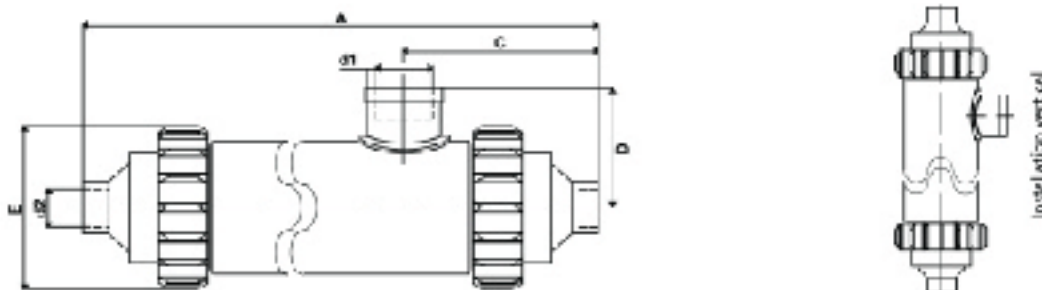


# Technical specification

## dizzer 220

## dizzer 450

Multibore ultrafiltration module



### Module data

### dizzer 220 dizzer 450

Length (incl. end caps) (A)	mm	672 ±1,5	1172 ±1,5
Length (excl. end caps)	mm	500 ±1,5	1000 ±1,5
Module OD	mm	110	
Distance filtrate connectors (C)	mm	65 ±1	75 ±1
Distance feed connector - module center axis (D)	mm	98	99
Outer diameter coupling (E)	mm	135	
Feed connectors internal glue type (d2)	mm	32	
Internal thread filtrate connector (d1)	BSP	1 1/4"	1 1/2"
Material			
Housing		PVC-U	
End cap		PVC-U	
Max. operation pressure	bar	5	5

### Multibore capillaries

Capillaries per fiber		7	
Outer diameter (OD)	mm	4,3	
Inner diameter (ID)	mm	0,9	
Material		PESM	
Molecular weight cutoff (MWCO)	kD	100-150	
Active membrane surface	m <sup>2</sup>	2,2	4,5

### Typical operation parameters

Operating temperature	°C	max. 40	
Applicable ph - range			
During operation		3-10	
During cleaning		1-13	
Cleaning & disinfection chemicals			
Free chlorine		max. 200 ppm or 200.000 ppmh	
H <sub>2</sub> O <sub>2</sub> (Hydrogenperoxide)	ppm	max. 500	
Fluxrate			
During filtration	l/(m <sup>2</sup> h)	60-140	
During backwash	l/(m <sup>2</sup> h)	200-250	
Transmembrane Pressure (TMP)			
During filtration	bar	0,1 - max. 0,8	
During backwash	bar	0,3 - max. 2,5	
Burst pressure (Multibore fiber)	bar	8	
Filtrate flow			
at 100l/(m <sup>2</sup> h)	l/h	220	450

### Weight

Weight (dry)	kg	4	7
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Further special models on request. Membrane modules must be stored wet at all times - long-term storage recommends use of 0,1% sodium bisulfite solution. Do not expose to polar organic solvents or concentrated acids. We believe that the above mentioned information is true and correct. Nevertheless, the contents of this datasheet might be subject to changes without notice. Please contact inge AG for further information.