



### 2.2.9.2 Cells for TDA Measurements

macro | semi-micro | compact | with 2 screw connectors M 6 X 1 and FEP tubes  
outside Ø 1.9 mm, inside Ø 1.1 mm

Catalogue Number	Window Material	Light Path mm	Centre Height mm	Outside Dim. H x W x D mm	Aperture H x W mm	Volume µl	Number of Windows	Remarks
170.700-QS	Quartz SUPRASIL	1	both heights	35 x 12.5 x 12.5	17.5 x 3.5	62	2	window thickn. 5.75 mm window thickn. 5.25 mm
		2	both heights	35 x 12.5 x 12.5	17.5 x 3.5	124	2	
176.700-QS	Quartz SUPRASIL	5	15	35 x 12.5 x 12.5	11 x 3.5	195	2	window thickn. 3.75 mm window thickn. 3.75 mm
		5	8.5	35 x 12.5 x 12.5	11 x 3.5	195	2	
		10	15	35 x 12.5 x 12.5	11 x 3.5	390	2	
		10	8.5	35 x 12.5 x 12.5	11 x 3.5	390	2	
		20	15	35 x 12.5 x 22.5	11 x 3.5	780	2	
		20	8.5	35 x 12.5 x 22.5	11 x 3.5	780	2	
		50	15	35 x 12.5 x 52.5	11 x 3.5	1950	2	
		50	8.5	35 x 12.5 x 52.5	11 x 3.5	1950	2	
		100	15	35 x 12.5 x 102.5	11 x 3.5	3900	2	
		100	8.5	35 x 12.5 x 102.5	11 x 3.5	3900	2	



### flow-through unit with 4 chambers in a metal holder

compact | with 8 M 6 x 1 screw connectors, screw fittings by arrangement

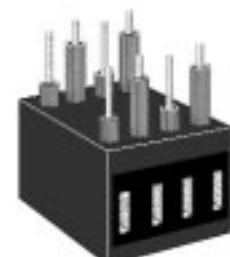
Using these four-chambered cells the release of an active ingredient in tablets can be measured in up to 16 chambers in standard spectrophotometers. The dimensions of these cells such as outside width, distance between chambers, aperture size and centre height as well as the type of connectors can be constructed according to the specifications of our customers.



Compact cell fourfold with 1 mm light path



Compact cell fourfold with 10 mm light path



Compact cell fourfold with 50 mm light path

### 2.2.9.3 Debubbler Cells

micro | ultra-micro | with debubbler, three tubes

Our cell model 179 is a special type of cell used for continuous flow measurements following the TECHNICON method. During these measurements, the sample in the in-flow tube is divided into segments which are separated by air bubbles and which therefore do not come into contact with each other. The unique design of the cell includes a “de-bubbling” chamber at the inlet of the cell where the air bubbles in the sample, which are all of the same size, are removed. It should be noted that this cell is not intended to solve the problem of bubble formation. More information about bubble formation is given under the heading “Bubble Formation” (see chapter 2.2.9).

Catalogue Number	Window Material	Light Path mm	Centre Height mm	Outside Dim. H x W x D mm	Aperture H x W mm	Volume µl	Number of Windows	Remarks
179.010-OS	Special Optical Glass	10	15	45 x 12.5 x 12.5	Ø 3	80	2	
		10	8.5	38.5 x 12.5 x 12.5	Ø 3	80	2	
179.010-QS	Quartz SUPRASIL	10	15	45 x 12.5 x 12.5	Ø 3	80	2	
		10	8.5	38.5 x 12.5 x 12.5	Ø 3	80	2	
179.011-OS	Special Optical Glass	10	15	45 x 12.5 x 12.5	Ø 2	35	2	
		10	8.5	38.5 x 12.5 x 12.5	Ø 2	35	2	

