

ABSORPTION CELLS

CELLS FOR MAGNETIC STIRRERS

macro, semi-micro, with PTFE lid or stopper

TYPE/WINDOW MATERIAL	OPTICAL PATH LENGTH mm	OUTSIDE DIM. H x W x D mm	INSIDE WIDTH mm	BASE THICKN. mm	VOL. µl	ARTICLE NO.	REMARKS
109.000-QS	10	45 x 12.5 x 12.5	9.5	5	3500	109-000-10-40	
109.004-QS	10	45 x 12.5 x 12.5	4	5	1500	109-004-10-40	
119.000-QS	10	49.5 x 12.5 x 12.5	9.5	5	3500	119-10-40	
119.004-QS	10	49.5 x 12.5 x 12.5	4	5	1500	119-004-10-40	
332.300		6 x 3				332-300-VE10	10-pack PTFE coated magnetic stir bar

SEALABLE CELLS

macro, semi-micro, for anaerobic applications

(with ISO thread GL 14 and screw cap with silicone rubber seal, accessories see page 33)

TYPE/WINDOW MATERIAL	OPTICAL PATH LENGTH mm	OUTSIDE DIM. H x W x D mm	INSIDE WIDTH mm	BASE THICKN. mm	VOL. µl	ARTICLE NO.	REMARKS
117.100-QS	10	56 x 12.5 x 12.5	9.5	1.5	3500	117-100-10-40	Open screw cap
117.200-QS	10	56 x 12.5 x 12.5	9.5	1.5	3500	117-200-10-40	Closed screw cap
117.104-QS	10	56 x 12.5 x 12.5	4	1.25	1400	117-104-10-40	Open screw cap
117.204-QS	10	56 x 12.5 x 12.5	4	1.25	1400	117-204-10-40	Closed screw cap

CELLS WITH TUBES

macro, tube Ø 8 mm, tube length 80 mm

TYPE/WINDOW MATERIAL	OPTICAL PATH LENGTH mm	OUTSIDE DIM. H x W x D mm	INSIDE WIDTH mm	BASE THICKN. mm	VOL. µl	ARTICLE NO.	REMARKS
220-QS	10	40 x 12.5 x 12.5	9.5	1.5	3500	220-10-40	Quartz/DURAN® tube

WINDOW MATERIAL

■ QS ■ Quartz Glass High Performance 200 nm – 2500 nm



CYLINDRICAL CELLS

macro, with PTFE stopper

TYPE/WINDOW MATERIAL	OPTICAL PATH LENGTH mm	OUTSIDE-DIAMETER mm	INSIDE-DIAMETER mm	OUTSIDE DEPTH mm	VOL. µl	ARTICLE NO.	REMARKS
120-QS	50 100	22 22	19 19	52.5 102.5	14000 28000	120-50-20 120-100-20	from 50 mm with 2 stoppers
120-QS	1 2 5 10 20 50 100	22 22 22 22 22 22 22	19 19 19 19 19 19 19	3.5 4.5 7.5 12.5 22.5 52.5 102.5	280 560 1400 2800 5600 14000 28000	120-000-1-40 120-000-2-40 120-5-40 120-10-40 120-20-40 120-50-40 120-100-40	from 50 mm with 2 stoppers
120-QX	10	22	19	12.5	2800	120-10-46	
121.000-QS	0.1 0.2 0.5 1	22 22 22 22	13 13 13 13	20 20 20 20	160 170 210 280	121-0.10-40 121-0.20-40 121-0.50-40 121-1-40	2 ports and stoppers
225-BF	10	22	18	12.5	2600	225-10-23	Cell with tube Tube: Duran
165-QS	10	22	10	12.5	800	165-10-40	Temperature controlled cell 1 stopper and 2 thermostat ports

DEMOUNTABLE CELLS WITH SMALL VOLUME

TYPE	OPTICAL PATH LENGTH mm	OUTSIDE-DIAMETER mm	THICKNESS mm	INSIDE-DIAMETER mm	VOL. µl	ARTICLE NO.	REMARKS
124-QS	0.01 ± 0.003 0.1 ± 0.005 0.2 ± 0.005 0.5 ± 0.005	22	2.51 2.6 2.7 3	15 15 15 15	2 18 35 85	124-0.01-40 124-0.1-40 124-0.2-40 124-0.5-40	demountable circular cell Please order cell holder separately! Article No.: 020-001-761
020.001	0.01 – 1	27 x 23.5 x 11.5				020-001-761	cell holder for cell type 124 and 201/202
202-QS	1.25	22				202-40	circular window made of Quartz Glass High Performance
202-QX	1.25	22				202-46	circular window made of Quartz Glass Extended Range
201	1 ± 0.01	21				201-1-23	ring made of Duran for cell holder 020.001

WINDOW MATERIAL

■ OS ■ Special Optical Glass 320 nm – 2500 nm
■ BF ■ Borosilicate Glass 330 nm – 2500 nm

■ QS ■ Quartz Glass High Performance 200 nm – 2500 nm
■ QX ■ Quartz Glass Extended Range 200 nm – 3500 nm



CELLS AND OPTICAL ELEMENTS FOR SPECIAL APPLICATIONS

DYE-LASER CELL

macro, with PTFE stoppers

TYPE/WINDOW MATERIAL	OUTSIDE DIM. H x W x D mm	INSIDE CROSS SECTION mm	VOL. μ l	NO. OF WINDOWS	ARTICLE NO.	REMARKS
111.070-QS	46 x 12.5 x 12.5	10 x 10	3500	4	111-070-40	on request with a polished base

CELL WITH TWO CHAMBERS

TYPE/WINDOW MATERIAL	OPTICAL PATH LENGTH mm	OUTSIDE DIM. H x W x D mm	INSIDE WIDTH mm	BASE THICKN. mm	VOL. μ l	ARTICLE NO.	REMARKS
238-QS	2 x 4.375	46 x 12.5 x 12.5	9.5	1.5	2 x 1000	238-000-40	with 2 stoppers

CELLS FOR LIGHT SCATTERING MEASUREMENTS

with PTFE stoppers

TYPE/WINDOW MATERIAL	OUTSIDE DIM. H x DIAMETER mm	INSIDE DIM. H x DIAMETER mm	VOL. μ l	ARTICLE NO.	REMARKS
540.110-QS	75 x 10	74 x 8	3200	540-110-80	
540.111-QS	75 x 10	74 x 8	3200	540-111-80	polished outer cylinder
540.135-QS	75 x 20	74 x 18	14000	540-135-20-40	

WINDOW MATERIAL
■ OS ■ Quartz Glass High Performance 200 nm – 2500 nm



CELLS FOR REFLECTION MEASUREMENTS

cylindrical cells without lid

TYPE/WINDOW MATERIAL	OUTSIDE DIM. H x DIAMETER mm	INSIDE DIM. H x DIAMETER mm	VOL. μ l	ARTICLE NO.	REMARKS
692.091-OG	25 x 34	23 x 31.6	12000	692-091-12	
692.103-BF	30 x 50	27.5 x 45	32000	692-103-23	
692.104-BF	40.5 x 60	39 x 55.6	73000	692-104-23	
692.455-BF	52 x 65	50 x 60	110000	692-455-23	acc. to ISO 17223 with markings at 25 mm and 45 mm

WINDOW MATERIAL
■ OG ■ Optical Glass 360 nm – 2500 nm ■ BF ■ Borosilicate Glass 330 nm – 2500 nm



CELLS AND OPTICAL ELEMENTS FOR SPECIAL APPLICATIONS

CELL FOR TURBIDITY MEASUREMENTS

rectangular cell

TYPE/WINDOW MATERIAL	OPTICAL PATH LENGTH mm	OUTSIDE DIM. H x W x D mm	INSIDE DIM. H x W x D mm	VOL. µl	ARTICLE NO.	REMARKS
402.013-OG	25 x 25	70 x 30 x 30	67 x 25 x 25	35000	402-013-10	25 ml marking, 5 windows

LARGE CELLS

with glass lids

700.000-OG	10 ± 0.2 20 ± 0.2	53 x 55 x 15 53 x 55 x 25	50 x 50 x 10 50 x 50 x 20	20000 40000	700-000-10-10 700-000-20-10	with glass lid
700.010-OG	20 ± 0.2	82 x 44.4 x 24.4	80 x 40 x 20	56000	700-010-20-10	without lid
700.015-OG	28 ± 0.2	35 x 35 x 32	33 x 31 x 28	22000	700-015-10	without lid
700.016-OG	18 ± 0.2	38 x 22 x 22	36 x 18 x 18	10000	700-016-10	without lid
700.061-OG	50 ± 0.5	100 x 150 x 55	96.5 x 143 x 50	600000	700-061-10	without lid
704.000-OG	20 ± 0.2	22.5 x 25 x 25	20 x 20 x 20	6000	704-000-20-10	with glass lid
704.001-OG	30 ± 0.2	32.5 x 35 x 35	30 x 30 x 30	22500	704-001-30-10	with glass lid
704.002-OG	40 ± 0.2	42.5 x 45 x 45	40 x 40 x 40	56000	704-002-40-10	with glass lid
704.003-OG	50 ± 0.5	52.5 x 55 x 55	50 x 50 x 50	88000	704-003-50-10	with glass lid
740.000-OG	34.5 ± 0.2	100 x 50 x 39.5	97 x 44 x 34.5	100000	740-000-10	with markings at 100 ml without lid

WINDOW MATERIAL

OG Optical Glass 360 nm – 2500 nm



OPTICAL PARTS

TYPE/WINDOW MATERIAL	OPTICAL PATH LENGTH mm	OUTSIDE DIM. H x W x D mm	THICKNESS mm	INSIDE WIDTH mm	VOL. µl	ARTICLE NO.	REMARKS
665.000-QS		45 x 12.5	1.25			665-000-40	rectangular window made of Quartz Glass High Performance
665.000-QX		45 x 12.5	1.25			665-000-46	rectangular window made of Quartz Glass Extended Range

TYPE/WINDOW MATERIAL	OUTSIDE-DIAMETER mm	THICKNESS mm	INSIDE-DIAMETER mm	VOL. µl	ARTICLE NO.	REMARKS
202-QS	∅ 22	1.25			202-40	circular window made of Quartz Glass High Performance
202-QX	∅ 22	1.25			202-46	circular window made of Quartz Glass Extended Range

WINDOW MATERIAL

QS Quartz Glass High Performance 200 nm – 2500 nm QX Quartz Glass Extended Range 200 nm – 3500 nm

