

VWR® GLASSWARE

Beakers and bottles

Dishes and vials

Flasks

Filtration/separation products

Desiccators

Pasteur pipettes

Test tubes

Weighing

Volumetric glassware and titration



**designed for
every day use**

VWR GLASSWARE

VWR glassware is produced from high quality borosilicate 3.3 glass (table 1), according to the international standard DIN ISO 3585. This glass is ideal for almost all laboratory applications as it has excellent chemical, high temperature and thermal shock resistance.

As VWR glassware has a high degree of chemical resistance to water, acids, saline solutions, alkaline solutions and organic substances, only hydrofluoric acid, strong alkaline solutions at higher temperature or hot, concentrated phosphoric acid can cause surface removal of the glass.

Due to its low coefficient of thermal expansion VWR borosilicate 3.3 glassware can withstand temperatures up to 500 °C and is extremely resistant against rapid temperature changes. The annealing point of this borosilicate 3.3 glass is 560 °C.

Substance	% by weight
SiO ₂	80
B ₂ O ₃	13
Na ₂ O ₃	4
Al ₂ O ₃	2
K ₂ O	1



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VWR® calibrated glassware - Page 25

VWR volumetric glassware is produced from glass tubing of the same high quality borosilicate 3.3 benefits of chemical and thermal resistance. This production method also means that the glassware has a very even wall thickness leading to less breakage. VWR volumetric glassware is conformity certified and is available in different accuracy classes:

Class A and class AS: Highest accuracy class means these measuring instruments are calibrated within very tight tolerances. The tolerances for both classes are identical but class AS pipettes and burettes are designed to permit a faster outflow than class A products with a waiting time of 15 seconds. Both class A and AS products are delivered with batch certificate that shows

the mean value of the tested production batch. They **cannot** be delivered with single certificate.

Class B: The accuracy of class B measuring instruments is approximately half the accuracy of class A/AS measuring instruments. These products are ideal for educational use. Class B products are **not** delivered with batch certificate.

VWR Collection volumetric glassware is either calibrated to contain ('In', measuring flasks and measuring cylinders) or to deliver ('Ex', 'TD', pipettes and burettes). All products are calibrated at a room temperature of 20 °C.

CARE FOR YOUR VWR GLASSWARE

- Cleaning: Can be cleaned with common detergents in a dishwasher
- Sterilisation: Can be steam-sterilised at max. 134 °C, 2 bar for 20 minutes
- Autoclaving: Can be autoclaved at 134 °C for 20 minutes
- Freezing: Down to -40 °C, glass vessels should not be more than ¾ filled with liquid



THESE SYMBOLS INDICATE IMPORTANT PRODUCT FEATURES:

SYMBOLS



Warranty



Autoclavable



Sustainable

Beakers



Beakers, low form

Borosilicate 3.3 glass, with spout.

- Very good chemical resistance
- High temperature resistance
- Autoclavable
- Volume graduations and labelling area.

The economical alternative for a wide range of laboratory applications.

DIN 12331, ISO 3819



Capacity (ml)	Height (mm)	O.D. (mm)	Pk	Cat. No.
25	50	34	10	213-1120
50	60	42	10	213-1121
100	70	50	10	213-1122
150	80	60	10	213-1123
250	95	70	10	213-1124
400	110	80	10	213-1125
600	125	90	10	213-1126
800	135	100	10	213-1127
1000	145	105	10	213-1128
2000	185	130	4	213-0469
3000	210	150	1	213-1130
5000	270	170	1	213-1131
10000	350	217	1	213-1132

Beakers, tall form

Borosilicate 3.3 glass, with spout.

- Very good chemical resistance
- High temperature resistance
- Autoclavable
- Volume graduations and labelling area.

The economical alternative for a wide range of laboratory applications.

DIN 12331, ISO 3819



Capacity (ml)	Height (mm)	O.D. (mm)	Pk	Cat. No.
50	70	38	10	213-1169
100	80	48	10	213-1170
150	95	54	10	213-1171
250	120	60	10	213-1172
400	130	70	10	213-1173
600	150	80	10	213-1174
800	175	90	10	213-1175
1000	180	95	10	213-1176
2000	240	135	6	213-0470
3000	280	135	1	213-1178

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Beakers, low form, heavy duty

Borosilicate 3.3 glass, with spout.

- Resistant against chemicals and thermal shock
- Durable matt finish marking area and white graduated scale
- Spout designed for optimum performance

Heavy duty beakers have better mechanical stability than the standard products due to thicker walls. The reinforced rims increase shock resistance and reduce the risk of breakage. Due to the increased wall thickness resistance against rapid temperature changes is not as good that of the standard product, therefore, slow, uniform heating is recommended.



Capacity (ml)	Height (mm)	O.D. (mm)	Pk	Cat. No.
50	60	42	10	213-0462
100	70	50	10	213-0476
150	80	60	10	213-0477
250	95	70	10	213-0478
400	110	80	10	213-0479
600	125	90	8	213-0480
1000	145	105	6	213-0481

Laboratory bottles, round



Borosilicate 3.3 glass, with PP screw cap and pouring ring.

- Very good chemical resistance
- High temperature resistance
- Minimal thermal expansion, giving relatively high resistance to temperature changes

The economical alternative for a wide range of laboratory applications. Round, with graduations, DIN GL 32 or GL45 thread.

ISO 4796



Capacity (ml)	Thread	Ø ext. (mm)	Height (mm)	Pk	Cat. No.
100	GL 45	56	100	10	215-1592
250	GL 45	70	138	10	215-1593
500	GL 45	86	176	10	215-1594
1000	GL 45	101	225	10	215-1595
2000	GL 45	136	260	1	215-1596
5000	GL 45	181	330	1	215-0057
10000	GL 45	227	410	1	215-0058
20000	GL 45	288	505	1	215-0059

Bottles



Laboratory bottles, round, amber



Amber borosilicate 3.3 glass with PP screw cap and pouring ring.

- Very good chemical resistance
- High temperature resistance
- Minimal thermal expansion, giving relatively high resistance to temperature changes

The economical alternative for a wide range of laboratory applications. Round, with graduations, DIN GL 45 thread, pouring ring and blue PP screw cap. Amber coloured to protect light-sensitive materials.

ISO 4796

Capacity (ml)	Thread	Ø ext. (mm)	Height (mm)	Pk	Cat. No.
100	GL 45	56	100	1	215-2325
250	GL 45	70	138	1	215-2326
500	GL 45	86	176	1	215-2327
1000	GL 45	101	225	1	215-2328
2000	GL 45	136	260	1	215-2329
5000	GL 45	182	300	1	215-2330
10000	GL 45	227	410	1	215-2337
20000	GL 45	288	505	1	215-2338

Laboratory bottles, wide neck

Borosilicate 3.3 glass, clear or amber with screw cap and pouring ring.

- Very good chemical resistance, high temperature resistance
- 80 mm opening allows easy cleaning
- Minimal thermal expansion giving relatively high resistance to temperature changes

The large opening can accommodate even large volume funnels giving easy access to scoops or spatulas. Amber to protect light-sensitive materials.



Capacity (ml)	WxDxH (mm)	Pk	Cat. No.
Clear glass			
500	94x94x139	1	215-3743
1000	105x105x185	1	215-3744
2000	115x115x258	1	215-3745
5000	160x160x357	1	215-3746
Amber glass			
500	94x94x139	1	215-3747
1000	105x105x185	1	215-3748
2000	115x115x258	1	215-3749
5000	160x160x357	1	215-3773



Reagent bottles, narrow neck



Produced from borosilicate 3.3 glass according to ISO 4796.

- High resistance against chemicals and thermal shock
- Available in capacities from 10 to 2000 ml
- Hollow glass stopper and ground joint

VWR® reagent bottles, with narrow neck, have a precise ground neck to ensure a water- and airtight connection between the bottle and the glass stopper. All components are made from borosilicate 3.3 glass, therefore, they are ideal for the storage of aggressive and hot media.

Capacity (ml)	NS	Pk	Cat. No.
10	10/19	1	215-3859
25	12/21	1	215-3860
50	14/23	1	215-3861
100	14/23	1	215-3862
250	19/26	1	215-3863
500	24/29	1	215-3864
1000	29/32	1	215-3865
2000	29/32	1	215-3866

Dropping bottles

Soda-lime glass, amber.

- Good chemical and physical properties
- Delivered in practical safe trays
- Pipette kit not included

Amber to protect light-sensitive substance, with DIN 18 thread.



Description	Capacity (ml)	Pk	Cat. No.
Dropping bottles			
Bottle only	5	340	215-3816
Bottle only	10	198	215-3817
Bottle only	15	156	215-3818
Bottle only	20	143	215-3819
Bottle only	30	110	215-3820
Bottle only	50	144	215-3821
Bottle only	100	90	215-3822
Pipette kit with blue bulb			
Pipette kit for 5 ml dropping bottles	-	100	215-3823
Pipette kit for 10 and 15 ml dropping bottles	-	100	215-3824
Pipette kit for 20 ml dropping bottles	-	100	215-3825
Pipette kit for 30 ml dropping bottles	-	100	215-3826
Pipette kit for 50 ml dropping bottles	-	100	215-3827
Pipette kit for 100 ml dropping bottles	-	100	215-3828

Dishes



Dishes, evaporating



Borosilicate 3.3 glass, with spout.

- Very good chemical resistance
- High temperature resistance up to +500 °C
- Minimal thermal expansion, giving relatively high resistance to temperature changes

The economical alternative for a wide range of applications. With flat bottom and white labelling area.

DIN 12336

Capacity (ml)	Height (mm)	Ø ext. (mm)	Pk	Cat. No.
10	20	40	1	216-0083
15	25	50	1	216-0084
45	30	60	1	216-0085
60	35	70	1	216-0086
90	45	80	1	216-0087
170	55	95	1	216-0088
320	65	115	1	216-0089
600	80	140	1	216-0090
1500	100	190	1	216-0091
2500	130	230	1	216-0092

Dishes, crystallising



Borosilicate 3.3 glass, with or without spout.

- Very good chemical resistance
- High temperature resistance up to +500 °C
- Minimal thermal expansion, giving relatively high resistance to temperature changes

The economical alternative for a wide range of applications. With white labelling area.

DIN 12337 (without spout)

DIN 12338 (with spout)



Ø ext. (mm)	Height (mm)	Capacity (ml)	Pk	Cat. No.
Without spout				
40	25	20	1	216-0061
50	30	40	1	216-0063
60	35	60	1	216-0065
70	40	100	1	216-0067
80	45	150	1	216-0069
95	55	300	1	216-0071
115	65	500	1	216-0073
140	75	900	1	216-0075
190	90	2000	1	216-0077
230	100	3500	1	216-0079
With spout				
40	25	20	1	216-0060
50	30	40	1	216-0062
60	35	60	1	216-0064
70	40	100	1	216-0066
80	45	150	1	216-0068
95	55	300	1	216-0070
115	65	500	1	216-0072
140	75	900	1	216-0074
190	90	2000	1	216-0076
230	100	3500	1	216-0078



Sample vials

Soda-lime glass, clear.

- Ideal for the storage of medication as liquids, powders or capsules
- Not suitable for heat applications

Delivery information: Delivered in practical safe trays. PE snap-caps are included.

Capacity (ml)	ØxH (mm)	Colour	Pk	Cat. No.
3	19x30	Clear	200	216-1758
5	19x40	Clear	200	216-1759
10	22x45	Clear	200	216-1760
25	30x50	Clear	200	216-1770
30	28x75	Clear	200	216-1776
40	30x80	Clear	200	216-1777
50	30x100	Clear	200	216-1778
100	34x145	Clear	100	216-1782

Sample vials, with snap-caps

Soda-lime glass, amber.

- Ideal for the storage of medication as liquids, powders or capsules
- Used for light-sensitive liquids
- White snap-caps are impervious to ultraviolet light
- Not suitable for heat applications

Delivery information: Delivered in practical safe trays. PE snap-caps are included.



Type	Capacity (ml)	ØxH (mm)	Colour	Pk	Cat. No.
With snap-cap	3	19x30	Amber	200	216-1843
With snap-cap	5	19x40	Amber	200	216-1844
With snap-cap	10	22x45	Amber	200	216-1845
With snap-cap	25	30x50	Amber	200	216-1846
With snap-cap	30	28x75	Amber	200	216-1847
With snap-cap	40	30x80	Amber	200	216-1848
With snap-cap	50	30x100	Amber	200	216-1849
With snap-cap	100	34x145	Amber	100	216-1851

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Erlenmeyer flasks

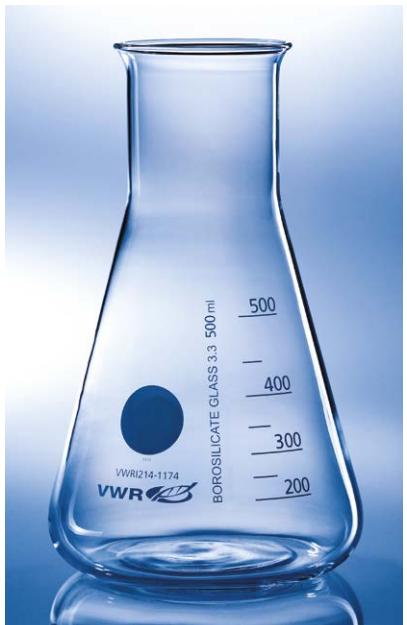
Borosilicate 3.3 glass, clear.

- Narrow or wide neck, with beaded rim
- Very good chemical resistance
- High temperature resistance
- Minimal thermal expansion, giving relatively high resistance to temperature changes

The economical alternative for a wide range of laboratory applications. Flasks have flared rim with markings for approximate volume graduations and a white labelling area.

ISO 1773 (narrow neck), DIN ISO 24450 (wide neck)

Capacity (ml)	Height (mm)	Ø ext. (mm)	Neck Ø ext. (mm)	Pk	Cat. No.
Narrow neck					
25	75	42	22	10	214-0248
50	90	51	22	10	214-1130
100	105	64	22	10	214-1131
250	145	85	34	10	214-1132
500	180	105	34	10	214-1133
1000	220	131	42	10	214-1134
2000	280	166	50	6	214-0471
3000	310	187	50	1	214-1136
5000	365	220	50	1	214-1137
Wide neck					
50	85	51	34	10	214-1170
100	105	64	34	10	214-1171
250	140	85	50	10	214-1172
300	156	87	50	10	214-1173
500	175	105	50	10	214-1174
1000	220	131	50	10	214-1175
2000	280	153	69	6	214-0472



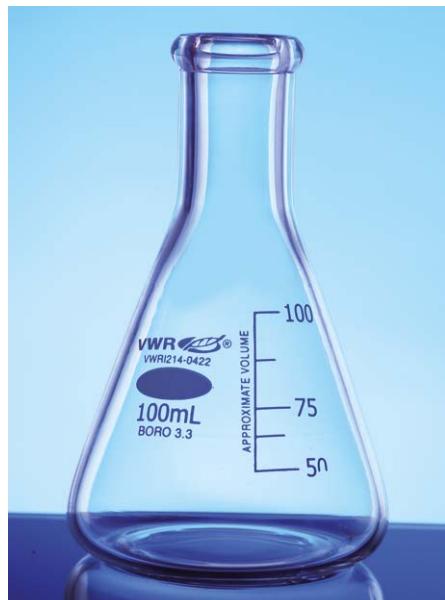
Erlenmeyer flasks, narrow neck, heavy duty

Made from borosilicate 3.3 glass.

- Resistant against chemicals and thermal shock
- Volume graduations and labelling area

Heavy duty flasks have better mechanical stability than standard products due to thicker walls. The reinforced rims increase shock resistance and reduce the risk of breakage. Due to the increased wall thickness resistance against rapid temperature changes is not as good as those of the standard products, therefore, slow and uniform heating is recommended.

Capacity (ml)	Height (mm)	Ø ext. (mm)	Neck Ø ext. (mm)	Pk	Cat. No.
50	85	51	34	10	214-0421
100	105	64	34	10	214-0422
250	140	85	50	10	214-0423
500	175	105	50	10	214-0424
1000	220	131	50	10	214-0425





Erlenmeyer flasks, with standard ground joint



Borosilicate 3.3 glass, clear.

- Very good chemical resistance
- High temperature resistance
- Minimal thermal expansion giving relatively high resistance to temperature changes

A good value alternative for a wide range of laboratory applications. Volume graduations and labelling area.

DIN 12387

Capacity (ml)	Height (mm)	Ø ext. (mm)	Socket size (NS)	Pk	Cat. No.
25	70	42	14/23	2	201-1385
50	85	51	14/23	2	201-1386
50	85	51	24/29	2	201-1362
50	85	51	29/32	2	201-1387
100	105	84	14/23	2	201-1388
100	105	84	19/26	2	201-1389
100	105	84	24/29	2	201-1363
100	105	84	29/32	2	201-1390
200	131	79	24/29	2	201-1369
200	131	79	29/32	2	201-1391
250	140	85	24/29	2	201-1370
250	140	85	29/32	2	201-1392
300	156	87	24/29	2	201-1372
300	156	87	29/32	2	201-1393
500	175	105	24/29	2	201-1373
500	175	105	29/32	2	201-1394
1000	220	131	29/32	1	201-1395

Erlenmeyer flasks with screw cap



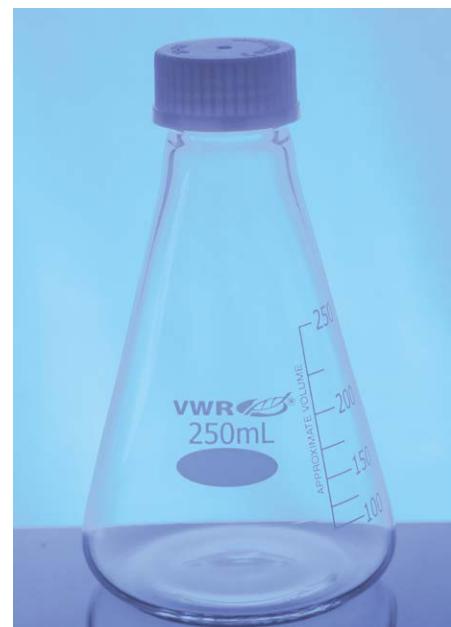
Borosilicate 3.3 glass, blue PP screw cap with PTFE liner.

- Highly resistant against chemicals and thermal shock
- Graduations and white inscription field
- Delivered with blue PP screw cap

Ideal for storage or transportation of dangerous liquids. They are leakproof and can be autoclaved together with the screw cap at 140 °C.

Be aware that the screw cap should not be closed during the autoclaving process.

Capacity (ml)	Ø ext. (mm)	Thread	Pk	Cat. No.
50	51	GL 25	1	214-0407
100	64	GL 25	1	214-0408
150	74	GL 25	1	214-0409
250	85	GL 32	1	214-0410
500	105	GL 32	1	214-0411
1000	131	GL 32	1	214-0412



Borosilicate 3.3 glass

Many items imprinted with
Cat. No. for easy reordering

Flasks



Flasks, round bottom, narrow or wide neck



Borosilicate 3.3 glass, clear.

- Very good chemical resistance
- High temperature resistance
- Minimal thermal expansion, giving relatively high resistance to temperature changes

The economical alternative for a wide range of applications. Marked with capacity and a white labelling area.

ISO 1773 (narrow neck)

DIN 12347 (wide neck)

Capacity (ml)	Height (mm)	Ø ext. (mm)	Neck Ø ext. (mm)	Pk	Cat. No.
Narrow neck					
100	110	64	26	1	214-1177
250	143	85	34	1	214-1178
500	168	105	34	1	214-1179
1000	200	131	42	1	214-1180
2000	240	166	50	1	214-1181
Wide neck					
100	110	64	34	1	214-1182
250	143	85	50	1	214-1183
500	168	105	50	1	214-1184
1000	200	131	50	1	214-1185
2000	240	166	76	1	214-1186

Flasks, round bottom with standard ground joint



Borosilicate 3.3 glass, clear.

- Very good chemical resistance
- High temperature resistance
- Minimal thermal expansion giving relatively high resistance to temperature changes

The inexpensive alternative for a wide range of laboratory applications. With white labelling area and imprinted catalogue number for convenient reordering.

DIN 12348

Capacity (ml)	Socket size (NS)	Height (mm)	Ø ext. (mm)	Pk	Cat. No.
10	14/23	65	33	2	201-1351
25	14/23	85	41	2	201-1352
25	24/29	85	41	2	201-1321
50	14/23	90	51	2	201-1353
50	24/29	90	51	2	201-1322
50	29/32	90	51	2	201-1354
100	14/23	105	64	2	201-1355
100	24/29	105	64	2	201-1326
100	29/32	105	64	2	201-1356
250	24/29	140	85	2	201-1342
250	29/32	140	85	2	201-1357
500	24/29	163	105	2	201-1343
500	29/32	163	105	2	201-1358
1000	29/32	200	131	1	201-1359



Flask support ring shown is not included



Flasks, flat bottom, narrow or wide neck



Borosilicate 3.3 glass, clear.

- Very good chemical resistance
- High temperature resistance
- Minimal thermal expansion giving relatively high resistance to temperature changes

Marked with capacity and a white labelling area.

ISO 1773 (narrow neck)

DIN 12347 (wide neck)

Capacity (ml)	Height (mm)	Neck Ø ext. (mm)	Ø ext. (mm)	Pk	Cat. No.
Narrow neck					
100	105	26	64	1	214-1187
250	138	34	85	1	214-1188
500	163	34	105	1	214-1189
1000	190	42	131	1	214-1190
2000	230	50	166	1	214-1191
Wide neck					
100	105	34	64	1	214-1192
250	138	50	85	1	214-1193
500	163	50	105	1	214-1194
1000	190	50	131	1	214-1195
2000	230	76	166	1	214-1196

Glass stoppers for standard ground joints



Borosilicate 3.3 glass.

- Hollow, with hexagonal grip
- Trip-tip to help liquid to return to the vessel until the last drop
- Resistant against chemicals and thermal shock

DIN 12252.

Socket size (NS)	Pk	Cat. No.
10/19	5	217-0887
12/21	5	217-0888
14/23	5	217-0889
19/26	5	217-0890
24/29	5	217-0891
29/32	5	217-0892
34/35	2	217-0893
45/40	2	217-0894



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- Sleeves and clips
- Grease



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Flasks, flat bottom with standard ground joint



Borosilicate 3.3 glass, clear.

- Very good chemical resistance
- High temperature resistance
- Minimal thermal expansion giving relatively high resistance to temperature changes

The inexpensive alternative for a wide range of laboratory applications. With white labelling area and imprinted catalogue number for convenient reordering.

DIN 12348

Capacity (ml)	Height (mm)	Ø ext. (mm)	Socket size (NS)	Pk	Cat. No.
50	85	51	24/29	2	201-1344
50	85	51	29/32	2	201-1380
100	103	64	24/29	2	201-1348
100	103	64	29/32	2	201-1381
250	130	85	24/29	2	201-1360
250	130	85	29/32	2	201-1382
500	160	105	24/29	2	201-1361
500	160	105	29/32	2	201-1383
1000	187	131	29/32	1	201-1384

Flasks, round bottom, with two necks and standard ground joints



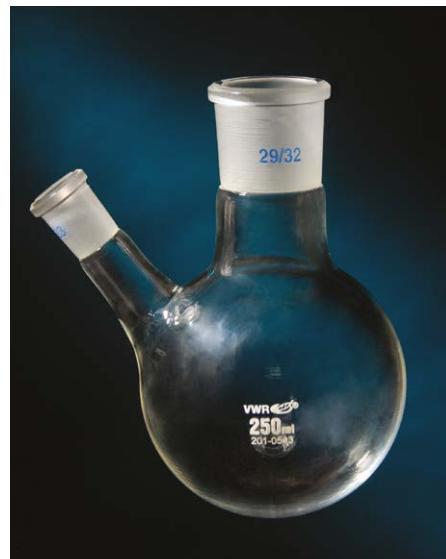
Borosilicate 3.3 glass, clear, with angled side neck, clear.

- Very good chemical resistance
- High temperature resistance
- Minimal thermal expansion giving relatively high resistance to temperature changes

The inexpensive alternative for a wide range of laboratory applications. With white labelling area and imprinted catalogue number for convenient reordering.

DIN 12394

Capacity (ml)	Centre neck (NS)	Side necks (NS)	Pk	Cat. No.
25	14/23	14/23	1	201-0540
50	14/23	14/23	1	201-0541
100	29/32	14/23	1	201-0542
250	29/32	14/23	1	201-0543
500	29/32	14/23	1	201-0544
1000	29/32	14/23	1	201-0545



Flasks, round bottom, with three necks and standard ground joints



Borosilicate 3.3 glass, clear, with two angled side necks.

- Very good chemical resistance
- High temperature resistance
- Minimal thermal expansion giving relatively high resistance to temperature changes

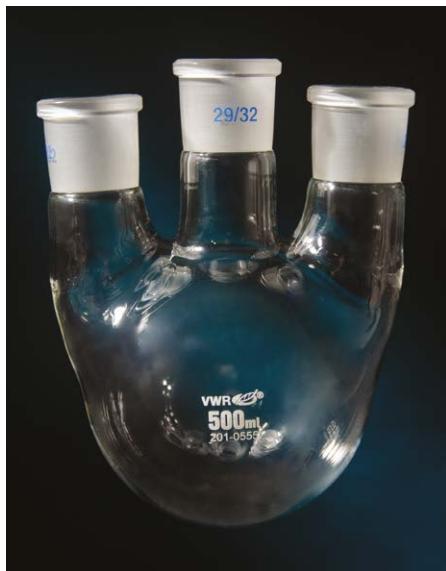
The inexpensive alternative for a wide range of laboratory applications. With white labelling area and imprinted catalogue number for convenient reordering.

DIN 12394

Capacity (ml)	Centre neck (NS)	Side necks (NS)	Pk	Cat. No.
50	14/23	14/23	1	201-0546
100	29/32	14/23	1	201-0547
250	29/32	14/23	1	201-0548
500	29/32	14/23	1	201-0549
1000	29/32	14/23	1	201-0552



Flasks, round bottom with three necks and standard ground joints



Borosilicate 3.3 glass, clear, with two parallel side necks.

- Very good chemical resistance
- High temperature resistance
- Minimal thermal expansion giving relatively high resistance to temperature changes

The inexpensive alternative for a wide range of laboratory applications. With white labelling area and imprinted catalogue number for convenient reordering.

DIN 12394

Capacity (ml)	Centre neck (NS)	Side necks (NS)	Pk	Cat. No.
100	29/32	29/32	1	201-0553
250	29/32	29/32	1	201-0554
500	29/32	29/32	1	201-0555
1000	29/32	29/32	1	201-0556
2000	29/32	29/32	1	201-0557

Cork rings for round bottom flasks

The ideal rest for round bottom flasks and other round bottom glass vessels. Compressed cork, natural.

- Economical and from a renewable resource
- Lightweight, tough
- Good thermal resistance



For (ml)	Ø ext. (mm)	Pk	Cat. No.
10 - 100	80	5	217-1000
250 - 500	110	5	217-1001
500 - 1000	140	3	217-1002
2000	170	3	217-1003
4000	210	2	217-1004
6000	240	2	217-1005



Borosilicate 3.3 glass

Many items imprinted with Cat. No. for easy reordering

Glass beads

Soda-lime glass, solid.

- Not suitable for heat applications
- Available in sizes from 1 up to 10 mm
- Supplied in packs of 500 g

Can be used for many different applications in the laboratory. In microbiology laboratories they are used for the production of single cell suspensions or for plating. In chemical laboratories they are used as filling material for distillation columns. They can also be used to clean round bottom vessels.



Ø (mm)	Pk	Cat. No.
1,0 - 1,3	500 g	201-1251
2,0	500 g	201-1252
3,0	500 g	201-1253
4,0	500 g	201-1254
5,0	500 g	201-1255
6,0	500 g	201-1256
7,0	500 g	201-1257
8,0	500 g	201-1258
9,0	500 g	201-1259
10,0	500 g	201-1260



Funnels, long stem

Borosilicate 3.3 glass.

- Very good chemical resistance
- High temperature resistance
- Minimal thermal expansion, giving relatively high resistance to temperature changes

Smooth internal walls.

ISO 4798

Stem O-Ø (mm)	Stem length (mm)	Pk	Cat. No.
65	150	2	221-0172
80	150	2	221-0173
110	180	2	221-0174

Funnels, short stem



Borosilicate 3.3 glass.

- Very good chemical resistance
- High temperature resistance
- Minimal thermal expansion giving relatively high resistance to temperature changes

Smooth internal walls.

ISO 4798

Funnel O-Ø (mm)	Stem O-Ø (mm)	For filter Ø (mm)	Stem length (mm)	Pk	Cat. No.
35	6	45 - 55	35	2	221-0175
45	6	55 - 70	45	2	221-0176
55	8	70 - 90	55	2	221-0177
70	8	110 - 125	70	2	221-0178
80	10	125 - 150	80	2	221-0179
100	10	150 - 185	100	2	221-0180
120	16	185 - 240	120	2	221-0181
150	18	240 - 270	150	2	221-0182



Funnels, powder



Borosilicate 3.3 glass.

- Good chemical and physical properties
- Very good thermal resistance
- Quick and easy to clean

Smooth internal walls. For transferring powders or liquids.

Funnel O-Ø (mm)	Stem O-Ø (mm)	Stem length (mm)	Pk	Cat. No.
50	20	30	2	221-0183
60	20	30	2	221-0184
80	25	30	2	221-0185
100	25	30	2	221-0186
120	30	30	2	221-0187
160	35	30	2	221-0188



Separating funnels, conical

Borosilicate 3.3 glass, with NS-PE stopper.

- With or without graduations
- Stopcock with PTFE key
- Very good chemical and temperature resistance

Capacity (ml)	Socket size (NS)	Pk	Cat. No.
Without graduation, with PTFE key			
50	19/26	1	532-0006
100	19/26	1	532-0007
250	29/32	1	532-0008
500	29/32	1	532-0009
1000	29/32	1	532-0010
2000	29/32	1	532-0011
With graduation, with PTFE key			
50	19/26	1	532-0012
100	19/26	1	532-0013
250	29/32	1	532-0014
500	29/32	1	532-0015
1000	29/32	1	532-0016
2000	29/32	1	532-0017

Separating funnels, Squibb

Borosilicate 3.3 glass with NS-PE stopper.

- With or without graduations
- Stopcock with PTFE key
- Very good chemical and temperature resistance



Capacity (ml)	Socket size (NS)	Pk	Cat. No.
Without graduation, with PTFE key			
50	19/26	1	532-0018
100	19/26	1	532-0019
250	29/32	1	532-0020
500	29/32	1	532-0021
1000	29/32	1	532-0022
2000	29/32	1	532-0023
With graduation, with PTFE key			
50	19/26	1	532-0024
100	19/26	1	532-0025
250	29/32	1	532-0026
500	29/32	1	532-0027
1000	29/32	1	532-0028
2000	29/32	1	532-0029



Dropping funnels, cylindrical, without pressure balance

Borosilicate 3.3 glass.

- Ground glass cone for flasks and assemblies
- PTFE key stopcock and PP stopper
- Very good chemical resistance
- High temperature resistance
- Minimal thermal expansion giving relatively high resistance to temperature changes

PTFE key stopcock for non stick, grease-free performance.

ISO 4800

Capacity (ml)	Cone size (NS)	Socket size (NS)	Pk	Cat. No.
50	14/23	14/23	1	201-1238
50	29/32	29/32	1	201-1239
100	14/23	14/23	1	201-1240
100	29/32	29/32	1	201-1241
250	29/32	29/32	1	201-1242
500	29/32	29/32	1	201-1243
1000	29/32	29/32	1	201-1244

Dropping funnels, cylindrical, with pressure balance

Borosilicate 3.3 glass.

- Standard taper joint top and bottom, drip stem, pressure-equalising arm
- PTFE key stopcock and plastic stopper
- Very good chemical resistance
- Very good temperature resistance

Drip stem does not extend beyond joint, thereby eliminating possible source of breakage. PTFE key for grease-free performance.

Capacity (ml)	Cone size (NS)	Socket size (NS)	Pk	Cat. No.
50	24/23	24/23	1	201-1245
50	29/32	29/32	1	201-1246
100	14/23	14/23	1	201-1247
100	29/32	29/32	1	201-1248
250	29/32	29/32	1	201-1249
500	29/32	29/32	1	201-1250



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Filtering flasks, with glass hose connection

Borosilicate 3.3 glass.

- Suitable for hot and cold filtration
- Highly resistant against chemicals and thermal shock
- High temperature resistance
- White inscription field

Due to the heavy wall thickness the VWR filtration flask is vacuum tight.

Capacity (ml)	Pk	Cat. No.
100	1	511-0260
250	1	511-0261
500	1	511-0262
1000	1	511-0263
2000	1	511-0264

Filtration apparatus



Borosilicate 3.3 glass.

- Very good chemical resistance
- Very good temperature resistance
- Available with 1000 or 2000 ml flask
- Funnel with 300 or 500 ml capacity

All-glass filtration apparatus, with funnel, fritted base, cap, spring clamp 47 mm and ground joint flask. The unit is recommended for general filtration. Applications include, filtering corrosive solutions, particulate removal from HPLC solvents, and filtration analysis with solid phase extraction discs. Support base has a sealed-in, coarse-porosity, fritted disc.



Capacity (ml)	Description	Pk	Cat. No.
300	With 1000 ml flask	1	511-0265
500	With 2000 ml flask	1	511-0266

Description	Pk	Cat. No.
Spare parts for filtration apparatus		
Spare glass funnel 300 ml for filtration apparatus, borosilicate 3.3 glass	1	511-0267
Spare glass funnel 500 ml for filtration apparatus, borosilicate 3.3 glass	1	511-0268
Spring clamp, Aluminium, 47 mm for filtration apparatus	1	511-0269
Spare glass base and cap for filtration apparatus, 47 mm	1	511-0270
Spare ground joint flask for filtration apparatus, 1000 ml capacity	1	511-0271
Spare ground joint flask for filtration apparatus, 2000 ml capacity	1	511-0272

Silica gel, granules Chameleon® C 2,5 - 6 mm drying agent

Non toxic dessicants, for adsorbing moisture from the atmosphere and gas streams, which contain iron salts as a colour indicator. The dry material has an intense orange colour and changes to a pale beige/white colour on adsorption of water.

- Water adsorption capacity at 50% RH is a minimum of 23%
- Loss on drying at 145 °C is less than 2%
- At concentration of 10% in water, pH is from 1,5 to 5
- Regeneration can be achieved by heating to 150 °C in a drying oven

Description	Pk	Cat. No.
Silica gel, granules Chameleon® C 2,5 - 6 mm drying agent	1 kg	83000.290
Silica gel, granules Chameleon® C 2,5 - 6 mm drying agent	5 kg	83000.360

Silica gel, granules Chameleon® C 1 - 3 mm drying agent

Description	Pk	Cat. No.
Silica gel, granules Chameleon® C 1-3 mm drying agent	500 g	83001.260
Silica gel, granules Chameleon® C 1-3 mm drying agent	1 kg	83001.290
Silica gel, granules Chameleon® C 1-3 mm drying agent	5 kg	83001.360

Silica gel, granules Chameleon® C 2 - 6 mm drying agent in sachets

This product adsorbs water vapour so maintaining a dry environment for your products. When the gel's adsorption capacity is exhausted the colour changes from orange to colourless.

The product can be regenerated back to an orange colour by heating in a drying oven at 120 - 140 °C for approximately 3 hours and then re-used. It is suitable for numerous drying applications although it is not recommended for strongly acidic or strongly alkaline compounds.

Description	Pk	Cat. No.
Silica gel, granules Chameleon® C 2 - 6 mm drying agent in sachets	500	87185.2500



Desiccators

Borosilicate 3.3 glass.

- Precisely ground flat flanges and interchangeable knobbed lids
- Base and lid with flat flange ground to fit
- High mechanical, thermal and chemical resistance

These desiccators are ideal for drying, drying processes and protecting samples from the effects of air and moisture.

DIN 12491

Nominal size (DN)	Usable height (mm)	Ø ext.×H (mm)	Ø int. (mm)	Pk	Cat. No.
Desiccators					
100	65	153×195	92	1	467-0069
150	95	215×265	143	1	467-0070
200	130	270×315	192	1	467-0071
250	140	320×370	239	1	467-0072
300	165	380×445	285	1	467-0073



Type	Ø (mm)	Pk	Cat. No.
Desiccator plates			
Porcelain	90	1	467-0100
Porcelain	140	1	467-0101
Porcelain	190	1	467-0102
Porcelain	235	1	467-0103
Porcelain	280	1	467-0104



Vacuum desiccators

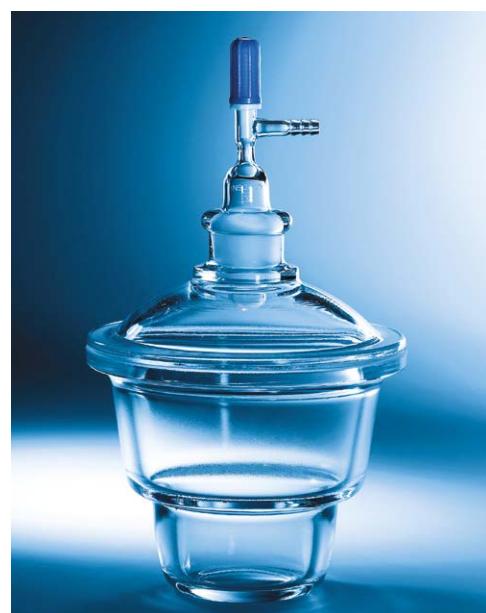
Borosilicate 3.3 glass.

- Precisely ground flat flanges and interchangeable tubulated lids
- Standard ground joint NS 24/29 junction tube in the lid, complete with stopcock plus PTFE spindle
- Base and lid with flat flange ground to fit
- High mechanical, thermal and chemical resistance

Due to the increased wall thickness these desiccators can be used up to the maximum vacuum that is technically possible.

DIN 12491

Type	Nominal size (DN)	Ø ext.xH (mm)	Ø int. (mm)	Pk	Cat. No.
With stopcock	100	153x180	92	1	467-0086
With stopcock	150	215x250	143	1	467-0087
With stopcock	200	270x315	192	1	467-0088
With stopcock	250	320x355	239	1	467-0089
With stopcock	300	380x435	258	1	467-0090



Pasteur pipettes



Soda-lime glass, disposable.

- Non sterile
- Automated manufacturing process ensuring total uniformity of production
- Tapered upper opening for cotton ball plugging
- Top body outer diameter: 7,1 mm, wall thickness: 0,53 mm, jet outer Ø: 1,50 mm

Description	Capacity (ml)	Length (mm)	Pk	Cat. No.
Non plugged	2,0	150	250	612-1701
Pre-plugged	2,0	150	250	612-1798
Non plugged	2,0	230	250	612-1702
Non plugged, sealed tip, breakable	2,0	230	250	612-3850
Pre-plugged	2,0	230	250	612-1799
Pre-plugged, sealed tip, breakable	2,0	230	250	612-3849
Non plugged, sealed tip, breakable	2,0	270	250	612-3860
Pre-plugged, sealed tip, breakable	2,0	270	250	612-3861

Pipette bulbs

Natural latex.

- For Pasteur pipettes, small pipettes and medical drop counters

Capacity: 1 - 2 ml

Length: 38/57 mm

Description	Colour	Pk	Cat. No.
Dropper bulbs, 1 ml, 38 mm	Natural	72	612-2691
Dropper bulbs, 2 ml, 57 mm	Natural	72	612-2693



Test tubes

Test tubes with or without rim



Borosilicate 3.3 glass.

- Very good chemical resistance
- High temperature resistance
- Minimal thermal expansion, giving relatively high resistance to temperature changes

The economical alternative for a wide range of uses. Thick walled.

DIN 12395

Length (mm)	Ø ext. (mm)	Wall thickness (mm)	Pk	Cat. No.
With rim				
75	12	0,9 - 1,0	100	212-0307
100	12	0,9 - 1,0	100	212-0308
130	14	0,9 - 1,0	100	212-0309
130	16	1,1 - 1,2	100	212-0310
150	20	1,1 - 1,2	100	212-0313
150	25	1,1 - 1,2	50	212-0315
160	16	1,1 - 1,2	100	212-0311
180	18	1,1 - 1,2	100	212-0312
180	20	1,1 - 1,2	100	212-0314
200	25	1,1 - 1,2	50	212-0316
200	30	1,1 - 1,2	50	212-0317
Without rim				
75	10	0,8 - 1,0	100	212-0027
75	12	0,8 - 1,0	100	212-0028
100	10	0,8 - 1,0	100	212-0029
100	12	0,8 - 1,0	100	212-0030
130	14	0,9 - 1,0	100	212-0318
130	16	1,1 - 1,2	100	212-0319
150	20	1,1 - 1,2	100	212-0320
150	25	1,1 - 1,2	50	212-0322
160	16	0,8 - 1,0	100	212-0031
180	18	0,8 - 1,0	100	212-0032
180	20	1,1 - 1,2	100	212-0321
200	25	1,1 - 1,2	50	212-0323
200	30	1,1 - 1,2	50	212-0324



Test tubes without rim

Soda lime glass.

- Thin walled
- Good chemical and physical properties
- Can also be used as disposable test tubes

The economically proven alternative in an economy size pack.

Length (mm)	Ø ext. (mm)	Wall thickness (mm)	Pk	Cat. No.
75	10	0,5 - 0,6	1000	212-0464
75	12	0,5 - 0,6	1000	212-0465
100	12	0,5 - 0,6	1000	212-0466
100	13	0,5 - 0,6	1000	212-0467
100	14	0,5 - 0,6	1000	212-0468
100	16	0,6 - 0,7	1000	212-0469
120	12	0,6 - 0,7	500	212-0470
125	16	0,6 - 0,7	1000	212-0471
150	16	0,6 - 0,7	1000	212-0472
160	16	0,6 - 0,7	1000	212-0473



Test tubes with rim

FIOLAX®, neutral glass.

- Very good chemical resistance
- Relatively resistant against rapid temperature changes and local heating

The economical alternative for a wide range of uses. Thin walled.

DIN 12395



Test tubes without rim

Soda-lime glass.

- Thick walled
- Good chemical and physical properties
- Can also be used as disposable test tubes

The economically proven alternative in an economy size pack. Wall thickness approximately 0,8 to 1,0 mm.



Length (mm)	Ø ext. (mm)	Wall thickness (mm)	Pk	Cat. No.
70	8	0,4 - 0,5	100	212-0021
75	10	0,4 - 0,5	100	212-0300
75	12	0,4 - 0,5	100	212-0301
100	10	0,4 - 0,5	100	212-0022
100	12	0,4 - 0,5	100	212-0023
130	14	0,4 - 0,5	100	212-0302
130	16	0,5 - 0,6	100	212-0303
150	25	0,6 - 0,7	50	212-0304
160	16	0,5 - 0,6	100	212-0024
180	18	0,5 - 0,6	100	212-0025
180	20	0,5 - 0,6	100	212-0026
200	25	0,6 - 0,7	50	212-0305
200	30	0,7 - 0,8	50	212-0306

Length (mm)	Ø ext. (mm)	Pk	Cat. No.
40	8	250	212-0011
70	10	250	212-0012
75	12	250	212-0013
100	10	250	212-0014
100	12	250	212-0015
100	14	250	212-0017
100	16	250	212-0016
130	14	250	212-0018
160	16	250	212-0019
180	18	250	212-0020

Culture tubes with black PP screw cap

Made from soda-lime glass, clear.

- GL thread
- Wall thickness 1 mm ($\pm 0,04$ mm)
- High chemical and mechanical resistance

ØxL (mm)	Thread	Pk	Cat. No.
12x100	GL 14	100	212-0656
16x100	GL 18	100	212-0657
16x160	GL 18	100	212-0658
18x180	GL 18	100	212-0659



Weighing bottles

Borosilicate 3.3 glass, low form.

- Interchangeable knobbed lid with ground joint
- Writing area in white colour
- Resistant against chemicals and thermal shock
- Autoclavable



Capacity (ml)	ØxH (mm)	NS	Pk	Cat. No.
6	25x25	24/12	1	611-3817
15	35x30	34/12	1	611-3818
15	40x25	40/12	1	611-3819
30	50x30	50/12	1	611-3820
45	60x30	60/12	1	611-3821
80	80x30	80/12	1	611-3822



Weighing boats

Borosilicate 3.3 glass.

- Ideal for weighing small samples
- Powders can be tapped or rinsed through the tubular stem of the weighing boats into the receiving vessel



Capacity (ml)	Length (mm)	Pk	Cat. No.
3	70	3	611-9194
6	85	3	611-9195
10	100	3	611-9196

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Mixing measuring cylinders

Borosilicate 3.3 glass, class A.

- Calibrated to contain (TC, In)
- Hexagonal glass base, NS ground and PE stopper
- Ring marks at major graduations, marks and inscriptions in blue colour
- Batch certificate included

DIN EN ISO 4788



Measuring cylinders

Borosilicate 3.3 glass, class A, tall form.

- Calibrated to contain (TC, In)
- Hexagonal glass base, with spout
- Blue graduations with ring marks at major graduations
- Batch number and enclosed batch certificate

DIN 12680



Capacity (ml)	Division (ml)	Height (mm)	Pk	Cat. No.
10	0,2	160	2	612-5771
25	0,5	190	2	612-5772
50	1,0	220	2	612-5773
100	1,0	285	2	612-5774
250	2,0	350	2	612-5775
500	5,0	395	2	612-5776
1000	10,0	500	1	612-5777

Capacity (ml)	Division (ml)	Tolerance (\pm ml)	Pk	Cat. No.
5	0,1	0,05	2	612-3832
10	0,2	0,1	2	612-3833
25	0,5	0,25	2	612-3834
50	1	0,5	2	612-3835
100	1	0,5	2	612-3836
250	2	1	2	612-3837
500	5	2,5	2	612-3838
1000	10	5	1	612-3839
2000	20	10	1	612-3840

Measuring cylinders

Borosilicate 3.3 glass, class B, low form.

- Hexagonal glass base, with spout
- High contrasting amber stain graduations with ring marks at major graduations

DIN 12680

Capacity (ml)	Division (ml)	Tolerance (\pm ml)	Pk	Cat. No.
10	1	0,3	2	612-3841
25	1	0,5	2	612-3842
50	2	1,0	2	612-3843
100	2	1,0	2	612-3844
250	5	2,0	2	612-3845
500	10	5,0	2	612-3846
1000	20	10,0	1	612-3847



Volumetric flasks

Borosilicate 3.3 glass, class A.

- PP stopper
- Marks in white and inscriptions in blue enamel
- Batch number and enclosed batch certificate
- Calibrated to contain (TC, In)

DIN EN ISO 1042



Volumetric flasks

Borosilicate 3.3 glass, amber, class A.

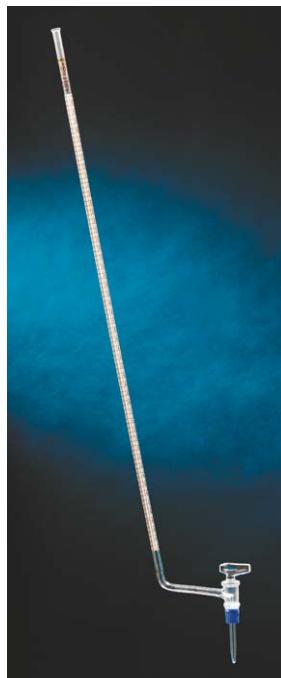
- PE stopper
- Marks and inscriptions in white enamel
- Batch number and enclosed batch certificate
- Calibrated to contain (TC, In)

DIN EN ISO 1042



Capacity (ml)	NS	Tolerance (\pm ml)	Pk	Cat. No.
5	10/19	0,040	2	612-3738
10	10/19	0,040	2	612-3740
20	10/19	0,040	2	612-3741
25	10/19	0,040	2	612-3742
50	12/21	0,060	2	612-3743
100	14/23	0,100	2	612-3744
200	14/23	0,150	2	612-3745
250	14/23	0,150	2	612-3746
500	19/26	0,250	2	612-3818
1000	24/29	0,400	1	612-3819
2000	29/32	0,600	1	612-3820

Capacity (ml)	NS	Tolerance (\pm ml)	Pk	Cat. No.
5	10/19	0,04	2	612-3821
10	10/19	0,04	2	612-3822
20	10/19	0,04	2	612-3823
25	10/19	0,04	2	612-3824
50	12/21	0,06	2	612-3825
100	14/23	0,10	2	612-3826
200	14/23	0,15	2	612-3827
250	14/23	0,15	2	612-3828
500	19/26	0,25	2	612-3829
1000	24/29	0,40	1	612-3830
2000	29/32	0,60	1	612-3831



Burettes, lateral stopcock

Borosilicate 3.3 glass, class AS.

- Schellbach stripe, stopcock with glass key
- High contrast blue enamel graduations
- Batch certificate included

DIN EN ISO 385

Capacity (ml)	Division (ml)	Tolerance (\pm ml)	Scale length (mm)	Pk	Cat. No.
10	0,05	0,02	500	1	612-4142
25	0,1	0,03	500	1	612-4143
50	0,1	0,05	500	1	612-4144



Burettes, straight stopcock

Borosilicate 3.3 glass, class AS.

- Schellbach stripe, stopcock with glass key
- High contrast blue enamel graduations
- Batch certificate included

DIN EN ISO 385

Capacity (ml)	Division (ml)	Tolerance (\pm ml)	Scale length (mm)	Pk	Cat. No.
10	0,05	0,02	500	1	612-4139
25	0,05	0,03	500	1	612-4140
50	0,1	0,05	500	1	612-4141



Bulb pipettes, one mark, class AS

Borosilicate 3.3 glass.

- Calibrated to deliver, total delivery
- Ring mark and inscriptions in high contrast amber stain
- Dated batch identification and batch certificate
- Not available with individual certificate

DIN EN ISO 648

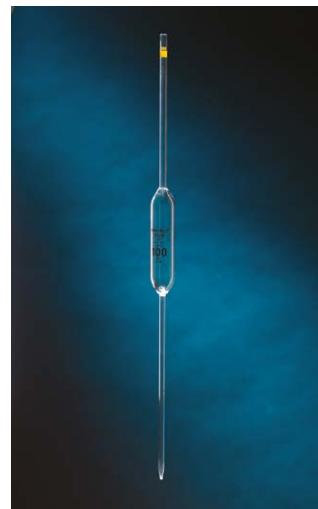


Bulb pipettes, two marks, class AS

Borosilicate 3.3 glass.

- Calibrated to deliver (TD, Ex)
- Ring mark and inscriptions in high contrast amber stain
- Dated batch identification and batch certificate

DIN EN ISO 648



Capacity (ml)	Tolerance (\pm ml)	Length (mm)	Pk	Cat. No.
1	0,007	300	3	612-4129
2	0,010	330	3	612-4130
3	0,010	350	3	612-4131
4	0,015	410	3	612-4132
5	0,015	410	3	612-4133
10	0,020	450	3	612-4134
20	0,030	520	2	612-4135
25	0,030	530	2	612-4136
50	0,050	550	2	612-4137
100	0,080	600	2	612-4138

Capacity (ml)	Tolerance (\pm ml)	Length (mm)	Pk	Cat. No.
1	0,007	300	3	612-4775
2	0,010	330	3	612-4776
3	0,010	350	3	612-4777
4	0,015	410	3	612-4778
5	0,015	410	3	612-4779
10	0,020	450	3	612-4780
20	0,030	520	2	612-4781
25	0,030	530	2	612-4782
50	0,050	550	2	612-4783
100	0,080	600	2	612-4784

Graduated pipettes, type 3, class AS

Borosilicate 3.3 glass.

- Calibrated to deliver (TD, Ex)
- Marks and inscriptions in amber stain
- Cotton plug ending (cotton plugs not included)
- Lot certificate

DIN 12696, ISO 835



Capacity (ml)	Division (ml)	Tolerance (\pm ml)	Pk	Cat. No.
0,5	0,01	0,0075	3	612-4767
1	0,01	0,01	3	612-4768
2	0,02	0,015	3	612-4769
5	0,1	0,045	3	612-4770
10	0,1	0,075	3	612-4771
20	0,1	0,15	2	612-4772
25	0,1	0,15	2	612-4773
50	0,2	0,3	2	612-4774

Graduated pipettes, type 3, class B

Borosilicate 3.3 glass.

- Calibrated to deliver (TD, Ex)
- Marks and inscriptions in amber stain
- Cotton plug ending (cotton plugs not included)

DIN 12696



Capacity (ml)	Division (ml)	Tolerance (\pm ml)	Pk	Cat. No.
0,5	0,01	0,008	3	612-4121
1	0,01	0,01	3	612-4122
2	0,02	0,015	3	612-4123
5	0,1	0,045	3	612-4124
10	0,1	0,075	3	612-4125
20	0,1	0,15	2	612-4126
25	0,1	0,15	2	612-4127
50	0,2	0,3	2	612-4128

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Safety pipette fillers, Standard / Universal / Flip



Standard



Universal



Flip

Natural rubber.

- For measuring and volumetric pipettes up to 10 ml (Standard) or 100 ml (Universal/Flip)
- Standard/Universal: Three ventilation valves
- Flip: Only two operating points for easier usage (release through an automatic removable valve)

Description	Colour	Pk	Cat. No.
Safety pipette filler Standard	Red	1	612-1930
Safety pipette filler Standard	Blue	1	612-2008
Safety pipette filler Universal	Red	1	612-1931
Safety pipette filler Universal	Blue	1	612-2004
Safety pipette filler Flip	Red	1	612-1920
Safety pipette filler Flip	Blue	1	612-1947

Pipette filler, Smoothie™



Pipette filler for glass and plastic pipettes from 1 to 25 ml.

- Comfortable and simple to use
- Smooth, controllable thumb action
- Silicone adapter for leakproof positioning of each pipette

The Smoothie™ pipette filler is a simple manual pipetting aid for convenient single handed operation. The unique range control allows selection from a choice of two dispense resolutions. One range setting delivers fast filling with optimal accuracy when used with 10 to 25 ml pipettes, the other setting is for use with pipettes from 1 to 10 ml where accuracy of fill can sometimes be difficult to control.



Description	Pk	Cat. No.
Pipette filler Smoothie™	1	612-4546

Pipette filler, Safetypette



Pipette filler for glass and plastic pipettes from 1 to 100 ml.

- Replaceable hydrophobic membrane filter to protect the instrument from liquid penetration
- Separate buttons for aspirating/dispensing and discharging
- Silicone adapter for leakproof positioning of each pipette

The Safetypette pipette filler facilitates the pipetting of a wide range of liquids. The practical arrangement of the controls makes work easier and gives maximum safety during serial pipetting.

Ordering information: Supplied with three separate nose cones in three different colours.

Description	Pk	Cat. No.
Pipette filler Safetypette	1	612-4548
Accessories		
Replacement filter set 0,2 µm	5	612-3681
Replacement filter set 0,45 µm	5	612-3678
Replacement silicone pipette holder	1	612-3679



Pipette controller, Powerpette Pro



Pipette controller for glass and plastic pipettes from 1 to 100 ml.

- Lightweight UV resistant body (180 g) and nose cones
- Fills a 25 ml pipette in under three seconds on its fastest setting
- Autoclavable silicone pipette holder
- Replaceable hydrophobic membrane filter protects the unit against liquid influx and protects samples against contamination
- Environmentally friendly rechargeable NiMH battery allows continuous usage for four hours; low battery light; rechargeable during use

The Powerpette Pro pipette controller delivers efficient performance with a powerful but quiet motor to speed up large volume pipetting. The mode selection switch enables selection of high or low modes both allowing variable aspirate and dispense speeds (with blow out). In any mode setting the speed of suction and dispensing is controlled through the concave finger triggers, designed to provide a comfortable and positive grip, and to require minimum effort. An additional gravity dispense mode is designed for use with 'To Deliver' (TD) pipettes. The Powerpette Pro is now supplied with additional coloured nose cones to allow laboratory, application or user colour coding to minimise the risk of cross-contamination.

Ordering information: Supplied with charger, two spare hydrophobic filters (1x0,45 µm, 1x0,2 µm), bench stand/wall bracket and a coloured nose cone set.

Description	Pk	Cat. No.
Pipette controller Powerpette Pro, EU-charger	1	612-4552
Pipette controller Powerpette Pro, UK-charger	1	612-4553
Accessories		
Replacement filter set 0,2 µm	5	612-3681
Replacement filter set 0,45 µm	5	612-3678
Replacement silicone pipette holder	1	612-3679
Pack of 3 coloured nose cones (red, blue and pink)	1	612-4555





Safety bulb pipette fillers



Red rubber with white plastic connector and silicone conical adapter, autoclavable.

- For large and small capacity pipettes
- Conical adapter for connecting pipettes more securely, avoids breakages because it requires less force to fit on the bulb
- Elastic cord for attaching the bulb to a reagent vessel or to the user's wrist

Capacity: 15 ml

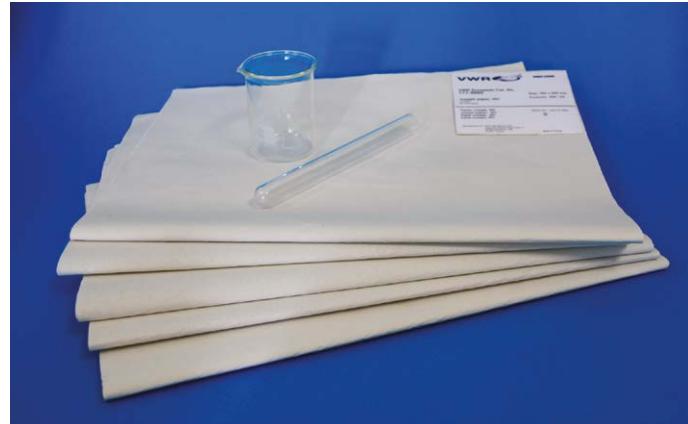
Description	Colour	Pk	Cat. No.
Safety bulb pipette fillers, 15 ml	Red/white	3	612-2703

Joseph paper, grade 551

Absorbent paper, suitable for cleaning and drying of glass containers, tubes, microscopic plates, bottles, etc.

Thickness (mm)	0,07
Weight	25 g/m ²

Description	LxW (mm)	Pk	Cat. No.
Plain	350x500	500	111-5005
Plain	350x500	800	111-5007
Folded	350x500	40	111-5009
Folded	350x500	500	111-5006



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