

MIKROCELL

String wound filter element

MIKROCELL string wound cartridge is very appreciated for high dirt holding capacity and rugged construction which allow to be used in many applications for liquid and gas filtration.

MIKROCELL series is made with high quality yarns wrapped around a perforated core. The fibers are arranged radially during the winding operation to form thousands of channels which gradually narrow from the outside to the inside according to the degree of filtration required.

The high thickness of filtering media allows high contaminant retention capacity thanks to the graduated depth filtration.



APPLICATIONS

- Chemical industries
- Petrochemical industries
- Photographic
- General Pre-filtration

Features				
Filter media material	Bleached Cotton	Polypropylene	Nylon	Fiberglass
Max temperature with stainless steel core	150°C	80°C	120°C	300°C
Max temperature with polypropylene core	80°C			
Maximum differential pressure	5 bar (0.5 Mpa)			
Recommended filter change	Max 2 bar (0.2 MPa)			

Max water flow rate (l/h) for 10" filter element (pressure drop 0,1 bar)

Micron (µm)	Filter media					
	Polypropylene			Bleached Cotton		
	Viscosity					
	1 cP	10 cP	25 cP	1 cP	10 cP	25 cP
1	450	50	30	170	20	10
3	1000	110	50	540	60	30
5	1400	115	80	950	100	50
10	1800	200	10	1700	190	100
20	2000	220	110	1900	210	110
50	2000	500	250	2000	450	250
75	2000	600	300	2000	550	350
100	2000	800	350	2000	650	450



Standard END CAPS

Code selection for ordering

MC		- 10		- P P		- 10		- P0		- 0	
CODE	MICRON	CODE	FILTER MEDIA MATERIAL	CODE	LENGTH mm	CODE	END CAPS	CODE	DIAMETER mm	CODE	END CAPS
1	1	B	Bleached Cotton	08	248	0	DOE Standard	P	OD 62 / ID 28		
3	3	G	Fiberglass	10	254			S			
5	5	N	Nylon	20	508						
10	10	P	Polypropylene	30	762						
15	15			40	1016						
20	20										
25	25										
30	30										
50	50										
75	75										
100	100										

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The data are informative and subject to change without notice. User is responsible for determining whether the product is fit for particular purpose and suitable for User's method of application.