

# 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	
<b>W</b> = Standard ✓ <b>WQ</b> = Ink & Paint	<b>N</b> = Natural cotton <b>C</b> = Bleached cotton FDA <b>P</b> = Polyester <b>E</b> = Polypropylene <b>S</b> = Polypropylene FDA ✓ <b>R</b> = Rayon	.5 <b>30</b> 1 <b>50</b> 3 <b>75</b> 5 <b>100</b> 10 <b>125</b> 15 <b>150</b> 20 <b>200</b> 25	<b>S</b> = 2.5" Standard <b>M</b> = 4.5" * <b>C</b> = Custom	1 = 9.875 2 = 9.75 3 = 10 4 = 19.5 5 = 20 6 = 29.25 7 = 30 8 = 39 9 = 40	<b>E</b> = Polypropylene ✓ <b>T</b> = Tinned Steel <b>4</b> = 304 SS <b>6</b> = 316 SS	<b>X</b> = No cover ✓ <b>E</b> = Polypropylene <b>P</b> = Polyester <b>N</b> = Nylon <b>S</b> = 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 ✓ <b>A</b> = Custom <b>E</b> = Core Extender <b>ES</b> = Core Extender/Spring	<b>DOE</b> = No selection req. <b>B</b> = Buna ✓ <b>V</b> = Viton® <b>T</b> = Teflon® <b>S</b> = Silicone ✓ <b>N</b> = Neoprene <b>D</b> = EPDM

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



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