

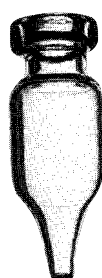
**Vials.**

Autosampler-vials and accessories for the following apparatuses:	Vial types catalog numbers	
	with beaded rim	with screw cap
ACS, A.M.S, ALTEX, ANTEK,	9.361.***, 9.354.001, 9.369.101	9.360.***
Beckman-501	9.361.***, 9.354.001, 9.369.101	9.360.***
-504	9.367.003, 9.365.002	9.360.***
BRUKER	—	9.350.003
CARLO ERBA-42 VIAL TRAY	9.361.***, 9.354.001, 9.369.101	9.360.***
-60 VIAL TRAY	9.354.000, 9.365.001	—
8000	9.369.101	—
CARNEGIE	9.369.101	9.360.***
CHROMPACK-PACKARD	9.354.001, 9.361.***, 9.369.101	9.360.***
DANI	9.354.001, 9.361.***, 9.369.101	9.360.***
DUPONT	9.365.002, 9.367.003	9.350.001
DYNATECH-42 VIAL TRAY	9.354.001, 9.361.***, 9.369.101	9.360.***
-60 VIAL TRAY	9.354.000, 9.365.001	—
LC 2000	9.365.000, 9.367.004	—
ETP-KORTEC	9.354.001, 9.361.000, 9.369.101	9.369.001
GILSON	9.354.001, 9.361.***, 9.365.002, 9.367.003, 9.369.101	9.350.001, 9.360.***, 9.369.001
GYNKOTEK-GINA 160	9.354.001, 9.361.***, 9.369.101	9.360.***
HP-1090 A, 7673, 1050, weitere	9.354.001, 9.361.***, 9.369.101	9.360.***
HITACHI/MERCK, IBM	9.350.001	9.369.001
INFOCHROMA	9.354.001, 9.361.***, 9.369.101	9.360.***
KONTRON	—	9.350.001, 9.350.003, 9.369.001
LDC-713	9.354.000, 9.365.001	—
MILTON ROY	9.354.001, 9.361.***, 9.369.101	9.350.001, 9.360.***, 9.369.001
LKB/Pharmacia	9.354.001, 9.361.***, 9.369.101	—
MAGNUS	—	9.350.001, 9.369.001

**Autosampler-vials, threaded**, borosilicate glass. Suitable for photometers. Dustfree in tray-pack.

Capacity ml	H x Dia. mm	Cap size	Clear glass	Amber glass
1.2	32 x 12	N-8	9.350.001	9.350.002
4	45 x 15	N-13	9.350.003	9.350.004
4	65 x 13	N-13	*9.350.101	—

\* for DU PONT



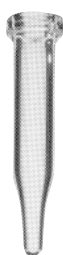
**Autosampler-vials, with conical bottom**, borosilicate glass.

Capacity ml	H x Dia. mm	Cap size	
Threaded			
1.1	32 x 12	N-8	9.369.001
With beaded rim			
1.1	32 x 12	11	9.369.101
Stands for conical autosampler-vials			
Made of Polyethylen			9.369.201
Made of PTFE			9.369.202
Made of PTFE, for HP			9.369.203
Made of PTFE, for VARIAN			9.369.204



## Vials.

Autosampler-vials and accessories for the following apparatuses:	Vial types catalog-numbers	
	with beaded rim	with screw cap
PERKIN ELMER-AI-1	9.354.000, 9.354.001, 9.361.***, 9.365.001, 9.369.101	9.360.***
ISS 100	9.354.001, 9.361.***, 9.369.101	9.360.***
42 VIAL TRAY	9.354.001, 9.361.***, 9.369.101	9.360.***
60 VIAL TRAY	9.354.000, 9.365.001	—
100 VIAL TRAY	9.354.000, 9.365.001	—
4900	—	9.350.001, 9.369.001
PHILIPS/PYE-4710, 4700 GC, 4700 LC	9.365.002, 9.367.003	9.350.001, 9.369.001
S4/S8	9.365.002, 9.367.003	—
LC/XP	9.354.001, 9.361.***, 9.369.101	9.350.001, 9.360.***, 9.369.001
PRECISON-42 VIAL	9.354.001, 9.361.***, 9.369.101	9.360.***
60 VIAL	9.354.000, 9.365.001	—
SGE LS-3200	9.365.002, 9.367.003	9.350.001, 9.369.001
SEDERE	9.354.001, 9.361.***, 9.369.101	9.360.***
SHIMADZU-AOC-8B/9, AOC-14, SIL-6A/9A	9.350.001, 9.369.001	—
SIL -2AS	9.350.003	—
SIEMENS	9.357.001, 9.357.002	—
SPARK PROMIS/MARATHON	9.354.001, 9.369.101	—
SpH 125	9.354.001, 9.361.***	9.360.***
SPECTRA-PHYSICS	9.354.001, 9.361.***, 9.369.101	9.350.001, 9.360.**, 9.369.001
TALBOT TOSCA I TRACOR	9.354.001, 9.361.***, 9.369.101	9.360.***
VARIAN	—	9.350.001, 9.369.001
WATERS-48 VIAL TRAY	—	9.350.003
96 VIAL TRAY	9.365.003, 9.367.004	—



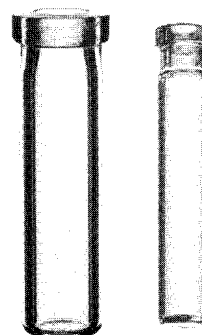
**Siemens autosampler-vials**, borosilicate glass. With beaded rim. For smaller quantities please use micro vessel and springs mentioned on the next page.

Capacity ml	H x Dia. mm	Cap size	Bottom	
1.5	42 x 11	13	flat	9.357.001
1.0	40 x 11	13	conical	9.357.002

**Crimp top vials.** Borosilicate glass, with rolled flange.

Capacity ml	H x Dia. mm	Cap size	Clear glass	Amber glass
0.8	30 x 8	8	9.354.000	—
1	32 x 12	11	9.354.001	9.354.002
2	35 x 14	13	9.354.003	—
4	45 x 15	13	9.354.004	—
5	38 x 20	20	9.354.005	9.354.006
10	55 x 20	20	9.354.007	9.354.008
10	47 x 23	20	9.354.009	—
20	75 x 23	20	9.354.010	9.354.011
35	65 x 30	20	9.354.012	—
50	101 x 31	20	9.354.013	—
100	95 x 52	20	*9.354.014	—

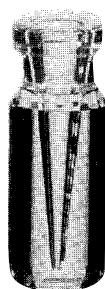
\* AR-glass


**Sample vials, threaded, borosilicate glass.**

Capacity ml	H x Dia. mm	Cap size	
<b>For general use</b>			
2	36 x 12	N-8	9.350.301
4	45 x 15	N-13	9.350.302
8	61 x 17	N-15	9.350.303
12	66 x 19	N-15	9.350.304
16	72 x 21	N-18	9.350.305
24	86 x 23	N-20	9.350.306
30	75 x 27	N-24	9.308.307
<b>For water tests to EPA 40 CFR 131 and 141</b>			
40	95 x 7	N-24	9.350.201


**Autosampler-micro-reaction vials, inner bottom conical.**

Capacity ml	H x Dia. mm	Cap size	Borosilicate glass	PP
<b>With screw cap</b>				
0.1	32 x 12	N-8	9.360.001	9.360.002
<b>With beaded rim</b>				
0.1	32 x 12	8	9.361.001	9.361.002

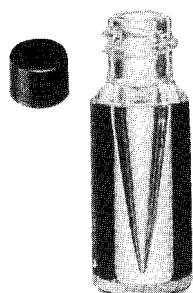

**Micro-Reaction Vials, with screw cap, inner bottom conical, size 3 + 5 ml graduated, outside bottom grounded.**

Capacity ml	H x Dia. mm	Cap size	Clear glass	Amber glass
0.1	34 x 13	N-13	9.358.001	9.358.101
0.3	34 x 13	N-13	9.358.002	9.358.102
1	44 x 13	N-13	9.358.003	9.358.103
2	61 x 17	N-15	9.358.004	9.358.104
3	55 x 21	N-20	9.358.005	9.358.105
5	64 x 21	N-20	9.358.006	9.358.106

**Magnetic stirring bars, triangular, especially for conical vials**

For Vials No. 9.358.\*\*2-\*\*3 9.358.201

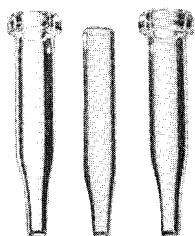
For Vials No. 9.358.\*\*5-\*\*6 9.358.202



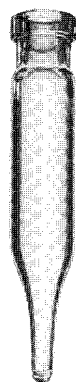


**Micro-reaction vessels**, borosilicate glass. Compatible for autosampler vials. Springs, for Micro Reaction Vessels, No. 9.362.\*\*\*.

Capacity ml	H x Dia. mm		For Vials
<b>Micro-reaction vessels</b>			
0.3	40 x 6	45 x 15	*9.362.001
0.3	40x6 without rim	45 x 15	**9.362.002
0.1	35 x 5	40 x 8	9.362.003
0.1	30 x 5	32 x 12	9.362.004
0.05	27 x 4	32 x 12	***9.362.005
<b>Springs</b>			
–	50 x 7.5	No. 9.362.001, 9365.005, 9.365.004	9.363.001
–	18 x 7.5	No. 9.365.002, 9.366.002	9.363.002
–	40 x 7.5	No. 9.365.002, 9.366.002 (Du Pont)	9.363.003
–	15 x 5	No. 9.362,003, 9362.001 (Siemens)	9.363.004
–	37 x 5	No. 9.362.005	9.363.005
–	70 x 7.5	No. 9.365.005, 9.365.004 (Du Pont)	9.363.006



\* For a volume of 15 µl please use spring No. 9.363.001  
 \*\* For a volume of 15 µl please use spring No. 9.363.001  
 \*\*\* For fastening use spring No. 9.363.005



**Micro ampoules (vessels)**, borosilicate glass. With beaded rim.

Capacity ml	H x Dia. mm	Cap size	Clear glass	Amber glass
<b>Conical bottom</b>				
0.6	20 x 7	8	9.365.001	9.366.001
0.7	40 x 7	8	9.365.002	9.366.002
1.0	40 x 8	8	9.365.003	9.366.003
0.3	32 x 6	8	9.365.004	–
0.3	32 x 6 round	8	9.365.005	–
<b>Flat bottom</b>				
0.7	40 x 7	8	9.367.003	9.368.003
1.2	40 x 8	8	9.367.004	9.368.004

**Special vials**, borosilicate glass.



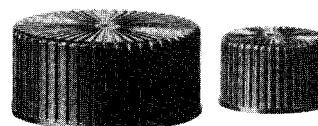
Capacity ml	H x Dia. mm	Cap size	
<b>White graduation, threaded</b>			
2/0.2	36 x 12	5-8	9.353.002
4/0.4	45 x 15	N-13	9.353.004
<b>With marking label</b>			
4	45 x 15	N-13	9.353.100
<b>With ring mark at 3 ml, threaded</b>			
3	45 x 15	N-13	9.353.200
<b>With special crimp top, with rounded bottom angles, wall 1.2 mm</b>			
20	75 x 23	20	9.354.101



**Screw caps, made from black phenolic.**

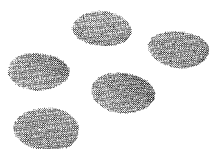
1. Without sealing disc.
2. With Styrene/Butadiene seal, white.
3. With Butyl/PTFE-rubber.
4. With centre hole.

Cap size	1.	2.	3.	4.
N-8	9.351.001	9.351.101	9.351.201	9.351.301
N-13	9.351.002	9.351.102	9.351.202	9.351.302
N-15	9.351.003	9.351.103	9.351.203	9.351.303
N-18	9.351.004	9.351.104	9.351.204	9.351.304
N-20	9.351.005	9.351.105	9.351.205	9.351.305
N-24	9.351.006	9.351.106	9.351.206	9.351.306



**Sealing discs.**

- PTFE, white.
- Butyl/PTFE-rubber, blue/amber.
- Silicone/PTFE-rubber, red/white, self-closing (up to 20 times).



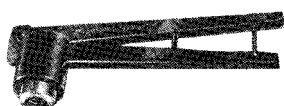
Dia. mm	for Cap size	PTFE	Butyl	Silicone PTFE
8	N-8	9.352.001	9.352.101	9.352.201
11	N-13	9.352.002	9.352.102	9.352.202
13	N-15	9.352.003	9.352.103	9.352.203
16	N-18	9.352.004	9.352.104	9.352.204
18	N-20	9.352.005	9.352.105	9.352.205
22	N-24	9.352.006	9.352.106	9.352.206

**Aluminum crimp caps. With PTFE-coated sealing disc.**

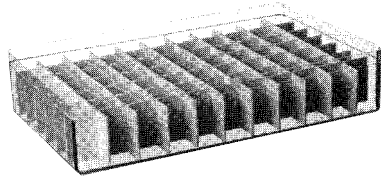
Cap size	With centre hole	Tear off type	Tear off seal
<b>Rubber sealing disc</b>			
8	9.355.001	-	-
<b>With sealing disc 0.9 mm</b>			
11	9.355.101	-	-
<b>With sealing disc 1.3 mm</b>			
11	9.355.201	-	-
<b>Butyl-rubber disc</b>			
13	9.356.001	9.356.002	9.356.003
20	9.356.004	9.356.005	9.356.006
<b>Without sealing disc</b>			
20	9.356.101	9.356.102	9.356.103
<b>Sealing disc, Butyl-rubber</b>			
20	9.356.201	-	-



**Crimper for aluminum caps.**



Cap size	For opening	For closing
8	9.373.001	9.374.001
11	9.373.002	9.374.002
13	9.373.003	9.374.003
20	9.373.004	9.374.004



**Vialtainers**, boxes for storing autosampler vials, PS.

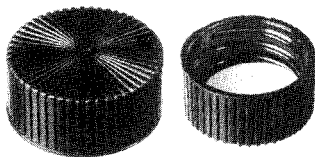
For Vial-size	Openings	
32 x 12, 36 x 12	77	9.369.301
45 x 15	88	9.369.302



**Scintillation vials**, made of glass (potassium rate Estax), 89 % UV transmission. Screw cap, made of PE, with cork/aluminum seal.

Capacity ml	H x Dia. mm	Cap size	Bottle complete	Spare caps
20	58 x 27	DIN 22	9.371.001	9.371.101
20	58 x 27	DIN 22	*9.371.002	*9.371.102
5.5	57 x 16	N-15	9.372.001	9.372.101

\* With Sealing ring.

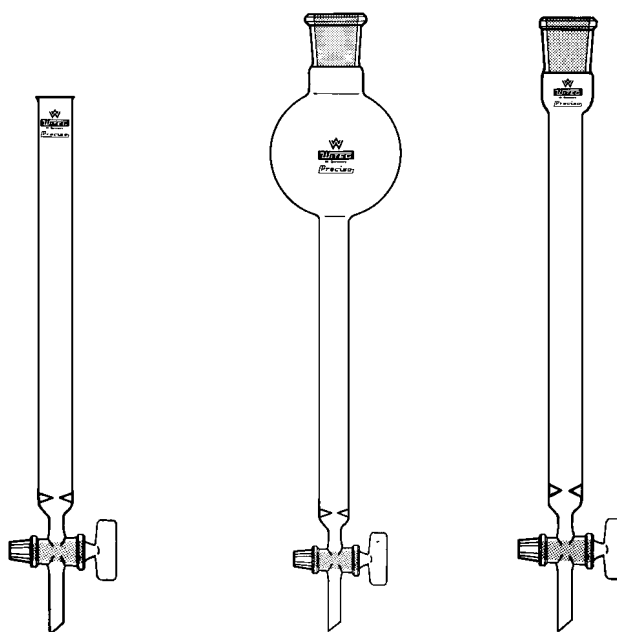


**Micro cultur bottles**, "BIO-GRIP"-Vials, borosilicate glass.

Cap 1 with Styrene-Butadiene sealing disc.

Cap 2 with Butyl/PTFE-Seal.

Capacity ml	H x Dia. mm	Cap size	Vial	Cap 1	Cap 2
4	49 x 15	LN-13	9.370.001	9.370.101	9.370.201
8	68 x 17	LN-15	9.370.002	9.370.102	9.370.202
12	70 x 19	LN-15	9.370.003	9.370.103	9.370.203



**Chromatography columns.** ST-stopcock with solid plug and screw-thread retaining nut, with indentations above the stopcock for a wad of cotton.

1. Simple shape.

2. With reservoir, with socket ST 29/32.

3. With socket ST 29/32 (No. 2.125.001-ST 14/23).

Column I. D. mm	Effective length of column ml	Effective length of column mm	Reservoir ml	Bore of plug mm	1.	2.	3.
10	15	200	–	2.5	2.119.001	–	2.125.001
10	15	200	250	2.5	–	2.122.001	–
15	35	200	–	2.5	2.119.002	–	–
15	35	200	250	2.5	–	2.122.002	–
15	70	400	–	2.5	2.119.003	–	–
20	65	200	250	2.5	–	2.122.003	–
20	125	400	–	2.5	2.119.004	–	2.125.002
20	125	400	250	2.5	–	2.122.004	–
20	190	600	–	2.5	2.119.006	–	–
20	190	600	250	2.5	–	2.122.006	–
30	130	600	–	2.5	–	–	2.125.003
30	280	400	–	2.5	2.119.005	–	–
30	280	400	500	2.5	–	2.122.005	–
30	430	600	–	2.5	2.119.007	–	–
40	750	600	1000	2.5	–	2.122.007	–
40	1000	800	–	2.5	2.119.008	–	2.125.004
60	1150	600	2000	6.3	–	2.122.008	–
60	1550	800	2000	6.3	–	2.122.009	–
80	4500	1000	4000	6.3	–	2.122.010	–

Attention!

With ST-PTFE-stopcock

With valve and PTFE-valve plug

2.120.001-8

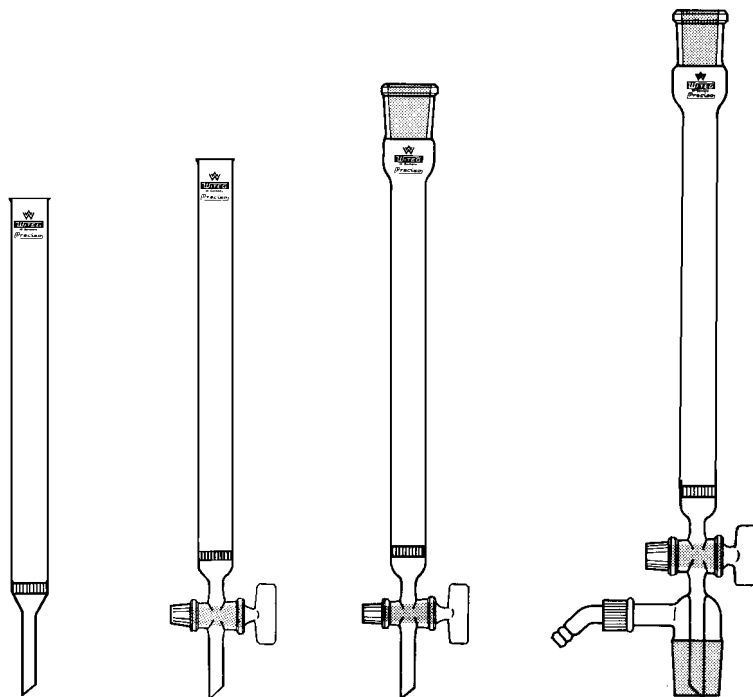
2.123.001-10

2.126.001-4

2.121.001-8

2.124.001-10

2.127.001-4



**Chromatography columns.** With fused-in sintered glass-disc PO. Bore of plug 2.5 mm.

1. Simple, without stopcock.
2. Simple, ST-stopcock, with solid plug and screw-thread retaining nut.
3. At the top with ST-stopcock, ST-stopcock with solid plug and screw-thread retaining nut.
4. At the top with ST-stopcock, at the bottom with ST-cone, ST-stopcock with solid plug and screw-thread retaining nut, with vacuum connection and drip tip, with fused-in sintered glass-disc.

Column I. D. mm	Effective length of column ml	Effective length of column mm	ST	1.	2.	3.	4.
10	8	100	14/23	—	—	2.132.001	2.135.001
10	15	200	—	2.128.001	2.129.001	—	—
10	15	200	14/23	—	—	2.132.003	2.135.003
10	23	300	14/23	—	—	2.132.006	2.135.007
15	18	100	14/23	—	—	2.132.002	2.135.002
15	35	200	—	2.128.002	2.129.002	—	—
15	35	200	14/23	—	—	2.132.004	2.135.004
15	50	300	14/23	—	—	2.132.007	2.135.008
15	70	400	—	2.128.003	2.129.003	—	—
15	70	400	14/23	—	—	2.132.009	2.135.010
20	60	200	29/32	—	—	2.132.005	2.135.005
20	90	300	29/32	—	—	2.132.008	2.135.009
20	125	400	—	2.128.004	2.129.004	—	—
20	125	400	29/32	—	—	2.132.010	2.135.011
20	190	600	—	2.128.006	2.129.006	—	—
20	190	600	29/32	—	—	2.132.012	2.135.013
30	80	200	29/32	—	—	—	2.135.006
30	280	400	—	2.128.005	2.129.005	—	—
30	280	400	29/32	—	—	2.132.011	2.135.012
30	430	600	—	2.128.007	2.129.007	—	—
30	430	600	29/32	—	—	2.132.013	2.135.014
40	1000	800	—	2.128.008	2.129.008	—	—
40	1000	800	29/32	—	—	2.132.014	2.135.015

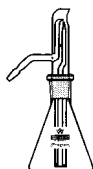
Attention!

With ST-PTFE-stopcock

Wwith valve and PTFE-valve-plug

—	2.130.001-008	2.133.001-014	2.136.001-015
—	—	2.131.001-008	2.134.001-014 2.137.001-015





### Sprayer for chromatography.

1. With Erlenmeyer flask 100 ml, ST 19/26
2. With Erlenmeyer flask 100 ml, ST 14/23 (ball head)
3. With test tube, 12 ml, ST 19/26, with base, made of plastic.
4. With test tube, 6 ml, ST 19/26, with base, made of plastic.

1.	2.	3.	4.
2.147.000	2.147.100	2.147.112	2.147.106

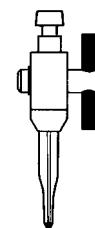
Spare parts:

Rubber bulb No. 3.157.000



### Separate parts for chromatographic-columns.

Type	
PTFE-stopcock, 2.5 mm bore of plug	2.128.601
Stem	2.128.602



### Automatic capillary pipettes, Dr. Barrolier, error $\pm 1$ %.

Capacity ml	
1	2.148.001
2	2.148.002
4	2.148.004
10	2.148.010
20	2.148.020



**Standard separating chambers.** Ground flange rim and ground lid. For TLC plates up to 200 / 200 mm. Plane bottom.

Chamber complete	2.148.100
Chamber without lid	2.148.101
Knobbed lid	2.148.102
Glass cover plate	2.148.103

**NANO separating chambers.** Ground rim, for TLC plates up to 100 / 100 mm.

NANO chamber with knobbed lid	2.148.200
Knobbed lid	2.418.201
Filter paper, 25 sheets 210 / 110 mm, for chamber saturation	2.418.250

**TLC separating chambers.** Round with cap.

For plates mm	Dia.	Height	
200 / 50	60	230	2.140.720
200 / 100	130	230	2.140.730

