

# RFM800 Flowcells



Funnel flowcell

Flowcells are a useful addition to a refractometer where sample throughput is high. Depending on the application and the requirement of the system, a choice can be made between funnel and flow-through type cells.

Where larger volumes of sample are available, such as in the sugar industry, funnel flowcells may be used. These negate the need to clean the instrument prism between sample measurements, providing a rapid sample turnaround.

Macro flowcells are used where sample viscosity limits the use of micro-flowcells.

Micro flowcells are typically used in conjunction with an autosampler. Typical applications include use with density meters and/or polarimeters in breweries for calculating alcohol content and flavours & fragrance applications. Micro flowcells are also used in beverage applications especially in 'audit laboratories'.

All flowcells are supplied with an instrument stand that allows the refractometer to sit at a pre-determined angle, ensuring optimum performance of the flowcell.

Flowcells are supplied as complete kits incorporating cell, tubing, instrument stand and instruction for use.



Micro flowcell

## Specifications

		Micro	Macro	Funnel
Cell volume (including nozzle)	ml	0.6	1.2	1.2
Flushing volume	ml	-	-	50-100
Sample inlet tubing bore	mm	2	4	-
Sample inlet/waste nozzle outside diameter	mm	3	6	6
Sample waste tubing bore	mm	2	4	6
Sample pressure	bar	2	2	-
Stand dimensions: (approximate and excluding pipework and cables)	Width	mm	230	230
	Depth	mm	330	330
	Height	mm	430	430
	Weight	kg	2	2
Chamber material	PEEK			
Nozzle material	304 Stainless Steel			
Sealing Ring	Chemraz ®			
Connections	Push fit			

Note: For hazardous samples secure connections such as Swage-lok may be offered as a custom option. Contact Bellingham+Stanley for details.

## Order codes

Micro Flowcell	Micro continuous flow through cell	Code 26-80
Macro Flowcell	Macro continuous flow through cell	Code 26-81
Funnel Flowcell	Macro funnel flow through cell	Code 26-82

Further information on autosamplers, barcode readers and flowcells may be obtained by referring to *product specific literature* and/or *Technical Bulletins* where applicable. For details, or to discuss a particular application, please contact Bellingham + Stanley Ltd. or an approved distributor.

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