



2.2.10 Cylindrical Cells

2.2.10 Cylindrical Cells macro | with PTFE stopper

One of the main uses of cylindrical cells is measurements of optical rotation dispersion in a polarimeter. The cells used for this should be as free of stress birefringence as possible. For this reason we can, on request, test cells of the 120.000 and 121.000 series in a polarimeter and deliver them with a corresponding certificate.

For information about the handling of cells with stoppers please see chapter 2.1.6.



Catalogue Number	Window Material	Light Path mm	Outside Ø mm	Inside Ø mm	Outside Depth mm	Volume µl	Remarks
120-OS*	Special Optical Glass	10	22	19	12.5	2800	from 50 mm with 2 stoppers
		20	22	19	22.5	5600	
		50	22	19	52.5	14000	
		100	22	19	102.5	28000	
120-QS	Quartz SUPRASIL	1	22	19	3.5	280	from 50 mm with 2 stoppers
		2	22	19	4.5	560	
		5	22	19	7.5	1400	
		10	22	19	12.5	2800	
		20	22	19	22.5	5600	
		50	22	19	52.5	14000	
		100	22	19	102.5	28000	
120-QX	Quartz SUPRASIL 300	10	22	19	12.5	2800	from 50 mm with 2 stoppers
		20	22	19	22.5	5600	
		50	22	19	52.5	14000	
		100	22	19	102.5	28000	
121.000-QS	Quartz SUPRASIL	0.01	22	13	20	140	2 ports and stoppers
		0.05	22	13	20	150	
		0.1	22	13	20	160	
		0.2	22	13	20	170	
		0.5	22	13	20	210	
		1	22	13	20	280	
		2	22	13	20	410	
5	22	16	20	850			
123.093-QS	Quartz SUPRASIL	72	12	9.6			Iodine cell** with graded seals Quartz/Duran

* These cells can also be made with glued windows made of CaF₂ or sapphire (Al₂O₃) if so desired.

** This is an example of a cell for a gas filling with cold finger, graded seal and Brewster windows.

