

#### 1 LLG-Porcelain filter crucibles, DIN 12909

Glazed, with porous bottom.

Capacity ml	Ext. diam. mm	Height mm	Pore size µm	PK	Cat. No.
8	25	28	6	1	9.052 080
8	25	28	7	1	9.052 081
8	25	28	8	1	9.052 082
15	30	35	6	1	9.052 083
15	30	35	7	1	9.052 084
15	30	35	8	1	9.052 085
25	35	40	6	1	6.233 176
25	35	40	7	1	6.233 748
25	35	40	8	1	9.052 086
35	40	43	6	1	9.052 087
35	40	43	7	1	9.052 088
35	40	43	8	1	9.052 089
50	45	50	6	1	9.052 090
50	45	50	7	1	9.052 091
50	45	50	8	1	9.052 092

1



#### 2 Filter crucibles, VitraPOR®, borosilicate glass 3.3

For analytical filtration in laboratories.

ROBU

- Resistant to acids, alkalis and solvents
- Temperature resistant up to 540 °C
- With numbering

Capacity ml	Diam. mm	Porosity	PK	Cat. No.
15	23	1	1	9.052 060
15	23	2	1	9.052 061
15	23	3	1	9.052 062
15	23	4	1	9.052 063
15	23	5	1	9.052 064
30	30	0	1	6.087 623
30	30	1	1	9.052 036
30	30	2	1	9.052 037
30	30	3	1	9.052 038
30	30	4	1	9.052 039
30	30	5	1	9.052 040
30	30	ASTM Coarse	1	4.671 417
30	30	ASTM Fine	1	6.273 460
50	40	0	1	6.280 506
50	40	1	1	9.052 041
50	40	2	1	9.052 042
50	40	3	1	9.052 043
50	40	4	1	9.052 044
50	40	5	1	9.052 065
50	40	ASTM Coarse	1	7.982 409
50	40	ASTM Fine	1	7.971 642

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#### 3 Filter-Crucibles VitraPOR®, CFE, Borosilicate Glass 3.3

For crude fibre extraction in common systems with numbering.

ROBU

The filter discs of the CFE crucibles have an improved sintering hardness to withstand the chemical load in the analytical processes.

Capacity ml	Diam. mm	Porosity	PK	Cat. No.
30	34	1	1	6.204 827
30	34	2	1	6.302 168
30	34	3	1	6.203 889

3



## Filtration/Filtration apparatus



### 1 Filter crucibles, DURAN®

With sintered glass filter disc at base, as outlined below.  
Glass Type I/neutral glass as per USP, EP and JP. Autoclavable.

DWK Life Sciences

Capacity ml	Diam. mm	Porosity	PK	Cat. No.
30	36	1	1	9.052 021
30	36	2	1	9.052 022
30	36	3	1	9.052 023
30	36	4	1	9.052 024
30	36	5	1	9.052 025
50	46	1	1	9.052 031
50	46	2	1	9.052 032
50	46	3	1	9.052 033
50	46	4	1	9.052 034



### 2 Rubber sleeves, EPDM



Deutsch & Neumann

For filter crucibles. Temperature resistant up to 150 °C. Autoclavable.

Diam. mm	PK	Cat. No.
26	1	9.052 114
33	1	9.052 121
41	1	9.052 126
49	1	9.052 131



### 3 Adapters for filter crucibles, borosilicate glass 3.3

Borosilicate glass 3.3, autoclavable.

ROBU

Diam. mm	Stem diam. mm	PK	Cat. No.
34	10	1	9.052 213
40	10	1	9.052 214
50	10	1	9.052 215



### 4 Adapters for filter crucibles, Duran®

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

DWK Life Sciences

Diam. mm	Height mm	PK	Cat. No.
27	108	1	9.052 216
34	110	1	9.052 222
41	125	1	9.052 226
50	132	1	9.052 232



### 5 Filter holders, DURAN®

DURAN®. Dismountable, modular filter holders with screwthreaded top manifold, PP funnel outlet and two FKM seals. Accessory sintered filter discs (9.052 941 to 9.052 954) are screwed in between two FKM seals. The filter discs are easy to replace. Membrane or paper filters can be stretched across the disc. Filter plates must be ordered separately.

DWK Life Sciences

Capacity ml	Plate diam. mm	Thread diam. mm	PK	Cat. No.
30	24	28	1	9.052 903
250	50	54	1	9.052 905
1000	90	95	1	9.052 910

➔ Exhaust Device please see page 1271.

#### 1 Filter holders, glass, top manifold only, DURAN®

DURAN®. For use in dismountable filter holders. With screwthread, without PP outlet funnel, filter disc or FKM rubber seals.

DWK Life Sciences

Capacity ml	Thread diam. mm	PK	Cat. No.
30	28	1	9.052 913
250	54	1	9.052 915
1000	95	1	9.052 920



#### 2 Filter discs, DURAN®

With glass rim. For use in dismountable filter holders. Patented design. Filter discs must always be screwed in between two FKM rubber seals. Without top manifold, PP outlet funnel or seals.

DWK Life Sciences

Plate diam. mm	Porosity	PK	Cat. No.
24	1	1	9.052 941
24	2	1	9.052 942
24	3	1	9.052 943
24	4	1	9.052 944
50	1	1	9.052 951
50	2	1	9.052 952
50	3	1	9.052 953
50	4	1	9.052 954
90	1	1	9.052 961
90	2	1	9.052 962
90	3	1	9.052 963
90	4	1	9.052 964



#### 3 Filter discs, VitraPOR®

Surfaces untreated, round centered. Further sizes and bi-plane ground are available online.

**NEW**  
ROBU

Plate diam. mm	Thickness mm	Porosity	PK	Cat. No.
30	3,5 ± 0,8	2	1	6.072 553
30	3,5 ± 0,8	3	1	6.201 347
30	3,5 ± 0,8	4	1	6.259 302
30	3,5 ± 0,8	Fine	1	4.671 418
60	5,0 ± 1,1	2	1	4.671 419
60	5,0 ± 1,1	3	1	4.671 421
60	5,0 ± 1,1	4	1	6.267 343
60	5,0 ± 1,1	Fine	1	4.671 422
90	6,5 ± 1,5	2	1	4.671 423
90	6,5 ± 1,5	3	1	4.671 424
90	6,5 ± 1,5	4	1	4.671 425
90	6,5 ± 1,5	Fine	1	4.671 426
120	8,5 ± 1,9	2	1	6.262 268
120	8,5 ± 1,9	3	1	4.671 427
120	8,5 ± 1,9	4	1	4.671 428
120	8,5 ± 1,9	Fine	1	4.671 429



#### 4 FKM seals

For use in dismountable filter holders.

DWK Life Sciences

For diam. mm	PK	Cat. No.
24	1	9.052 923
50	1	9.052 925
90	1	9.052 930



## Filtration/Filtration apparatus



### 1 Slotted sieve disc (perforated plate) DURAN®

Can be used in the 250ml capacity dismountable filter holder as a carrier for membrane and paper filters.

DWK Life Sciences

Plate diam.	PK	Cat. No.
mm		
48	1	9.052 901



### 2 Filter funnels VitraPOR®, Borosilicate glass 3.3

Borosilicate glass 3.3, with sintered disc filter as outlined below. Autoclavable.

ROBU

Capacity	Diam.	Stem diam.	Porosity	PK	Cat. No.
ml	mm	mm			
50	36	10	1	1	9.052 367
50	36	10	2	1	9.052 368
50	36	10	3	1	9.052 369
50	36	10	4	1	9.052 370
75	48	10	1	1	9.052 371
75	48	10	2	1	9.052 372
75	48	10	3	1	9.052 373
75	48	10	4	1	9.052 374
125	60	10	1	1	9.052 375
125	60	10	2	1	9.052 376
125	60	10	3	1	9.052 377
125	60	10	4	1	9.052 378
250	80	18	1	1	9.052 066
250	80	18	2	1	9.052 067
250	80	18	3	1	9.052 068
250	80	18	4	1	9.052 069
500	95	22	1	1	9.052 379
500	95	22	2	1	9.052 380
500	95	22	3	1	9.052 381
500	95	22	4	1	9.052 382
1000	124	22	1	1	9.052 383
1000	124	22	2	1	9.052 384
1000	124	22	3	1	9.052 385
1000	124	22	4	1	9.052 386
4000	180	30	1	1	9.052 387
4000	180	30	2	1	9.052 388
4000	180	30	3	1	9.052 389
4000	180	30	4	1	9.052 390



### 3 Filter funnels, glass DURAN®

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

DWK Life Sciences

Capacity	Diam.	Stem diam.	Height	Porosity	PK	Cat. No.
ml	mm	mm	mm			
50	35	10	130	1	1	9.052 301
50	35	10	130	2	1	9.052 302
50	35	10	130	3	1	9.052 303
50	35	10	130	4	1	9.052 304
50	35	10	130	5	1	9.052 305
75	45	10	132	1	1	9.052 311
75	45	10	132	2	1	9.052 312
75	45	10	132	3	1	9.052 313
75	45	10	132	4	1	9.052 314
75	45	10	132	5	1	9.052 315
125	60	10	140	1	1	9.052 321
125	60	10	140	2	1	9.052 322
125	60	10	140	3	1	9.052 323
125	60	10	140	4	1	9.052 324
125	60	10	140	5	1	9.052 325
500	95	22	240	1	1	9.052 331
500	95	22	240	2	1	9.052 332
500	95	22	240	3	1	9.052 333
500	95	22	240	4	1	9.052 334
500	95	22	240	5	1	9.052 335
1000	120	22	270	1	1	9.052 341
1000	120	22	270	2	1	9.052 342
1000	120	22	270	3	1	9.052 343
1000	120	22	270	4	1	9.052 344
1000	120	22	270	5	1	9.052 345
4000	175	30	425	1	1	9.052 361
4000	175	30	425	2	1	9.052 362
4000	175	30	425	3	1	9.052 363
4000	175	30	425	4	1	9.052 364

## 6. Distillation, separation, filtration Filtration/Filtration apparatus

### 1 Filter funnels, glass DURAN®, conical

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

DWK Life Sciences

Capacity: 25 mm  
 Diameter: 55 mm  
 Plate diameter: 25 mm  
 Stem diameter: 8 mm  
 Height: 100 mm

Type	Porosity	PK	Cat. No.
39D	3	1	9.052 453
39D	4	1	9.052 454



### 2 Slotted sieve filter funnels (Buchner funnels), DURAN®

Buchner pattern funnel with slotted sieve (perforated) filter plate.  
 Glass Type I/neutral glass as per USP, EP and JP. Autoclavable.

DWK Life Sciences

Capacity	Diam.	Stem	Height	PK	Cat. No.
ml	mm	diam. mm	mm		
70	48	10	132	1	9.252 022
125	60	10	140	1	9.252 028
220	73	18	190	1	9.252 034
500	95	22	240	1	9.252 044
1000	120	22	270	1	9.252 054



### 3 LLG Buchner funnels, porcelain

For filterpaper diam.	Capacity	PK	Cat. No.
mm	ml		
45	35	1	6.239 903
55	70	1	6.237 328
70	120	1	6.231 541
90	240	1	9.252 500
110	400	1	9.252 501
125	600	1	9.252 502
150	1000	1	9.252 503
185	2000	1	9.252 504
240	4000	1	9.252 505
295	7000	1	9.252 506



### 4 Buchner funnels, porcelain

To DIN 12905.

Haldenwanger

For filter diam.	Capacity	DIN	PK	Cat. No.
mm	ml			
18	3		1	9.252 018
27	10		1	9.252 027
40	25		1	6.078 858
45	50	12905	1	9.252 045
55	75	12905	1	9.252 055
70	135	12905	1	9.252 070
90	290	12905	1	9.252 090
110	580	12905	1	9.252 110
125	795	12905	1	9.252 125
150	1250	12905	1	9.252 150
185	1900	12905	1	9.252 185
240	4300	12905	1	9.252 240
270	5800	12905	1	9.252 270
320	10600	12905	1	9.252 320



## Filtration/Filtration apparatus



### 1 Buchner funnels, PTFE

**NEW**

BOLA



Chemically resistant and temperature resistant from -200 to 250 °C. FDA conform. Autoclavable.

For filterpaper diam. mm	Capacity ml	PK	Cat. No.
45	50	1	4.668 557
55	75	1	4.668 558
70	135	1	4.668 559
90	390	1	4.668 560



### 2 Filter funnels, PP, Buchner

Kartell



PP. Two-piece construction. Top and bottom sections can be separated. Easy to clean. Autoclavable. Suitable for foodstuff.

For filterpaper diam. mm	Capacity ml	PK	Cat. No.
42.5	40	1	9.252 330
55	70	1	9.252 331
70	180	1	9.252 332
80	285	1	9.252 333
90	390	1	9.252 334
110	810	1	9.252 335
160	2100	1	9.252 338
240	6000	1	9.252 339



### 3 Protective collars, EPDM.

For filter flasks.

Special design centres the funnel and flask and provides stable support for funnels, filters and manifolds placed on them. A clean seal is made between the flask rim and container placed on it. Application of the vacuum provides a tight seal. Also provides all-round protection for glass filter flask rims, significantly reducing impact damage and extending working life.

For bottles ml	Diam. mm	Height mm	PK	Cat. No.
100	23	11	1	9.052 391
250, 500	33	15	1	9.052 392
1000	44	25	1	9.052 393
2000, 3000	58	25	1	9.052 394
5000, 10000	68	25	1	9.052 395



### 4 Rubber Spacers (GuKo), natural rubber

Deutsch & Neumann

Rubber Spacers, made of natural rubber (NR). Conical, to fit filter funnels or crucibles into suction flasks. Durometer 40 Shore A

Top diam. mm	Bottom diam. mm	Height mm	Wall thickness mm	Colour	PK	Cat. No.
21	12.0	18	2.5	grey	1	9.052 412
27	17.0	20	3.0	grey	1	9.052 417
33	21.0	24	3.0	grey	1	9.052 423
41	27.5	27	4.0	grey	1	9.052 427
53	33.0	34	5.0	grey	1	9.052 432
68	48.0	35	5.5	grey	1	9.052 436
78	58.0	35	6.0	grey	1	9.052 439
89	66.0	40	6.5	grey	1	9.052 443
33	21.0	24	3.0	red	1	6.079 121
41	27.5	27	4.0	red	1	6.071 789
53	33.0	34	5.0	red	1	6.078 202
68	48.0	35	5.5	red	1	6.071 787
78	58.0	35	6.0	red	1	6.071 788
89	66.0	40	6.5	red	1	6.070 153

#### 1 Set of rubber spacers (GuKo), natural rubber

Comprises of 5, 7 or 8 Gukos with an external lower diameter of 12 mm, 17 mm, 21 mm, 27.5 mm, 33 mm, 48 mm, 58 mm and 66 mm each. Hardness 40 Shore A.

Deutsch & Neumann

1



Type	Colour	PK	Cat. No.
1-5, 5-parts	grey	1	6.077 882
1-7, 7-parts	grey	1	6.077 417
1-8, 8-parts	grey	1	9.052 400
1-5, 5-parts	red	1	6.078 144
1-7, 7-parts	red	1	6.078 145
1-8, 8-parts	red	1	6.077 415

#### Vacuum Adapter, PTFE

For safe assembly of standard filter funnels made of glass or plastic on laboratory bottles. With lateral 2-step hose connector for connection to a vacuum pump. Pass-through with O-ring made of FKM. FDA conform. Chemikally resistant. Autoclavable.

BOLA

#### Specifications

Temperature range: -15 - 200 °C  
 2-step hose connector (outer diam. 1/outer diam. 2): 9 mm/12 mm

#### 2 Vacuum Adapter GL, PTFE

**NEW**

BOLA

2



For funnel outlet diam. mm	For thread size GL	PK	Cat. No.
22	45	1	6.273 897

#### 3 Vacuum Adapter NS, PTFE

**NEW**

BOLA

3



For funnel outlet diam. mm	Joint size (NS)	PK	Cat. No.
8	14/23	1	4.670 724
11	19/26	1	4.670 725
22	29/32	1	6.273 419
22	45/40	1	4.670 723

#### 4 Filter flasks, Erlenmeyer shape, borosilicate glass 3.3

According to ISO 6556 standards. The glass side arm or the Polypropylene side arm is suitable to work with 6 mm to 10 mm hose diameters. The Polypropylene side arm has a screw thread connector for easy and safe fitting of the tubing.

ISOLAB

4



Capacity ml	lateral connection	PK	Cat. No.
100	glass	1	4.008 437
250	glass	1	6.241 652
500	glass	1	6.241 291
1000	glass	1	6.239 008
2000	glass	1	4.008 438
100	PP	1	4.008 439
250	PP	1	6.237 706
500	PP	1	6.237 707
1000	PP	1	6.237 708
2000	PP	1	6.242 170

#### 5 Filter flasks, Erlenmeyer shape, DURAN®

DIN 12476. ISO 6556. With PBT tubing connection and silicone (VMQ) seal. Heavy wall for vacuum use. These filtering flasks fulfil the regulations of the equipment and product safety regulations.

DWK Life Sciences

5



Capacity ml	Diam. mm	Neck diam. mm	Height mm	PK	Cat. No.
100	64	24	105	1	9.051 424
250	85	34	155	1	9.051 436
500	105	34	185	1	9.051 444
1000	135	45	230	1	9.051 454
2000	166	60	255	1	9.051 455



## Filtration/Filtration apparatus

**1**

**1** Filter flasks, bottle shape, DURAN®

**NEW**

DIN 12476. ISO 6556. With PBT tubing connection and silicone (VMQ) seal. Heavy wall for vacuum use. These filtering flasks fulfil the regulations of the equipment and product safety regulations.

DWK Life Sciences

Capacity	Diam.	Neck diam.	Height	PK	Cat. No.
ml	mm	mm	mm		
3000	170	58	295	1	9.051 456
5000	185	68	360	1	9.051 457
10000	240	70	420	1	9.051 458
15000	257	70	500	1	9.051 459
20000	290	70	535	1	9.051 460

**2**

**2** DURAN® Filtering Flask with Glass Hose Connection, Erlenmeyer shape


DWK Life Sciences

Due to the heavy wall thickness the apparatus is vacuum-tight.

Capacity	Diam.	Neck diam.	Height	PK	Cat. No.
ml	mm	mm	mm		
100	64	24	105	1	9.051 201
250	85	34	155	1	9.051 202
500	105	34	185	1	9.051 205
1000	135	45	230	1	9.051 210
2000	166	60	255	1	9.051 220

**3**

**3** Filter flasks, glass DURAN®

DIN 12476. ISO 6556. Erlenmeyer shape. Heavy wall, for vacuum use. With ground 17.5/26 socket for vacuum tubing with 15 mm to 18 mm external diameter. These filtering flasks fulfil the regulations of the "equipment and product safety regulations".

DWK Life Sciences

Capacity	Diam.	Neck diam.	Height	PK	Cat. No.
ml	mm	mm	mm		
250	85	34	155	1	9.051 236
500	105	34	185	1	9.051 244
1000	135	45	230	1	9.051 254
2000	166	60	255	1	9.051 263

**4**

**4** Filter flasks with side-arm socket, glass DURAN®

Bottle shape. Heavy wall, for vacuum use. With ground 17.5/26 socket for vacuum tubing with 15 mm to 18 mm external diameter. These filtering flasks fulfil the regulations of the "equipment and product safety regulations".

DWK Life Sciences

Capacity	Diam.	Neck diam.	Height	PK	Cat. No.
ml	mm	mm	mm		
3000	170	58	295	1	9.051 268
5000	185	68	360	1	9.051 273
10000	240	70	420	1	9.051 286
15000	255	70	500	1	9.051 288
20000	290	70	535	1	9.051 291

**5**

**5** Filter flask DURAN®

Witt-pattern. Complete with interchangeable, flat-ground jointed, tube lid with cone, and plastic flexible tubing connection on one side. Vacuum resistant.

DWK Life Sciences

DN	Height	Lid	PK	Cat. No.
	mm			
100	160	29/32	1	9.051 519
150	200	29/32	1	9.051 531
200	300	29/32	1	7.022 240
100	160	45/40	1	9.051 619
150	200	45/40	1	9.051 631