FLUORESCENCE CELLS

MACRO CELLS

with PTFE lid or stopper, triangular cell

TYPE/WINDOW MATERIAL	OPTICAL PATH LENGTH mm	OUTSIDE DIM. H × W × D mm	INSIDE WIDTH mm	BASE THICKN. mm	VOL. µl	NO. OF WINDOWS	ARTICLE NO.	REMARKS
101-OS	10 x 10	45 x 12.5 x 12.5	10	1.25	3500	4	101-10-20	
101-QS	10 x 10 10 x 20	45 x 12.5 x 12.5 45 x 12.5 x 22.5	10 10	1.25 1.25	3500 7000	4 4	101-10-40 101-20-40	
111-OS	10 x 10	46 x 12.5 x 12.5	10	1.25	3500	4	111-10-20	
111-QS	10 x 10	46 x 12.5 x 12.5	10	1.25	3500	4	111-10-40	

SEMI-MICRO CELLS

with PTFE lid or stopper

TYPE/WINDOW MATERIAL	OPTICAL PATH LENGTH mm	OUTSIDE DIM. H × W × D mm	INSIDE WIDTH mm	BASE THICKN. mm	VOL. µl	ARTICLE NO.	REMARKS
104F-QS	10 x 4	45 x 12.5 x 12.5	4	1.25	1400	104F-10-40	
108F-QS	10 x 4	45 x 12.5 x 12.5	4	9	1000	108-F-10-40	
114F-QS	10 x 4	46 x 12.5 x 12.5	4	1.25	1400	114F-10-40	

MICRO CELLS

with PTFE lid or stopper

TYPE/WINDOW MATERIAL	OPTICAL PATH LENGTH mm	OUTSIDE DIM. H × W × D mm	INSIDE WIDTH mm	BASE THICKN. mm	VOL. µl	ARTICLE NO.	REMARKS
104.002F-QS	10 x 2	45 x 12.5 x 12.5	2	1.25	700	104002F-10-40	
108.002F-QS	10 x 2	45 x 12.5 x 12.5	2	9	500	108002F-10-40	
115F-QS	10 x 2	40 x 12.5 x 12.5	2	1.25	400	115-F-10-40	

WINDOW MATERIAL
OS Special Optical Glass 320 nm – 2500 nm
QS Quartz Glass High Performance 200 nm – 2500 nm

101
10 x 10 mm
111
10 x 10 mm

104F
10 x 4 mm
108F
10 x 4 mm
114F
10 x 4 mm

104.002F
10 x 2 mm
108.002F
10 x 2 mm
115F
10 x 2 mm

MICRO CELLS

with and without PTFE stopper

TYPE/WINDOW MATERIAL	OPTICAL PATH LENGTH mm	CENTER HEIGHT mm	OUTSIDE DIM. H × W × D mm	INSIDE WIDTH H × W × D mm	BASE THICKN. mm	VOL. µl	NO. OF WINDOWS	ARTICLE NO.	REMARKS
101.015-QS	3 x 3		21 x 5.4 x 5.4	19.9 x 3 x 3	1.1	130	5	101-015-40	
013.013		15 8.5	50.5 x 12.5 x 12.5 44 x 12.5 x 12.5					013-013-15-71 013-013-85-71	holder for cell type 101.015
111.057-QS	5 x 5		46 x 7.5 x 7.5	38.75 x 5 x 5	1.25	850	5	111-057-40	
013.011			44 x 12.5 x 12.5					013-011-71	holder for cell type 111.057

ULTRA-MICRO CELLS

with PE stopper

TYPE/WINDOW MATERIAL	OPTICAL PATH LENGTH mm	CENTER HEIGHT mm	OUTSIDE DIM. H × W × D mm	APERTURE H × W mm	CHAMBER VOL. µl	FILLING VOL. µl	NO. OF WINDOWS	ARTICLE NO.	REMARKS
105.250-QS	10 x 2 10 x 2	15 8.5	45 x 12.5 x 12.5 45 x 12.5 x 12.5	5 x 2 5 x 2	100 100	120 120	3 3	105-250-15-40 105-250-85-40	
105.251-QS	3 x 3 3 x 3	15 8.5	45 x 12.5 x 12.5 45 x 12.5 x 12.5	5 x 3 5 x 3	45 45	70 70	3 3	105-251-15-40 105-251-85-40	
105.252-QS	1.5 x 1.5 1.5 x 1.5	15 8.5	45 x 12.5 x 12.5 45 x 12.5 x 12.5	5 x 1.5 5 x 1.5	12 12	30 30	3 3	105-252-15-40 105-252-85-40	

WINDOW MATERIAL
QS Quartz Glass High Performance 200 nm – 2500 nm

101.015
3 x 3 mm
111.057
5 x 5 mm
013.011
013.013

105.250
10 x 2 mm
105.251
3 x 3 mm
105.252
1.5 x 1.5 mm

FLUORESCENCE CELLS

FLUORESCENCE CELLS FOR MAGNETIC STIRRERS

macro, semi-micro, with PTFE lid or stopper

TYPE/WINDOW MATERIAL	OPTICAL PATH LENGTH mm	OUTSIDE DIM. H × W × D mm	INSIDE WIDTH mm	BASE THICKN. mm	VOL. µl	NO. OF WINDOWS	ARTICLE NO.	REMARKS
109.000F-QS	10 x 10	45 x 12.5 x 12.5	10	5	3500	4	109000F-10-40	
119.000F-QS	10 x 10	49.5 x 12.5 x 12.5	10	5	3500	4	119F-10-40	
109.004F-QS	10 x 4	45 x 12.5 x 12.5	4	5	1500	4	109004F-10-40	
119.004F-QS	10 x 4	49.5 x 12.5 x 12.5	4	5	1500	4	119004F-10-40	
332.300		6 x 3					332-300-VE10	see page 31

SEALABLE CELLS

macro, semi-micro, for anaerobic applications

TYPE/WINDOW MATERIAL	OPTICAL PATH LENGTH mm	OUTSIDE DIM. H × W × D mm	INSIDE WIDTH mm	BASE THICKN. mm	VOL. µl	NO. OF WINDOWS	ARTICLE NO.	REMARKS
117.100F-QS	10 x 10	56 x 12.5 x 12.5	10	1.25	3500	4	117100F-10-40	Open screw cap
117.200F-QS	10 x 10	56 x 12.5 x 12.5	10	1.25	3500	4	117200F-10-40	Closed screw cap
117.104F-QS	10 x 4	56 x 12.5 x 12.5	4	1.25	1400	4	117104F-10-40	Open screw cap
117.204F-QS	10 x 4	56 x 12.5 x 12.5	4	1.25	1400	4	117204F-10-40	Closed screw cap

With ISO thread GL 14 and screw cap with silicone rubber seal; accessories see page 33.

CELLS WITH TUBES QUARTZ/DURAN®

macro, tube ∅ 8 mm, tube length 80 mm

TYPE/WINDOW MATERIAL	OPTICAL PATH LENGTH mm	OUTSIDE DIM. H × W × D mm	INSIDE WIDTH mm	BASE THICKN. mm	VOL. µl	NO. OF WINDOWS	ARTICLE NO.
221-QS	10 x 10	40 x 12.5 x 12.5	10	1.25	3500	4	221-10-40
221.001-QS*	10 x 10 Tol.+- 0.2	40 x 12.5 x 12.5	10	1.25	3500	4	221001-10-80

* for measurements at high and low temperatures

WINDOW MATERIAL
QS Quartz Glass High Performance 200 nm – 2500 nm

109.000F 10 x 10 mm | 119.000F 10 x 10 mm | 109.004F 10 x 4 mm | 119.004F 10 x 4 mm

117.200F-QS 10 x 10 mm | 117.204F-QS 10 x 4 mm

221 10 x 10 mm | 221.001 10 x 10 mm

CELLS FOR FLOW-THROUGH MEASUREMENTS

macro, with in/outlet tubes

TYPE/WINDOW MATERIAL	OPTICAL PATH LENGTH mm	OUTSIDE DIM. H × W × D mm	APERTURE H × W mm	VOL. µl	NO. OF WINDOWS	ARTICLE NO.	REMARKS
131-QS	10 x 10	45 x 12.5 x 12.5	33 x 10	3300	4	131-10-40	base and lid 6 mm

compact, with 2 screw connectors M 6 x 1 and FEP tubes

(outside ∅ 1.9 mm, inside ∅ 1.1 mm, 500 mm long)

TYPE/WINDOW MATERIAL	OPTICAL PATH LENGTH mm	CENTER HEIGHT mm	OUTSIDE DIM. H × W × D mm	APERTURE H × W mm	VOL. µl	NO. OF WINDOWS	ARTICLE NO.
176.751-QS	3 x 3	8.5	35 x 12.5 x 12.5	11 x 3	100	3	176-751-85-40
176.754-QS	10 x 2.5	15	35 x 12.5 x 12.5	11 x 2.5	275	4	176-754-10-15-40

ALL-QUARTZ FLOW-THROUGH CELLS WITH TWO OPTICAL PATH LENGTHS

with screw connectors M6 x 1, with FEP tubing 500 mm length

TYPE/WINDOW MATERIAL	OPTICAL PATH LENGTH mm	CENTER HEIGHT mm	OUTSIDE DIM. H × W × D mm	APERTURE H × W mm	VOL. µl	NO. OF WINDOWS	ARTICLE NO.	REMARKS
176.760-QS	5 and 10	15 8.5	35 x 12.5 x 12.5	11 x 6/11 x 5	550	4	176-760-15-40 176-760-85-40	for further information, see page 20 to 21
176.761-QS	2.5 and 5	15 8.5	35 x 12.5 x 12.5	11 x 4/11 x 2.5	140	4	176-761-15-40 176-761-85-40	
176.762-QS	1.5 and 3	15 8.5	35 x 12.5 x 12.5	11 x 2.5 /11x1.5	50	4	176-762-15-40 176-762-85-40	
176.765-QS	1 and 10	15 8.5	35 x 12.5 x 12.5	11 x 6/11 x 1	110	4	176-765-15-40 176-765-85-40	
176.766-QS	2 and 10	15 8.5	35 x 12.5 x 12.5	11 x 6/11 x 2	220	4	176-766-15-40 176-766-85-40	

WINDOW MATERIAL
QS Quartz Glass High Performance 200 nm – 2500 nm

131 10 x 10 mm

176.050 10 x 4 mm

176.751 3 x 3 mm

176.754 10 x 2.5 mm

176.760-QS 5 and 10 mm