



**American Filter
Manufacturing**

*Industry standard
sizes are in stock and
ready to ship today*

STRING WOUND CARTRIDGES

AFM's String Wound Cartridges are produced in-house on high-speed, computer-controlled machines that ensure precise thread spacing and consistent quality. These filters provide true depth loading through advanced winding patterns, preventing core blinding and delivering superior dirt-holding capacity. With multiple media, micron ratings, and configurations, they are adaptable to a wide range of applications while meeting FDA Title 21 compliance.

PRODUCT FEATURES

- Available in 8 media selections, 15 micron ratings, and all end cap configurations
- Standard diameters of 2.5" and 4.5", with lengths from 9.75" to 40"
- Custom winding patterns tailored for specialized applications, including inks and paints

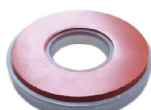
AVAILABLE END CAPS



226



222



DOE Gasket



Closed



Spring



Fin

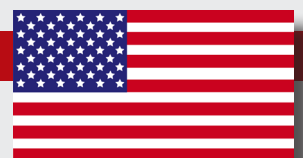


Core
Extender



PROUDLY MADE IN THE USA

www.afm.us



Media	Max. Temp.	Applications
N - Natural Cotton	300°F / 150°C	Same (non-FDA) applications as bleached cotton.
C - Bleached Cotton FDA	300°F / 150°C	For potable liquids, vegetable oils, beverages, organic solvents, water, dilute acids, petroleum oils and other services
P - Polyester	250°F / 121°C	Chemical compatibility similar to cotton and polypropylene. Has a higher temp. resistance than polypropylene in most cases.
E - Polypropylene	180°F / 82°	Filtration of organic acids, alkalis, solvents and many other chemicals. Very effective in low viscosity solutions.
S - Polypropylene FDA	180°F / 82°C	Same compatibility as polypropylene but complies with FDA regulations that permit contact with food and edible products.
R - Rayon	300°F / 150°C	Chemical compatibility similar to cotton. Used primarily in filtration of petroleum oils.
RT - Ryton	350°F / 176°C	Specialty applications with challenging chemical compatibilities at elevated temperatures
NY - Nylon	300°F / 148°C	Special process applications including concentrated bases, organic solvents, and process waters.
Core	Max. Temp.	Characteristics
E -Polypropylene FD	180°F / 82°C	For lower temperature applications of corrosive fluids and gases. Easily incinerated to a trace of ash.
S - Tinned Steel	375°F / 191°C	General purpose applications.
4 - 304 Stainless Steel	750°F / 399°C	For high temperature dilute acids and moderately corrosive fluids
6 - 316 Stainless Steel	750°F / 399°C	For high temperature applications and highly corrosive fluids.
Gaskets & O-Rings	Max. Temp.	Characteristics
B - Buna	300°F / 149°C	Good resistance to water, alkalis and many acids. Poor resistance to oils, gasoline, most solvents (except oxygenated).
V - Viton ®	450°F / 232°C	Can be used at high temperature with many fuels, lubricants, hydraulic fluids and solvents.
T - Teflon ®	500°F / 260°C	Excellent resistance to almost all chemicals and solvents. Good heat resistance, very good low-temperature properties.
S - Silicone	600°F / 316°C	Excellent heat resistance. Fair water resistance, poor resistance to steam at high pressures. Fair to good acid and alkali resistance, poor resistance to oils and solvents.
N - Neoprene	250°F / 121°C	Good resistance to non-aromatic petroleum, fatty oils, solvents (except aromatic, chlorinated or ketone types). Good water and alkali resistance, fair acid resistance.
E - EPDM	300°F / 149°C	Very good water resistance. Excellent resistance to oils and gasoline. Fair to good resistance to acids and alkalis.

PRODUCT IDENTIFICATION

String Wound	Media	Micron	Cartridge Diameter	Cartridge Length	Core Material	Core Cover	Polypropylene End Cap	Gasket/ O-Ring
W	P	10	S	3	E	X	1	
W = Standard WQ = Ink & Paint	N = Natural Cotton C = Bleached Cotton FDA P = Polyester E = Polypropylene S = Polypropylene FDA R = Rayon RT = Ryton NY = Nylon	.5, 1, 3, 5, 10, 15, 20, 25, 30, 50, 75, 100, 125, 150, 200	S = 2.5" Standard M = 4.5" * C = Custom	1 = 9.875 2 = 9.75 3 = 10 4 = 19.5 5 = 20 6 = 29.25 7 = 30 8 = 39 9 = 40	E = Polypropylene T = Tinned Steel 4 = 304 SS 6 = 316 SS	X = No cover E = Polypropylene P = Polyester N = Nylon S = Custom	1 = DOE/no caps 2 = 222/Fin 3 = 222/Spring 4 = 222/Closed 5 = 226/Closed 6 = 226/Fin 7 = 226/Spring 8 = SOE/Spring 9 = DOE Gasket A = Custom E = Core Extender ES = Core Extender/ Spring	DOE = No selection req. B = Buna V = Viton T = Teflon S = Silicone N = Neoprene D = EPDM

* Other options available upon request

WEIGHTS & DIMENSIONS

Cartridge Diameter (in)	Cartridge Length (in)	Cartridge Weight (lbs)	Qty/Box	Box Weight (lbs)	Box Dimensions (L x W x H in)	Cartridge Qty/ Pallet	Pallet Weight (lbs)	Pallet Dimensions (L x W x H in)
2.5 Standard	10	0.4	30	13	13.25 x 7.75 x 24	1350	415	48 × 40 × 78
	20	0.8	15	13	13.25 x 7.75 x 24	675	415	48 × 40 × 78
	30	1.2	15	19.5	13.25 x 7.75 x 31	450	415	48 × 40 × 68
	40	1.6	15	26	13.25 x 7.75 x 43	450	610	48 × 40 × 92
Cartridge Diameter (in)	Cartridge Length (in)	Cartridge Weight (lbs)	Qty/Box	Box Weight (lbs)	Box Dimensions (L x W x H in)	Cartridge Qty/ Pallet	Pallet Weight (lbs)	Pallet Dimensions (L x W x H in)
4.5 Standard	10	1.2	12	16	13.25 × 9 × 20.125	360	505	48 × 40 × 46.25
	20	2.4	6			180		

* Weights and dimensions are approximate



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