

Mikropor Wound Cartridges



DESIGNED BY MARTIN VASAR





MIKROPOR WOUND CARTRIDGES

Design Principal: Fibers are wound with a diagonal pattern onto a core without using any binding material. This winding feature not only physically strengthens the overall structure but also creates passageways within which filtration process also takes place as it does on the surface. This double path process brings the following advantages:

- No surface caking
- Lower pressure drop
- Longer filter life
- Chemical compatibility in most applications

Particles, when penetrating into the filtering medium through the diagonal gates, are trapped by the tortuous path of fibers. The liquid flow is from the outside into the center so that the larger particles are retained on or near the surface and the micron rated particles are trapped within the layers. The amount of the retained particles is strongly dependent on particle size, particle type, solution and the pressure developed by the pump. Wound depth cartridges operate at lower flow rates compared to pleated filters.

Filtering Media: Cotton, polypropylene, glass fiber (heat-cured to prevent fiber migration), viscose, nylon or polyester media are selected for efficient filtering. Particle size to be retained may vary within a range of 0,5 μ -200 μ depending on the medium and cartridge size.

Core Material: Polypropylene, 304 or 316 low carbon stainless or tinned steel is used in core production depending on the liquid or gas to be filtered. Inner diameter of the core is 28mm.

Application Fields: Food and beverage, chemicals, electronics, photograph technology, hospitals, magnetic coatings, plating, oil production, pharmaceuticals industry, cosmetics, paint, ink, sea water, household and municipal water, various gases.

Filtering Medium	Max.Operating Temp.°C
Cotton	120
Polypropylene	90
Glass Fiber	400
Viscose	145
Nylon	145
Polyester	120

MW Series Filter Cartridges Ordering Information

Filter Length (mm)	Code (Inches)	Particle Size (μ) Code			Filter Material	Code	Core Material	Code
1829	72	200	30	5	Cotton	CN	304 St. Steel	A
1016	40	150	25	3	Polypropylene	PP	316 St. Steel	B
914	36	100	20	2	Glass Fiber	FG	Tinned Steel	C
762	30	75	15	1	Viscose	VS	Polypropylene	D
508	20	50	10	0,5	Nylon	NN		
254	10	40	7		Polyester	PT		

Example for part number: MW-30-10-FG-A

MIKROPOR

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