Mikropor Wound Cartridges

DESIGNED BY SADETTIN YAŞAR

MİKROPOR

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 0,5µ-200µ depending on the medium and cartridge size.

Core Material: Polyproplene, 304 or 316 low carbon stainless or tinned stell 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)
1829	72
1016	40
914	36
762	30
508	20
254	10

Particle Size (µ) Code		
200	30	5
150	25	3
100	20	2
75	15	1
50	10	0,5
40	7	

Filter Metarial	Code
Cotton	CN
Polypropylene	PP
Glass Fiber	FG
Viscose	VS
Nylon	NN
Polyester	PT

Core Metarial	Code
304 St. Steel	A
316 St.Steel	B
Tinned Steel	C
Polypropylene	D

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

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