



Clean Liquid Systems, LLC

7422 Kearney Hill Lane

Spring, TX 77389

Phone# 713-253-0100 / 713-253-5001

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STRING WOUND CARTRIDGES

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

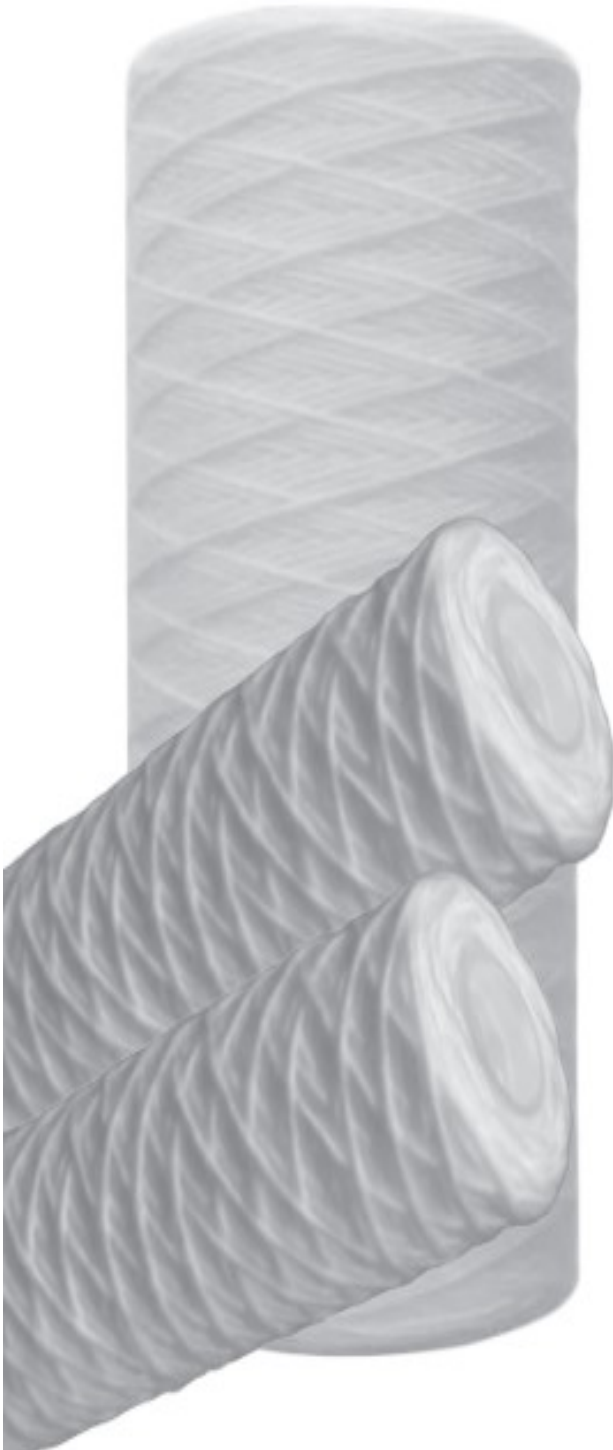
FEATURES AND SPECIFICATIONS

- 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





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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



226



222



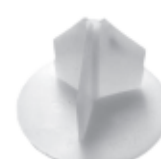
DOE Gasket



Closed



Spring



Fin



Core Extender

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 30	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	.5 30 1 50 3 75 5 100 10 125 15 150 20 200 25	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

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