

STRING WOUND CARTRIDGES

*W & WQ Series with Leading-Edge
Depth Loading Technology*



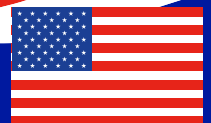
FEATURES AND SPECIFICATIONS

- String wound elements are manufactured in-house on custom, high-speed, computer controlled machines for consistent thread spacing
- Customized patterns and spacing offered to adapt to your specialized applications
- Ink and paint elements have a 3-stage multi pattern winding process offering true depth loading and prevents core blinding
- With 6 media selections and 15 micron ratings, we are sure to produce the element you require
- All end cap configurations available to fit your existing housing
- Standard diameters are 2.5 and 4.5 inches
- Standard lengths from 9.75 to 40 inches
- FDA Title 21 Compliant Media



C USA

"WS" String wound cartridges are
Tested and Certified by WQA to:
NSF/ANSI 61, NSF/ANSI 42 - Component,
NSF/ANSI 372, CSA 483.1



Media	Maximum Temperature	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 temperature resistance than polypropylene in most cases.
E – Polypropylene	180°F / 82°C	Filtration of organic acids, alkalis, solvents and many other chemicals. Very effective in low viscosity solutions.
S – Polypropylene FDA	180°F / 82°C	Same chemical 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.
Cores	Maximum Temperature	Characteristics
E – Polypropylene FDA	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	Maximum Temperature	Characteristics
B – Buna	300°F / 149°C	Very good resistance to water, alkalis and many acids. Poor resistance to oils, gasoline and 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, exceptionally 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.

AVAILABLE END CAPS



BUILDING A PART NUMBER

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	.5	30	1 = 9.875	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 ✓	DOE = No selection req. B = Buna ✓ V = Viton® T = Teflon® S = Silicone ✓ N = Neoprene D = EPDM
	C = Bleached cotton FDA	1	50	2 = 9.75			2 = 222/Fin ✓	
	P = Polyester	3	75	3 = 10			3 = 222/Spring ✓	
	E = Polypropylene	5	100	4 = 19.5			4 = 222/Closed ✓	
	S = Polypropylene FDA ✓	10	125	5 = 20			5 = 226/Closed	
	R = Rayon	15	150	6 = 29.25			6 = 226/Fin	
		20	200	7 = 30			7 = 226/Spring	
		25		8 = 39			8 = SOE/Spring ✓	
				9 = 40			9 = DOE Gasket ✓	
							A = Custom	
				E = Core Extender				
				ES = Core Extender/Spring				

* For the 4.5" diameter cartridge, only DOE end caps are available, ✓Combinations are tested and certified by WQA.



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