mm	Shaft diam. mm	Length* mm	Height mm	PK	Cat. No.
30	1.5	25	45	1	9.251 602
30	4.0	25	47	1	9.251 605
40	4.0	35	65	1	9.251 610
50	7.0	43	85	1	9.251 615
75	6.0	55	110	1	9.251 620
100	8.0	77	155	1	9.251 625
120	11.0	90	180	1	9.251 630
150	15.0	95	220	1	9.251 635

* Stem length (mm)

1. General laboratory consumables

Vessels/Funnels

Funnel PE-HD



Naturfarben.

Hünersdorff

Funnel diam. mm	Diam. of the filler mm	PK	Cat. No.
50	3	1	9.073 464
60	8	1	9.073 465
80	11	1	9.073 466
100	12	1	9.073 467
120	12	1	9.073 468
164	17	1	9.073 469
208	20	1	9.073 470

9.073 470 with stainless steel mesh, 50 mm dia.



9.073 470

2 Disposable paper funnel Eco-smartFunnel™



Supplied flat-pack to minimize storage space and keep it clean. A more environmentally friendly paper product that will naturally biodegrade in the standard waste stream. Fits a wide variety of openings and can be used with virtually any liquid or powder. Cut the stem to any size or shape to meet with your needs.

Heathrow Scientific

Capacity ml	Dimensions top (D x W) mm	Dimensions bottom (D x W) mm	Height mm	PK	Cat. No.
186	60 x 60	6.4 x 6.4	128	25	9.194 032



Barrel funnels, PP/PE-HD

Transparent. Rapid flow due to a steep 60° angle. Practical handle for hanging. Suitable for filling large amounts of liquids. Cat. No. 9.251 640, 9.251 645 and 9.251 650 are food-safe products according to EC Directive No. 10/2011.

Sieve for 9251 640 and 9251 645 available (not approved as a food-safe article). Please order separately.

Funnel diam. mm	Stem diam. mm	Length* mm	Height mm	Material	PK	Cat. No.
200	22	90	200	PP	1	9.251 640
250	30	100	260	PP	1	9.251 645
350	35	170	440	PP	1	9.251 650
400	42	150	365	PE-HD	1	9.251 655
430	37	420	420	PE-HD	1	9.251 660

* Stem length (mm)



9.251 640



9.251 655

5 Sieve filter for barrel funnels

For 9.251 640 and 9.251 645.

Type	Diam. mm	PK	Cat. No.
Sieve filter	50	1	9.251 665



6 Funnels, stainless steel Remanit® 4301

With filling vent and handle.

RSB

Funnel diam. mm	Tube diam. mm	Height mm	PK	Cat. No.
50*	8.0	90	1	6.231 805
80*	12.0	115	1	9.251 208
100	12.0	125	1	9.251 210
120	13.0	145	1	9.251 212
150	17.0	190	1	9.251 215
200	18.0	220	1	9.251 220
250	18.0	260	1	9.251 225

* without handle and vent.



Vessels/Funnels



1 Powder funnels, PP

Transparent.
With short, wide stem. For transfer of powdered and granular substances. Rapid flow due to a steep 60° angle.
Food-safe products according to EC Directive No. 10/2011.

Funnel diam. mm	Height mm	Stem diam. mm	PK	Cat. No.
65	68	15	1	9.251 720
80	76	21	1	9.251 725
100	94	22	1	9.251 730
120	110	26	1	9.251 735
150	138	28	1	9.251 740
180	160	43	1	9.251 741



2 Powder funnels, soda-lime glass

Hydrolytical class 3. With short wide stem.

Funnel diam. mm	Height mm	Stem diam. mm	PK	Cat. No.
55	60	20	1	9.251 307
70	72	22	1	9.251 311
80	79	24	1	9.251 316
100	94	26	1	9.251 319



3 Powder funnels, DURAN®

With short, wide stem.

Funnel diam. mm	Height mm	Stem diam. mm	PK	Cat. No.
120	105	34	1	9.251 323
160	140	35	1	9.251 332
200	170	40	1	9.251 338



4 Powder funnels, borosilicate glass 3.3, with NS-cone

With short stem and NS cone.

Funnel diam. mm	NS	Stem diam. mm	PK	Cat. No.
60	14/23	13	1	4.008 433
80	19/26	17	1	4.008 434
100	24/29	22	1	4.008 435
120	29/32	26	1	4.008 436



5 Funnels with NS cone, DURAN® tubing

Solid addition funnels (angle: 60°), with NS cone, made of DURAN® tubing.

Funnel diam. mm	NS	PK	Cat. No.
45	14 / 23	1	9.251 340
55	19 / 26	1	9.251 341
70	24 / 29	1	9.251 342
80	29 / 32	1	9.251 343

1 Standard joint funnels, PP

Transparent.

For multi-neck flasks, laterally flattened, suitable for standard joint necks of various sizes.

Suitable for the filling of liquid or powdered reagents into a reaction flask, particularly multi-neck flasks, during a reaction.

Food-safe product according to EC Directive No. 10/2011.

Funnel diam. mm	Height mm	Joint size (NS)	PK	Cat. No.
40	75	14 / 23	1	9.251 814
50	95	19 / 26	1	9.251 819
75	135	29 / 32	1	9.251 829



2 LLG-Funnel holder, PP

Manufactured from best quality polypropylene. Suitable to hold all types of laboratory funnels with diameters up to 150mm. Two tapered wedges are provided to ensure firm grip on rods having diameters of 10-13mm.

Description	PK	Cat. No.
LLG-Funnel holder	1	9.251 558



3 LLG-Funnel holders, stainless steel, with or without boss head

These funnel holders are suitable to hold all types of funnels with a diameter up to 150mm. They can also accommodate separating funnels (up to 1000ml). With or without boss head.

Diam. mm	Description	PK	Cat. No.
40	without bosshead	1	9.251 550
60	without bosshead	1	9.251 551
80	without bosshead	1	9.251 552
100	without bosshead	1	9.251 553
40	with bosshead	1	9.251 554
60	with bosshead	1	9.251 555
80	with bosshead	1	9.251 556
100	with bosshead	1	9.251 557



4 Funnel stands LaboPlast®, PP

White, glass-fibre reinforced polypropylene. For 2 or 4 funnels. Corrosion resistant. Robust, heavy base provides good stability. Funnel holders are fully height-adjustable. With aperture reduction insert for small funnels. Suitable for funnels from 40mm to 160mm diameters.

To hold funnels piece	Width mm	Length mm	Height mm	PK	Cat. No.
2	140	300	480	1	9.069 922
4	150	550	500	1	9.069 924



5 Funnel holders, PP

Polypropylene. Single or double holder for funnels from 25mm (with adapter supplied) up to 170mm diameter. Without adapter they can be used for powder funnels with stem diameters not exceeding 35mm. Two clamp adapters are provided for use with rods from 8mm to 14mm.

Kartell

To hold funnels piece	PK	Cat. No.
1	1	9.251 561
2	1	9.251 560



Vessels/Funnels-Dishes

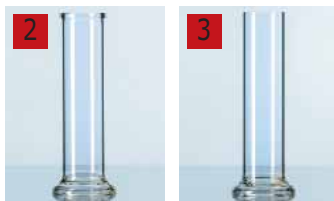


1 Funnel holders, stainless steel

Adjustable height 140 to 220 mm. Inner diameter upper ring: 47 mm.

Isolab

Description	PK	Cat. No.
Funnel holders	1	4.008 510



Gas jars, DURAN®

DURAN®. With base. Rim flanged and surface-ground or rim roughly ground. Autoclavable.

DURAN Group

Capacity ml	Diam. mm	Height mm	Description	PK	Cat. No.
130	40	100	Rim flanged, surface-ground	1	9.318 107
250	40	200	Rim flanged, surface-ground	1	9.318 134
500	40	400	Rim flanged, surface-ground	1	9.318 168
570	60	200	Rim flanged, surface-ground	1	9.318 136
700	60	250	Rim flanged, surface-ground	1	9.318 146
250	40	200	Rim roughly ground	1	9.318 034
300	50	150	Rim roughly ground	1	9.318 021
380	40	300	Rim roughly ground	1	9.318 052
500	40	400	Rim roughly ground	1	9.318 068
570	60	200	Rim roughly ground	1	9.318 036
600	50	300	Rim roughly ground	1	9.318 053
700	60	250	Rim roughly ground	1	9.318 046
1000	50	500	Rim roughly ground	1	9.318 080
1500	65	450	Rim roughly ground	1	9.318 077
2000	80	400	Rim roughly ground	1	9.318 074



4 Gas jar covers, glass

For gas jars. Clear glass.

For diam. mm	PK	Cat. No.
50	1	9.318 407
60	1	9.318 408
70	1	9.318 409
90	1	9.318 411

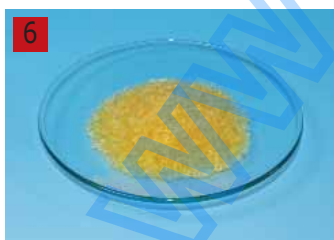


5 Glass cylinders with knob lid, DURAN®

DURAN®. With knob lid and polished rim.

DURAN Group

Diam. mm	Height mm	PK	Cat. No.
80	80	1	9.318 201
100	100	1	9.318 203
120	120	1	9.318 205
150	150	1	9.318 210
210	210	1	9.318 221
260	260	1	9.318 232



6 Watch glasses, Soda-lime glass

To DIN 12341. Ground edges. Hydrolytical class 3.

Diam. mm	PK	Cat. No.
40	1	9.263 004
50	1	9.263 005
60	1	9.263 006
70	1	9.263 007
80	1	9.263 008
90	1	9.263 009
100	1	9.263 010
110	1	9.263 011
120	1	9.263 013
125	1	9.263 012
150	1	9.263 015
200	1	9.263 020
250	1	9.263 025

1 Watch glasses, Borosilicate glass 3.3

DIN 12341. Flame-polished edges. Autoclavable.

Diam. mm	PK	Cat. No.
50	10	9.263 470
60	10	9.263 471
70	10	9.263 472
80	10	9.263 473
100	10	9.263 474
125	10	9.263 475
150	10	9.263 476
200	10	9.263 477



2 Watch glasses, DURAN®

DURAN®, DIN 12341. Flame-polished edges. Autoclavable.

DURAN Group

Diam. mm	PK	Cat. No.
40	1	9.263 424
50	1	9.263 432
60	1	9.263 434
80	1	9.263 441
100	1	9.263 446
125	1	9.263 452
150	1	9.263 457
200	1	9.263 461
250	1	9.263 466



3 Watch glasses, PP

With base. Resistant to steam sterilisation (121°C).

Kartell

Diam. mm	PK	Cat. No.
60	1	9.263 526
80	1	9.263 528
100	1	9.263 530
125	1	9.263 532



4 Evaporating dishes, DURAN®

DURAN®, DIN 12336. Flat-bottom with spout. Autoclavable.

DURAN Group

Capacity ml	Rim diam. mm	Height mm	PK	Cat. No.
15	50	25	1	9.000 032
45	60	30	1	9.000 034
60	70	35	1	9.000 038
90	80	45	1	9.000 041
170	95	55	1	9.000 044
320	115	65	1	9.000 049
600	140	80	1	9.000 054
1500	190	100	1	9.000 059
2500	230	130	1	9.000 063



5 Evaporating basins, Quartz glass

Transparent silica (Quartz glass). In accordance with DIN 12336. Flat-bottom with spout.

proQuarz

Capacity ml	Rim diam. mm	Height mm	PK	Cat. No.
10	40	18	1	9.000 110
15	50	25	1	9.000 111
45	60	30	1	9.000 112
60	70	35	1	9.000 113
90	80	45	1	9.000 114
170	95	55	1	9.000 115
320	115	65	1	9.000 116



Vessels/Dishes



1 2 LLG-Crystallising dishes, borosilicate glass

Crystallising dishes with or without spout. DIN 12337/12338. Autoclavable.

Capacity ml	Diam. mm	Height mm	DIN	Description	PK	Cat. No.
20	40	25	12337	without spout	1	7.616 800
40	50	30	12337	without spout	1	6.228 031
60	60	35	12337	without spout	1	6.236 596
100	70	40	12337	without spout	1	6.233 757
150	80	45	12337	without spout	1	6.227 688
300	95	55	12337	without spout	1	6.205 104
500	115	65	12337	without spout	1	6.205 105
900	140	75	12337	without spout	1	6.236 597
2000	190	90	12337	without spout	1	6.236 598
3500	230	100	12337	without spout	1	6.236 599
20	40	25	12338	with spout	1	6.226 043
40	50	30	12338	with spout	1	7.616 171
60	60	35	12338	with spout	1	6.227 922
100	70	40	12338	with spout	1	6.228 387
150	80	45	12338	with spout	1	6.225 256
300	95	55	12338	with spout	1	6.803 567
500	115	65	12338	with spout	1	6.223 298
900	140	75	12338	with spout	1	6.206 856
2000	190	90	12338	with spout	1	6.803 371
3500	230	100	12338	with spout	1	6.231 072



3 Crystallising dishes, DURAN®

DURAN®. To DIN 12338. With spout. Dishes with capacity of 100ml and above have labelling patch. Glass Type I/neutral glass as per USP, EP and JP. Autoclavable.

DURAN Group

Capacity ml	Diam. mm	Height mm	DIN	Description	PK	Cat. No.
20	40	25	12338	with spout	1	9.144 024
40	50	30	12338	with spout	1	9.144 032
60	60	35	12338	with spout	1	9.144 034
100	70	40	12338	with spout	1	9.144 038
150	80	45	12338	with spout	1	9.144 041
300	95	55	12338	with spout	1	9.144 044
500	115	65	12338	with spout	1	9.144 049
900	140	75	12338	with spout	1	9.144 054
2000	190	90	12338	with spout	1	9.144 059
3500	230	100	12338	with spout	1	9.144 063



4 LLG-Crystallising dishes, stainless steel

NEW!

Alternative to borosilicate glass dishes for similar applications. Manufactured from seamless and robust stainless steel.

Length mm	Width mm	PK	Cat. No.
70	35	1	6.267 379
85	45	1	6.267 380
110	55	1	6.267 381



5 Crystallising dishes, flat bottom, Pyrex®

NEW!

Scilabware

- Complies to DIN 12337
- Manufactured from Pyrex® borosilicate glass
- Suitable for use up to 400°C
- Chemically and thermally resistant

Capacity ml	Diam. mm	Height mm	DIN	Description	PK	Cat. No.
100	70	40	12337	without spout	10	9.000 074
500	115	65	12337	without spout	10	9.000 075
900	140	75	12337	without spout	10	9.000 076
2000	190	90	12337	without spout	10	9.000 077



6 LLG-Porcelain evaporating dishes with spout, flat bottom, shallow form

Glazed.

Capacity ml	Ext. diam. mm	Height mm	DIN	PK	Cat. No.
10	50	10	12903	1	9.115 301
20	60	14	12903	1	9.115 302
28	75	15		1	9.115 305
55	80	20	12903	1	9.115 303
110	100	25	12903	1	6.231 540
250	130	30	12903	1	9.115 304
450	160	40		1	9.115 306
1100	200	55		1	9.115 307
1750	250	55		1	9.115 308

1 Evaporating basins, porcelain, shallow form

Glazed inside and outside except for rim.

Haldenwanger

Capacity	Rim diam.	Height	PK	Cat. No.
ml	mm	mm		
8*	40	9	1	9.000 204
10*	50	11	1	9.000 205
20*	63	13	1	9.000 206
40*	80	20	1	9.000 208
80*	100	22	1	9.000 210
270*	125	25	1	9.000 212
450	160	35	1	9.000 216
1100	190	55	1	9.000 220
1750	240	65	1	9.000 225
2500	300	60	1	9.000 230

*According to DIN standard



2 LLG-Porcelain evaporating dishes with spout, round bottom, medium form

Glazed.

Capacity	Ext. diam.	Height	DIN	PK	Cat. No.
ml	mm	mm			
10	40	16	12903	1	9.115 310
20	50	20	12903	1	9.115 311
30	63	25	12903	1	6.239 177
60	80	32	12903	1	9.115 312
150	100	40	12903	1	9.115 313
285	125	50	12903	1	9.115 314
700	170	74	12903	1	9.115 315
1000	200	80	12903	1	9.115 316
41	72	26		1	9.000 150
62	83	27		1	9.000 151
110	96	30		1	9.000 152
240	127	42		1	9.000 153
420	154	50		1	6.232 525
558	170	55		1	9.000 154



3 LLG-Porcelain evaporating dishes with spout, flat bottom, medium form

Glazed.

Capacity	Ext. diam.	Height	PK	Cat. No.
ml	mm	mm		
93	86	33	1	6.251 474
1200	195	74	1	6.241 820



4 Evaporating basins, porcelain, with spout, round bottom, medium form

Round bottom with spout. DIN 12903. 10 to 310ml sizes are completely glazed inside and out. 640 to 3400ml sizes are glazed with the exception of the outer base.

Haldenwanger

Capacity	Rim diam.	Height	PK	Cat. No.
ml	mm	mm		
10	40	16	1	9.000 304
25	50	20	1	9.000 305
35	63	25	1	9.000 306
75	80	32	1	9.000 308
115	100	40	1	9.000 310
250	115	50	1	9.000 312
580	160	64	1	9.000 316
1000	200	80	1	9.000 320
2200	250	86	1	9.000 325
3400	310	110	1	9.000 330



5 LLG-Evaporating basins, stainless steel



Manufactured from stainless steel as round bottom. A perfect product for heating and evaporating liquids. Can be used with direct flame in order to prevent breakage.

Capacity	Diam.	Height	PK	Cat. No.
ml	mm	mm		
50	60	30	1	6.267 376
130	80	40	1	6.267 377
250	100	50	1	6.267 378



Vessels/Dishes



1 Evaporating basins, 18/10 steel

18/10 steel. Cylindrical.

Bochem

Description	Capacity ml	Diam. mm	Height mm	PK	Cat. No.
Tall	125	75	35	1	9.000 460
Tall	250	85	50	1	9.000 461
Tall	500	110	55	1	9.000 462
Shallow	50	60	20	1	9.000 470
Shallow	75	70	20	1	9.000 471
Shallow	100	80	20	1	9.000 472



2 LLG- Casserole with handle, Porcelain

Capacity ml	Diam. mm	Height mm	PK	Cat. No.
22	45	26	1	7.656 131
84	67	39	1	9.252 512
176	85	49	1	9.252 513
270	101	51	1	9.252 514
450	120	64	1	9.252 515
960	150	86	1	9.252 516



3 Porcelain Crucible

To DIN 12907. Glazed inside and outside except for rim.

Haldenwanger

Capacity ml	Diam. mm	Height mm	PK	Cat. No.
80	63	35	1	9.140 113
140	80	45	1	9.140 114
290	100	65	1	9.140 115
500	125	70	1	9.140 116
1300	160	97	1	9.140 118
2600	215	112	1	9.140 119

Capacity brimful. Dimensions may vary by up to 4%.



4 Bowls, PP

Round, white with broad, stable edge and circumferential standing ring on the bottom. Food-safe product according to EC Directive No. 10/2011.

VITLAB

Capacity Litres	Ext. diam. mm	Height mm	PK	Cat. No.
1	160	70	1	9.301 216
2	200	80	1	9.301 220
3	240	100	1	9.301 224
4	280	120	1	9.301 228
7	320	130	1	9.301 232
9	360	150	1	9.301 236
13	400	180	1	9.301 240



5 Laboratory-bowls, 18/10 steel

With flanged rim. Polished finish.

Bochem

Capacity ml	Int. diam. mm	Height mm	PK	Cat. No.
1000	165	75	1	9.200 518
2000	220	75	1	9.200 524
3000	240	95	1	9.200 526
4500	260	120	1	9.200 529
6000	305	120	1	9.200 533
8000	320	145	1	9.200 536



6 Instrument trays, melamine resin

White, melamine resin. Autoclavable (121°C)

Width mm	Length mm	Height mm	PK	Cat. No.
190	150	20	1	7.608 352
240	180	20	1	9.200 324
270	210	20	1	9.200 327
300	150	20	1	9.200 328
300	190	20	1	7.055 383
360	240	20	1	9.200 335
430	290	20	1	9.200 345

7.603 295 with handle bar

1 Instrument boxes, melamine resin

Melamine resin. Base section is autoclavable (121°C).
Please order lid separately.

Width mm	Length mm	Height mm	PK	Cat. No.
110	210	30	1	9.200 177
150	190	40	1	9.200 170
160	290	30	1	9.200 165
160	290	60	1	9.200 160
240	350	40	1	9.200 155
250	350	100	1	9.200 150



2 LLG-Assortment box (NEW)

Designed for storing and transporting small labwares such as magnetic stirring bars. Manufactured from clear material for easy observation of the contents. Different size of compartments for different size of materials.

Dimensions (W x D x H) mm	PK	Cat. No.
97 x 182 x 33	1	6.267 405



3 Lids, PS for instrument boxes

For	PK	Cat. No.
9.200 177	1	9.200 181
9.200 170	1	9.200 182
9.200 165 und 9.200 160	1	9.200 183
9.200 155 und 9.200 150	1	9.200 184



4 Trays, stainless steel

Width mm	Length mm	Height mm	PK	Cat. No.
110	170	20	1	9.150 722
120	200	20	1	9.150 723
140	220	28	1	9.150 724
180	240	30	1	9.150 726
180	260	30	1	9.150 727
180	280	30	1	9.150 728
210	310	40	1	9.150 729
250	350	40	1	9.150 730
280	420	50	1	9.150 732
340	520	50	1	9.150 733



5 Instrument boxes, stainless steel 18/10

Stainless steel 18/10. Satin finish. With knob lid.

Width mm	Length mm	Height mm	PK	Cat. No.
80	120	40	1	9.200 412
100	160	30	1	9.200 416
100	200	50	1	9.200 420
150	260	50	1	9.200 426
200	300	50	1	9.200 430
180	280	60	1	9.200 428
200	400	80	1	9.200 440
300	500	100	1	9.200 450



6 Instrument boxes, glass

Glass. With vertical walls and polished rims.
 With or without stainless steel lid. Dimensions stated are nominal.

Lid	Width mm	Length mm	Height mm	PK	Cat. No.
without	60	120	40	1	9.200 014
without	90	170	45	1	9.200 017
without	100	200	50	1	9.200 020
without	100	200	100	1	9.200 037
without	150	220	55	1	9.200 022
without	150	275	60	1	9.200 028
without	220	350	70	1	9.200 035
with	60	120	40	1	9.200 114
with	90	170	45	1	9.200 117
with	100	200	50	1	9.200 120
with	100	200	100	1	9.200 137
with	150	220	55	1	9.200 122
with	150	280	60	1	9.200 128
with	220	350	70	1	9.200 135



Vessels/Dishes



1 Laboratory trays LaboPlast®, PP

White multi-purpose trays. Injection-moulded. Durable and resist flexing, with strong, rounded rim. Stackable and hygienic. Polished surface is easy to clean. Resistant to many acids and alkaline solutions. Food Safe.

Bürkle

Internal dimensions mm	Width mm	Length mm	Height mm	PK	Cat. No.
130 x 180	230	180	42	1	9.200 203
180 x 240	310	250	65	1	9.200 204
240 x 300	370	310	75	1	9.200 205
300 x 400	520	420	120	1	9.200 206
400 x 500	634	534	140	1	9.200 207
500 x 700	846	648	160	1	9.200 208



2 Tray, PP

For multi purpose use. Durable and resist to bending, with strong rounded rim. Stackable for space solving solutions, polished surface for easy cleaning. Resistant to many acids and alkaline solutions, can be used with foods.

Isolab

Length mm	Width mm	Height mm	PK	Cat. No.
183	127	50	1	6.267 362
255	180	60	1	6.267 363
355	245	70	1	6.267 364



3 Photographic trays LaboPlast®, PVC, with or without grooves

White, with or without grooves in the base. Temperature resistant up to +70°C. Trays in red or black available on request.

Bürkle

Base	Type	Width mm	Length mm	Height mm	PK	Cat. No.
140 x 190	with grooves	230	180	40	1	9.200 220
190 x 260	with grooves	320	240	50	1	9.200 225
260 x 320	with grooves	370	320	50	1	9.200 232
310 x 410	with grooves	530	430	105	1	9.200 243
420 x 510	with grooves	610	520	110	1	9.200 252
510 x 610	with grooves	730	630	110	1	9.200 267
110 x 160	without grooves	200	150	30	1	9.200 269
140 x 190	without grooves	230	180	40	1	9.200 270
190 x 260	without grooves	320	240	50	1	9.200 275
260 x 320	without grooves	370	320	50	1	9.200 282
310 x 410	without grooves	530	430	105	1	9.200 283
420 x 510	without grooves	610	520	110	1	9.200 292
510 x 610	without grooves	730	630	110	1	9.200 297

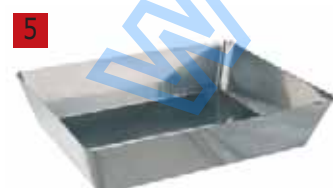


4 Photographic trays, PVC

PVC. With ribbed base.

Kartell

Width mm	Length mm	Height mm	PK	Cat. No.
150	200	45	1	9.200 372
200	250	60	1	9.200 373
260	320	70	1	9.200 374
300	350	80	1	9.200 375
330	430	90	1	9.200 376
420	520	90	1	9.200 377
530	675	100	1	9.200 378
420	540	180	1	9.200 379



5 Photographic trays, 18/10 steel

18/10 steel. With rounded edges.

Mühlacker

Width mm	Length mm	Height mm	PK	Cat. No.
140	190	50	1	9.200 700
180	250	60	1	9.200 701
190	260	50	1	9.200 702
260	320	60	1	9.200 703
240	350	70	1	9.200 704
270	400	80	1	9.200 705
330	500	100	1	9.200 706

1. General laboratory consumables

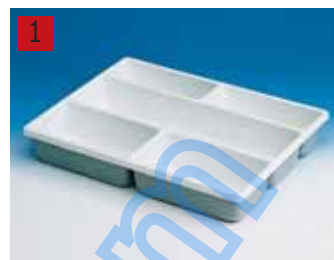
Vessels/Dishes-Crucibles

1 Tidy trays, PVC

PVC. With compartments. For use as drawer trays or bench tidy trays.

Kartell

Compartment no.	Width mm	Length mm	Height mm	PK	Cat. No.
5	304	404	64	1	9.200 370
12	303	403	63	1	9.200 380



2 LLG-Porcelain crucibles, low, DIN 12904

To DIN 12904. Glazed.

Capacity ml	Ext. diam. mm	Height mm	Form	PK	Cat. No.
5	30	19	Low form	1	9.250 900
10	35	22	Low form	1	9.250 901
17	40	25	Low form	1	9.250 902
21	45	28	Low form	1	9.250 903
34	50	32	Low form	1	9.250 904
63	60	38	Low form	1	9.250 905
91	70	44	Low form	1	9.250 906



3 LLG-Porcelain crucibles, medium, DIN 12904

To DIN 12904. Glazed.

Capacity ml	Ext. diam. mm	Height mm	Form	PK	Cat. No.
10*	30	25	Medium form	1	9.250 907
12	35	28	Medium form	1	9.250 910
20	40	32	Medium form	1	9.250 911
30	45	36	Medium form	1	9.250 912
45	50	40	Medium form	1	9.250 913
80	60	48	Medium form	1	9.250 914
120	70	56	Medium form	1	9.250 915
200*	80	62	Medium form	1	9.250 916

* Not to DIN



4 LLG-Porcelain crucibles, tall, DIN 12904

To DIN 12904. Glazed.

Capacity ml	Ext. diam. mm	Height mm	Form	PK	Cat. No.
15	30	38	Tall form	1	9.250 920
26	35	44	Tall form	1	9.250 921
35	40	50	Tall form	1	9.250 922
50	45	56	Tall form	1	9.250 923
72	50	62	Tall form	1	9.250 924
130	60	75	Tall form	1	9.250 925



5 LLG-Porcelain lids for crucible, DIN 12904

Glazed. For Cat. No. 9.052 080 to 9.052 092.

Lid diam. mm	Crucible diam. mm	DIN	PK	Cat. No.
34	30	12904	1	9.250 930
39	35	12904	1	9.250 931
44	40	12904	1	9.250 932
49	45	12904	1	9.250 933
54	50	12904	1	9.250 934
64	60	12904	1	9.250 935
74	70	12904	1	9.250 936
84	80		1	9.250 937



➔ Filter crucibles - please see page 693

Vessels/Crucibles



1 LLG-Crucibles, stainless steel

NEW!

Stainless steel crucibles can resist up to 1200°C.

Ext. diam. mm	Height mm	PK	Cat. No.
40	35	1	6.267 382
50	45	1	6.267 383
60	50	1	6.267 384



2 Crucibles, porcelain, low form

To DIN 12904. Glazed. Without lid.

Haldenwanger

Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
8	30	19	1	9.250 030
11	35	22	1	9.250 035
20	40	25	1	9.250 040
25	45	28	1	9.250 045
40*	50	32	1	9.250 050
65	60	38	1	9.250 060
95	70	47	1	9.250 070

* Conradson crucible in accordance with ASTM D 189-65



3 Crucibles, porcelain, medium form

To DIN 12904. Glazed. Without lid.

Haldenwanger

Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
10*	30	25	1	9.250 130
13	35	28	1	9.250 135
20	40	32	1	9.250 140
38	45	36	1	9.250 145
49	50	40	1	9.250 150
90	60	50	1	9.250 160
150	70	60	1	9.250 170
230*	82	65	1	9.250 180

* Not to DIN.



4 Crucibles, porcelain, tall form

To DIN 12904. Glazed. Without lid.

Haldenwanger

Capacity ml	Top diam. mm	Height mm	PK	Cat. No.
11	26	33	1	9.250 225
15	30	38	1	9.250 230
24	35	44	1	9.250 235
40	40	50	1	9.250 240
50	46	58	1	9.250 245
85	50	65	1	9.250 250
140	60	79	1	9.250 260



5 Lids for porcelain crucibles, DIN 12904

Haldenwanger

Lid diam. mm	Crucible diam. mm	PK	Cat. No.
28	20	1	6.005 993
32	26	1	9.250 306
35	30	1	9.250 308
43	35	1	9.250 310
46	40	1	9.250 313
52	46	1	9.250 314
60	52	1	9.250 316
75	70	1	9.250 319
87	83	1	9.250 327

1 Crucibles, Alsint, wide form

Conical. For use up to approx. 1700°C.
Al₂O₃ content 99.7%.

Haldenwanger

Capacity	Top diam.	Bottom diam.	Height	PK	Cat. No.
ml	mm	mm	mm		
10	30	14	24	1	9.250 389
25	41	18	37	1	9.250 390
40	48	20	41	1	9.250 391
60	54	24	50	1	9.250 392
80	60	26	50	1	9.250 393
100	66	30	56	1	9.250 394



2 Crucibles, Alsint, tall form

Conical. Max. 1700°C.
Al₂O₃ 99.7%.

Haldenwanger

Capacity	Top diam.	Bottom diam.	Height	PK	Cat. No.
ml	mm	mm	mm		
10	25	15	30	1	9.250 399
15	30	18	38	1	9.250 400
20	33	18	40	1	9.250 401
30	38	21	47	1	9.250 402
45	42	25	54	1	9.250 403
80	50	27	65	1	9.250 404
150	62	32	75	1	9.250 405
250	73	35	90	1	9.250 406
350	85	35	100	1	9.250 407



3 Lids for alsint crucibles

Haldenwanger

Lid diam.	Crucible diam.	PK	Cat. No.
mm	mm		
28	25	1	6.241 895
32	30	1	6.801 239
35	33	1	7.602 538
43	38	1	6.304 147
46	42	1	6.900 118
52	50	1	6.236 618
60	54	1	7.970 090
68	62	1	7.620 719
75	73	1	6.231 115
87	85	1	6.253 443



4 Crucibles, quartz glass, medium form

Transparent silica (Quartz glass). Medium form.

proQuarz

Capacity	Ext. diam.	Height	PK	Cat. No.
ml	mm	mm		
20	40	32	1	9.250 340
49	50	40	1	9.250 350
90	60	48	1	9.250 351



5 LLG-Porcelain incinerating dishes

Capacity	Ext. diam.	Height	Form	pour stopper	PK	Cat. No.
ml	mm	mm				
21	40	20	deep	without	1	6.237 126
64	60	30	deep	with	1	6.241 972
64	60	30	deep	without	1	6.242 424
70	81	20	low	without	1	7.654 046
103	70	35	deep	without	1	7.654 045



Vessels/Crucibles



1 Incinerating dishes, porcelain, flat form

Without spout. Glazed except for base exterior.

Haldenwanger

Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
8	37	10	1	9.115 036
10	42	11	1	9.115 041
15	47	12	1	9.115 045



2 Incinerating dishes, porcelain, cylindrical form

Deep. Without spout. Glazed, except for base exterior.

Haldenwanger

Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
15	40	20	1	9.115 140
30	50	25	1	9.115 150
60	60	30	1	9.115 160



3 Incinerating dishes, porcelain, rectangular

With vertical side walls. Glazed, except for base exterior.

Haldenwanger

Capacity ml	Length mm	Depth mm	Height mm	PK	Cat. No.
10	48	25	10	1	9.115 245
20	70	45	12	1	9.115 265
55	95	55	15	1	9.115 295



4 LLG-Porcelain incinerating boats, with loop handle

Unglazed.

Length mm	Width mm	Height mm	PK	Cat. No.
40	12	10	1	9.250 943
75	13	8	1	9.250 940
85	13	8	1	9.250 942
90	13	8	1	6.243 229
105	14	9	1	9.250 941



5 Incinerating boats, porcelain, with loop handle

Glazed porcelain.

Haldenwanger

Length mm	Width mm	Height mm	PK	Cat. No.
85	13	8	1	9.201 590
102	13	10	1	9.201 596



6 Magnesia trays

Width mm	Length mm	PK	Cat. No.
9	100	100	9.152 109



7 Magnesia rods

For flame tests.

Type	PK	Cat. No.
Magnesia rods	100	9.152 125

1. General laboratory consumables

Vessels/Crucibles-Tools/Spoons, Spatulas

1 Flame test glasses

Cobalt blue glass.

Width mm	Length mm	PK	Cat. No.
50	50	1	9.140 205
100	100	1	9.140 210



2 Combustion tube, hard porcelain

Unglazed, hard porcelain.
For Carbon and Sulphur determinations.

Haldenwanger

Ext. diam. mm	Int. diam. mm	Length mm	PK	Cat. No.
22	17	600	1	9.173 176



3 Crucibles, nickel

99.6% nickel.
Wall thickness 1mm.
Please order lid separately.

Bochem

Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
15	30	30	1	9.250 630
25	35	35	1	9.250 635
30	40	40	1	9.250 640
70	50	50	1	9.250 650



4 Lids for Crucibles, nickel

Bochem

For Crucibles	Ext. diam. mm	PK	Cat. No.
15 ml	30	1	9.250 660
25 ml	35	1	9.250 665
30 ml	40	1	9.250 670
70 ml	50	1	9.250 680



5 Laboratory spoon, stainless steel 18/10

Stainless steel 18/10

Bochem

Length mm	Spoon L x W mm	PK	Cat. No.
135	45 x 31	1	9.150 213
180	55 x 38	1	9.150 218
195	60 x 45	1	9.150 221
280	85 x 70	1	9.150 226



Spoon, stainless steel

Remanit® 4301. Polished. With one open spoon and one tapered flat end.
Length 200mm.

RSG

Length mm	PK	Cat. No.
200	1	9.150 050



9.150 050

Note: Platinum Crucibles available on request.

Tools/Spoons, Spatulas

1

1 Pharmacist's spoon, stainless steel

Remanit® 4301. Polished. Slim form. Length 150mm.

RSG

Length	Spoon L x W	PK	Cat. No.
mm	mm		
150	30 x 16	1	9.150 060

2

2 Reagent spoons, 18/10 steel

Dimensions spoon (W x L): 15mm x 25mm

Overall length mm	PK	Cat. No.
200	1	4.008 513

3

3 Reagent spoons, double-ended, 18/10 steel

18/10 steel. Double ended.

Bochem

Length	Spoon L x W	PK	Cat. No.
mm	mm		
120	30x22 - 23x17	1	9.150 012
150	30x22 - 23x17	1	9.150 015
180	40x29 - 30x22	1	9.150 018
210	40x29 - 30x22	1	9.150 021
250	48x29 - 40x29	1	9.150 025
300	48x35 - 40x29	1	9.150 030

4

4 LLG Multi-purpose spoon, 18/10 steel

Length	For	Dimensions Spoon (L x W) mm	Spatulas L x W mm	PK	Cat. No.
150	Right handed user	15 x 35	25 x 13	1	9.150 800
180	Right handed user	15 x 35	25 x 13	1	9.150 801
210	Right handed user	15 x 35	25 x 13	1	9.150 802
250	Right handed user	15 x 35	25 x 13	1	9.150 073
300	Right handed user	15 x 35	25 x 13	1	9.150 074
150	Left handed user	15 x 35	25 x 13	1	9.150 080
180	Left handed user	15 x 35	25 x 13	1	9.150 081
210	Left handed user	15 x 35	25 x 13	1	9.150 082

5

5 Spatulas, round grooved, 18/10 steel

Polished, round grooved.

Isolab

Length	Spatula width	PK	Cat. No.
mm	mm		
150	9	1	4.008 448
180	9	1	4.008 449
210	9	1	4.008 450

6

6 Powder spoon, 18/10-steel

18/10 steel. Narrow form.

Bochem

Length	Spoon L x W	PK	Cat. No.
mm	mm		
170	40 x 10	1	9.150 620

7

7 Ladles, 18/10 steel

18/10 steel. Bowl diameters as outlined below.

Bochem

Capacity ml	Length mm	Diam. mm	PK	Cat. No.
90	185	70	1	9.150 665
200	315	90	1	9.150 685
220	315	100	1	9.150 700
620	345	140	1	9.150 703

1. General laboratory consumables

Tools/Spoons, Spatulas

1 LLG- Spoon spatulas, 18/10 steel, deep form

18/10 steel. Deep form.

Length	Spoon L x W	Spatulas L x W	PK	Cat. No.
mm	mm	mm		
120	31 x 23	30 x 20	1	4.008 445
150	38 x 27	32 x 22	1	9.150 810
180	40 x 30	35 x 25	1	9.150 811
210	40 x 30	35 x 25	1	9.150 812
250	50 x 38	45 x 32	1	4.008 446
300	55 x 45	50 x 40	1	4.008 447



2 Micro spoon spatulas, 18/10 steel

Excellent grade polished stainless steel with one end having a flat spatula and the other end having a micro spoon.

Length	Spoon L x W	PK	Cat. No.
mm	mm		
150	9 x 5	1	9.150 820
180	9 x 5	1	4.008 451



3 Micro powder spatula, stainless steel

Remanit® 4301. Polished. Very flexible.

Width	Length	PK	Cat. No.
mm	mm		
3	150	1	6.239 195
3	210	1	9.220 205
4	130	1	9.220 206
4	150	1	9.220 207
4	185	1	9.220 208
5	150	1	6.231 957
6	130	1	9.220 201
6	150	1	9.220 202
6	185	1	9.220 203
6	210	1	9.220 204
7	150	1	6.226 081



4 5 Micro Spatulas, 18/10 steel

Round bent ends.

Type	Width	Length	PK	Cat. No.
	mm	mm		
A- Single-ended	5	130	1	9.220 313
A- Single-ended	5	185	1	9.220 318
A- Single-ended	5	210	1	9.220 321
B- Double-ended	5	130	1	9.220 363
B- Double-ended	5	185	1	9.220 368
B- Double-ended	5	210	1	9.220 371



6 Micro double-ended spatulas, 18/10 steel

Stainless steel with one end having a flat spatula and the other end having a flat spatula with rounded edges.

Length	Spatula width	PK	Cat. No.
mm	mm		
100	3	1	9.220 210
130	3	1	9.220 213
150	5	1	9.220 215
185	5	1	9.220 218
210	5	1	9.220 221



Tools/Spoons, Spatulas



1 2 Double ended spatulas, 18/10 steel

NEW!

18/10 steel. Narrow form.

Length mm	Type	PK	Cat. No.
130	straight	1	4.008 454
150	straight	1	4.008 455
185	straight	1	4.008 456
210	straight	1	4.008 457
250	straight	1	4.008 458
300	straight	1	4.008 459
150	curved	1	6.267 385
180	curved	1	6.267 386
210	curved	1	6.267 387



3 4 Double-ended spatulas, 18/10 steel

18/10 steel. With one end having a flat spatula and the other end having a flat spatula with rounded edges.

Bochem

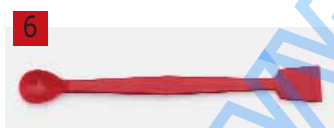
Length mm	Spatula width mm	Type	PK	Cat. No.
130	9	Straight	1	9.220 013
150	9	Straight	1	9.220 015
185	9	Straight	1	9.220 018
210	11	Straight	1	9.220 021
250	11	Straight	1	9.220 025
300	16	Straight	1	9.220 030
150	9	Bent	1	9.220 115
185	9	Bent	1	9.220 118
210	11	Bent	1	9.220 121
250	11	Bent	1	9.220 125



5 Double ended spatulas chattaway, 18/10 steel

Polished stainless steel with one end flat and the other with a bent flat end.

Length mm	Spatula width mm	PK	Cat. No.
100	9	1	4.008 452
130	9	1	4.008 453
150	9	1	9.150 815
180	9	1	9.150 816
210	9	1	9.150 817



6 LLG-Macro Spoon Spatula, PP

NEW!

Consists of a spoon on one side which allows easy transfer of sample, while the other end is a flat construction with a knife edge which can be used to draw salt or breaking crystals.

Length mm	PK	Cat. No.
150	25	6.267 390
180	25	6.267 391
210	25	6.267 392



7 Spatula with knob, 18/10 steel

Drop-forged 18/10 steel. With one flat end and one knob end.

Bochem

Width mm	Length mm	Length Flat end	PK	Cat. No.
9	150	60	1	9.220 415
11	210	70	1	9.220 421

1. General laboratory consumables

Tools/Spoons, Spatulas

1 Sampling spoon, PP

White PP. Length 180mm. Autoclavable at 121°C.
 Long handle reaches easily into jars, bottles and other confined areas; minimizes the potential of personal contact with sampled material. Safe for food, drug and cosmetic contact.

Bel-Art Products



Capacity ml	Width mm	PK	Cat. No.
1.25	20	1	9.150 643
2.46	25	1	9.150 644
4.93	30	1	9.150 645
14.79	39	1	9.150 646

2 LLG-Sampling scoops, Set of 3 parts, PP



Volume marked. Scoops have flat bottom which enables horizontal standing. Scoops have rounded corners for easy cleaning. Excellent for scooping of small or large volumes anything from powder to ice. Packed as 3 scoops as a set with scoop volume of 50, 100 and 250 ml.



Description	PK	Cat. No.
Set 3-parts each 1x 50,100 and 250ml	1	6.267 393

3 Disposable spoons LaboPlast/SteriPlast, PS, white



The LaboPlast and SteriPlast spoons made of polystyrene are clean-room produced and individually packed for one-way needs. The spoons are ideal for sampling powders, granules and pastes. The sampling spoons are available in 2.5ml (similar to teaspoons) and 10ml (similar to tablespoons). Additionally the SteriPlast spoons are gamma radiation sterilized.

- Individually packed
- Production and packaging acc. to clean-room class 7 (10 000)
- According to EU food and FDA guidelines

Type	Length mm	Capacity ml	Description	PK	Cat. No.
LaboPlast	127	2.5	non-sterile	100	6.265 033
LaboPlast	170	10	non-sterile	100	6.265 034
SteriPlast	127	2.5	sterile	100	6.265 045
SteriPlast	170	10	sterile	100	6.265 046



4 Disposable spoons LaboPlast Bio/SteriPlast Bio, Green PE, white



The LaboPlast Bio and SteriPlast Bio spoons made of Green PE are clean-room produced and individually packed (packaging also made of Bio-PE) for one-way needs. The LaboPlast Bio products are entirely made of renewable resources. Not only with regard to quality but also with regard to its characteristics for high-quality sampling, it is perfectly comparable with conventional polyethylene. They are ideal for sampling of powder, granules and pastes. Additionally the SteriPlast Bio scoops are gamma radiation sterilized.

- Product and packaging entirely made of renewable resources
- Individually packed
- Production and packaging acc. to clean-room class 7 (10.000)
- According to EU food and FDA guideline

Type	Length mm	Capacity ml	Description	PK	Cat. No.
LaboPlast	127	2.5	non-sterile	100	6.265 059
LaboPlast	170	10	non-sterile	100	6.265 060
SteriPlast	127	2.5	sterile	100	6.265 053
SteriPlast	170	10	sterile	100	6.265 054



Tools/Spoons, Spatulas



1 2 Powder spatula smartSPATULAS®, PP

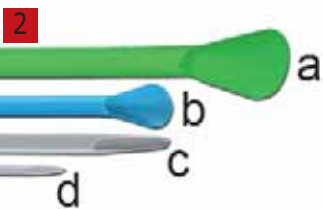


Heathrow Scientific

Single use polypropylene lab tools made to increase productivity and reduce costly contamination errors. They offer a clean alternative to metal spatulas.

- Size related designs to fit perfectly with standard 0.5, 1.5/2.0, 15 and 50 mL tubes
- Ideal for dispensing or sample collection of powders or soft solids
- Shatter resistant in liquid nitrogen and resistant to dilute acids and bases and can be used with hot liquids
- Anti-static, sterile and Eco-friendly versions available
- Autoclavable and complies with FDA standards for food contact

Description	Colour	For tubes ml	Length mm	Diam. mm	Figure	PK	Cat. No.
Micro Antistatic	Natural	0.2	140	3.5	d	300	6.256 896
Eco	Natural	15/1.5/2.0	140	7.0	-	300	6.256 894
Standard	Blue	15/1.5/2.0	210	7.0	b	300	6.256 893
Standard	Natural	15/1.5/2.0	210	7.0	c	300	6.256 895
Standard sterile	Natural	15/1.5/2.0	210	7.0	-	100	6.256 898
Macro	Green	50	310	1.0	a	150	6.256 897



3 Spatulas, PS

Impact resistant polystyrol. Available as double-ended flat spatula or one end flat and the other with spoon.

BRAND

Type	Length mm	PK	Cat. No.
Double-ended	150	1	9.220 850
Double-ended	180	1	9.220 851
With spoon	180	1	9.220 852
With spoon	210	1	9.220 853



4 Spoon spatulas, porcelain

Glazed.

Haldenwanger

Length mm	Spoon L x W mm	Spatulas L x W mm	PK	Cat. No.
121	36 x 11	33 x 10	1	9.220 812
170	45 x 20	42 x 21	1	9.220 816
210	54 x 30	48 x 25	1	9.220 820
305	131 x 42	56 x 39	1	9.220 830



5 Spatula set, stainless steel, 7 pieces

Remanit® 4301.

RSG

- 7 pieces:
- 1 x pair of forceps, blunt, straight, 145mm
 - 1 x micro spoon-spatula 150/5mm
 - 1 x micro spoon-spatula 150/7mm
 - 1 x double spatula 150/9mm
 - 1 x powder spatula 150/9mm
 - 1 x micro powder spatula 150/4mm
 - 1 x micro double spatula 150/4mm

In synthetic leather bag with hook-and-loop fastener. Made in Germany.

Type	PK	Cat. No.
Spatula set	1	7.630 153



6 Chemist's small instrument set, 5 pieces

Hammacher

- 1 x micro-powder-spatula, flexible, 150mm long
- 1 x spatula, double-ended, flexible, 150mm long
- 1 pair of scissors, sharp/sharp, straight, 140mm
- 1 x spoon spatula, 150mm, 32 x 22 mm (blade L x W)
- 1 pair of thumb forceps, simple type, 130mm long

Type	PK	Cat. No.
HSO 125-00	1	9.160 004

1. General laboratory consumables

Tools/Spoons, Spatulas

1 Chemist's large instrument set, 9-piece

Large, 9-piece set, containing:

Micro-spatula, double ended, flexible, 130mm long
 Micro-spoon spatula, spoon 5 x 7 mm, 150mm long
 Micro-powder spatula, double ended, flexible, 185mm long
 Weighing scoop, 10 x 40mm W x L, 170mm long

Scissors, straight, serrated, 170mm long
 Poly-spoon, 180mm long
 Spatula, double ended, non-flexible, 185mm long
 Spatula, wide type, both ends round, 150mm long
 Forceps, sharp, simple type, 160 mm

Hammacher

Type	PK	Cat. No.
HSO 126-00	1	9.160 010



2 Spatula/section lifter, 18/10 steel

18/10 steel. With wooden handle. Short, flexible blade.

Bochem

Length mm	Blade width mm	Blade length mm	PK	Cat. No.
150	10	50	1	9.220 510
150	15	50	1	9.220 515



3 Spatulas with wooden handle, stainless steel

Flexible, long blade as outlined below.

Bochem

Length mm	Blade length mm	Blade width mm	PK	Cat. No.
165	75	14	1	9.220 607
190	100	18	1	9.220 610
230	130	20	1	9.220 613
250	150	22	1	9.220 615
275	165	27	1	9.220 616
310	200	32	1	9.220 620
365	250	38	1	9.220 625
415	300	42	1	9.220 630



4 Pharmacist's spatula

Stainless steel 4310. With durofol handle. Flexible blade.

Length mm	Blade width mm	Blade length mm	PK	Cat. No.
165	14	75	1	9.220 490
190	18	100	1	9.220 491
230	20	130	1	9.220 492
250	22	150	1	9.220 493
310	32	200	1	9.220 495



5 Laboratory spatula, PC

Polycarbonate, crystal clear.

Width mm	Length mm	Weight g	PK	Cat. No.
20	145	18	1	9.220 841



6 Tongue depressors, wooden

Wooden.

Length mm	PK	Cat. No.
150	100	9.165 101





1 Stirring rods, AR- clear soda glass



AR- clear soda glass. With flame-polished ends.

Length mm	Ext. diam. mm	PK	Cat. No.
200	3	10	9.197 403
150	4	10	9.197 404
200	4	10	9.197 405
150	5	10	9.197 406
200	5	10	9.197 407
150	6	10	9.197 408
200	6	10	9.197 424
250	6	10	9.197 426
300	7	10	9.197 431
300	8	10	9.197 433
300	9	10	9.197 435



2 Disposable stirrer, PS

PS. Stem diameter 3mm.
With one round end and one spatula-shaped end.

BRAND

Length mm	PK	Cat. No.
120	500	9.409 501

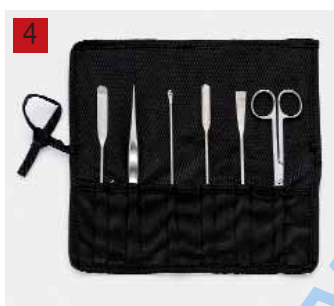


3 Deflagrating spoon

Steel. Cup 18mm diameter, shaft 450mm.

Juchheim Laborgeräte

Stem diam. mm	PK	Cat. No.
3	1	9.150 530



4 Spatula and scissor set, stainless steel



All items are manufactured from high quality AISI 304 polished stainless steel.
Easy to store and carry with the wallet.

Isolab

Description	PK	Cat. No.
Spatula and scissor set	1	6.267 388
Empty wallet for spatula and scissor set	1	6.267 389



5 Scissors dissecting, stainless steel

Excellent grade polished stainless steel with fine sharps points and close shanks.
Available as 2 types:
- straight body form
- curved body form

Type	Length mm	PK	Cat. No.
straight body form	130	1	6.236 264
curved body form	130	1	9.204 222

1. General laboratory consumables

Tools/Knives, Scissors

1 LLG-Scissors general purpose, stainless steel

Excellent grade polished stainless steel with straight form and close shanks.
 Available as 3 types:
 - sharp/sharp points
 - blunt/blunt points
 - sharp/blunt points

Type	Length mm	PK	Cat. No.
sharp - sharp	130	1	6.237 703
sharp - sharp	160	1	9.204 231
blunt - sharp	130	1	9.204 232
blunt - sharp	160	1	9.204 233
blunt - blunt	130	1	9.204 234
blunt - blunt	160	1	9.204 235



2 Surgical scissors, stainless steel

Straight, closed shanks. Point/blunt.

Length mm	PK	Cat. No.
130	1	9.204 220



3 Surgical scissors, sharp points, stainless steel

Fine-polished finish.
 Closed shanks with fine sharp points, curved or straight, as outlined below.

Length mm	Type	PK	Cat. No.
105	Straight	1	9.204 206
105	Curved	1	9.204 207



Universal scissors, stainless steel, plastic handle (NEW!)

All purpose scissors for use in the office and at home. Produced from stainless steel. Sharp blades for accurate cutting.
 Ergonomic designed handles made from ABS material feature soft-grip insert. Supplied on try-me card.
 Colour: black/red
 - stainless steel, polished
 - special grinding for precise cuts
 - ergonomic handles

Length mm	Description	PK	Cat. No.
140	Straight	1	9.160 651 4
160	Sharp	1	9.160 652 5
210	Straight	1	9.160 653 6
255	Straight	1	9.160 654 7



8 Heavy Duty Scissor, stainless steel, black (NEW!)

Stainless steel blades and large comfortable black ABS handles. Suitable for cutting tougher materials.
 Features integral groove center for opening corks from bottles, nutcracker, bottle opener, etc. Supplied on try-me card.

Description	Length mm	PK	Cat. No.
Universal scissor	215	1	9.160 655





1 Paper-cutting scissors, stainless steel

Bochem

Length mm	Blade length mm	PK	Cat. No.
250	135	1	9.204 325



9.160 656

LLG-Allround Cutter

(NEW!)

An easy and comfortable handling is ensured by the ergonomically shaped and rubber grip. The break-off device is integrated into the grip section of the ABS plastic casing. Comes with a metal blade guide and auto-lock system. Both cutters will be delivered on blister cards including 2 spare cutting blades.



9.160 657

Type	PK	Cat. No.
Allround Cutter 18 mm	1	9.160 656 2
Allround Cutter 9 mm	1	9.160 657 3
Replacement blade for Allround Cutter 18mm	10	9.160 658
Replacement blade for Allround Cutter 9mm	10	9.160 659



9.156 027

Cutter M 9

Small, handy pocket sized model with plastic handle and clip. With retractable blade and slotted cover for breaking off the blades safely. 13 break-off blades per knife. Barrel colour black. Replacement blades available.

Edding



9.156 030

Type	PK	Cat. No.
Cutter	1	9.156 027 4
Spare blade for M 9	10	9.156 030 5



9.156 018

Cutter ML 18

For heavy use, with patented safety lock for blade-lock with one hand. With retractable blade and slotted cover for breaking off the blades safely. 8 break-off blades per knife. Barrel colour white. Replacement blades available.

Edding



9.156 020

Type	PK	Cat. No.
Cutter	1	9.156 018 6
Spare blade for ML 18	10	9.156 020 7

Apollo blades

(NEW!)

High-quality Swedish alloy steel. Standard quality.

Type	Width mm	Height mm	Thickness mm	PK	Cat. No.
Bail blades with handle	39	19	0.25	100	6.322 097 8
Bail blades with handle	57	25	0.28	5	6.800 353 9
Apollo Ever-Sharp-Blades	39	19	0.30	5	9.156 110 10



6.322 097



6.800 353



9.156 110



11 Safety razor blades smartSlicer™, PET

(NEW!)

Thin as a single edge industrial razor blade, but much safer. Cleanly slice gels and combs. Available in two sizes. Adjust the size required by simply cutting with scissors. The smartSlicer™ can be used on delicate surfaces, without scratching them.

Heathrow Scientific

Type	Width mm	Height mm	Thickness mm	PK	Cat. No.
smartSlicer™	38	19	0.22	100	9.194 030
smartSlicer™	50	25	0.22	100	9.194 031

1. General laboratory consumables

Tools/Knives, Scissors

1 Multi-purpose knife

With 3 blades.

Type	PK	Cat. No.
Multi-purpose knife	1	9.160 001



2 LLG-Multi-purpose tool

Blue anodised housing with stainless steel screws. Specifications: Needlenose Pliers, Wire Cutters, Wire Stripper, Knife, Saw Knife, Saw, Screwdriver, Crosshead Screwdriver, Bottle/Can Opener, File. Supplied completely with Nylon Belt Pouch. Dimensions: 100 x 45 x 20mm

Type	Weight g	PK	Cat. No.
LLG-Multi-purpose tool	230	1	9.160 000



3 Leatherman® Wingman Multi-Tool, Stainless Steel

Tools: Spring-action Needlenose Pliers, Spring-action Regular Pliers, Spring-action Wire, Cutters, 420HC Combo Knife, Package Opener, Wood/Metal File, thomann Scissors, Small Screwdriver, Medium Screwdriver, Phillips Screwdriver, Ruler (1.5 in), Bottle Opener, Can Opener, Wire Stripper, Features: Removeable Pocket Clip. Measurements: 6.6cm (Blade Length), 9.7cm (Closed)

Type	Weight g	PK	Cat. No.
Leatherman® Wingman Multi-Tool	198	1	9.159 996



4 LLG-Hose cutter (NEW)

A perfect tool to cut even thick hoses with external diameter from 6.0 mm to 25 mm. The cut edges of tubings with the tube cutter are always clean and flat. Offers a clean and sharp cut of tubings in few seconds. Hose cutter has a two end blade which can be turned when one gets blunt and the other sharp side used.

Description	PK	Cat. No.
for diam. 6 - 25mm	1	6.267 395



5 Universal slicer

Stainless steel. Sturdy with plastic coated handle. Persistard metal handle (inside). Bochem

Length mm	Blade length mm	PK	Cat. No.
190	40	1	9.204 332



6 LLG-Universal slicer (NEW)

Heavy duty scissor for cutting almost all material even also thin layers of steel. Cutting blade is manufactured from high quality hardened stainless steel. Spring supported ergonomic plastic handle with safety lock offers easy and secure use.

Length mm	PK	Cat. No.
185	1	6.267 394



7 Ceramic knife

Stainless. Non-magnetic. Heavy duty ceramic, metal-free blade. Specially for preparing samples in trace element analysis. Dishwasher safe. Blade length 120mm.

Type	PK	Cat. No.
Knife	1	9.160 680



Tools/Glass working-Workshop tools



1 Glass markers, diamond-tipped

Writing diamond for writing on glass. Available as a pen with retractable tip or mounted on a wooden handle.

Type	PK	Cat. No.
With wooden grip	1	9.032 920
Pen type	1	9.032 930



2 Glascribe® Pen

Mark laboratory glassware with the Glascribe® Pen with retractable tungsten carbide tip (Mohs Hardness = 9). It easily inscribes on glass, ceramics, and plastic. The pen has a pocket clip so it is always handy when needed.

Bel-Art Products

Type	PK	Cat. No.
Glascribe® pen	1	9.032 932



3 Electro-diamond pen

For writing on specimen slides and for marking, labelling or engraving metal or plastic. The motor automatically switches on once the hand is in the writing position and switches off once the pen is horizontal again. The writing nib rotates rapidly allowing effortless engraving. The nib can be exchanged easily without the need for tools. The engraving is deep so that it will last indefinitely. Weight approx. 100g, finger grip approx. 15mm. Includes nib type A for glass, 1.5mm diameter. Other nib types are available as accessories.

Type	PK	Cat. No.
Electro-diamond pen	1	9.032 940



4 Nibs, for electro-diamond pen.

For electro-diamond pen. Supplied singly.

Type	For	PK	Cat. No.
A	Glass, 1.5 mm dia.	5	9.032 945
B	Hardened metal, 2.5 mm dia.	5	9.032 946



5 Glass tubing cutter

For glass tubing up to 30mm Ø. With interchangeable hard metal wheel.

Type	PK	Cat. No.
Glass tubing cutter	1	9.110 510
Replacement roller	1	9.110 511



6 Glass cutting knife

With interchangeable blades made of metal.

Type	PK	Cat. No.
Glass cutting knife	1	9.110 500
Replacement blade	1	9.110 501



7 Hammer

DIN 1041, steel-forged hammer head, double bracketed with ash handle.

Weight	PK	Cat. No.
g		
300	1	9.306 127

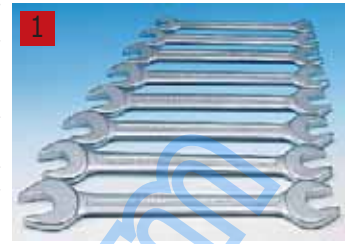
1. General laboratory consumables

Tools/Workshop tools

1 Double open-ended spanner set

Chrome vanadium steel. Complies with DIN 3110.
Drop-forged, chromium-plated. Comprises of 8 spanners, 6mm to 22mm.

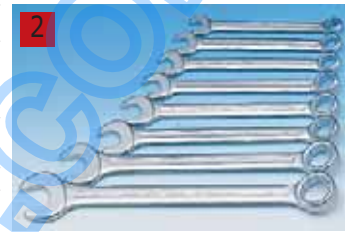
Type	PK	Cat. No.
Double open-ended spanner set	1	9.306 021



2 Combination spanner set

Chrome vanadium steel. Complies with DIN 3113. Comprises of 8 spanners, 8mm, 9mm, 10mm, 11mm, 13mm, 14mm, 17mm and 19mm.

Type	PK	Cat. No.
Combination spanner set	1	9.306 105



3 Precision engineer's set

With 1/4" square drive, 36-piece set. Includes 4mm - 13mm sockets, screwdriver bits with square drive for slotted, Phillips, TORX (with frontal hole) and Allen sockets as well as 1.25mm - 1.5mm - 2.0mm - 2.5mm and 3mm angled Allen keys.

Type	PK	Cat. No.
PROXXON 23080	1	9.306 121



4 Laboratory tool box

12 piece ring/open end spanner set: 1 piece each in sizes 6mm to 15mm, 17mm and 19mm. Knipex 180mm combination pliers. Knipex 240mm water pump pliers. FLEX-DOT screwdriver set: 1 slotted screwdriver each in sizes 8.0 x 1.2mm - 5.5 x 1.0mm and 3.0 x 0.5mm. 1 Phillips screwdriver, size 2. Including two stubby screwdrivers: 1 size 2 Phillips screwdriver and 1 slotted screwdriver 5.5 x 1.0mm. Automotive light tester with cable and crocodile clip (for automotive electrical systems only).

Sockets, sizes 8mm - 10mm - 12mm - 13mm - 14mm - 15mm - 17mm - 19mm - 22mm and 24mm. Reversible ratchet. Universal joint. 1 each 125mm and 250mm extensions. Long T-handle with slide (for loosening wheel nuts). Special 16mm and 21mm spark plug sockets with ball head on longer side. Pocket Allen key set (8 piece set) from 1.5 - 8.0mm. PROXXON ball-peen hammer (300g), ground on all sides and partially polished. With inseparable graphite handle (fibre-glass reinforced, non-slip soft coating in grip area) for unparalleled vibration damping.

Type	PK	Cat. No.
PROXXON 23650	1	9.306 125



5 Screwdriver set

Hardened, chrome vanadium molybdenum steel. With impact-resistant, cadmium-free, plastic handles. Insulated in accordance with VDE 0680/2, 1000V, 7 screwdrivers.

- 4 VDE screwdriver: 2.5 x 80/3.5 x 100/4 x 100/5.5 x 125mm
- 2 VDE Phillips screwdriver: PH1 x 80/PH2 x 100mm
- 1 Voltage detector

Type	PK	Cat. No.
Wera 160i/7	1	9.306 107



6 Allen key set

8 piece, 2-10mm.
In shock-resistant plastic case with clear, sliding lid.

Type	PK	Cat. No.
Wiha 351	1	6.206 421



Tools/Workshop tools



1 Electronics screwdriver set with rack

6-piece screwdriver set consisting of:
 4 flat screwdrivers: 2.5mm/3.0mm/3.5mm/4.0mm
 2 PH screwdrivers: Size 0 and 1

Type	PK	Cat. No.
Electronics screwdriver set with rack	1	9.210 143



2 Side cutting pliers

Type 7001. DIN 5238 B. ISO 5749. For hard and soft wire. Inductively hardened precision cutting edges. Cutting hardness approx. 62 HRC. Plastic coated handles.

Length mm	PK	Cat. No.
180	1	9.306 111



3 Water pump pliers

Chrome vanadium steel. Form D. With locking groove and glide adjustment. Inductively hardened toothed grips. 6 position jaw opening.

Length mm	PK	Cat. No.
250	1	9.306 115



4 Combination pliers

Tool steel. Light design. DIN ISO 6746. For cutting hard and soft wire. Long cutting edges for thicker cable. Inductively hardened cutting edges. Cutting hardness 60 HRC. Plastic coated handle grips.

Length mm	PK	Cat. No.
180	1	9.306 117



5 Vernier calliper gauge, digital

Stainless steel, with 5 digit LCD display. Accuracy $\pm 0.03\text{mm}$, resolution 0.01mm. Switchable between metric/imperial.

Bochem

Type	Length mm	PK	Cat. No.
Digital	150	1	9.204 610



6 LLG-Torch

Sturdy torch with 12 energy saving LED lights for ultra-bright light. Made from metal with practical hand strap incl. 3 x 1.5V AAA batteries.

Dimensions (Dia. x L): 30 x 120mm

Type	PK	Cat. No.
LLG-Torch	1	9.961 000



7 LED-Flashlight, Lumatic Spot

3 Watt CREE LED, range up to 120m, zoom or focus for diffused light. Durable aluminum housing, splash-proof, with carrying strap and bag, batteries 3 x 1.5V AAA.

NEW!

TFA Dostmann

Specifications
 Dimensions (Dia. x L): 34 x 115mm
 Weight: 170g

Type	PK	Cat. No.
Lumatic Spot	1	9.156 233

1 LLG - Forceps assortment, 4-parts, chromium-nickel steel (NEW)

LLG - Forceps assortment, 4-parts, chromium-nickel steel (1.4301) in synthetic leather bag including:
 1 Sharp forcep, curved, 115mm
 1 Thumb forcep, 115mm
 1 Forcep with guide pin straight, 130mm
 1 Coverglas forcep, 115mm
 1 Synthetic leather bag, 6 subjects 100 x 175mm



Description	PK	Cat. No.
LLG - Forceps assortment, 4-parts	1	9.160 394

2 High Precision forceps kit, 5-parts, stainless steel, anti-magnetic, anti-acid (NEW)

High Precision Tweezers Kit, swiss made, high quality finish, anti-magnetic and acid resistant stainless steel in a solid cardboard box with foam insert, including 5 forceps:
 120 mm, flat edges, fine tips
 120 mm, flat, accurate, round tips
 110 mm, very sharp, fine tips
 110 mm, extra fine tips
 115 mm, very fine, 45° curved tips

Ideal-tek



Description	PK	Cat. No.
High Precision forceps kit, 5-parts	5	9.160 124

3 TRIZETTE® - Magnifier tweezer with LED light

- extra bright LED light to be switched on when needed
 - approx. 3.2 cm big plastic lens for 4-fold magnification

Werner Dorsch

Size: approx. 14 x 4 x 2 cm, Weight: 27 g.
 Delivery on blister card. 3 button cell batteries (LR44) incl.



Description	PK	Cat. No.
TRIZETTE®	1	9.160 660

4 One-time tweezers, PS, sterile (NEW)

One-time tweezers, 120 mm, sterile, PS, anatomic

Description	Length mm	PK	Cat. No.
One-time tweezers, sterile	120	500	7.634 697



5 LLG-Forceps, 18/10 steel

Sprung flutes.

Length mm	Type	PK	Cat. No.
105	blunt-straight	1	4.008 471
115	blunt-straight	1	4.008 472
130	blunt-straight	1	4.008 473
145	blunt-straight	1	6.255 826
160	blunt-straight	1	4.008 474
200	blunt-straight	1	4.008 475
250	blunt-straight	1	4.008 476
300	blunt-straight	1	4.008 477
115	blunt-straight, with tooth	1	4.008 478
130	blunt-straight, with tooth	1	4.008 479
145	blunt-straight, with tooth	1	4.008 480
160	blunt-straight, with tooth	1	4.008 481



Tools/Forceps



1 LLG-Dissecting forceps, stainless steel 420

Manufactured from premium grade polished stainless steel with fine sharp points and sprung flutes.
Available as 2 types:
- straight body form
- curved body form

Length mm	Type	PK	Cat. No.
105	sharp - straight	1	4.008 482
115	sharp - straight	1	9.171 121
130	sharp - straight	1	9.171 122
150	sharp - straight	1	9.171 123
160	sharp - straight	1	4.008 483
200	sharp - straight	1	4.008 484
105	sharp - curved	1	4.008 485
115	sharp - curved	1	9.171 124
130	sharp - curved	1	6.236 683



2 Tissue forceps, 18/10 steel

With tooth grips 1:2.

Length mm	PK	Cat. No.
115	1	9.171 311
130	1	9.171 313
145	1	9.171 314
160	1	9.171 316



3 Forceps, curved end, stainless steel

Remanit® 4301, with sharp ends, angled.

Length mm	PK	Cat. No.
105	1	7.637 274
115	1	9.171 211
130	1	9.171 213
145	1	9.171 214
160	1	9.171 215
200	1	9.171 217



4 Forceps, fine, 18/10 steel

Non-magnetic. Extra fine ends, without grooves.

Length mm	Type	PK	Cat. No.
105	Straight	1	9.160 130 4
105	Curved	1	9.160 135 5



6 Forceps, curved end, 18/10 steel

Stainless 18/10 steel. Curved ends with sharp tips.

Length mm	PK	Cat. No.
115	1	9.171 221
135	1	9.171 223
145	1	9.171 224
160	1	9.171 225

1 Precision Forceps, anti-Magnetic, anti-Acid, replaceable tips (NEW)

130 mm high quality steel tweezers with strong plastic replaceable tips. Tips made of plastic type CF (carbon fibre), handles made of anti-magnetic anti-acid stainless steel. For laboratory applications in moderately aggressive chemical environments.

Ideal-tek

Tips made of PA66/CF30 polyamide 66 reinforced with 30 % carbon fibre. Very high rigidity, excellent tensile and flexural strength, fatigue resistance. Excellent wear and abrasion resistance. Not resistant to strong acids, alkalis and hot water or steam. Very low coefficient of linear thermal expansion.

Forceps made of Stainless Steel type SA, from 16.5 to 18.5 % chromium and nickel and molybdenum as additional alloying elements. Non-magnetizable.



Description	Length mm	PK	Cat. No.
Tweezers, exchangeable fine tips	130	1	6.266 878
Tip tweezers, exchangeable extra fine tips	130	1	6.266 879
Tip set for plastic replaceable tip tweezers, 2 tips, 3 screws for article no. 6.266 878		1	6.266 880
Tip set for plastic replaceable tip tweezers, 2 tips, 3 screws for article no. 6.266 879		1	6.266 881

2 High Precision Tweezers, anti-Magnetic, anti-Acid (NEW)

High Precision Tweezers, swiss made, high quality finish, anti-magnetic and acid resistant stainless steel

Ideal-tek

Type	Length mm	PK	Cat. No.
flat edges, fine tips	120	1	6.266 873
flat, round tips	120	1	6.266 874
very sharp, fine tips	110	1	6.266 875
extra fine tips	110	1	6.266 876
very fine, 45° curved tips	115	1	6.266 877

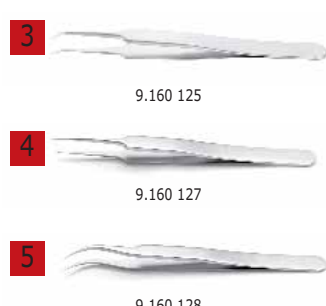


High Precision Forceps (NEW)

Swiss made. Stainless steel. Electro-polished surface. Precision made. Very fine tips as outlined below.

Ideal-tek

Type	Length mm	Width Tip mm	Thickness mm	PK	Cat. No.
Angled 45°	110	0.10	0.06	1	9.160 125
Angled 90°	110	0.10	0.06	1	9.160 126
Straight	110	0.10	0.06	1	9.160 127
Curved	115	0.17	0.10	1	9.160 128
Straight	135	0.10	0.06	1	9.160 129



6 7 Gerald micro forceps, stainless steel

Dressing forceps, 175mm long

Length mm	Form	PK	Cat. No.
175	straight	1	9.160 187
175	curved	1	9.160 188



8 LLG-Cover glass forceps, self-locking, stainless steel

Stainless steel 4301

Length mm	Form	PK	Cat. No.
105	Straight	1	9.160 380
105	Curved	1	9.160 381



9 Membrane Tweezers (NEW)

Swiss made. Made of austenitic steel. Non-magnetizable. Good corrosion resistance to most chemicals, salts and acids. Flat, with round tips and rounded edges. Especially suitable for safe handling of transfer membranes.

Ideal-tek

Length mm	Form	PK	Cat. No.
115	flat, round tip	1	9.160 131



Tools/Forceps-Scoops



1 LLG-Cover glass forceps, type Kühne, stainless steel

Stainless steel 4301

Length mm	Form	PK	Cat. No.
115	Curved	1	9.160 386
130	Curved	1	9.160 387
145	Curved	1	9.160 388
115	Straight	1	9.160 391
130	Straight	1	9.160 392
145	Straight	1	9.160 393



9.160 205

2 Cover glass forceps, stainless 18/10 steel

With flattened ends, straight or curved as outlined below. Points 6mm wide.

Length mm	Form	PK	Cat. No.
105	straight	1	9.160 205 2
105	curved	1	9.160 210 3



9.160 210

4 Tweezers for filter paper, stainless steel

Perfect tool to use for handling papers.

NEW!

Isolab

Description	PK	Cat. No.
Tweezers for filter paper	1	6.243 682



5 Forceps, PMP

White. Polymethylpentene (PMP). Elastic. With pointed ends. Comfortable to use. Self-sprung. Autoclavable (121°C).

Length mm	PK	Cat. No.
115	1	9.171 411
145	1	9.171 414



6 Forceps, POM

Polyoxymethylene(POM). Yellow. Glass-fibre reinforced POM. With blunt, rounded tips. Flexible. Non-conductive.

Length mm	PK	Cat. No.
115	1	7.009 045
145	1	7.009 046
180	1	9.171 418
250	1	9.171 425

➔ Further forceps please see page 1275.



7 LLG-Dispensing scoops, PE-HD

For heavy industrial use. Suitable for foodstuff.

Capacity ml	Length mm	PK	Cat. No.
250	25	1	9.201 091
500	30	1	9.201 092
1000	35	1	6.240 471
1500	40	1	9.201 093



8 Measuring scoops, PE-HD

Natural colouring. Conical in shape with tapered filling edge. Food-safe product according to EC Directive No. 10/2011.

VITLAB

Capacity ml	Length mm	PK	Cat. No.
15	115	1	7.008 959
25	135	1	7.008 960
65	185	1	7.008 961
110	215	1	7.008 962
150	250	1	9.201 025
350	310	1	9.201 030
750	350	1	9.201 035
1250	400	1	9.201 040

1. General laboratory consumables

Tools/Scoops-Heating/Drying

1 Measuring scoops, PP

White measuring scoops which are also suitable as weighing scoops.
With precision formed filling edge and comfortable, stable handle.
Easily readable volume quantities on the upper side of the handle.
Food-safe products according to EC Directive No. 10/2011.

VITLAB



Capacity ml	Length mm	PK	Cat. No.
2	60	1	9.201 052
5	82	1	9.201 053
10	100	1	9.201 055
25	135	1	9.201 057
50	160	1	9.201 058
100	200	1	9.201 059
250	260	1	9.201 061
500	315	1	9.201 062
1000	385	1	9.201 065

2 Dispensing scoops, Aluminium

Capacity ml	Overall length mm	Length Scoop mm	PK	Cat. No.
42	135	80	1	9.201 113
105	185	113	1	9.201 118
140	210	120	1	9.201 121
260	250	145	1	9.201 125
340	265	155	1	9.201 126
555	310	185	1	9.201 131
675	350	220	1	9.201 135
1510	400	270	1	9.201 140
3000	430	300	1	9.201 143



3 FoodScoop, Stainless steel

Very stable hand scoop for various applications, particularly suited for the food industry.
Seamless connection of scoop and hollow handle, therefore without crevices and edges.
Especially smooth, highly polished surface.



Bürkle

- Especially sturdy model
- Stainless steel V2A (1.4301)
- With handy suspension eyelet

Capacity ml	Overall length mm	Length Scoop mm	PK	Cat. No.
100	215	120	1	6.254 785
200	230	140	1	6.252 363
250	245	155	1	6.254 786
350	290	180	1	6.242 476
500	350	220	1	6.072 181



4 Dispensing scoops, stainless steel

Remanit® 4301

RSB

Capacity ml	Overall length mm	Length Scoop mm	Diam. mm	PK	Cat. No.
120	190	100	50	1	9.201 219
450	250	150	75	1	9.201 222
1000	310	200	105	1	9.201 232
1500	350	240	120	1	9.201 235
2000	365	250	150	1	6.080 286



5 Laboratory dryer HT0139

Power: approx. 2100 W. 2 speed settings, 3 temperature settings with cold air-stream button. soft-touch housing.
Air-inlet grille detachable for cleaning. cable retracts at the touch of a button.

Type	PK	Cat. No.
HT0139	1	9.106 788





1 Bunsen burner, portable Labogaz® 206

For operation with gas cartridge C 206 GLS (Cat.-No.: 9.018 520). DVGW-authorized.

Weight: 380g without cartridge
 Height: 200mm with cartridge
 Consumption: 55g/h

Type	PK	Cat. No.
Labogaz® 206	1	9.018 510



2 Bunsen burner, portable, Labogaz® 470

For operation with gas cartridges CV 300 Plus (Cat.-No.: 6.243 905) or CV 470 Plus (Cat.-No.: 9.018 512).

Weight: 380g without cartridge
 Height: 190mm with cartridge
 Consumption: 55g/h

Type	PK	Cat. No.
Labogaz® 470	1	9.018 511



9.018 540

3 Blowlamp Soudogaz® X 2000/X 2000 PZ

High performance multi-purpose blowlamp with a high quality brass burner. Metallic cartridge cover with plastic screw-on base for easy cartridge insertion. To use with cartridge C 206 GLS.

Weight: 380g without cartridge
 Consumption: 120g/h
 Flame temperature: approx. 1750°C

Type	PK	Cat. No.
Soudogaz® X 2000 without piezo ignition	1	9.018 540 ³
Soudogaz® X 2000 PZ with piezo ignition	1	9.018 539 ⁴



9.018 539



5 Blowlamp PT 2000

Sturdy brass body and burner with fine flame adjustment for soft and hard soldering. Polypropylene shock-resistant, ergonomic handle. To use with cartridge C 206 GLS.

Weight: 380g without cartridge
 Consumption: 120g/h
 Flame temperature: 1750°C

Type	PK	Cat. No.
Blowtorch PT 2000	1	9.018 547

Gas cartridges

C 206 GLS pierceable cartridge

Piercing cartridge with integrated gas lock system according to EN 417: 2012. For bunsen burner without safety valve. For bunsen burners Labogaz® 206 and Soudogaz blow torches.

CV470 Plus and CV 300 Plus valve cartridge

With safety valve. For bunsen burner Labogaz® 470.

CV 360 valve cartridge

With safety valve. For gas-safety burner schuett phoenix (Cat.-No. 9.018 761).

Safety valve allows removal of partially used valve gas cartridges.

Type	Capacity g	Height mm	Description	PK	Cat. No.
C 206 GLS	190	90	Gas ratio 80/20 Butane/Propane	1	9.018 520 1
C 206 GLS	190	90	Gas ratio 80/20 Butane/Propane (large pack)	36	6.261 010
CV 300 Plus	240	105	Gas ratio 80/20 Butane/Propane	1	6.243 905 2
CV 470 Plus	450	140	Gas ratio 80/20 Butane/Propane	1	9.018 512 3
CV 470 Plus	450	140	Gas ratio 80/20 Butane/Propane (large pack)	12	6.261 011
CV 360	52	140	Butane	1	9.018 519 4

1



9.018 520

2



6.243 905

3



9.018 512

4



9.018 519

5 Spirit burner

18/10 steel. With wick height adjuster and sealing cap. Capacity approx. 60ml.

Type	PK	Cat. No.
Spirit burner	1	9.018 560

5



Spirit lamp

Soda-lime glass. Flat conical form. With ground on cover. Without filling inlet, without wick or nozzle (please order separately). Capacity 100ml.

Type	PK	Cat. No.
Without filler inlet	1	9.018 549 6
Wick	1	9.018 553
Nozzle	1	9.018 554

6



9.018 549

7 Teclu burner, Ms-Ni

Nickel-plated brass and steel. DIN 30665. max. 1300°C, with needle valve, air regulator and pilot light. An anti-slip rubber coating under the base ensures absolute stability.

Bochem

7



Height mm	Rating kW	Type	PK	Cat. No.
180	1.53	Natural	1	9.018 377
180	2.36	Propane	1	9.018 378

Heating/Burners

1


1 Safety burner, Ms-Ni

Maximum temperature 1300°C, with needle valve, **thermo safety element** (bimetallic flame sensor with magnetic lock), air regulator and pilot light. Nickel-plated brass and steel. An anti-slip rubber coating under the base ensures absolute stability.

Bochem

Height mm	Rating kW	Type	PK	Cat. No.
180	1.53	Natural gas	1	9.018 388
180	2.36	Propane	1	9.018 389

2


2 Bunsen burner, Ms-Ni

With needle valve DIN 30665. Air regulation, pilot flame, max. 1300°C. An anti-slip rubber coating under the base ensures absolute stability.

Bochem

Height mm	Rating kW	Type	PK	Cat. No.
160	1.53	Natural gas	1	6.076 257
160	2.36	Propane	1	6.088 530

3


3 Teclu burners

Teclu burner with stopcock and pilot flame DIN (NG-2411 B00033)

Juchheim Laborgeräte

Height mm	Weight g	Description	PK	Cat. No.
165	360	for natural gas	1	9.018 311
165	360	for propane gas	1	9.018 312

4


4 Teclu burners

Teclu safety burner with needle stopping valve and thermofeeler with safety valve on heavy plate shaped base.

Juchheim Laborgeräte

Height mm	Weight g	Description	PK	Cat. No.
200	685	for natural gas	1	6.056 812
200	685	for propane gas	1	6.072 042

5


5 Bunsen burners

Bunsen burner with needle valve and pilot flame DIN (NG-2411 B00031).

Juchheim Laborgeräte

Height mm	Weight g	Description	PK	Cat. No.
150	300	for natural gas	1	9.018 313
150	300	for propane gas	1	9.018 314

6


6 Teclu burners

Teclu burner with needle valve DVGW-Nr. NG-2411B00033.

Juchheim Laborgeräte

Height mm	Weight g	Description	PK	Cat. No.
150	325	for propane gas	1	6.236 456
150	325	for natural gas	1	9.018 310

Gas safety tubing please see page 139

1 Bunsen burners

Bunsen burner with stopcock and pilot flame DIN (NG-2411 B00032) *Juchheim Laborgeräte*

Height mm	Weight g	Description	PK	Cat. No.
155	315	for natural gas	1	9.018 318
155	315	for propane gas	1	9.018 319



2 Bunsen burners

Bunsen burner with needle valve DIN (NG-2411 B00031). *Juchheim Laborgeräte*

Height mm	Weight g	Description	PK	Cat. No.
150	320	for natural gas	1	9.018 316
150	320	for propane gas	1	9.018 317



3 Rubber sucker base for Juchheim laboratory burner

Juchheim Laborgeräte

Description	PK	Cat. No.
Rubber sucker base for Juchheim laboratory burner	1	9.018 315



4 Bunsen burners with air regulator and needle valve

With air regulator and needle gas valve.

Height mm	Type	PK	Cat. No.
160	Universal burner	1	9.018 294
	Rubber sucker base	1	9.018 360



5 Multi gas burner Teclu, Ms-Ni

With stopcock. Air regulation, max. 1300°C. An anti-slip rubber coating under the base ensures absolute stability.

Height mm	Rating kW	Type	PK	Cat. No.
160	0.5 - 3	Multi gas	1	9.018 292



6 Gas lighter

For all types of gas. Bow-shaped. With flint.

Type	PK	Cat. No.
Gas lighter	1	9.018 801
Flints	1	9.018 805



7 Piezoelectric gas lighter, Clipper

Piezoelectric.

Type	PK	Cat. No.
Piezoelectric gas lighter, Clipper	1	9.018 820



Safety Laboratory Gas Burners Fuego SCS series

Suitable for all flame related applications in the laboratory. The low profile body facilitates ergonomic operation; the streamlined design reduces air flow disturbances in a clean room workbench. The Fuego SCS series can be operated with foot pedal, button function or touch free IR-Sensor. Made of stainless steel, with fireproof controls.

WLD-TEC

- SCS Safety Control System with gas safety cut off: Ignition and flame control, temperature monitor, automatic unit switch off, residual heat display, burner head assembly monitor.
- BHC Burner Head Control.
- Removable burner head.
- Tilt mechanism right/left.
- Turbo flame.
- Holding device for 3 inoculation loop holders.
- Nozzles for natural gas, propane/butane gas.
- Approved by DIN-DVGW, approval no. NG2211AS0167.
- Warranty: 2 years.

Fuego SCS basic/ Fuego SCS basic RF: With stainless steel foot pedal. The foot pedal regulates the burning time either by continuous foot pressure or by start-stop function. Instrument with ON/OFF button function. Basic model without IR-Sensor and without graphic display.

Fuego SCS basic RF: Features as Fuego SCS basic but enables wireless operation due to modern radio foot pedal.

Fuego SCS/Fuego SCS pro: with Double-Click IR-sensor, button function and foot pedal operation. (foot pedal optional).

Double-Click IR-sensor: This adjustable safety function ensures that the burner can only be ignited by activating the IR-Sensor twice.

Adjustable IR-sensor reaction distance: 5mm to 50mm.

Illuminated graphic display: The animated, self-explanatory and language-less symbol display facilitates a rapid selection of all functions.

6 standard-programs with count down display: 1sec to 2hrs selectable.

The first safety laboratory gas burner with comfort package: Cooling time reminder for inoculation loops, temperature regulation for heating media, gas consumption display for gas cartridges, flexible and individual by selecting user account, acoustic signals as operating aids.

Additional safety assistance: Zero-pressure shut off for a pressureless gas hose. Graphical installation instructions facilitate the initial start-up.

Fuego SCS pro: Features as Fuego SCS, plus battery operation (9hrs), 2 rechargeable batteries (Mignon AA), fast charge function (3hrs) and safety tilt sensor.

Additional accessories are available on request.

Specifications

Dimensions (WxDxH):	103 x 130 x 49mm
Power supply:	100-240V 50/60Hz
Weight:	700g

Type	PK	Cat. No.
Fuego SCS basic	1	6.232 207 1
Fuego SCS basic RF	1	6.255 678
Fuego SCS	1	6.231 770 2
Fuego SCS pro	1	9.018 584
Stainless steel foot pedal	1	9.018 585



1 schuett phoenix II Safety Bunsen Burner

schuett-biotec

For sterilising, heating, flame sterilising. For use in every microbiological laboratory or in safety cabinets. Modern Bunsen burner with state-of-the-art safety features plus outstanding quality characteristics:

- Controlled burning time 1 sec to 120 min (selectable)
- Automatic safety shut-off when not in use (selectable)
- Overheating protection/burner control by sensors
- Precise economic flame regulation (stable flame in strong air current)
- Flame and ignition monitoring
- Tilting right or left
- Operating status, safety notes and warnings in written language for most international languages. Brilliant colour display. Unique Joy-Stick navigation. Operating modes: by hand or with foot pedal or motion sensor. Housing made of stainless steel and safety glass. UV- and solvent resistant. For case of cleaning and flame-sterilising. Suitable for use with natural gas (central gas) or butane/propane gas (gas cartridges). "Push-and-Twist" bayonet fixture for burner head, no tools needed for cleaning. Integrated stand for tilting right or left. Safety standard acc. to DIN 30665 part 1, DIN-DVGW Reg.NG-2211AR0750.

3 models available:

schuett phoenix II eco

(with LED control lamp and foot-switch) Start flame by foot-switch or button (On/Off). Best suited for use in microbiological safety cabinets. Best price to performance ratio.

schuett phoenix II standard

(brilliant colour display, selection of native language, sensor and foot-switch) Start/Stop flame by activating sensor 1x or 2x, use foot switch or press button by hand. Continuous display of timer.

schuett phoenix II accu

(brilliant colour display, selection of native language, sensor and built-in extra heavy duty power cells) Start/stop flame by activating sensor 1x or 2x, use foot-switch or press button by hand. Continuous display of timer and battery power. Operates for up to 30 hours, intermittent use.

Complete with battery charger for 3 hour recharging. Ideal for mobile usage.

Flame sterilization carousels semi- and fully automated

For precise and time-controlled flaming of different kinds of inoculating loops. Minimization of gas consumption, the life of the inoculating loops is significantly increased. The inoculating loop is placed into the carousel after use and is sterilized immediately after turning the holder in flaming position. Sterilization time infinitely adjustable. Designed for continuous work-flow with sample series in the Laminar Flow.

Semi-automated: schuett easyloop (for 6 Inoculating loop holders, included)

Comfortable manual rotation, fully automated flaming process. For use with Safety Bunsen Burners schuett phoenix II standard and accu.

Sterilization time: 3 to 5 s (adjustable from 1 s to 120 min)

Fully automated: schuett flummy R (for 5 Inoculating loop holders, included)

Fully automated rotation and inoculating. In combination with a standard gas-safety-burner (e.g. schuett phoenix II). Sterilization time: 2 to 10 s



Type	Width mm	Depth mm	Height mm	Weight g	PK	Cat. No.
schuett phoenix II eco (Fig. b)*	128	160	85	1000	1	9.018 760
schuett phoenix II standard (Fig. a)*	128	160	85	1000	1	9.018 761
schuett phoenix II accu (Fig. a)	128	160	85	1000	1	9.018 762
schuett easyloop (Fig. g)	150	190	310	900	1	9.018 798
schuett flummy R	100	160	345	2000	1	9.018 779

*incl. foot switch, stainless steel

Accessories for gas-safety burner schuett phoenix II

schuett-biotec

Type	PK	Cat. No.
Adapter for gas cartridges CV 360 incl. pressure reducer (Fig. f)	1	7.930 139
Adapter for gas cartridges C 206* (Fig. e)	1	6.244 006
Adapter for gas cartridges CV 300/470*	1	6.240 475
Adapter for gas cartridges CP 250*	1	9.018 750
Adapter for gas cartridges CG 1750*	1	9.018 751
Windshield, stainless steel (Fig. d)	1	9.018 752
Glass spatter guard (Fig. c)	1	9.018 753
Gas safety hose with threaded screw connections for propane/butane 0.5m	1	9.018 754
Gas safety hose with threaded screw connections for propane/butane 2.0m	1	9.018 755
Hot-Tray, stainless steel, height-optimized	1	9.018 756
Instrument tray	1	9.018 758
Foot-switch, stainless steel	1	9.018 759

* Incl. pressure regulator and 0.5m safety gas tubing.

1 Loop Sterilizer schuett solaris

Sterilization of inoculating loops, tweezers and small instruments within seconds.

schuett-biotec

- Sturdy and maintenance-free, no wearing parts
- No gas, no open flame - Works with standard electrical power
- Intuitive, easy to use
- Instant, ready-to-use, no warm-up time, no waiting
- Sterilization temperature: 900 to 1300°C
- Touch-free START, with IR- sensor and adjustable timer (5 to 7 seconds)
- For use in Laminar Flow Cabinets
- Ideal for mobile operation in the field

The schuett solaris is the perfect solution if an open flame should be avoided or gas cartridges etc. are not available. Used with standard electrical power. Reaches the safe working temperature of 900 to 1300°C within a split second. No excess heat, no energy consumption between work cycles. START is generated by an infra-red sensor, which allows for efficient one-handed operation. Pathogenic material is kept inside the sterilization chamber. No spreading, no splashing. Working angle adjustment (4-steps).

Specifications

Dimensions (WxDxH): 152 x 195 x 210mm
 Weight: approx. 2500g

Type	PK	Cat. No.
Loop Sterilizer schuett solaris	1	9.018 741
Quartz tube with bottom, outer diam. 17mm, length 100 mm	1	9.018 742



2 Flame sterilizer schuett easyflame

NEW!

schuett-biotec

Mobile device for scarfing and flame-sterilising.
 With piezoelectric-ignition and gas supply control. Infinite adjustment of the flame.
 Highest operational safety. In short-term use, the flame is activated as long as the push button is pressed.
 For continuous operation with lock key.

schuett easyflame to use with propane/butane gas

1. Suitable with gas cartridges with 7/16" connection thread, e.g. CG 1750, Express 444, AT 2000.
2. Adapters for CV 360 or CP 250 gas cartridges optional.

schuett easyflame^{plus} for connecting natural gas and propane/butane gas with gas safety hoses

1. Natural gas hose for central gas supply for easy plugging the device (hose barb included)
2. Propane/butane gas hose with fitting (1/4" -left-hand thread) for the use of gas cartridge adapters or gas cylinders with pressure reducer. Matching adapters C 206 and CV 300/470 (already equipped with gas safety hose, 0.5m and reducer). Gas safety tubing in other lengths on request.

Specifications:

Dimensions (WxDxH): 260 x 90 x 60mm
 Weight: approx. 350g

Type	PK	Cat. No.
schuett easyflame for propane/butane gas	1	9.018 794
Adapter CV 360 (only for 9.018 794)	1	6.260 874
Adapter CP 250 (only for 9.018 794)	1	6.266 817
schuett easyflame ^{plus} for natural gas and propane/butane gas	1	6.266 818
Adapter C 206 (only for 6.266 818)	1	6.244 006
Adapter CV 300/470 (only for 6.266 818)	1	6.240 475

Further Burners - please see page 128

1. General laboratory consumables

Heating/Burners

1 Electric Bunsen burner BA6101



1

Electrothermal



Electrothermal's Electric Bunsen, combines the advantages of a regular gas burner with the clean, easy operation of our Electromantles. The Electric Bunsen is ideal for heating test tubes, crucibles, small flasks and beakers, regardless of their shape.

- Conical shaped heating element directs radiant heat to the top cavity
- Top cowl deflects heat away from your hand
- Air circulation from the vented housing keeps the base cool enough to hold during operation
- Corrosion-resistant

Specifications:

Power consumption: 400W
 Dimensions (diam. x H): 120 x 177mm
 Weight: 0.5kg
 Temperature range: 800 to 1000°C

Type	Description	PK	Cat. No.
BA6101	without controller	1	9.018 691
BA6101/C	with controller	1	4.011 122

Electric laboratory burner



HORO

Simple power supply through the electrical connector with an integrated switch for power on/off, no dangerous gas supply and gas leakage

- Electrical power supply instead of gas
- Fast heat up without a flame
- Highest security operated through an RCD: suitable for education
- No waste and storage of gas cartridges
- Continuous power regulation through the optional power regulator
- Heat protection through the optional glass support: deposition for dishes and flasks
- Improved heat protection with an improved glass support
- Clean odorless working in regular atmosphere without a flame

The components need to be ordered separately.

Specifications

Power supply: 590W/230V
 Dimensions (diam. x H): 125 x 180mm
 Weight: 800g
 Max. temperature: 900°C
 Heated area: diam. 38mm

Type	PK	Cat. No.
Electric laboratory burner	1	9.018 601
Power regulator for electric laboratory burner	1	9.018 602
Glass support for electric laboratory burner	1	9.018 603
Safety glass support for electric laboratory burner	1	9.018 604

2



9.018 601

3



9.018 602

4



9.018 604

Heating/Burners-Beaker tongs

1


1 Infrared burner PowerCube IRB2

Laboratory heating device for the safe, rapid heating of large samples. Can be used anywhere, even where standard burners with an exposed flame cannot be used.

Bühler
Advantages:

- Heats up quickly, constant heating
- No open flames, no soot, odourless
- Integral continuous electronic power adjustment between 0% and 100%.
- Casing safe to touch even when hot.
- Built-in casing handles for safe transport.
- Inert ceramic, long-life heating element.
- Built-in overheat monitor.
- Protection of electrical components against spilled liquids
- Additional side safety shield on burner element.
- Includes four-arm support for flat bottom containers. By using an accessory bracket the burner can be mounted on a tripod.

Accessories: bracket for mounting the PowerCube into a tripod stand. With stainless steel rod approx. 13cm long.

Specifications:

Connector:	800W/230V
Dimensions (WxDxH):	150 x 150 x 170mm
Weight:	approx. 2.5kg
Max. temperature:	900°C
Heated area:	100 x 100mm

Type	PK	Cat. No.
PowerCube IRB 2. 800 W / 230 V	1	9.018 699

2


2 Accessories for Infrared burner PowerCube IRB2

Tripod bracket for mounting the PowerCube into a tripod stand. With stainless steel rod approx. 13cm long.

Bühler

Description	PK	Cat. No.
Tripod bracket	1	9.018 698

3


3 Hook clamp

With heart screw.

Jaw opening mm	Angle	Thread	Description	PK	Cat. No.
13	90	M8	Nickel plated steel	1	9.224 284
13	90	M8	18/10 steel	1	9.224 289

4


4 Beaker tongs, with rubber-sleeved jaws

Jaws protected with 2 rubber pads each. Arm length: 160mm.

Length mm	Jaw opening mm	PK	Cat. No.
300	50 to 100	1	9.310 010

5


5 Beaker tongs

Electro polished 18/10 steel wire frame with bowed strip-metal jaws and ceramic fibre jaw linings.

Length mm	Jaw opening mm	PK	Cat. No.
300	60 to 100	1	9.310 016

6


6 Beaker tongs, stainless steel

Beaker tong of 300mm length is made out of stainless steel. Insulated jaws are used to hold all types of beakers.

Isolab

Length mm	For	Temp. range max. °C	PK	Cat. No.
300	beakers volume up to 1000ml	120	1	6.237 287

1. General laboratory consumables

Heating/Beaker tongs

1 Flask tongs, stainless steel

Stainless steel flask tong - 300mm length with insulated jaws, used to hold all types of flasks. *Isolab*

Length mm	For	Temp. range max. °C	PK	Cat. No.
300	flasks volume up to 2000ml	120	1	4.008 397



2 Flask tongs

18/10 steel. Electro polished. Polyamide coated jaw clamps.

Length mm	Jaw opening mm	PK	Cat. No.
230	15 to 60	1	9.310 025



3 Crucible tongs, 18/10 steel

With bow and flutes.

Length mm	PK	Cat. No.
300	1	4.008 441



4 Crucible tongs, 18/10 steel

18/10 steel. Electro polished. With bow and gripping tips.

Length mm	PK	Cat. No.
160	1	9.310 116
200	1	9.310 120
220	1	9.310 122
250	1	9.310 125
300	1	9.310 130
400	1	9.310 140
500	1	9.310 150
600	1	9.310 160



5 Crucible tongs, 18/10 steel, PTFE-coated

18/10 steel. With bow, and up to 100mm long PTFE-coated tips.

Length mm	PK	Cat. No.
200	1	9.310 285
250	1	9.310 290



6 Basin tongs, 18/10 steel

Length mm	PK	Cat. No.
300	1	4.008 440



7 Safety tripod for laboratory gas burners

Perfect and safe combination of tripod and laboratory gas burner *Windaus-Labortechnik*

- No risk of toppling the tripod and the laboratory burner!
- The laboratory gas burner is always in an optimal position, no risk of shifting of the burner.
- The safety tripod is suitable for use with DIN laboratory gas burners.
- Assembling is very easy - just screw one of the delivered screws into the interior thread at the bottom of the gas burner.

Description	PK	Cat. No.
TECLU Unit with adapter screws	1	6.265 849



Heating/Tripod



1 Tripod stand

Zinc-plated steel. With circular top and flared legs.

Diam. mm	Height mm	PK	Cat. No.
100	180	1	9.034 110
120	210	1	9.034 112
120	250	1	6.200 910
140	220	1	9.034 114
160	230	1	6.059 957



2 Tripod stand

Chrome plated steel. Tripods are meant to be used in conjunction with wire gauze, triangles or a sand bath.

Isolab

Diam. mm	Description	PK	Cat. No.
125	total height 200mm	1	6.242 704
125	adjustable height min 200mm/ max 250mm	1	4.008 512



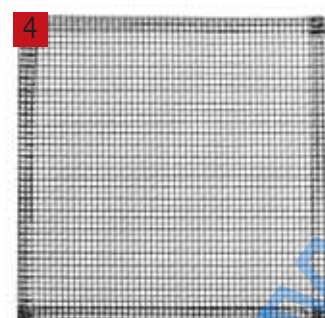
9.034 557

Square Quadrupod

Nickel chromium steel. For glass ceramic laboratory plates. Dimensions as outlined below.

DURAN Group

Width mm	Length mm	Height mm	PK	Cat. No.
135	135	220	1	9.034 553
155	155	220	1	9.034 557
175	175	220	1	9.034 558

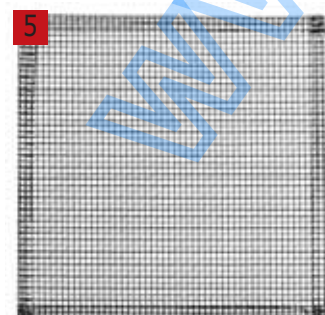


4 Wire gauzes

Plain, stainless steel wire with flanged edges. Mesh: 0.6mm x 2.0mm. Sizes as outlined below.

RSG

Width mm	Length mm	PK	Cat. No.
115	115	1	9.150 717
135	135	1	9.150 718
155	155	1	9.150 719
175	175	1	9.150 720
195	195	1	9.150 721



5 Wire gauzes

Plain, stainless steel wire with heat resistant center, mesh: 0.6mm x 2.0mm

RSG

Width mm	Length mm	PK	Cat. No.
135	135	1	9.033 653
155	155	1	9.033 655
175	175	1	9.033 657
195	195	1	9.033 659

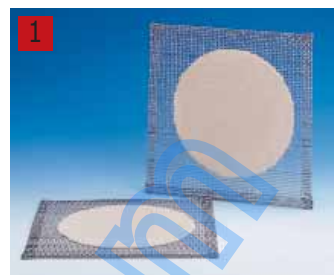
1. General laboratory consumables

Heating/Tripod-Tubing/Tubing/Gas

1 Wire gauzes

Steel wire with round ceramic centre. Sizes as outlined below.

Width mm	Length mm	PK	Cat. No.
120	120	1	9.033 632
160	160	1	9.033 636
200	200	1	9.033 640



2 Glass ceramic laboratory protection plate

Glass ceramic material with a smooth, pore-free surface. Chemically resistant and operates between -200°C and +700°C. Ideal for use as a bench protector or heating surface in place of a wire gauze or pipeclay triangle.

DURAN Group

Width mm	Length mm	PK	Cat. No.
135	135	1	9.034 253
155	155	1	9.034 257
175	175	1	9.034 258



3 Triangle

Zinc-plated steel wire with pipeclay tubes.

Juchheim Laborgeräte

Pipeclay tube Length mm	Weight g	PK	Cat. No.
40	16	1	9.033 740
50	33	1	9.033 741
60	38	1	6.250 142
100	58	1	6.085 914



4 Gas safety tubing, rubber

Flexible connecting line of a rubber tubing with a contracted metal spiral and double-sided end sockets according to DVGW 5501(P). Kink resistant. For connecting between safety gas connection fitting according to DIN 3383-4 and gas burners for laboratories according to DIN 30665 section 1.

Deutsch & Neumann

For all gases according to DVGW worksheet G 260, at pressures up to 100 mbar and temperatures up to 70°C. Installations according to DVGW-TRGI 2008 and DVGW worksheet G 621. DVGW Reg.-No. DG-4607AU2366. Sold only in specified length

Length mm	PK	Cat. No.
500	1	9.018 935
600	1	9.018 936
750	1	9.018 937
1000	1	9.018 940
1250	1	9.018 942
1500	1	9.018 945
2000	1	9.018 950
3000	1	9.018 960



5 Tubing for gas burners

According to DIN 30664 section 1. Without reinforcement and jacket. Connecting line for connecting between safety gas connection fitting according to DIN 3383-4 and gas burners for laboratories according to DIN 30665 section 1.

Deutsch & Neumann

For all gases according to DVGW worksheet G 260, at pressures up to 100 mbar and temperatures up to 70°C. Installations according to DVGW-TRGI 2008 and DVGW worksheet G 621. DVGW Reg.-No. NG-4607AU2366. Supplied per metre.

Int. diam. mm	Wall thickness mm	PK	Cat. No.
10	2.00	1	9.018 970



Tubing/Rubber-Plastic



1 Tubing

Red. Rubber (NR). Durometer 45 Shore A.
Supplied per metre or in standard coils of 25m.

Deutsch & Neumann

Int. diam. mm	Wall thickness mm	PK	Cat. No.
2	1.00	1	9.205 157
3	1.00	1	9.205 158
3	1.50	1	9.205 159
4	1.00	1	9.205 160
4	1.50	1	9.205 166
5	1.50	1	9.205 170
5	2.00	1	9.205 171
6	1.50	1	9.205 173
6	2.00	1	9.205 174
7	1.50	1	9.205 179
7	2.00	1	9.205 180
8	2.00	1	9.205 184
9	2.00	1	9.205 187
10	2.00	1	9.205 192
12	2.50	1	9.205 195
18	3.00	1	9.205 200



2 Vacuum tubing, rubber

Red. Rubber (NR). Durometer 45 Shore A.
Supplied per metre or standard coils of 25m.

Deutsch & Neumann

Int. diam. mm	Wall thickness mm	PK	Cat. No.
4	4.00	1	9.205 804
5	5.00	1	9.205 805
6	5.00	1	9.205 806
7	5.00	1	9.205 807
8	5.00	1	9.205 808
10	5.00	1	9.205 809



3 Viton Tubing

Supplied per metre.

Deutsch & Neumann

- Fluoroelastomer Rubber (FPM), black
- Temperature range -10°C to over +200°C
- Good resistance to ozone and weathering, as well as benzene and mineral oil
- Durometer 75 Shore A

Int. diam. mm	Wall thickness mm	PK	Cat. No.
2	1.00	1	9.205 745
3	1.00	1	9.205 758
4	1.00	1	9.205 765
5	1.00	1	9.205 769
6	1.00	1	9.205 772
6	2.00	1	9.205 774
8	1.50	1	9.205 782
8	2.00	1	9.205 784
9	2.00	1	9.205 787
10	2.00	1	9.205 792

We can supply this
manufacturer's whole
product range !

partner of the



DEUTSCH & NEUMANN

1 Tubing, silicone, Rausil FG

Suitable for food use, talc-powdered, according to BfR (BgVV) and FDA§177.2600. Supplied per meter or in standard coils of 50m. Durometer 60 Shore A.

Int. diam. mm	Ext. diam. mm	Wall thickness mm	PK	Cat. No.
1.00	3.0	1.0	1	9.205 222
1.50	3.5	1.0	1	9.205 233
2.00	4.0	1.0	1	9.205 245
2.00	6.0	2.0	1	9.205 246
3.00	5.0	1.0	1	9.205 258
3.00	6.0	1.5	1	9.205 259
3.00	7.0	2.0	1	9.205 260
4.00	6.0	1.0	1	9.205 265
4.00	7.0	1.5	1	9.205 266
5.00	7.0	1.0	1	9.205 269
5.00	8.0	1.5	1	9.205 270
6.00	9.0	1.5	1	9.205 273
6.00	10.0	2.0	1	9.205 274
7.00	10.0	1.5	1	9.205 279
7.00	11.0	2.0	1	9.205 280
8.00	11.0	1.5	1	9.205 282
8.00	12.0	2.0	1	9.205 284
9.00	13.0	2.0	1	9.205 287
10.00	14.0	2.0	1	9.205 292
12.00	16.0	2.0	1	9.205 294



2 Versilic silicone tubing

NEW!

Pure silicone with high-grade properties. To Ph.Eur, DAB 10 and USP XXIII Class VI (biological tests). Suitable for food use to FDA, BGA and EU guidelines. Temperature range from -60 to +200°C (up to +220°C for short periods). Transparent to translucent. Shore strength 62 ±5. Density 1.16. Biologically neutral. Suitable in particular for use in biotechnology, fermentation or pharmaceutical production. Good physical properties such as suppleness, elasticity, flexibility, resistant to bending and tearing. Good recovery characteristics, with high fatigue resistance when twisted. Elongation at tear >300%. Supplied per metre or in standard coils of 25m.

Saint Gobain

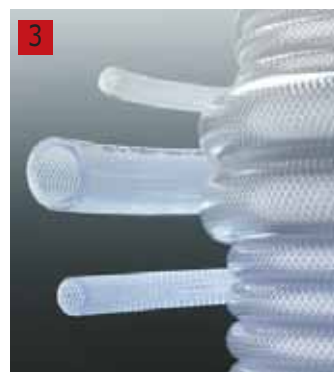
Int. diam. mm	Ext. diam. mm	Wall thickness mm	PK	Cat. No.
0.50	2.5	1.00	1	9.205 300
1.00	3.0	1.00	1	9.205 301
2.00	4.0	1.00	1	9.205 302
3.00	5.0	1.00	1	9.205 303
4.00	6.0	1.00	1	9.205 304
4.00	8.0	2.00	1	9.205 267
5.00	7.0	1.00	1	9.205 305
6.00	10.0	2.00	1	9.205 275
7.00	11.0	2.00	1	9.205 306
8.00	12.0	2.00	1	9.205 285
9.00	13.0	2.00	1	9.205 307
10.00	14.0	2.00	1	9.205 308
12.00	17.0	2.50	1	9.205 309



3 Fabric-reinforced PVC tubing

Transparent. Supplied per metre or in standard coils of 50M. PVC with terylene mesh reinforcement. Certificated by German TÜV with due regard to regulatory of DIN EN ISO 5774:2008. Proofed by BGVO directive 2002/72/EC bis 2008/39/EC for food contact. Durometer 77 Shore A.

Int. diam. mm	Ext. diam. mm	Wall thickness mm	PK	Cat. No.
6.00	12.0	3.00	1	9.205 816
8.00	14.0	3.00	1	9.205 818
10.00	16.0	3.00	1	9.205 820
12.50	18.5	3.00	1	9.205 823



Tubing/Plastic



1 PVC-Tubing

Approved by BGVO directive 2002/72/EC and 2008/39/EC for food contact.
 Approved by KTW-C directive - Germany Federal Environment Agency for use in cold water.
 Durometer 77 Shore A.

Price per metre.

Int. diam. mm	Ext. diam. mm	Wall thickness mm	PK	Cat. No.
2.00	4.0	1.00	1	9.205 345
3.00	5.0	1.00	1	9.205 358
3.00	6.0	1.50	1	9.205 359
4.00	6.0	1.00	1	9.205 365
4.00	7.0	1.50	1	9.205 366
5.00	7.0	1.00	1	9.205 369
5.00	8.0	1.50	1	9.205 370
6.00	8.0	1.00	1	9.205 372
6.00	9.0	1.50	1	9.205 373
6.00	10.0	2.00	1	9.205 374
7.00	10.0	1.50	1	9.205 379
7.00	11.0	2.00	1	9.205 380
8.00	11.0	1.50	1	9.205 382
8.00	12.0	2.00	1	9.205 384
9.00	12.0	1.50	1	9.205 386
9.00	13.0	2.00	1	9.205 387
10.00	14.0	2.00	1	9.205 392
12.00	16.0	2.00	1	9.205 394
15.00	19.0	2.00	1	9.205 397
18.00	22.0	2.00	1	9.205 398



2 Laboratory tubing Isoplex

Autoclavable PVC tubing, transparent and non-toxic, non ageing and non oxidising. Packed in PE bags.
 The tubing is marked every metre. Good resistance against strong acids and alkalis, fair resistance against organic solvents. Durometer 77 Shore A.
 Supplied in 20m coil.

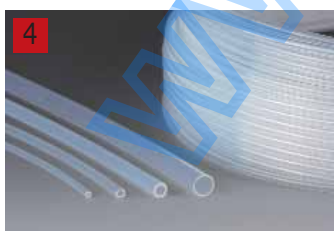
Int. diam. mm	Ext. diam. mm	Wall thickness mm	PK	Cat. No.
1	2.6	0.80	20	9.205 142
2	4.0	1.00	20	9.205 143
4	6.0	1.00	20	9.205 144
5	8.0	1.50	20	9.205 145
6	9.0	1.50	20	9.205 146
7	11.0	2.00	20	9.205 147
8	12.0	2.00	20	9.205 148
10	14.0	2.00	20	9.205 149
12	17.0	2.50	20	9.205 150



3 PE-Tubing

Durometer 45 Shore D. Price per meter.

Int. diam. mm	Ext. diam. mm	Wall thickness mm	PK	Cat. No.
2.00	2.8	0.40	1	6.079 602
2.00	4.0	1.00	1	6.070 172
8.00	10.0	1.00	1	9.205 482
8.00	11.0	1.50	1	6.900 070
9.00	13.0	2.00	1	6.070 228
10.00	14.0	2.00	1	9.205 492



4 Tubing, PFA

PFA fluorocarbon resin. Highly chemical resistant and temperature resistant up to +260°C.
 Supplied per metre.

BOLA

Int. diam. mm	Ext. diam. mm	Wall thickness mm	PK	Cat. No.
0.80	1.60	0.40	1	9.205 824
1.58	3.18	0.80	1	9.205 825
2.00	4.00	1.00	1	9.205 827
4.00	6.00	1.00	1	9.205 830
6.00	8.00	1.00	1	9.205 833
8.00	10.00	1.00	1	9.205 836
10.00	12.00	1.00	1	9.205 839

1 Flex tubing, PFA

Corrugated tubing with circular corrugations around the longitudinal axis and cylindrical tubing ends with a length of 40mm which can for example be connected directly to fittings, stopcocks or hose connectors. Together with BOLA Laboratory Screw Joints, the connection is tight and suitable for vacuum.

BOLA



- highly flexible
- tight bending radius only causes little cross-section reduction
- non-porous
- translucent
- ideal for connections under vibrations
- usable with a small bending radius
- for compensation of thermal expansions
- for easy handling of liquids

Int. diam. mm	Ext. diam. mm	Wall thickness mm	Length m	Size NW	PK	Cat. No.
8.00	10.0	1.00	1.00	10.0	1	9.205 732
10.00	12.0	1.00	1.00	13.0	1	9.205 733
12.00	14.0	1.00	1.00	14.0	1	9.205 734
14.00	16.0	1.00	1.00	16.0	1	9.205 735
10.00	12.0	1.00	2.50	13.0	1	9.205 740

Special lengths available on request

2 Tubing, PTFE

Highly chemical resistant and withstands temperatures from -200°C to +260°C. Supplied per metre.

BOLA



Int. diam. mm	Ext. diam. mm	Wall thickness mm	PK	Cat. No.
0.50	1.0	0.25	1	9.205 608
0.50	1.6	0.55	1	9.205 609
0.80	1.6	0.40	1	9.205 616
1.00	1.6	0.40	1	9.205 619
1.00	2.0	0.50	1	9.205 621
1.50	2.1	0.30	1	9.205 630
1.60	3.2	0.80	1	9.205 634
2.00	3.0	0.50	1	9.205 644
2.00	4.0	1.00	1	9.205 645
3.00	4.0	0.50	1	9.205 657
3.00	5.0	1.00	1	9.205 658
4.00	6.0	1.00	1	9.205 665
5.00	6.0	0.50	1	9.205 668
6.00	8.0	1.00	1	9.205 672
8.00	10.0	1.00	1	9.205 680

3 Iso-Versinic Tubing

Synthetic fluoroelastomer.

Chemically resistant to hydrocarbons (aromatic and aliphatic), oils, strong acids, oxidizing agents and chlorous solvents. Excellent resistance to abrasion and flexing. Good ozone and radiation protection. Impermeable to gas and steam.

Shore A, hardness see table below. Density 1.9. Temperature range -20°C to +200°C (up to +300°C for short periods).

Elongation at tear >250%. Suitable for transporting corrosive liquids.

Supplied per metre.



Int. diam. mm	Ext. diam. mm	Wall thickness mm	Shore	PK	Cat. No.
1	3	1.00	67	1	9.205 700
2	4	1.00	67	1	9.205 701
3	5	1.00	67	1	9.205 702
4	6	1.00	67	1	9.205 703
5	8	1.50	72	1	9.205 704
6	9	1.50	72	1	9.205 705
7	10	1.50	72	1	9.205 706
8	12	2.00	72	1	9.205 707
10	14	2.00	72	1	9.205 708
12	17	2.50	72	1	9.205 709

Tubing/Plastic



1 Norprene® tubing A 60 G

Black, Thermoplastic elastomer, Shore A 61. Temperature range -60 to +135°C. Suitable for use as tubing for peristaltic pumps. Very high endurance. Resistant to many aggressive chemicals. Heat and ozone resistant (does not turn brittle). Fills the performance gap between single elastomers (such as EPDM, chloroprene) and expensive polymers (viton, silicone). Supplied per metre or in standard coils of 15m.

Int. diam. mm	Ext. diam. mm	Wall thickness mm	PK	Cat. No.
1.60	4.8	1.60	1	9.206 941
3.20	6.4	1.60	1	9.206 944
4.80	8.0	1.60	1	9.206 951
6.40	9.6	1.60	1	9.206 956
6.40	11.2	2.40	1	9.206 957
8.00	11.2	1.60	1	9.206 961
8.00	12.8	2.40	1	9.206 962
9.50	12.7	1.60	1	9.206 967
9.60	14.4	2.40	1	9.206 968
11.10	14.3	1.60	1	9.206 973
12.70	15.9	1.60	1	9.206 976
12.70	17.5	2.40	1	9.206 977



2 Tygon® tubing 3350

Silicone-platinum sanitary tubing, Shore A 50. Temperature range -81 to +200°C. Very high-grade silicone tube with smooth inner surface. Ozone and UV resistant. High flexibility with good recovery characteristics. To FDA and USP Class VI, in accordance with ISO 10993. Supplied in 15m coil.

Saint Gobain

Int. diam. mm	Ext. diam. mm	Wall thickness mm	PK	Cat. No.
3.20	6.4	1.60	15	9.208 380
4.80	8.0	1.60	15	9.208 381
6.40	9.6	1.60	15	9.208 382
6.40	11.1	2.40	15	9.208 383
8.00	12.7	2.40	15	9.208 384
9.50	12.7	1.60	15	9.208 385
12.70	15.9	1.60	15	9.208 386
12.70	17.5	2.40	15	9.208 387



3 Tygon® tubing ELFL

Transparent, flexible, Shore A 56. Temperature range -54 to +74°C. Tygon tubing with the longest "Flex-Life" (lifespan) when used in peristaltic pumps. To FDA/USP Class VI. ISO 10993, according to REACH without phthalates. Suitable for food, drinks or pharmaceutical applications. Resists ageing and non-toxic. Resistant to many chemicals. Supplied in 7.5m coil.

Saint Gobain

Int. diam. mm	Ext. diam. mm	Wall thickness mm	PK	Cat. No.
1.60	4.8	1.60	7	9.208 439
3.20	6.4	1.60	7	9.208 440
4.80	8.0	1.60	7	9.208 441
6.40	9.6	1.60	7	9.208 442
8.00	11.2	1.60	7	9.208 443
9.50	15.9	3.20	7	9.208 444
12.70	19.1	3.20	7	9.208 445



1 Peristaltic pump tubing, Tygon® LMT-55

With 2 colour-coded bridges (international standards). ID 0.13 to 0.64 wall thickness: 0.9mm, ID 0.76 to 3.18 wall thickness: 0.85mm. *Saint Gobain*
 Shore: 55. Fits most common peristaltic pump models, e.g. Verder, Ismatec, Watson-Marlow, IKA and Heidolph.
 Standard tubing, transparent. Length 380mm. Long working lifespan. Good resistance to acids and alkalis.
 Suitable for general use and with food.

Int. diam. mm	Colour	PK	Cat. No.
0.13	orange-black	12	9.208 201
0.19	orange-red	12	9.208 202
0.25	orange-blue	12	9.208 203
0.38	orange-green	12	9.208 204
0.51	orange-yellow	12	9.208 205
0.64	orange-white	12	7.661 159
0.76	black-black	12	9.208 207
0.89	orange-orange	12	9.208 208
1.02	white-white	12	9.208 209
1.14	red-red	12	9.208 210
1.30	grey-grey	12	9.208 211
1.42	yellow-yellow	12	9.208 212
1.52	yellow-blue	12	9.208 219
1.65	blue-blue	12	9.208 213
1.85	green-green	12	9.208 214
2.06	purple-purple	12	9.208 215
2.29	purple-black	12	9.208 216
2.54	purple-orange	12	9.208 217
2.79	purple-white	12	9.208 218
3.18	black-white	12	9.208 222



2 Flow indicators LaboPlast®

Gives a visual indication of liquid or gas flow in tubing. Operates in both directions and at any angle. Can accommodate flow rates down to approx. 150ml/min. Length incl. nozzle 88mm. For tubing from 6mm to 11mm diameter. Maximum pressure: 2 bar. Food Safe. *Bürkle*
 Choice of models:
 - LiquiMobil made of SAN up to 30°C working temperature.
 - CheMobil made of PMP up to 60°C working temperature, autoclavable good, chemically resistance.

Type	Colour	PK	Cat. No.
LiquiMobil/SAN	blue	1	9.003 910
LiquiMobil/SAN	red	1	9.003 911
LiquiMobil/SAN	black	1	9.003 912
CheMobil/ PMP	blue	1	9.003 913
CheMobil/ PMP	red	1	9.003 901
CheMobil/PMP	black	1	9.003 914



3 Plastic tubing cutter

Portable, pocket-sized cutter cuts flexible tubing from 1.6mm to 19mm O.D. *Bel-Art Products*
 The jaw is lightly spring-loaded and will remain closed for safety when not in use.
 A replaceable, hardened steel blade makes clean, straight cuts.

Type	PK	Cat. No.
Tubing cutter	1	9.205 898
Replacement blade	1	9.205 899



4 Rod and tubing cutter

Suitable for all rubber tubing, even PTFE and fabric-reinforced tubing. *Buddeberg*
 Interchangeable blade.

Type	PK	Cat. No.
Cutter	1	9.306 000
Replacement blades	10	9.306 001



Tubing/Adapters, Clips, Clamps


1

1 Messfix tubing gauge

schuett-biotec

Small, red, handy polypropylene gauge.
For rapid measurement of internal and external diameters of tubing, test tubes etc.
within the range 1.5mm to 16mm.

Width mm	Length mm	Height mm	PK	Cat. No.
50	120	12	1	9.205 800


2

2 Laboratory threaded joints - GL 14/18/25

BOLA

Enables GL threads to clamp easily to fluoroplastic or thick-walled tubing made out of other plastics, glass or metal. (Ideally suited for connection with Bola GL fittings, Bola pressure valves, Bola GL taps and Bola GL ball valves).
The laboratory threaded joints consist of a red screw cap made of glass-fibre reinforced ETFE, a sealing disc and a tapered sealing ring made of PTFE, as well as a V-ring made of glass-fibre reinforced ETFE.
This patented system withstands pressures up to approx. 10 bar, is suitable for a vacuum (at room temperature in the case of sizes 14 to GL25) and is easy to assemble without tools. The substance that passes through only comes in contact with PTFE.

Bola laboratory threaded joints can, for example, be used to hold probes (including stainless steel probes), sensors, laboratory taps, submerged tubes, thermometers or as a cable feed.

For external tube diam.	Neck thread GL	PK	Cat. No.
1.6	14	1	9.209 803
3.0	14	1	9.209 806
3.2	14	1	9.209 807
4.0	14	1	9.209 808
6.0	14	1	9.209 809
6.35	14	1	9.209 810
3.2	18	1	9.209 817
6.0	18	1	9.209 819
8.0	18	1	9.209 820
10.0	18	1	9.209 821
6.0	25	1	9.209 839
8.0	25	1	9.209 840
10.0	25	1	9.209 841
12.0	25	1	9.209 842


3

3 GL fittings, PTFE

BOLA

PTFE couplings with GL connector screwthread. Connect PTFE, PFA, FEP, glass and metal tubing.
Fittings are chemical and temperature resistant to approx. 250°C. Can be used at working pressures of up to 10 bar when used in combination with Bola laboratory screwthread connections (at room temperature).
A further advantage is that they can be used as expansion/reduction adapters to connect tubing of different diameters.
For easy tubing connection we recommend accessory Bola Laboratory screwthread connectors which can be ordered separately.

Neck thread GL	Bore mm	PK	Cat. No.
14	6.5	1	9.207 113
18	10.5	1	9.207 114
25	14.5	1	9.207 115


4

4 GL fittings

BOLA

PTFE couplings with GL connector screwthread. Connect PTFE, PFA, FEP, glass and metal tubing.
Fittings are chemical and temperature resistant to approx. 250°C. Can be used at working pressures of up to 10 bar when used in combination with Bola laboratory screwthread connections (at room temperature).
A further advantage is that they can be used as expansion/reduction adapters to connect tubing of different diameters.
For easy tubing connection we recommend accessory Bola laboratory screwthread connectors - please order separately.

Neck thread GL	Bore mm	PK	Cat. No.
14	6.5	1	9.207 133
18	10.5	1	9.207 134
25	14.5	1	9.207 135

1. General laboratory consumables

Tubing/Adapters, Clips, Clamps

Bottle distributors, PTFE

With GL-threaded necks and screw caps. Suitable for GL45 threaded bottles. The distributors are ideal for decanting liquids, whereby the necks are connected either to a liquid source or to an excess pressure or vacuum system (up to 6mm max. tubing diameter). For hassle-free connection, we recommend the Bola threaded connector (please order separately) in accordance with the outer diameter of the tubing.

BOLA

Type	Neck	PK	Cat. No.
PFA	2 x GL 14	1	9.209 851
PTFE	3 x GL 14	1	9.209 852
PTFE	3 x GL 18	1	9.209 844



9.209 851

Flexible Distributors, PP

For connecting elastic tubing by simply slipping it onto hose connectors. Suitable for GL45 threaded bottles. With screw cap made of glass-fibre reinforced PP, ideal for transferring liquids or gases. The angled tubing connectors can be attached to a liquid source, a pressure source or a vacuum system. Avoid crimping of the tubing. The distributor can be loosened by simply turning the screw cap. The complete distribution system can then be fixed onto another bottle.

BOLA

number of nozzles	For tubing bore mm	PK	Cat. No.
2	6 - 9	1	7.634 892
3	6 - 9	1	9.209 858
2	7 - 11	1	9.209 859



7.634 892

3 GL stopcocks, PTFE

Stopcocks with cylindrical taps and GL screwthread made of pure PTFE, giving almost total chemical resistance. Can be used at working pressures of up to 6 bar when used in combination with Bola laboratory screwthread connections (at room temperature). A further advantage is that they can be used as expansion/reduction adapters to connect tubing of different diameters. For easy tubing connection we recommend accessory Bola laboratory screwthread connectors - please order separately.

BOLA

2-way construction.

Neck thread	Bore diam. mm	PK	Cat. No.
GL			
14	4	1	9.207 153
18	6	1	9.207 154
25	8	1	9.207 155



4 Stopcocks, PTFE

With 3-way GL screwthread connections. With L-shape key bore.

BOLA

Neck thread	Bore diam. mm	PK	Cat. No.
GL			
14	4	1	9.207 156
18	6	1	9.207 157
25	6	1	9.207 158



5 Two-way valves Laboplast®

Resistant to compression max. 1 bar.
 - PVDF: excellent chemical resistance, transparent, suitable for food
 - PP/PE: for industrial use, red/white
 - Operating temperature: PVDF +0 up to +40°C, PP/PE +5 up to +40°C

Bürkle

For tubing bore mm	Valve bore mm	Material	PK	Cat. No.
5 to 7	4	PVDF	1	9.116 771
7 to 9	6	PVDF	1	9.116 772
9 to 11	8	PVDF	1	9.116 773
11 to 13	8	PVDF	1	9.116 775
5 to 7	4	PE / PP	1	9.116 781
7 to 9	6	PE / PP	1	9.116 782
9 to 11	8	PE / PP	1	9.116 783
11 to 13	8	PE / PP	1	9.116 784



Tubing/Adapters, Clips, Clamps



1 Three-way valves Laboplast®

- Transparent, PVDF. Very high chemical resistance. Suitable for food use. Maximum pressure 1 bar.
- Red/white, PE/PP. Economical. For industrial use. Suitable for food use. Maximum pressure 1 bar.
- Operating temperature: PVDF +0°C up to +40°C, PP/PE +5°C up to +40°C.

Bürkle

For tubing bore mm	Valve bore mm	Material	PK	Cat. No.
5 to 7	4	PVDF	1	9.116 776
7 to 9	6	PVDF	1	9.116 777
9 to 11	8	PVDF	1	9.116 778
11 to 13	8	PVDF	1	9.116 780
5 to 7	4	PE / PP	1	9.116 786
7 to 9	6	PE / PP	1	9.116 787
9 to 11	8	PE / PP	1	9.116 788
11 to 13	8	PE / PP	1	9.116 789



2 Tubing connectors, PP

Transparent, PP. Straight,

BRAND

For tubing bore mm	Length mm	PK	Cat. No.
3 to 5	47	1	9.207 163
6 to 10	55	1	9.207 165
9 to 13	57	1	9.207 168



3 Tubing connectors, PP

Transparent, PP. Straight. Used to link tubing of different diameters.

BRAND

For tubing bore mm	Length mm	PK	Cat. No.
5 to 17	110	1	9.207 270

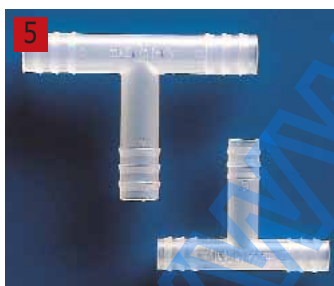


4 Tubing connectors, PP

Grey, PP. Straight.

Kartell

For tubing bore mm	Length mm	PK	Cat. No.
4 to 5	39	1	9.207 221
5 to 7	52	1	9.207 222
7 to 9	59	1	9.207 223
9 to 11	59	1	9.207 224
11 to 13	66	1	9.207 225
13 to 15	66	1	9.207 226



5 Tubing connectors, PP

PP. T- shape.

Kartell

For tubing bore mm	Length mm	PK	Cat. No.
3 - 4	20	1	9.207 182
4 - 5	30	1	9.207 183
6 - 7	40	1	9.207 184
8 - 9	55	1	9.207 185
10 - 11	69	1	9.207 189
12 - 13	79	1	9.207 190



6 Tubing connectors, PE-HD

PE-HD. Straight.

BRAND

For tubing bore mm	Length mm	PK	Cat. No.
10 to 11	45	1	9.207 167
12 to 14	74	1	9.207 169
19 to 21	74	1	9.207 174
24 to 26	84	1	9.207 179

1. General laboratory consumables

Tubing/Adapters, Clips, Clamps

1 Plug tubing connectors, PE

PE. Comprising of two pull-apart sections, similar to conical ground joint.
Not suitable for high pressure applications.

Kartell

For tubing bore mm	Length mm	PK	Cat. No.
3 to 5	57	1	9.207 261
5 to 7	65	1	9.207 262
7 to 9	70	1	9.207 263
9 to 12	75	1	9.207 264
11 to 14	80	1	9.207 265



2 Reduction adapters, PP

Transparent, PP.

BRAND

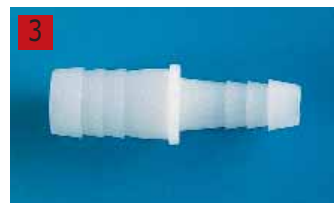
For tubing bore mm	Length mm	PK	Cat. No.
3 to 5 / 6 to 10	55	1	9.207 336
3 to 5 / 9 to 13	55	1	9.207 338
6 to 10 / 9 to 13	59	1	9.207 340



3 Reduction adapters, PE-HD

BRAND

For tubing bore mm	Length mm	PK	Cat. No.
8 to 10/11 to 14	66	1	9.207 356
12 to 14/18 to 20.5	73	1	9.207 357



4 Y - tubing connectors, PP

Transparent, PP. Y- shape.

Kartell

For tubing bore mm	Length mm	PK	Cat. No.
3 to 4	24	1	9.207 200
4 to 5	35	1	9.207 203
6 to 7	54	1	9.207 205
8 to 9	64	1	9.207 207
10 to 11	74	1	9.207 208
12 to 13	87	1	9.207 210



5 120° Y connectors, PP

Kartell

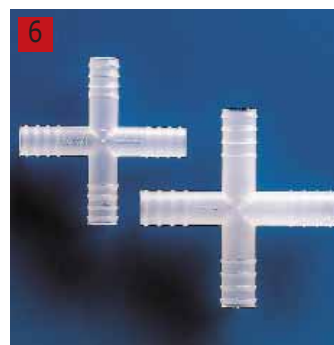
Diam. mm	Tubing i.d.	PK	Cat. No.
min./max.	mm		
4/5/6	1.5	1	9.207 231
6/7/8	2.7	1	9.207 232
8/9/10	4.7	1	9.207 233
10/11/12	5.5	1	9.207 234
12/13/14	7.6	1	9.207 235
14/15/16	9.6	1	9.207 236



6 4 way connectors, PP

Kartell

Diam. mm	Tubing i.d. mm	PK	Cat. No.
3.5	1.5	1	9.207 241
6.0	2.7	1	9.207 242
8.0	4.6	1	9.207 243
10.0	7.0	1	9.207 244
12.0	8.0	1	9.207 245
13.5	9.5	1	9.207 246
15.0	11.6	1	9.207 247



Tubing/Adapters, Clips, Clamps



1 L - tubing connectors, PP

Transparent, PP. L-shape.

Kartell

For tubing bore mm	Length mm	PK	Cat. No.
3 to 4	15	1	9.207 251
5	21	1	9.207 252
6 to 7	25	1	9.207 253
8 to 9	30	1	9.207 254
10 to 11	36	1	9.207 255
12 to 13	42	1	9.207 256
14 to 15	48	1	9.207 257



2 Tubing connectors, TPX

Type	For tubing bore mm	PK	Cat. No.
C-1, straight	3-5	1	9.207 601
C-2, straight	5-8	1	9.207 602
C-3, straight	8-10	1	9.207 603
Y-1, Y-shape	3-5	1	9.207 611
Y-2, Y-shape	5-8	1	9.207 612
Y-3, Y-shape	8-10	1	9.207 613
T-1, T-shape	3-5	1	9.207 621
T-2, T-shape	5-8	1	9.207 622
T-3, T-shape	8-10	1	9.207 623
E-1, reduction adapter	3-5 / 5-8	1	9.207 631
E-2, reduction adapter	5-8 / 8-13	1	9.207 632



3 Mini tubing connectors, PP

Type	For tubing bore mm	PK	Cat. No.
Straight, AA	1.6	1	9.207 291
Straight, DD	2.5	1	9.207 292
Straight, CC	3.2	1	9.207 293
Straight, 4040	4.0	1	9.207 801
T-shape, T10	1.6	1	9.207 294
T-shape, T20	2.5	1	9.207 295
T-shape, T30	3.2	1	9.207 296
T-shape, T40	4.0	1	9.207 811
T-shape, T50	5.0	1	9.207 812
T-shape, T60	6.5	1	9.207 813
L-shape, L10	1.6	1	9.207 821
L-shape, L20	2.5	1	9.207 822
L-shape, L30	3.2	1	9.207 823
Y-shape, Y210	1.6	1	9.207 831
Y-shape, Y220	2.5	1	9.207 832
Y-shape, Y230	3.2	1	9.207 833
Reduction adapter, AD	1.6 - 2.5	1	9.207 297
Reduction adapter, AC	1.6 - 3.2	1	9.207 298
Reduction adapter, 1040	1.6 - 4.0	1	9.207 834
Reduction adapter, 1050	1.6 - 5.0	1	9.207 835
Reduction adapter, DC	2.5 - 3.2	1	9.207 299
Reduction adapter, 2040	2.5 - 4.0	1	9.207 841
Reduction adapter, 2050	2.5 - 5.0	1	9.207 842
Reduction adapter, 3040	3.2 - 4.0	1	9.207 843
Reduction adapter, 3050	3.2 - 5.0	1	9.207 844
Reduction adapter, 3060	3.2 - 6.5	1	9.207 845
Reduction adapter, 4050	4.0 - 5.0	1	9.207 846
T-reduction adapter, T230/210	1 x 1.6, 2 x 3.2	1	9.207 865
T-reduction adapter, T230/220	1 x 2.5, 2 x 3.2	1	9.207 866
T-reduction adapter, T210/220	1 x 2.5, 2 x 1.6	1	9.207 867
T-reduction adapter, T220/230	1 x 3.2, 2 x 2.5	1	9.207 869
Straight, threaded, M6210	1.6	1	9.207 871
Straight, threaded, M6220	2.5	1	9.207 872
Straight, threaded, M6230	3.2	1	9.207 873
Straight, threaded, M6240	4.0	1	9.207 874
Straight, threaded, M6250	5.0	1	9.207 875

Other materials on request!



4 Non-return valves, PE-HD

PE-HD. FKM (Viton®) valve disc. Not suitable for pressure applications.

BRAND

Int. diam. mm	Length mm	PK	Cat. No.
6 to 9	80	1	9.303 039

➔ Glass connectors - please see page 604.

1. General laboratory consumables

Tubing/Adapters, Clips, Clamps

1 Non-return valves, PP		
Prevents water back-flow when pressure falls. Useful for any tubing system and vacuum line. Maximum safe working pressure: 2 bar, minimum: 0.07 bar at room temperature (20°C).		Kartell
Int. diam. mm	PK	Cat. No.
8-10	1	9.303 028
10-15	1	9.303 029



2 Dialysis tubing clips		
Orange, PP. Suitable for RC standard membranes. Autoclavable.		
Flat width mm	PK	Cat. No.
12	1	9.206 734
23	1	9.206 735
35	1	9.206 736
55	1	9.206 737
75	1	9.206 738

Further colours and clips for Biotech membranes available on request.



3 Mediclips		
Robust PPF. For flat widths of dialysis tubing up to 40mm.		
Type	PK	Cat. No.
Mediclips	1	9.206 300



4 Keck tubing clamps KT		
Thermoplastic polyester (PBT). Continuous control of flow rate in tubing with just one finger.		
For external tube diam. mm	Colour	PK Cat. No.
4.5	red	1 9.205 904
6.0	yellow	1 9.205 906
10.0	blue	1 9.205 910
14.0	red	1 9.205 914



5 Tubing clamps, Acetal		
Resistant to deformation and corrosion. Mini-Clamp: Single position on/off clamp. Use for thin-walled tubing with outer diameter up to 4.7mm. Mid-Range Clamp: Adjustable in 15 positions. Suitable for tubing with outer diameter from 3.2 to 11mm. Maxi Clamp: Adjustable in 12 positions. Suitable for tubing with outer diameter up to 19mm.		Bel-Art Products
Description	PK	Cat. No.
Tubing clamp, mini	100	6.301 574
Tubing clamp, mid-range	12	9.205 918
Tubing clamp, maxi	6	6.254 275



Sample bags - please see page 180.

Tubing/Adapters, Clips, Clamps



1 Tubing clamp, Acetal

Clamp is molded of strong, durable plastic with serrated jaws 27mm long. Attach at any point on tubing without disconnecting tubing. Designed to be operated with one hand, the clamp locks closed and opens when the locking tab is released.

Bel-Art Products

- Autoclavable
- One hand open and close operation
- For use on tubing with a wall thickness of 0.82mm or thinner
- When not in use, the circular opening (approximately 6 mm diameter) at hinge end allows clamp to remain attached to tubing having 6-10mm OD with little to no restriction in flow
- Overall length is 59mm

Type	PK	Cat. No.
Tubing clamp	12	6.200 838



2 3 Curved tubing clamps stop-it, PVDF

Stepless flow regulation. The micro setting screw allows very fine stepless flow control, the flow can also be shut off completely. The fully adjustable pressure plate squeezes the hose against the stable steel hook. The hose is compressed over a wide area in order to prevent it from being damaged. Easy-Click closure - Stopper can be opened and closed in any position - without tiresome screwing on and off. Stopper is with up to 160°C heat-resistant and chemical resistant plastic PVDF, the clamp is galvanised steel. Available in 3 sizes for hose diameters up to 20mm.

Bürkle

Colour	To fit tubing mm	PK	Cat. No.
red	0.5 to 10	1	9.303 775
red	0.5 to 15	1	9.303 776
red	1.0 to 20	1	9.303 777
yellow	0.5 to 10	1	9.303 778
yellow	0.5 to 15	1	9.303 779
yellow	1.0 to 20	1	9.303 780
blue	0.5 to 10	1	9.303 781
blue	0.5 to 15	1	9.303 782
blue	1.0 to 20	1	9.303 783
green	0.5 to 10	1	9.303 784
green	0.5 to 15	1	9.303 785
green	1.0 to 20	1	9.303 786



4 5 Tubing clamps stop-it, Metall

Tubing clamps can regulate or stop the flow through of tubings that carry fluids or gases.

Bürkle

Stepless flow regulation: The knurled screw allows very fine stepless flow control.

The flow can also be shut off completely. The fully adjustable pressure plate squeezes the hose against the stable steel hook. The hose is compressed over a wide area, in order to prevent it from being damaged, stop-it can be mounted on hoses after they have been connected. stop-it metal is extremely heat resistant and robust due to the steel and aluminum. The hose clamp is available in four different sizes up to a maximum hose diameter of 30mm.



To fit tubing mm	PK	Cat. No.
0.5 to 10	1	9.303 787
0.8 to 15	1	9.303 788
1.1 to 20	1	9.303 789
2.5 to 30	1	9.303 790



6 Tubing clips, Mohr pattern

Nickel plated. Spring pinchclip.

Length mm	PK	Cat. No.
40	1	9.180 040
50	1	9.180 050
60	1	9.180 060
70	1	9.180 070
80	1	9.180 080

1. General laboratory consumables

Tubing/Adapters, Clips, Clamps

1 Tubing clips, Hofmann pattern

Brass nickel plated. Bottom hinged.

Clamping range	PK	Cat. No.
mm		
12	1	9.180 112
17	1	9.180 117
20	1	9.180 120
25	1	9.180 125
30	1	9.180 130
40	1	9.180 140
50	1	9.180 142



2 Tubing clips, Hofmann pattern

Brass/nickel. Extra strong. With wing nut closure. Bottom hinged.

Bochem

Clamping range	PK	Cat. No.
mm		
50	1	9.180 150



3 Tubing clamps

Pean pattern. Polished stainless steel. For clamping tubing.

Bochem

Length	PK	Cat. No.
mm		
140	1	9.180 199
160	1	9.180 200
180	1	9.180 201



4 WILO- Curved tubing clamps

SK range. Steel. Large, plastic knurled nut with embedded brass screwthread insert which closes a metal bracket onto the curved tubing stirrup. Clamping range 10mm to 30mm. Temperature resistant up to 150°C.

Clamping range	Material	PK	Cat. No.
mm			
10	Knurled nut Aluminium	1	9.180 210
15	Knurled nut Moulded plastic	1	9.180 215
20	Knurled nut Moulded plastic	1	9.180 220
30	Knurled nut Moulded plastic	1	9.180 230



5 Nickel chromium steel clips

Hose clips, with hexagonal head.

Jaw opening	PK	Cat. No.
mm		
10 to 5.5	1	9.207 510
12 to 8.5	1	9.207 512
14 to 9.5	1	9.207 514
17 to 12.0	1	9.207 517
21 to 16.0	1	9.207 521
25 to 20.0	1	9.207 525
29 to 24.0	1	9.207 529



6 Worm drive tubing clamps

To DIN 3017. Chrome steel 1.4016. With galvanized, worm drive screw.

Jaw opening	Band-width	PK	Cat. No.
mm	mm		
7 to 11	5.0	1	9.207 435
11 to 19	5.0	1	9.207 436
8 to 12	7.5	1	9.207 437
10 to 16	7.5	1	9.207 439
12 to 22	9.0	1	9.207 440
16 to 25	9.0	1	9.207 445
20 to 32	9.0	1	9.207 452
25 to 40	9.0	1	9.207 460
32 to 50	9.0	1	9.207 465
40 to 60	9.0	1	6.241 130





1 Herbie tubing clamps

Beetle nylon 6.6. Simple to assemble by pressing together without the need for tools. Quick to detach with side dislocation. Good chemical resistance. Temperature resistant from -40°C to +170°C. Longterm temperature 125°C, shortterm temperature 170°C.

Type	Jaw opening mm	PK	Cat. No.
AA	6.5 to 7.9	1	9.207 707
B	7.9 to 9.2	1	9.207 708
BB	9.2 to 10.3	1	9.207 709
C	10.2 to 11.8	1	9.207 710
D	12.0 to 13.8	1	9.207 712
E	13.1 to 15.1	1	9.207 713
F	15.0 to 17.1	1	9.207 715
G	16.9 to 19.1	1	9.207 717
H	18.1 to 20.6	1	9.207 718
I	20.3 to 23.0	1	9.207 720
K	22.2 to 24.9	1	9.207 722
L	24.5 to 27.6	1	9.207 725



2 Tubing clamps POM

Hose clips made of Polyacetel (POM).

Bürkle

Jaw opening mm	PK	Cat. No.
6.0 to 6.5	10	6.052 587
9.0 to 10	10	6.052 588
10.0 to 11	10	6.052 589
11.0 to 12	10	6.052 590
12.0 to 14	10	6.052 591
13.0 to 15	10	6.052 592
15.0 to 17	10	6.052 593
17.0 to 19	10	6.052 594
18.0 to 20	10	6.052 595
20.0 to 22	10	6.052 596
23.0 to 25	10	6.052 598



3 Autoclavable adhesive Tape

NEW!

Indicator adhesive tape with steam indicator, for steam sterilisation. The white stripes change colour to brown whilst being autoclaved (121°C and 134°C). Supplied in a roll of 50M, 19mm wide.

Type	PK	Cat. No.
Indicator adhesive tape	1	9.140 784



4 Indicator Tape, Comply™

3M Deutschland

Lead free version available now. Semi-crepe paper. Self adhesive. Very good adhesion on various soft packagings. Tape stretches to minimize tape pop-off, which reduces need for re-sterilization due to packs opening during processing. Accepts handwriting and labelling for easy use and better record keeping. Supplied in a roll of 55M.

Type	For	Width mm	PK	Cat. No.
Comply™	Dry-Heat Sterilisation	19	1	9.140 783
Comply™ lead free	Steam Sterilisation	18	1	9.140 786



5 Adhesive parcel tape tesapack® 4124

NEW!

tesapack® 4124, transparent.

Description	Width mm	Length m	PK	Cat. No.
Adhesive parcel tape	25	66	1	9.140 814
Adhesive tape dispenser	25		1	9.140 815

➔ For more sterilization tapes, please see page 1098.

1. General laboratory consumables

General laboratory aids/Labels

1 Adhesive parcel tape tesapack® 4024

Strong, brown tape.

Width mm	Length m	PK	Cat. No.
50	66	1	9.140 813



2 Adhesive tape dispenser tesa® 6285

For sealing cardboard boxes, using accessory tesapack®, tesafilm® or tesakrepp® sealing materials.

Width mm	PK	Cat. No.
50	1	9.140 817



3 Adhesive label tape Write-on™, writable

Specially coated plastic tape with adhesive backing. Makes labels of any length. Can be used with any pens. Excellent adhesion to glass, metal, PE etc. Resistant to humidity, as well as acids and alkali solutions in weak concentrations. Leaves no residue when removed.

Bel-Art Products

Temperature resistance
 up to +257°C: 30 min
 up to +80°C: 24 h
 Resistant to -80°C.

Colour	Width mm	Length m	PK	Cat. No.
White	12.7	36.4	1	9.040 379
White	19.0	36.4	1	9.040 380
White	25.4	36.4	1	9.040 381
White	12.7	54.6	1	9.040 351
White	19.0	54.6	1	9.040 352
White	25.4	54.6	1	9.040 353
Red	12.7	36.4	1	9.040 336
Red	19.0	36.4	1	9.040 341
Red	25.4	36.4	1	9.040 346
Yellow	12.7	36.4	1	9.040 337
Yellow	19.0	36.4	1	9.040 342
Yellow	25.4	36.4	1	9.040 347
Green	12.7	36.4	1	9.040 338
Green	19.0	36.4	1	9.040 343
Green	25.4	36.4	1	9.040 348
Blue	12.7	36.4	1	9.040 339
Blue	19.0	36.4	1	9.040 344
Blue	25.4	36.4	1	9.040 349
Orange	12.7	36.4	1	9.040 340
Orange	19.0	36.4	1	9.040 345
Orange	25.4	36.4	1	9.040 350



4 Adhesive tape dispenser Write-On™

- For one roll Write-On™ adhesive tape
- With epoxy-coated steel writing platform
- Weighted base with non-skid pads prevents sliding or lifting
- 76mm core fits standard tape rolls up to 25mm wide and accepts tape rolls having a maximum diameter of 133mm
- Accepts 36.6m as well as 54.9m rolls
- Dimensions (WxDxH): 213 x 87 x 95mm
- Dimensions of writing platform 102 x 152mm

Bel-Art Products

Type	PK	Cat. No.
Write-On™	1	9.040 388



General laboratory aids/Labels



1 Adhesive tape dispenser Write-On™ Economy

Provides a smooth writing surface, making labeling easy and fast. When marked tape is advanced and cut off on the serrated edge, a fresh length of label tape is positioned on the writing platform. Plastic cutting edge is moulded into the housing. Various widths and colours of tape rolls can be mixed together on the spindles, which accommodates 5 or more 12 to 19mm narrow rolls or 4 x 25mm wide rolls. Spindles are easily removed from the unit for loading and unloading and can be adjusted to hold either 25 or 75mm core diameter rolls.

Bel-Art Products

- Includes three plastic separating discs to assure smooth, snag free dispensing for up to four rolls of tape (additional discs on request).
- Moulded-in pen holder wells on the dispenser help to keep writing instruments handy
- Ideal for use with the full line of Write-On™ Tapes, which are available in 6 colors and 3 widths.
- Includes mounting holes for secure attachment to a benchtop (screws not included). Can also be attached to vertical surfaces using Wall Mount Adapter

Dimensions (WxDxH): 302 x 143 x 105 mm

Items supplied:

Write-On™ Economy: Adhesive tape dispenser incl. 1 roll of 12mm white Write-On™ Labeling Tape

Type	PK	Cat. No.
Write-On™ Economy	1	9.040 389



2 Adhesive tape for label protection, PES and Tape dispenser, ABS

Adhesive tape for label protection

Bel-Art Products

Clear polyester tape with special synthetic adhesive. Resistant to moisture and most solvents. Resistant to temperatures of -196 to +200°C (dry heat) and up to +121°C (steam sterilization). Excellent adhesion to glass, metal, PE etc. Supplied in rolls as outlined below.

Tape dispenser

Durable tape dispenser is molded of strong ABS plastic with a steel serrated cutting blade; tape roll held in place by aluminum roller and spring-loaded cover. Includes four non-slip rubber feet and screws.

Dimensions (L x W x H): 206 x 117 x 600mm.

Description	Width mm	Length m	PK	Cat. No.
Adhesive tape	25	32,9	1	9.040 425
Adhesive tape	38	32,9	1	9.040 438
Adhesive tape	51	32,9	1	9.040 450
Tape dispenser	-	-	1	9.040 550



3 Adhesive labels

White, blank, self-adhesive labels. 75g/m² woodfree paper, with strong rubber adhesive coating.

Smear-resistant, sheet size approx. 168 x 120mm. Packed in sturdy cardboard boxes.

Label sizes and pack quantities as outlined below.

Width mm	Length mm	PK	Cat. No.
30	12	10000	9.040 612
40	13	5000	9.040 614
22	16	10000	9.040 616
40	19	5000	9.040 618
50	20	5000	9.040 620
40	25	5000	9.040 625
53	34	2500	9.040 635
67	34	1000	9.040 636
82	52	1000	9.040 652



4 Deep freeze labels SuperPrint, white

Self-adhesive deep-freeze labels on A4 sheets. Remains firmly attached even at very low temperatures.

Perfect for all PC printers (laser/inkjet/dot-matrix), copiers and multi-functional machines.

Not suitable for colour laser printers and colour copiers. The label paper in High-Resolution-Quality guarantees perfect toner fixing and optimum laser printing results, also at high resolution. Trouble-free processing due to all-around protective edge and optimum flatness.

Length mm	Width mm	PK	Cat. No.
38.1	21.2	25	6.201 004
66.0	33.8	25	6.201 005

1. General laboratory consumables

General laboratory aids/Labels

1 Cryogenic labels, Type 5040

Durable, non-shrinking, plain cloth labels. Ideal for labelling cryoboxes.
Supplied in packs of 10 sheets of labels with each sheet containing 20 labels.

Thermo Scientific

Type	Width mm	Height mm	PK	Cat. No.
5040	50	25	200	9.400 976



2 3 Cryo labels Rainbow

For customizing the white Cryo Boxes, the Rainbow Cryo labels are available in modern colors: red, yellow, green, blue, purple.
- temperature-resistant down to -150°C
- 50 labels per pack, divided into 5 colors, 10 pieces from each color



Ratiolab

Type	Width mm	Height mm	PK	Cat. No.
Rainbow	200	40	50	6.256 343



4 Deep freeze labels TOUGH-SPOTS®

Pre-cut Peel-off round labels for 0.5 and 1.5/2.0ml microcentrifuge tube tops.
Temperature resistant from -196°C to 80°C.
Easy to write on: PVC labels accept writing from most lab markers.
Convenient: Dispensing box assists in labeling individual tubes used in small experiments.

Heathrow Scientific

Diam. mm	Colour	For vessels	PK	Cat. No.
9.5	White	0.5 ml Tubes	1000	9.040 711
9.5	Blue	0.5 ml Tubes	1000	9.040 712
9.5	Green	0.5 ml Tubes	1000	9.040 713
9.5	Red	0.5 ml Tubes	1000	9.040 714
9.5	Yellow	0.5 ml Tubes	1000	9.040 715
13.0	White	1.5/2.0 ml Tubes	1000	9.040 716
13.0	Blue	1.5/2.0 ml Tubes	1000	9.040 717
13.0	Green	1.5/2.0 ml Tubes	1000	9.040 718
13.0	Red	1.5/2.0 ml Tubes	1000	9.040 719
13.0	Yellow	1.5/2.0 ml Tubes	1000	9.040 720



5 Deep freeze labels Cryo-Babies®/Cryo-Tags®

Temperature resistant from -196°C to +150°C. All labels withstand freezer temperatures down to -196°C (liquid and vapor phase nitrogen), boiling water baths (100°C), autoclaving and moderate ovens (150°C). Chemically inert labels resist most organic solvents and caustic agents. They adhere to most plastics, glass and metals without cracking, peeling or degrading. Made with a flexible, polyfin label material and acrylic adhesive. This unique combination expands and contracts together with temperature fluctuations resulting in a strong adhesive bond. Convenient dispensing box assists in labeling individual tubes used in small experiments. Easy to write on. PVC labels accept writing from most lab markers including solvent resistant pens.

Heathrow Scientific

Type	Dimensions (W x D) mm	Colour	For vessels	PK	Cat. No.
Cryo-Babies®	24 x 13	White	0.5ml tubes	1000	9.100 030
Cryo-Babies®	33 x 13	White	1.5/2.0ml tubes	1000	9.100 031
Cryo-Tags®	38 x 13	White	General application	1000	9.100 032



6 Laser deep freeze labels Cryo-Babies®

Temperature resistant from -196°C to +150°C. All sheets withstand freezer temperatures down to -196°C (liquid and vapor phase nitrogen), boiling water baths (100°C), autoclaving and moderate oven temperatures (150°C). Chemically inert labels resist most organic solvents and caustic agents. They adhere to most plastics, glass and metals without cracking, peeling and degrading. Made with a flexible, polyfin label material and acrylic adhesive. This unique combination expands and contracts together with temperature fluctuations resulting in a strong adhesive bond. Label sheets are specially top-coated to readily accept laser printing. Heat-resistant, stay-flat sheets will not jam in laser printers. Easy to write on. PVC labels accept writing from most lab markers including solvent resistant pens.

Heathrow Scientific

Type	Dimensions (W x D) mm	For vessels	PK	Cat. No.
Cryo-Babies®	33 x 13	1.5/2.0ml tubes	1700	9.100 033



Cryogenic items - please see our chapter 7

General laboratory aids/Labels



1 Labels Tough-Tags®

Temperature resistant from -40°C to +121°C. Tough-Tags resist boiling water baths, autoclaving and moderate freezer temperatures. Chemically inert labels resist most organic solvents and caustic agents. They adhere to most plastics, glass and metals without cracking, peeling and degrading. Tubes are pre-cut, peel-off labels which accept many marking instruments. They are perfectly sized to fit microcentrifuge tubes and other containers in the laboratory. Tubes labeled with Tough-Tags® easily slide in and out of centrifuge rotors without binding.

Heathrow Scientific

Dimensions (W x D) mm	Colour	For vessels	PK	Cat. No.
24 x 13	White	0.5ml tubes	1000	9.100 045
24 x 13	Blue	0.5ml tubes	1000	9.100 046
24 x 13	Green	0.5ml tubes	1000	9.100 047
24 x 13	Red	0.5ml tubes	1000	9.100 048
24 x 13	Yellow	0.5ml tubes	1000	9.100 049
33 x 13	White	1.5/2.0ml tubes	1000	9.100 040
33 x 13	Blue	1.5/2.0ml tubes	1000	9.100 041
33 x 13	Green	1.5/2.0ml tubes	1000	9.100 042
33 x 13	Red	1.5/2.0ml tubes	1000	9.100 043
33 x 13	Yellow	1.5/2.0ml tubes	1000	9.100 044
38 x 6	White	Microplates	1000	9.100 050
21 x 7	White	PCR tubes	1500	9.100 051
38 x 19	White	General application	1000	9.100 052



2 Label station, acrylic for Tough-Tags®/Cryo-Babies®/Tough-Spots®

Portable label station holds up to six standard size boxes of Tough-Tags®, Cryo-Babies®, and Tough-Spots®. Just drop the box in the label station and feed the paper through the slot.

Heathrow Scientific

- Acrylic station includes a writing surface, a cutting edge for easy dispensing and non-skid rubber feet
- Counter-sunk holes provided for wall mounting

Dimensions (W x D x H) mm	PK	Cat. No.
280 x 89 x 120	1	9.100 060



3 Label remover, Solvent 50

SOLVENT 50 is a highly effective label solvent for the effortless removal of self adhesive labels on the basis of natural orange terpenes. It works on the adhesive and quickly and gently dissolves adhesive labels on glass, porcelain, metal, wood, foil and cardboard. SOLVENT 50 also removes sticky residue of any kind, such as tar spots or glue residue from stickers. Check compatibility when using on plastics. Not suitable for polystyrene.

Density:	Spray: 0.74g/cm ³ (20°C) Jerrycan: 0.83g/cm ³ (20°C)
Ignition point:	Spray: < 0°C Jerrycan: 46°C
Evaporation rate:	Spray and jerrycan: 94 (DIN 53170 Ether = 1).

Type	Capacity L	PK	Cat. No.
Spray can	0.20	1	9.412 810
Jerrycan	5.00	1	9.412 811



4 BMP™21 Plus Hand-held label printer

NEW!

Brady

The portable label printer BMP™21 Plus creates long lasting labels which adhere securely. Even under extremely demanding industrial applications the thermal transfer printer BMP™21 labels are pin sharp and clearly legible.

Key Features:

- Hard wearing design
- 203 dpi thermal transfer print
- Large LCD Display (3 lines of text, 1 line of icons)
- Left or right handed cutter activation
- Automatic data serialisation and built-in graphics and barcodes

Type	PK	Cat. No.
BMP™21 Plus	1	9.040 586

1 Accessories for BMP™21 Hand-held label printer

<i>Brady</i>		
Description	PK	Cat. No.
Magnet	1	9.040 556
Tool	1	9.040 557
AC Adapter - Europe 220V	1	9.040 553
AC Adapter - UK 220V	1	9.040 554
AC Adapter - USA 110V	1	9.040 552



Application Key for Brady labels

- F = Freezer (-70°C)
- N = Liquid Nitrogen (-196°C)
- A = Autoclave
- H = Hot Water Bath (100°C)
- S1 = Self-laminating label
- L = Low-Profile (extremely thin)
- V = Vial Identification
- S2 = Slide Identification
- P = Plate Identification
- G = General Identification

Brady labels Material overview

- Type B-499:** Permanent adhesive, write-on capabilities
- Type B-461:** Permanent adhesive - suitable for liquid nitrogen application if label material is wrapped around itself, as in self-lamination, write-on capabilities
- Type B-481:** Clear polyester will remain resistant when exposed to xylene and other chemicals that are commonly used in the slide staining process.
- Type B-488:** Permanent acrylic adhesive - ideal for flat surfaces, write-on capabilities, excellent solvent resistance and xylene resistance
- Type B-427:** Permanent acrylic adhesive; self-laminating, write-on capabilities, suitable for liquid nitrogen application and can be used to ID a frozen vial if label material is wrapped around itself, as in self-lamination
- Type B-492:** Label material that will adhere to frozen surfaces
- Type B-595:** Mark aisles, passageways, storage locations, point out safety equipment, exits. Indoor/outdoor marking film, high gloss, durable, flexible. Temperature range: -40°C to 82°C, durability outdoors up to 10 years.

Labels for BMP™21 Hand-held label printer

Black on white. Brady's laboratory labels are designed to withstand extreme laboratory environments. The labels are resistant against high/low temperatures, solvents and chemicals (Alcohol and DMSO). *Brady*

Type	Material	Width mm	For	PK	Cat. No.
B-461	Polyester	9.50	F N A H S1 L V S2	1	9.040 562
B-461	Polyester	12.70	F N A H S1 L V S2	1	9.040 574
B-461	Polyester	19.05	F N A H S1 L V S2	1	9.040 575
B-499	Nylon cloth	9.53	F N A V P G	1	9.040 576
B-499	Nylon cloth	12.70	F N A V P G	1	9.040 577
B-499	Nylon cloth	19.05	F N A V P G	1	9.040 578
B-488	Polyester	9.53	F A S2 P G	1	9.040 579
B-488	Polyester	12.70	F A S2 P G	1	9.040 580
B-488	Polyester	19.05	F A S2 P G	1	9.040 581
B-427	Vinyl	19.05	F N S1 V S2 P G	1	9.040 582
B-427	Vinyl	25.40	F N S1 V S2 P G	1	9.040 583
B-427	Vinyl	30.48	F N S1 V S2 P G	1	9.040 584
B-427	Vinyl	38.10	F N S1 V S2 P G	1	9.040 585

General laboratory aids/Labels

1 Label printer BBP™ 33

The BBP™ 33 Label Printer is a completely hassle free, easy to use PC-based printer that can print signs and labels up to 101.6 mm wide. Brady
 Smart chip supplies automatically set up the label in your Brady software, eliminating manual calibration and label waste. Drop-in ribbon and label cartridges ensure fast and effortless material changes. The BBP™ 33 Label Printer can print on a full range of laboratory labels and provides clear and durable labelling to eliminate errors in sample identification and ensure traceability. It is really that simple and hassle free - exactly the way label making should be. Solves all your labelling challenges

- Thermo transfer printer
- Printer resolution: 300dpi
- Printer speed: 101mm/sec (Max.)
- Dimensions (W x H x D): 230.6 x 241.6 x 304.8mm
- Use LabelMark™ and CodeSoft™ label software or with Windows® based driver for 3rd party software use
- Fast and effortless material changeovers

Type	PK	Cat. No.
BBP™ 33 EU Printer	1	9.050 797
BBP™ 33 UK Printer	1	9.050 796
BBP™ 33 EU Printer + MarkWare	1	9.050 799
BBP™ 33 UK Printer + MarkWare	1	9.050 798



Labels for Label printer BBP™33



Brady

Type	Material	Dimensions	Description	For ink ribbon	PK	Cat. No.
		mm				
B-461	Polyester	9.53	Labels for vial top identification	B30-R4300	1000	9.050 811
B-461	Polyester	12.70	Labels for vial top identification	B30-R4300	1000	9.050 812
B-461	Polyester	12.70 x 55.88*	Labels for ampoules and tubes	B30-R4300	1500	9.050 815
B-461	Polyester	25.40 x 133.35**	Labels for ampoules and tubes	B30-R4300	650	9.050 816
B-481	Polyester	22.86 x 22.86	Labels for slides	B30-R6400	1800	9.050 817
B-488	Polyester	22.86 x 19.05	Labels for microplates	B30-R4300	3000	9.050 813
B-488	Polyester	48.26 x 6.35	Labels for microplates	B30-R4300	2000	9.050 814

Dimensions printable height: *19.05mm, **38.10mm

1. General laboratory consumables

General laboratory aids/Labels-Documenting

1 | 2 Label printer BMP™71

- Large, highly visible colour display with on screen indicators
- WYSIWYG interface
- Easy to load materials; Drop & Go
- Use 1 printer for all your applications
- Computer style keypad, with a selection of 4 layouts
- Standalone operation
- PC connectivity and operational through Brady's software packages LabelMark™ and MarkWare™
- Fast printing
- True field usable printer with long lasting battery and easy to carry printer design
- Auto font sizing
- Multi language user interface
- All European character sets embedded in the printer
- Built in barcode - time/date stamp - 500+ graphics
- Specific label applications
- Wizard based applications for Electrical, Tele/Datacom & Safety labels

Brady



Key Material features

- Smart cell technology for all materials and ribbons providing auto formatting
- Largest variety of materials available in the market, both standard and custom made labels
- Can print both on diecut labels and continuous materials, including PermaSleeves™,
- Self-laminating Labels, EPREP (Engraved Plate REPlacement) labels, Reflective, Phosphorescent and Tamper Resistant tapes
- 30+ different materials
- Labels up to 50.80mm wide
- Labels up to 1016mm long
- Prints on all TLS2200® and HandiMark™ parts, including bulk packs

Supplied with: BMP71 comes in a hard carry case with battery pack, AC adapter/battery charger, USB connection cable, TLS/HandiMark label roll adapter, Cleaning card and swab, Product CD (contains user manual, printer driver and tutorial), Quick Start Guide, M71-R6000 black ribbon, M71-31-423 diecut labels and M71C-2000-595-WT tape

Type	PK	Cat. No.
BMP™71-QWERTZ-EU	1	9.412 915
BMP™71-QWERTZ-EU + Software Labelmark 5.0	1	9.412 916

3 Labels for label printers BMP™71

Please order printer ribbons separately.

Brady

Type	Length	Width	For ink ribbon	Description	PK	Cat. No.
	m	mm				
B-595	15.24	13,00	M71-6000	Continuous roll	1	9.412 900
B-595	15.24	25,40	M71-6000	Continuous roll	1	9.412 901
B-595	15.24	50,80	M71-6000	Continuous roll	1	9.412 902
B-461	12.70	45,72	M71-4300	Single labels	500	9.412 903
B-461	9.53	45,72	M71-4300	Single labels	500	6.228 911
B-461	15.24	41,28	M71-4300	Single labels	250	6.224 171
B-498	12.70	25,40	M71-6200	Single labels	500	9.412 904
B-498	38.10	25,40	M71-6200	Single labels	250	9.412 905
B-499	25.40	9,53	M71-4300	Single labels	500	9.412 906
B-499	12.70	22,86	M71-4300	Single labels	500	9.412 907
B-499	9.53	25,40*	M71-4300	Single labels	500	9.412 908
B-488	22.86	19,05	M71-4300; M71-6200	Single labels	250	9.412 909
B-488	22.86	22,86	M71-4300; M71-6200	Single labels	250	9.412 910

* with 9.53 mm diameter vial top label.



4 Permanent markers, edding 404, 0.75mm

Stroke width approx. 0.75mm. Low-odour, smudge-proof water-resistant and quick drying. Refillable. Replaceable tips. For labelling, painting and writing on virtually all materials, including glass, metal and plastics. Alcohol-based ink without toluene/xylene. Colours as outlined below.

Edding

Colour	PK	Cat. No.
Black	1	9.050 451
Red	1	9.050 452
Blue	1	9.050 453
Green	1	9.050 454



General laboratory aids/Documenting



1 Permanent markers, edding 400, 1mm

Stroke width approx. 1mm. Low odour, smudge-proof water-resistant and quick-drying. Refillable. With replaceable tips. For labelling, painting and marking on virtually all materials including glass, metal and plastics. Alcohol-based ink without toluene/xylene.

Edding

Colour	PK	Cat. No.
Black	1	9.050 421
Red	1	9.050 422
Blue	1	9.050 423
Green	1	9.050 424



2 Permanent markers, edding 3000, 1.5mm to 3mm

The classic with round tip. Stroke width approximately 1.5mm to 3mm. Low-odour, smudge-proof and water-resistant and quick drying. Refillable. Replaceable tips. For labelling, painting and writing on virtually all materials, including glass, metal and plastics. Alcohol-based ink without toluene/xylene. Colours as outlined below.

Edding

Colour	PK	Cat. No.
Black	1	9.050 411
Red	1	9.050 412
Blue	1	9.050 413
Green	1	9.050 414



3 Lab markers, 1.0mm point

Writes on dry or wet surfaces including glass, plastic, china and metal. Colour does not run in water or alcohol when used normally, but can be washed off.

Colour	PK	Cat. No.
black	1	9.050 601
red	1	9.050 602
blue	1	9.050 603
green	1	9.050 604



4 LAB-Marker II, 0.6mm, highly permanent

With hard wearing, fine fibre point. For labelling most materials (plastic, metal, china, glass etc.). Particularly suitable for tissue and cell culture applications. The non-toxic ink is dye, bleach and wash-resistant and also resists solvents including alcohol and xylene.

Colour	PK	Cat. No.
black	1	9.050 611
red	1	9.050 612



5 CD/DVD/BD markers, edding 8400, 0.5mm to 1mm

Stroke width approx. 0.5mm to 1mm. Special marker for the careful and permanent labelling of CDs, DVDs and Blu-ray discs. Soft tip and special water-based ink (solvent-free) will not damage the sensitive surface of the data layer unlike alcohol-based ink. Ink is smudge-proof and water-resistant on drying.

Edding

Colour	PK	Cat. No.
Black	1	9.050 696



6 LLG-Lab Notebook

For recording research data, experimental procedures, and design ideas. Use these notebooks to keep your information safe and well organised. Numbered, acid-free, grid pages include spaces for title, project number, book number, date, and witness signature. Lined notebooks feature college ruled pages for easy report writing. Covers are waterproof and chemical-resistant. All notebooks contain periodic and conversion tables in the back. Admissible as court evidence when used as prescribed by law. Measures: 216 x 279mm.

Description	Type	Colour	PK	Cat. No.
100 pages	grid	black	1	9.050 750
200 pages	grid	blue	1	9.050 751
200 pages	lined	red	1	9.050 752

1. General laboratory consumables

General laboratory aids/Documenting-Laboratory jacks

1 Molecular model system Molymod®

The Molymod® system is an original, unique system of high quality molecular models.

The set consists of a variety of atom parts and links designed to make a large number of possible structures relevant to a specific chemistry subject or use, e.g. Biochemistry, Organic or Inorganic. All sets are fully compatible.

Atom parts are made of solid clouded plastic spheres. They are available with holes from 1 to 6 in the usual angular orientations.



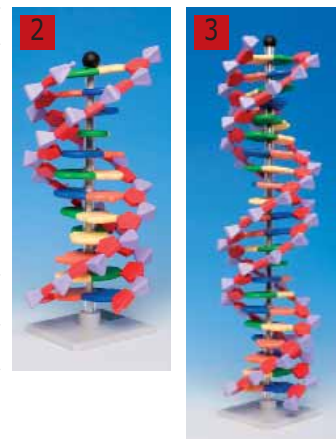
Type	Description	PK	Cat. No.
Introductory Set	48 atom parts, 62 links	1	9.883 101
Organic Set, large	111 atom parts, 140 links	1	9.883 103
Biochemistry Set, large	257 atom parts, 160 links	1	9.883 107
Organic Set, small	50 atom parts, 64 links	1	9.883 108
Inorganic/Organic Set, small	51 atom parts, 38 links	1	9.883 109
Inorganic/Organic Set, large	106 atom parts, 86 links	1	9.883 104
Molecular Orbital Organic	Carbon 12/18 hydrogen bonds 9/18	1	9.883 111
Molecular self-assembly kit Inorganic	diamond 30 atoms	1	9.883 112
Molecular self-assembly kit Inorganic	graphite 45 atoms	1	9.883 113
Molecular self-assembly kit Inorganic	sodium chloride, 27 atoms	1	9.883 114
Molecular self-assembly kit Inorganic	water 26 units	1	9.883 115

2 3 Molecular model system miniDNA®

The advanced miniDNA® system comprises colour-coded, abstract-shaped parts designed to represent the nitrogenous bases, pentagonal sugar and pyramidal phosphate components needed to make a double-helix model of DNA. The three hydrogen bonds that connect Cytosine to Guanine and the two that connect Thymine to Adenine are represented by the appropriate number of pegs.

Two DNA kits are available to make either a 12-layer (1 turn) or 22-layer (2 turns) DNA model. The models can be displayed on their stands, or unzipped into a ladder form to demonstrate the process of Replication. A similar approach can be taken with the two RNA kits to model the process of Protein Synthesis known as Transcription.

Type	Description	PK	Cat. No.
miniDNA®	12-layer Kit	1	6.261 370
miniDNA®	22-layer Kit	1	6.261 344



4 LLG-Laboratory jack, stainless steel

Length	Width	Min. height	Max. height	Max. load	PK	Cat. No.
mm	mm	mm	mm	kg		
200	200	90	320	25	1	9.117 220



5 Swiss Boy laboratory jacks, anodised aluminium.

Anodised aluminium. Corrosion proof, stable and easily adjustable. Upper and lower end positions are adjustable. At reaching the setting, the laboratory support stops automatically. In various colours as outlined below.

Width	Length	Adjustable from / to	Max. load	Colour	PK	Cat. No.
mm	mm	mm	kg			
40	50	31 - 93	20	Green	1	9.117 100
75	80	49 - 147	30	Blue	1	9.117 105
140	120	60 - 243	50	Pink	1	9.117 110
150	122	80 - 278	80	Gold	1	9.117 115
216	180	95 - 398	90	Light blue	1	9.117 116
320	240	120 - 500	90	Grey	1	9.117 118



General laboratory aids/Laboratory jacks

1



1 Swiss Boy laboratory jack accessories

Swiss Boy laboratory stand accessories. Baseplates and ancillary plates made of grey/black anodised aluminium. Support used to attach Swiss Boys in any position to apparatus scaffolding existing in many laboratories. Maximum support rod diameter 20mm. Black.

Description	Width mm	Length mm	PK	Cat. No.
Ancillary plate	200	200	1	9.117 130
Ancillary plate	300	300	1	9.117 131
Ancillary plate	260	180	1	9.117 132
Ancillary plate	500	400	1	9.117 134
Ancillary plate	220	320	1	9.117 135
Baseplate	200	200	1	9.117 133
Support rod	12	650	1	9.117 177
Support			1	9.117 199

2



2 3 Laboratory jacks, 18/10-stainless steel

For those who wish to reach the top
New design and improved construction:

Bochem

- Improved scissor technology with reduced tolerances
- Ergonomic knob, rounded and user friendly
- Scissor-construction made of 18/10-stainless steel

Properties:

- All models are manufactured according to DIN 12897.
- With the operating load we differ between the maximal dynamic operating load (Kg max. dyn.) and the maximal static operating load (Kg max. stat.) of the lab jack. These norms are also according to DIN 12897.
- Smaller models up to 240mm x 240mm (Type A) have a simple adjusting wheel, which can be operated by hand.
- Bigger models from 300mm x 300mm on (Type B) have a special adjusting wheel, which is used with the included ratchet.

3



Type	Width mm	Length mm	Min. height mm	Max. height mm	Max. dyn. kg	Max. stat. kg	PK	Cat. No.
A	100	100	55	120	5	10	1	9.118 923
A	130	160	60	275	7	30	1	9.118 924
A	200	200	60	275	7	30	1	9.118 925
A	240	240	60	275	7	30	1	9.118 926
B	300	300	130	470	12	60	1	9.118 928
B	400	400	130	470	15	60	1	9.118 929
Ratchet		190					1	9.118 921

We can supply this
manufacturer's whole
product range !

partner of the



1. General laboratory consumables

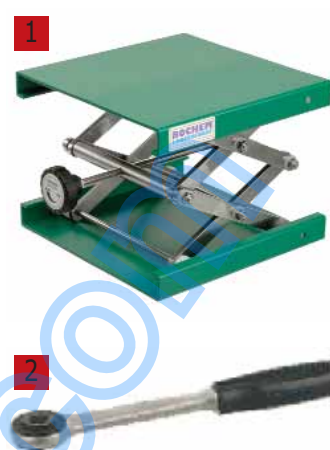
General laboratory aids/Laboratory jacks

1 2 Laboratory jacks, aluminium



For those who wish to reach the top
 New design and improved construction:
 - Improved scissor technology with reduced tolerances
 - Ergonomic knob, rounded and user friendly
 - Scissor-construction made of 18/10-stainless steel

Properties:
 - All models are manufactured according to DIN 12897.
 - With the operating load we differ between the maximal dynamic operating load (Kg max. dyn.) and the maximal static operating load (Kg max. stat.) of the lab jack. These norms are also according to DIN 12897.
 - Smaller models up to 240mm x 240mm (Type A) have a simple adjusting wheel, which can be operated by hand.
 - Bigger models from 300mm x 300mm on (Type B) have a special adjusting wheel, which is used with the included ratchet.



Type	Width mm	Length mm	Min. height mm	Max. height mm	Max. dyn. kg	Max. stat. kg	PK	Cat. No.
A	100	100	55	120	5	10	1	9.118 960
A	160	130	60	275	7	30	1	9.118 961
A	200	200	60	275	7	30	1	9.118 962
A	240	240	60	275	7	30	1	9.118 963
B	300	300	130	470	12	60	1	9.118 964
B	400	400	130	470	15	60	1	9.118 965
Ratchet		190					1	9.118 921

3 4 Laboratory jacks, aluminium anodized

Bochem

For those who wish to reach the top
 New design and improved construction:
 - Improved scissor technology with reduced tolerances
 - Ergonomic knob, rounded and user friendly
 - Scissor-construction made of 18/10-stainless steel

Properties:
 - All models are manufactured according to DIN 12897.
 - With the operating load we differ between the maximal dynamic operating load (Kg max. dyn.) and the maximal static operating load (Kg max. stat.) of the lab jack. These norms are also according to DIN 12897.
 - Smaller models up to 240mm x 240mm (Type A) have a simple adjusting wheel, which can be operated by hand.
 - Bigger models from 300mm x 300mm on (Type B) have a special adjusting wheel, which is used with the included ratchet.



Type	Width mm	Length mm	Min. height mm	Max. height mm	Max. dyn. kg	Max. stat. kg	PK	Cat. No.
A	100	100	55	120	5	10	1	9.118 975
A	160	130	60	275	7	30	1	9.118 976
A	200	200	60	275	7	30	1	9.118 977
A	240	240	60	275	7	30	1	9.118 978
B	300	300	130	470	12	60	1	9.118 979
B	400	400	130	470	15	60	1	9.118 970
Ratchet		190					1	9.118 921

5 Laboratory jacks MAXI, 18/10-stainless steel

Bochem

For those who wish to reach the top:
 New design and improved construction:
 - Improved scissor technology with reduced tolerances
 - Ergonomic knob, rounded and user friendly
 - Scissor-construction made of 18/10-stainless steel

Properties:
 - The MAXI lab jacks offer 30% more height because of an amplified construction
 - Scissor-construction made of 18/10-stainless steel
 - Adjustment of height with the help of an adjusting wheel.
 - Ergonomic knob, rounded and user friendly
 - With the operating load we differ between the maximal dynamic operating load (Kg max. dyn. = 7kg) and the maximal static operating load (Kg max. stat. = 30kg) of the lab jack. These norms are also according to DIN 12897.



Width mm	Length mm	Min. height mm	Max. height mm	PK	Cat. No.
130	160	75	400	1	6.225 931
200	200	75	400	1	9.118 945

General laboratory aids/Laboratory jacks

1


1 Laboratory jacks MAXI, aluminium

For those who wish to reach the top:
New design and improved construction:

- Improved scissor technology with reduced tolerances
- Ergonomic knob, rounded and user friendly
- Scissor-construction made of 18/10-stainless steel

Bochem

Properties:

- The MAXI lab jacks offer 30% more height because of an amplified construction
- Scissor-construction made of 18/10-stainless steel
- Adjustment of height with the help of an adjusting wheel.
- Ergonomic knob, rounded and user friendly
- With the operating load we differ between the maximal dynamic operating load (Kg max. dyn.) and the maximal static operating load (Kg max. stat.) of the lab jack. These norms are also according to DIN 12897.

Width	Length	Min. height	Max. height	PK	Cat. No.
mm	mm	mm	mm		
130	160	75	400	1	9.118 946
200	200	75	400	1	9.118 947

2


2 Laboratory jacks with hydraulic drive, stainless steel

Advantages:

- easy, safe lifting
- stable, parallel movement
- alternative stainless steel versions available on request

Juchheim Laborgeräte

Max. kg	Width mm	Length mm	Min. height mm	Max. height mm	PK	Cat. No.
25	200	230	91	285	1	9.118 980
25*	200	230	91	285	1	9.118 971
25**	200	230	91	285	1	9.118 981
15	200	230	108	393	1	9.118 982
25	300	300	91	285	1	9.118 983
25*	300	300	91	285	1	9.118 984

* With safety lowering device

**High-grade steel, except the pump unit

3


3 Laboratory jacks with hydraulic drive, high capacity

Advantages:

- Easy and safe lifting
- Stable, parallel movement
- Alternative stainless steel versions (1.4571) on request

Juchheim Laborgeräte

Width mm	Depth mm	Min. height mm	Max. height mm	Max. kg	PK	Cat. No.
400	450	175	625	85	1	9.118 985
500	500	230	850	85	1	9.118 986
600	600	230	1060	85	1	9.118 987

4


4 Laboratory jack LABLIFT m

IKA® lab lifts are suitable for raising and supporting small laboratory devices or vessels. The maximum weight that can be raised is up to 7 kg (max. dynamic load) and the maximum supporting weight is up to 25 kg (max. static load). The working height can extend from 70 mm to 300 mm. The auxiliary springs ensures that users can raise large loads easily, especially from the lowest position.

IKA

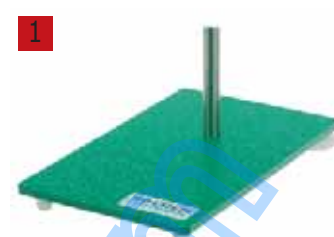
- The hand wheel ensures that the operation is smooth and comfortable
- The self-lubricating bearing significantly reduces friction

Width mm	Depth mm	Min. height mm	Max. height mm	Max. kg	PK	Cat. No.
200	310	70	300	25	1	9.720 419

1. General laboratory consumables

General laboratory aids/Stands, Fittings

1 Retort stand bases					
Lacquered steel with green finish, M10 thread hole on one short side, 1 foot adjustable. To DIN 12892. Laboratory stands are supplied without support rod. Please select the suitable rod from "support rods".					Bochem
Width mm	Length mm	Thickness mm	Weight g	PK	Cat. No.
160	250	6	2000	1	6.077 369
200	315	6	3000	1	9.224 041
130	210	8	1800	1	9.224 042
160	250	8	2600	1	9.224 043
200	315	8	4000	1	9.224 044
200	315	10	5000	1	9.224 045



2 Rectangular retort stand bases, Stainless steel, lacquered					
Highly stable laboratory stand due to the steel rectangular base which is stove enamel coated. With an M10 threaded hole in the middle of one short side. Rubber support feet prevents the stand from sliding. Laboratory stands are supplied without support rod. Please select the suitable rod from "support rods".					
Width mm	Length mm	Weight g	PK	Cat. No.	
130	210	1725	1	6.242 701	
150	300	2830	1	4.008 486	
200	315	4000	1	4.008 487	



3 Retort stand bases, Steel					
Steel, powder-coated. With an M10 bore hole in the middle of one of the shorter sides. Laboratory stands are supplied without support rod. Please select the suitable rod from "support rods".					Juchheim Laborgeräte
Width mm	Length mm	Weight g	PK	Cat. No.	
130	210	1800	1	6.301 718	
150	300	2900	1	6.307 252	
200	315	4100	1	6.074 044	



4 Tripod retort stand bases 18/10 Stainless steel					
Highly stable laboratory stand due to the steel tripod base which is stove enamel coated. With an M10 threaded hole in the middle. Rubber support feet prevents the stand from sliding. Laboratory stands are supplied without support rod. Please select the suitable rod from "support rods".					
Foot length mm	Weight g	PK	Cat. No.		
115	805	1	4.008 488		
150	1050	1	4.008 489		



5 Retort stand base, tripod pattern					
Steel, powder-coated. Tripod pattern, with rubber feet. With M10 threaded central hole. Laboratory stands are supplied without support rod. Please select the suitable rod from "support rods".					
Foot length mm	Weight g	PK	Cat. No.		
115	1000	1	9.224 051		
150	1350	1	9.224 054		



6 Retort stand base, tripod pattern					
Cast iron varnished. Thread M10. Laboratory stands are supplied without support rod. Please select the suitable rod from "support rods".					Bochem
Foot length mm	Weight g	PK	Cat. No.		
105	1200	1	6.401 256		
145	2000	1	6.084 197		



General laboratory aids/Stands, Fittings



1 Table clamps for rods, malleable cast iron, coated

For table tops with a thickness of max. 55mm. Rod diameter 12/13mm.

Bochem

Description	PK	Cat. No.
Table clamps	1	6.089 284



2 Support rods galvaniser steel

Galvanised steel. External diameter 12mm.
With or without M10 thread.

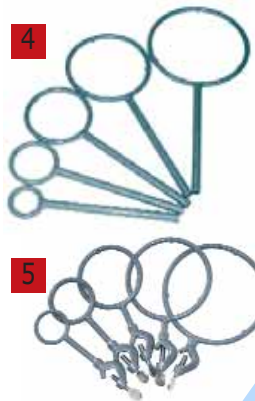
Type	Length mm	PK	Cat. No.
With thread	600	1	4.008 490
With thread	750	1	6.242 703
With thread	1000	1	4.008 491
With thread	1500	1	9.224 115
Without thread	600	1	9.224 126
Without thread	750	1	9.224 127
Without thread	1000	1	9.224 130
Without thread	1500	1	9.224 135



3 Support rods 18/10 stainless steel

18/10 stainless steel. 12mm external diameter.

Thread	Length mm	PK	Cat. No.
M 10	600	1	4.008 492
M 10	750	1	4.008 493
M 10	1000	1	4.008 494
without	600	1	9.224 226
without	750	1	9.224 227
without	1000	1	9.224 230



4 5 Support ring

Steel. With or without bosshead, as outlined below.

Juchheim Laborgeräte

Type	Ext. diam. mm	Weight g	PK	Cat. No.
without bosshead	70	157	1	6.900 428
without bosshead	100	216	1	6.900 429
without bosshead	130	230	1	6.201 068
without bosshead	160	260	1	6.900 430
without bosshead	180	346	1	6.900 761
with bosshead	70	210	1	6.076 309
with bosshead	100	236	1	9.223 900
with bosshead	130	266	1	9.223 901



6 7 Support rings

With or without bosshead, as outlined below.

Bochem

Length mm	Int. diam. mm	Material	Description	PK	Cat. No.
200	70	18/10 steel	without bosshead	1	9.225 027
220	100	18/10 steel	without bosshead	1	9.225 030
220	120	18/10 steel	without bosshead	1	9.225 033
200	70	steel zincked	without bosshead	1	6.239 507
220	100	steel zincked	without bosshead	1	6.239 804
220	130	steel zincked	without bosshead	1	6.239 822
70	70	steel zincked	with bosshead	1	9.225 081
70	100	steel zincked	with bosshead	1	6.238 844
70	130	steel zincked	with bosshead	1	7.651 881

1. General laboratory consumables

General laboratory aids/Stands, Fittings

1 Bosshead

Malleable cast iron with lacquered chrome finish. DIN 12895. With lug screw.

Jaw opening mm	PK	Cat. No.
16.5	1	9.224 254
20	1	6.225 278
36	1	6.802 614



2 Bosshead

18/10 steel. To DIN 12895. Material number 4301. Electrolytically polished, with heart screw. Angle 90°.

Jaw opening mm	PK	Cat. No.
16.5	1	9.224 252



3 Swivelling bosshead

18/10 steel. To DIN 12895. Material no. 4301. Electrolytically polished, with heart screw. Angle 0 to 360°.

Jaw opening mm	PK	Cat. No.
16.5	1	9.224 253



4 Bosshead, standard

Chrome plated cast alloy with smoothly opening distance of 0 - 15mm.

Available as 2 types:

- with fix stem that holds the objects on fixed position.
- with swivel mechanism which enables the object to freely swivel 360° and lockable at any desired angle.

Jaw opening mm	PK	Cat. No.
swivel bosshead	1	6.239 009
solid stem bosshead	1	6.238 711



5 Cross bosshead

Malleable cast iron with chrome finish. DIN 12895. 90° and 180° angle with lug screw.

Jaw opening mm	PK	Cat. No.
16.5	1	9.224 264



6 Cross bosshead

18/10 steel. To DIN 12895. Material no. 4301. Electrolytically polished, with heart screws. Opening angles 90° and 180°.

Jaw opening mm	PK	Cat. No.
16.5	1	9.224 263



7 Bossheads

Aluminium alloy or stainless steel 18/10.

Angle 180° and 90°.

Jaw opening mm	Thread	Material	Description	PK	Cat. No.
16.5	M8	Aluminium alloy	with thumb screw	1	9.224 268
16.5	M8	stainless steel 18/10	with heart screw	1	9.224 258
27	M10	Aluminium alloy	with thumb screw	1	9.224 269



8 Lightweight bosshead

Aluminium alloy. Angle 90°. With thumb screw.

Jaw opening mm	PK	Cat. No.
16.5	1	9.224 291



General laboratory aids/Stands, Fittings



1 Bosshead, malleable iron
 Double bosshead malleable iron, epoxy coated. *Juchheim Laborgeräte*

Jaw opening mm	Description	PK	Cat. No.
20	with M8 brass thumb bolt	1	9.223 902



2 Bossheads, stainless steel
 Stainless steel, electrolytically polished, for rods up to 16mm diameter. With tommy-bar screws.

Description	PK	Cat. No.
Bosshead	1	6.071 888



3 Base, flexible, zinc die casting
 Zinc die casting, nickel-plated, vinyl-coated jaws. Stem length 300mm, with 82mm diameter, heavy, stable base.

Description	Jaw opening mm	PK	Cat. No.
Three-prong, stable base	0 to 40	1	6.303 795
Curved jaws, stable base	12 to 25	1	7.605 582



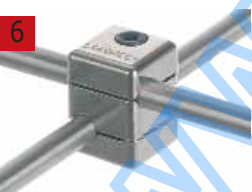
4 Clamp, flexible with bosshead, zinc die casting
 Zinc die casting, nickel-plated, vinyl-coated jaws, with revolvable sleeve. Stem length 300mm.

Description	Jaw opening mm	PK	Cat. No.
Three-prong, with revolvable sleeve	0 to 40	1	6.088 853
Round jaws, with revolvable sleeve	12 to 25	1	6.800 733



5 Cross bosshead, cast steel
 Chrome plated cast steel. Suitable for frame works and fixing perpendiculars. Can be moved vertically and horizontally along the rods.

Description	PK	Cat. No.
suitable for rods 12mm	1	9.224 278



6 Cross bosshead, right-angle format, Aluminum alloy
 LABOMECA. With hexagon socket screw. *Bochem*

Jaw opening mm	PK	Cat. No.
12 to 13 x 12 to 13	1	9.224 274



7 Bossheads, malleable cast iron, chromed
 Swivelling (360°). For M8 rods.

Jaw opening mm	PK	Cat. No.
16.5	1	6.079 307

1. General laboratory consumables

General laboratory aids/Stands, Fittings

1 Bossheads, aluminium

For M8 rods. Angle 90° and 180°.

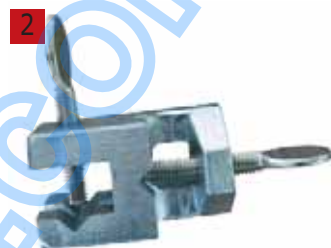
Jaw opening mm	PK	Cat. No.
13	1	6.202 021



2 Multi-purpose bosshead light alloy

Juchheim Laborgeräte

Clamping range mm	Weight g	Description	PK	Cat. No.
16	140	with M8 brass thumb bolt	1	9.223 904



Hook connector, steel/stainless steel

Hook bosshead steel, epoxy coated or stainless steel with brass pressure block.

Juchheim Laborgeräte

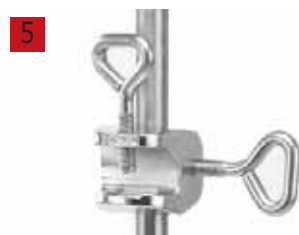
Material	Clamping range mm	Description	PK	Cat. No.
stainless steel	13	M8 stainless steel thumb bolt	1	9.223 905
steel	13	M8 brass thumb bolt	1	9.223 906



5 Scaffold bosshead, cast iron

Malleable cast iron with lacquered chrome finish. With heart screws.

Jaw opening mm	Angle	PK	Cat. No.
13	90	1	9.224 267



Clamp, 2 prongs

Chrome plated cast steel with two PVC coated prongs for gently holding the objects. Two separately adjustable clamps enable perfect control of holding pressure and precise positioning of the objects. Clamps can be opened and closed smoothly with a grip width of 0-50mm.

Available as 2 types:

- with solid stem of 12mm rod diameter, the holding angle and distance from the support rod can be adjusted by a separate bosshead.
- with swivel mechanism which enables the object to freely swivel 360° and lockable at any angle. Complete with an integral bosshead, usable for rods maximum diameter of 21mm.

Description	Jaw opening mm	PK	Cat. No.
solid stem clamp	0 to 50	1	6.237 648
swivel clamp	0 to 50	1	9.224 401



6.237 648



9.224 401

8 Three-prong clamps, aluminium

PVC-coated jaws.

Bochem

Jaw opening mm	Shaft length min. mm	PK	Cat. No.
0 to 70	140	1	6.510 909



General laboratory aids/Stands, Fittings

1


1 Retort clamps

Standard to DIN 12894. With round jaws.

Bochem

Jaw opening mm	Shaft length min. mm	Material	PK	Cat. No.
25	150	Malleable cast iron, chromed	1	9.224 470
40	150	Malleable cast iron, chromed	1	9.224 471
60	150	Malleable cast iron, chromed	1	9.224 472
80	180	Steel, zinc coated	1	6.306 164

2


2 Support clamps

18/10 steel. DIN 12984. Prongs with cork and round jaws.

Bochem

Clamping range mm	Shaft length min. mm	PK	Cat. No.
25	150	1	9.224 425
40	150	1	9.224 440
60	150	1	9.224 460

3


3 Clamps, malleable iron

Stand clamp rounded jaws, malleable iron, epoxy coated. To DIN 12894.

Juchheim Laborgeräte

Clamping range mm	Weight g	PK	Cat. No.
25	180	1	6.800 204
40	204	1	6.200 398
60	310	1	6.800 126

4


4 5 Retort clamps

Flexible shaft, nickel-plated.

Bochem

5


Jaw opening mm	Description	Shaft length mm	Material	PK	Cat. No.
0 to 30	Finger with silicone coating	220	Alu-alloy	1	6.303 841
40	Finger with cork	290	18/10 steel	1	6.300 995

6


6 Clamps, retort, 3-prong, stainless steel

Isolab

Manufactured from chrome plated cast steel with two prongs which are PVC coated for gentle hold of the objects. Two separately adjustable clamps enables perfect control of holding pressure and precise positioning of the objects. Clamps can be opened and closed smoothly with a grip width of 0-70 mm.

With solid stem of 12 mm rod diameter with the holding angle and distance from the support rod can be adjusted by a separate bosshead.

With swivel mechanism which enables the object freely swivel 360° and lockable at any desired angle. Complete with an integral bosshead usable for rods maximum diameter of 21 mm.

Description	Jaw opening mm	Figure	PK	Cat. No.
solid stem clamp	0 - 70	a	1	6.242 700
swivel clamp	0 - 70	b	1	6.243 690

7


7 Retort clamp

18/10 stainless steel. 3-prong with plastic covered jaws.

Bochem

Jaw opening mm	Shaft length min. mm	PK	Cat. No.
0 to 120	150	1	9.224 445

1. General laboratory consumables

General laboratory aids/Stands, Fittings

1 Beaker and flask clamp

18/10 steel. 4 prong with silicone covered jaws.

Bochem

Jaw opening	Shaft length min.	PK	Cat. No.
mm	mm		
0 to 120	150	1	9.224 448



2 Micro-clamps, die-cast zinc

DIN 12894, form A. Die-cast zinc, powder coated. With angular jaws.

Bochem

Jaw opening	PK	Cat. No.
mm		
10 to 25	1	9.224 307



3 Micro clamp

Lacquered green finish. Malleable cast iron. Prongs with cork.

Bochem

Type	Jaw opening	Shaft length min.	PK	Cat. No.
	mm	mm		
1	15	150	1	9.224 330



Micro clamps, with cork or silicone

18/10 steel. Cork/silicone*coated jaws.

Bochem

Type	Jaw opening	Shaft length	PK	Cat. No.
	mm	mm		
1	15	150	1	9.224 310
2	15	150	1	9.224 311
3*	0 to 20	150	1	9.224 312



9.224 310



9.224 311



9.224 312

7 Universal clamp, with cork

Prongs with cork.

Bochem

Jaw opening	Shaft length	Material	PK	Cat. No.
mm	mm			
0 to 80	180	Aluminium, DIN pattern	1	9.224 501
0 to 80	150	18/10 steel	1	9.224 502



8 Burette and thermometer clamp

'Automatic'. Sprung-clip jaws with chrome-plated shaft.

Bochem

Jaw opening	Shaft length	PK	Cat. No.
mm	mm		
0 to 25	115	1	9.224 320



9 Burette and thermometer clamp

'Automatic'. Sprung-clip jaws with attached chrome-plated bosshead for 13.5mm max. diameter rods.

Bochem

Jaw opening	Length	PK	Cat. No.
mm	mm		
0 to 25	100	1	9.224 322



General laboratory aids/Stands, Fittings



1 Chain clamp, steel/zinced

Chain 70cm, silicone coating.

Bochem

Jaw opening	Shaft length	PK	Cat. No.
mm	mm		
50 to 160	250	1	6.079 772



2 Condenser clamp, malleable iron

Condenser clamp moveable support rod, malleable iron, epoxy coated.

Juchheim Laborgeräte

Jaw opening	Weight	PK	Cat. No.
mm	g		
85 mm	480	1	9.223 907



3 Condenser clamp, malleable cast iron, chromed

Swivel type, silicone coated.

Bochem

Jaw opening	Shaft length	PK	Cat. No.
mm	mm		
50 to 100	150	1	6.070 044



4 Three-prong clamp, malleable iron

Malleable iron with epoxy coating for 1 burette

Juchheim Laborgeräte

Jaw opening	Weight	PK	Cat. No.
mm	g		
0 - 30	140	1	9.223 915



5 Burette clamps, nickel plated brass

Burette clamp with boss, nickel plated brass, for 1 burette.

Juchheim Laborgeräte

Jaw opening	Weight	PK	Cat. No.
mm	g		
0 - 40	180	1	9.223 916



6 Burette clamps, nickel plated brass

Burette clamp with boss, nickel plated brass, for 2 burettes.

Juchheim Laborgeräte

Jaw opening	Weight	PK	Cat. No.
mm	g		
0 - 40	180	1	9.223 917



7 Burette roller clamp, steel

Burette roller clamp with boss, for 1 burette, epoxy coated.

Juchheim Laborgeräte

Jaw opening	Weight	PK	Cat. No.
mm	g		
0 - 30 mm	220	1	9.223 918



8 Burette roller clamp, steel

Burette roller clamp with boss, for 2 burettes, epoxy coated.

Juchheim Laborgeräte

Jaw opening	Weight	PK	Cat. No.
mm	g		
0 - 30 mm	380	1	9.223 919

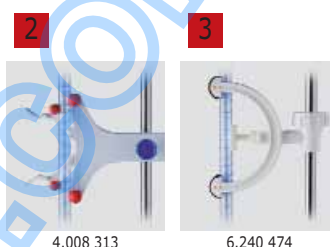
1. General laboratory consumables

General laboratory aids/Stands, Fittings-Batteries

1 Burette holders, aluminium			
For two burettes. With bosshead. Distance between rollers 170mm. PVC rollers. Bochem			
Jaw opening mm	PK	Cat. No.	
0 to 13	1	6.076 204	



Burette clamp			
- Metal burette clamps are made out of steel and can hold one burette at a time. Graduations and meniscus line of the burette are clearly visible. They can be used on support rods of 8-14mm diameter. - Polypropylene burette clamp can hold one burette at a time. Graduations and meniscus line of the burette are clearly visible. They can be used on support rods of 10-12mm diameter.			
Description	PK	Cat. No.	
Burette clamp, metal	1	4.008 313	2
Burette clamp, PP	1	6.240 474	3



4 Alkaline Batteries, Energizer Industrial			
Best performance for industrial, medical and laboratory applications.			
Type	Volt	PK	Cat. No.
LR14/EN93/C/Baby	1.5	12	9.012 921
LR6/EN91/AA	1.5	10	9.012 939
LR03/EN92/AAA/Micro	1.5	10	9.012 944
LR20/EN95/D/Mono	1.5	12	9.012 922
6LR61/EN522/9V/E-Block	9.0	12	9.012 923



5 Alkaline Special Batteries Energizer			
For a variety of measuring devices; thermometers, digital balances, pocket calculators, watches, timers etc.			
Type	Volt	PK	Cat. No.
A76/LR44/13GA	1.5	2	9.012 932
EPX76/SR44	1.5	2	9.012 933
189/LR54/10GA	1.5	2	9.012 934



Lithium Photo Batteries Energizer			
For temperatures from -40°C to +60°C.			
Type	Volt	PK	Cat. No.
EL123AP/CR17345	3.0	1	9.012 935
ELCR2AP	3.0	1	9.012 936
EL223AP/CRP2	6.0	1	9.012 937
EL2CR5AP/2CR5	6.0	1	9.012 938



8 Lithium coin cells Energizer (Batteries)			
For a variety of meters, thermometers, digital balances, pocket calculators, watches, timers etc.			
Type	Volt	PK	Cat. No.
CR2032	3.0	1	9.012 971
CR2025	3.0	1	9.012 972
CR2016	3.0	1	9.012 973
CR1025	3.0	1	9.012 974
CR1220	3.0	1	9.012 975
CR1620	3.0	1	9.012 976



General laboratory aids/Batteries-Accessories for electrical device

1


9.012 945

2


9.012 927

Rechargeable NiMH batteries Energizer Profi

- rapid recharging
- no memory effect
- ecologically friendly
- economical

Type	Current mAh	Volt	PK	Cat. No.
HR6/AA/Mignon	2000	1.2	4	9.012 925
HR6/AA/Mignon	2300	1.2	2	9.012 945 1
HR22/9V/E-Block	175	8.4	1	9.012 927 2

3


3 Universal Charger Energizer

- For NiCd and NiMH cells
- Accommodates 1 to 4 round batteries, sizes AA/AAA/C or D, and 2 x 9V square batteries
- Detects chemistry, capacity and inappropriate batteries
- Suitable for use in European countries with Schuko plug

Type	PK	Cat. No.
Universal battery charger	1	9.012 977

4


4 1 hr Charger, Energizer

(NEW!)

This 1 hr rapid charger with universal voltage for worldwide use is the ideal travel companion. With 4 separate LED lights for each charging channel to conveniently manage charging status. Energy Star certified logo, indicating an energy saving, efficient chargers.

- For Mignon and Micro batteries
- Charges 1 to 4 "AA" or "AAA" NiMH rechargeable batteries at a time
- Includes 4 x AA 2300mAh AA batteries, ready to use (already pre-charged and ready to use).
- Polarity protection
- Charging status LED, trickle charge
- with EU plug and car charger

Type	PK	Cat. No.
1 hr Charger	1	6.264 647

5


9.726 000

5 Adaptor plugs, Swiss and UK

(NEW!)

9.726 000: Adapter plug with earthing contact from plug with earthing contact and additional earthing socket to British version 13 A, with fine-wire fuse 3, 5 or 13 A ("non rewirable")

9.726 001: One-way plug adapter from plug with additional earthing contact (CEE 7) to plug Swiss version type 12 ("non rewirable")

Type	PK	Cat. No.
with adapter UK	1	9.726 000 5
with adapter CH	1	9.726 001

6


6 LLG-Laboratory Power Failure Detector

- Alarm is reported immediately visually and acoustically
- Reports alarm even for short power outages or for a period of at least 12 hours (can be switched off manually)
- Plug safety cover offers protection against accidentally pulling the plug
- Maximum total power of connected devices. 3500W power supply 230V 50Hz
- Suitable for European plugs
- Max. Rating 16 A
- With built-in battery

Scope of supply:

- 1 x power failure detector
- 2 x plug safety caps
- 2 x screws

Type	PK	Cat. No.
LLG-Laboratory Power Failure Detector	1	6.255 819

1. General laboratory consumables

General laboratory aids/Bags, Foils

1 Aluminium foil

Suitable for a wide range of laboratory applications, sealing, wrapping and forming temporary containers.

Description	Length	Width	Thickness	PK	Cat. No.
	m	mm	µm		
Short roll	20	300	13	1	9.106 013
Short roll	10	450	15	1	9.106 015
Dispenser box	150	450	15	1	9.106 102
Dispenser box	100	300	13	1	9.106 103
Refilling roll	150	450	15	1	9.106 104
Dispenser box	100	500	30	1	9.106 105
Short roll	10	300	15	1	9.106 106
Short roll	10	300	30	1	9.106 107
Roll	200	500	50	1	9.106 205



2 Aluminium Pop-up sheets

Embossed pure aluminium foils, extremely tare resistant

- Handy for everyday use
 - Heat-resistant up to 600°C
 - Air-tight and a barrier to light
 - Dimensions (sheet): 230 mm x 270 mm
- 200 sheets in a box

Description	PK	Cat. No.
Box à 200 sheets	1	6.230 318



3 Round aluminium discs

Interleaved with tissue paper. Foil thickness 0.03mm

Diam. mm	PK	Cat. No.
80	1000	9.106 208
100	1000	9.106 210
120	1000	9.106 212
130	1000	9.106 213
150	1000	9.106 215



4 Aluminium containers, round

Capacity ml	Top diam. mm	Bottom diam. mm	Fill height mm	PK	Cat. No.
28	64	51	13	100	9.106 240
110	80	56	34	100	9.106 241
110	99	70	25	100	9.106 242
125	96	78	24	100	9.106 261
280	114	58	50	50	9.106 263



Aluminium containers, square

With lid.

Capacity ml	Dimensions top (D x W) mm	Dimensions bottom (D x W) mm	Fill height mm	PK	Cat. No.
250	103 x 128	67 x 93	34	100	6.226 802
500	127 x 191	92 x 156	29	60	9.106 266



9.106 266

General laboratory aids/Bags, Foils



1 LLG-Surface protector DescProtect

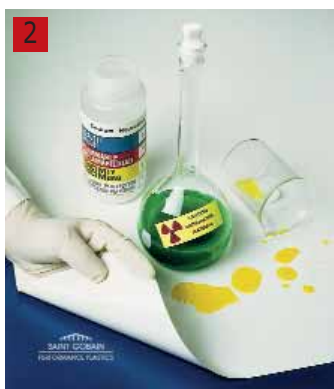
DescProtect is a durable paper which quickly absorbs liquid spills. The PE-coated base layer stops liquids reaching the work surface.

- stays flat, does not ripple or curl to de-stabilise vessels
- white surface can be written on using pens or pencils
- rapid absorption of liquid spills
- excellent fluid protection
- no contamination of work surfaces or laboratory cabinets
- suitable for school laboratories, wet chemistry, industry

Surface protection paper with two layers:

- Layer 1: Highly absorbent carrier paper, sucks up spilled toxic or radioactive liquids quickly
- Layer 2: Wetness impermeable polyethylene layer, protection for lab workbenches, trays or chemical cabinets
- Additional advantages: impermeable cover in animal cages, ideal in humidity chambers for atmospheric regulation

Type	Size	PK	Cat. No.
Sheets	460mm x 570mm	50	9.160 270
Spool	400mm x 50m	1	9.160 271



2 Bytac® Bench protectors

Saint Gobain

Bytac® Bench protectors, FEP Film with Vinyl or Aluminum Backing.

Inert to most chemicals - Non-stick; easy to clean - Use to resurface bench tops and line fume hoods.

Contrasting work surface for viewing color changes during titrations.

Protects surfaces against absorption of radioactive chemicals.

Vinyl backing is recommended for all applications up to 93°C

Aluminium foil-backing is resistant to high temperatures up to 182°C for up to one hour

Width mm	Length m	Description	PK	Cat. No.
635	4.6	FEP/Vinyl	1	9.106 300
320	4.6	FEP/Vinyl	1	6.267 458
100	33.0	FEP/Vinyl	1	6.267 459
50	33.0	FEP/Vinyl	1	6.267 460
25	33.0	FEP/Vinyl	1	6.267 461
635	4.6	FEP/Alu	1	9.106 310
320	4.6	FEP/Alu	1	6.225 629
100	33.0	FEP/Alu	1	6.267 462
50	33.0	FEP/Alu	1	6.267 463
25	33.0	FEP/Alu	1	6.267 464



3 Benchkote surface protector®

GE Healthcare

The upper side consists of a particularly absorbent filter paper, the lower side is a non-permeable, chemically resistant PE layer. This combination makes Benchkote into a protective paper

with a particularly high wet strength for universal use, helping to meet the requirements of

Good Laboratory Practice (GLP):

- Completely absorbs escaped liquids
- Prevents spills from reaching the workbench
- Protects against contamination

Applications:

- Surface protection for lab workbenches, trays or chemical cabinets
- Contamination protection, e. g. in isotope or bacteriological labs
- Adsorption of toxic or radioactive substances
- Hygienic protection in animal cages
- Atmospheric regulation in humidity chambers

Type	Width mm	Length m	PK	Cat. No.
Pack of loose sheets	460	0.57	50	9.106 280
Roll	460	5	1	9.106 284
Roll	920	5	1	9.106 286
Pad of sheets	460	0.57	1	9.106 287
Sheets	600	0.50	50	9.106 278
Roll	600	5	1	9.106 279

1. General laboratory consumables

General laboratory aids/Bags, Foils

1 Bench protector, Labmat™

Labmat™ Bench Liner speeds clean-up and safeguards work surfaces from stains, spills and wear. Highly absorbent upper surface. Flexible polyethylene film backing is non-skid and prevents soak-through of most solutions. Simply roll up and discard after contamination. Easily cut custom size sheets. Color: white

Bel-Art Products



Type	Width mm	Length m	PK	Cat. No.
Bench protector, Lab Mat™	508	15.2	1	9.106 288

2 Desk protector, cork

Made from natural agglomerated cork which can be easily cleaned. Non-allergenic, anti-fungal, anti-bacterial and antistatic material. Heat and erosion resistant and also reduces noise and vibration.

NEW!
Isolab

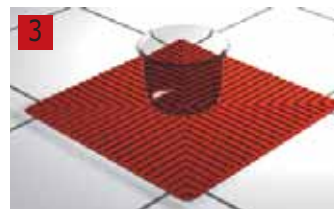


Dimensions mm	PK	Cat. No.
200 x 200 x 10	1	6.267 409
300 x 300 x 10	1	6.267 410

3 Laboratory mats

- non-slip
- silicone
- withstands temperatures up to 260°C
- available in black or red

Deutsch & Neumann



Colour	Dimensions mm	PK	Cat. No.
Red	250 x 250	1	9.390 090
Black	250 x 250	1	9.390 091
Red	350 x 350	1	9.390 092
Black	350 x 350	1	9.390 093

4 Impulse generator polystar® 120 GE

For impulse heat sealing tongs 9.106 837 and 9.106 838.
 Electric current requirement: 3.7A max.
 Power consumption: approx. 0.1kW/hr
 Supply requirements: 220V 50Hz



Description	Dimensions (W x D x H) mm	PK	Cat. No.
Impulse generator polystar® 120 GE	246 x 195 x 135	1	6.261 006

Impulse heat sealing tongs polystar® 120 GE

Double impulse heating. LED readout allows a visual check on the sealing progress. Pressure switch triggers the welding process. A special pressure switch for generating the heat impulse guarantees constant welding results. Includes 3m connection cable.

Type	Length*	Weight g	PK	Cat. No.
200 D	200	750	1	9.106 837
300 D	300	800	1	9.106 838

* Seal length max. (mm)

5 Plastic film, rolls

Transparent. PE. Supplied in 25m rolls. Other widths are available on request.



Thickness mm	Width mm	PK	Cat. No.
0.05	80	1	9.106 508
0.05	100	1	9.106 510
0.05	150	1	9.106 515
0.05	200	1	9.106 520
0.05	250	1	9.106 525
0.05	300	1	9.106 530
0.10	80	1	9.106 538
0.10	100	1	9.106 540
0.10	150	1	9.106 545
0.10	200	1	9.106 550
0.10	250	1	9.106 555
0.10	300	1	9.106 560

General laboratory aids/Bags, Foils

1


1 SAROGOLD® foil

Extra-strong foil. PVC-based. Good barrier properties protects the user against contact with dangerous substances (e.g. ethidium bromide or contaminated isotopes) from the sealed material and it is therefore suitable for covering sequencing gels in Electrophoresis applications.

Ideal characteristics for use:

- does not stick, easy to unravel
- with cutter
- non-flammable
- self-extinguishing
- microwaveable

Specifications

Film thickness:	11.5µm
Permeability in the visible area:	90%
UV-filtering:	300Å
IR-permeability:	88%
Width:	300mm
Length:	300m

Type	PK	Cat. No.
SAROGOLD® foil	1	9.106 460

2


2 Cling film Toppits®

- easy to use and better adhesion
- Our best freshness protection
- slight initial determination
- very easy to roll
- particularly strong
- With time beginning Finder
- Tear-off cap box with stable
- Role of fixation for easy rolling

Width mm	Length m	PK	Cat. No.
320	20	1	9.106 450

3


3 Freezer bags

Polar One. With tear-resistant seam.

Capacity Litres	Width mm	Length mm	PK	Cat. No.
1	190	240	40	9.033 251
3	250	320	30	9.033 252
6	290	470	20	9.033 253

4


4 LLG-Disposal bags, PE

Transparent. PE. Without seal.

Width mm	Length mm	Thickness mm	PK	Cat. No.
100	150	0.05	100	9.404 128
150	200	0.05	100	9.404 130
200	350	0.05	100	9.404 140
250	400	0.05	100	9.404 150
250	400	0.10	100	9.404 151
300	500	0.05	100	9.404 152
300	500	0.10	100	9.404 153

➔ For sterile bags - please see page 511.

1. General laboratory consumables

General laboratory aids/Bags, Foils

1 LLG-Pressure-seal bags with write on patch, PE

Transparent. PE. With rim channel seal that can be opened and closed repeatedly, and write-on patch.

Width mm	Length mm	Thickness mm	PK	Cat. No.
40	60	0.05	100	9.404 176
70	100	0.05	100	9.404 173
80	120	0.05	100	9.404 179
100	150	0.05	100	9.404 171
120	170	0.05	100	9.404 172
160	220	0.05	100	9.404 177
200	300	0.05	100	9.404 178



2 LLG-Pressure-seal bags, PE

Transparent. PE. With rim channel seal that can be opened and closed repeatedly.

Width mm	Length mm	Thickness mm	PK	Cat. No.
80	120	0.05	100	9.404 160
100	150	0.05	100	9.404 161
120	170	0.05	100	9.404 162
150	220	0.05	100	9.404 163
180	250	0.05	100	9.404 164
200	300	0.05	100	9.404 165
220	310	0.05	100	6.304 307
250	350	0.05	100	9.404 166
300	400	0.05	100	9.404 167



3 Sealing tape PetriSeal/ContainerSeal

An ideal Sealing Tape for Petri Dishes, Microplates, Lids, Caps and other Lab Items. Tape stretches, conforms and seals the irregular perimeter of microtiter plates and petri dishes. Tape and adhesive resist most solvents and caustic agents. Seal remains flexible in moderate freezer temperatures and withstands intermittent exposure to 100°C. Waterproof. *Heathrow Scientific*

Colour	Width mm	PK	Cat. No.
Blue	13	1	9.170 057
Clear	13	1	9.170 058
Red	13	1	9.170 059
White	13	1	9.170 060
Yellow	13	1	9.170 061
Red	19	1	9.170 051
White	19	1	9.170 052
Yellow	19	1	9.170 053
Red	25	1	9.170 054
White	25	1	9.170 055
Yellow	25	1	9.170 056



4 PARAFILM® M sealing film

Can be stretched up to 200% and clings around irregular shapes and surfaces. Parafilm® M is resistant to many polar substances such as saline solutions, inorganic acids and alkaline solutions for up to 48 hours (After this time it may become brittle). Parafilm® M conforms to general FDA requirements if used below 55°C.

Parafilm® M data

Toxicity	Non-toxic
Melting temperature:	60°C
Burning point:	301°C
Continued use temperature:	-45°C to +50°C
Stretching ability:	200%
Elongation at tear:	300%
Gas permeability over 24 hours at 23°C and 50% relative air humidity	
O ₂ (Oxygen):	less than 350cm ³ /m ²
N ₂ (Nitrogen):	less than 105cm ³ /m ²
CO ₂ (Carbon dioxide):	less than 1100cm ³ /m ²
Steam permeability over 24 hrs. at 37°C and 90% relative air humidity:	0.8g/m ²



Type	Width mm	Length m	PK	Cat. No.
PARAFILM® M	50	75	1	9.170 003
PARAFILM® M	100	38	1	9.170 002
PARAFILM® M	100	75	1	9.170 005
PARAFILM® M	500	15	1	9.170 004

General laboratory aids/Bags, Foils-Greases



1 LLG-Dispenser for PARAFILM® M, orange, ABS

(NEW)

PARAFILM® M feeds through easily and is easy to cut using the safety cutting device.
For rolls with width up to 100mm.

Type	PK	Cat. No.
PARAFILM® M dispenser, ABS	1	9.170 006

PARAFILM® M dispenser

PARAFILM® M feeds through easily and is easy to cut using the safety cutting device. For rolls up to 100mm wide.

Type	PK	Cat. No.
PARAFILM® M dispenser, Plexiglas®	1	9.170 000 2
PARAFILM® M dispenser, plastic	1	9.170 010 3



9.170 000



9.170 010



4 PTFE spray

In canister.

Capacity ml	PK	Cat. No.
400	1	9.220 980



5 Silicone separating agent AK

To aid the separation of 'frozen' ground glass connections and lubricate stirrer bearings etc.
Supplied in a spray as outlined below.

Capacity ml	PK	Cat. No.
200	1	9.220 990



6 Gas leak detection fluid

DIN 30657 gas, trace and leak detection fluid. Non-allergenic, non-toxic and odourless. Suitable for all pressure ranges. Non-flammable and therefore suitable for all technical gases such as ammonia, argon and other noble gases, freon, carbon dioxide, coal gas, compressed air, propane, oxygen, nitrogen, water etc. Propellant-free. Unpressurised canister. Flash-point greater than 50°C. Unlimited shelf life. Tested and approved under DIN-DVGW-No. NG to 5170 AN 0456

Type	PK	Cat. No.
Gas leak detection fluid	1	9.110 010
Sprayhead	1	9.110 011