



# STRING WOUND CARTRIDGES

W & WQ Series with Leading-Edge  
Depth Loading Technology

## FEATURES AND SPECIFICATIONS

- AMBF's 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

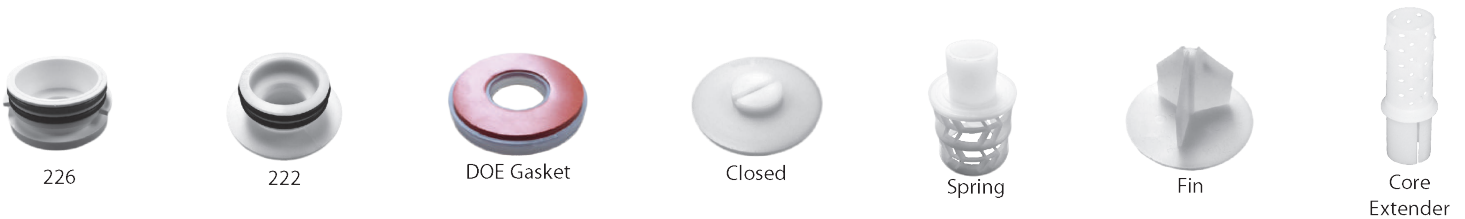


**"WS" String wound cartridges are  
Tested and Certified by WQA to:  
NSF/ANSI 61, NSF/ANSI 42 - Component,  
NSF/ANSI 372, CSA 483.1**



Media	Maximum Temperature	Applications
N- Natural Cotton	300°F / 150°F	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 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 eligible 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 incinerate 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. Fan to good acid and alkali 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
<b>W</b>	<b>P</b>	<b>10</b>	<b>S</b>	<b>3</b>	<b>E</b>	<b>X</b>	<b>1</b>	
<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	<b>.5</b> <b>30</b> <b>1</b> <b>50</b> <b>3</b> <b>75</b> <b>5</b> <b>100</b> <b>10</b> <b>125</b> <b>15</b> <b>150</b> <b>20</b> <b>200</b> <b>25</b>	<b>S</b> =2.5" Standard <b>M</b> =4.5" * <b>C</b> =Custom	<b>1</b> = 9.875 <b>2</b> = 9.75 <b>3</b> = 10 <b>4</b> = 19.5 <b>5</b> = 20 <b>6</b> = 29.25 <b>7</b> = 30 <b>8</b> = 39 <b>9</b> = 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	<b>1</b> = DOE/no caps ✓ <b>2</b> = 222/Fin ✓ <b>3</b> = 222/Spring ✓ <b>4</b> = 222/Closed ✓ <b>5</b> = 226/Closed <b>6</b> = 226/Fin <b>7</b> = 226/Spring <b>8</b> = SOE/Spring ✓ <b>9</b> = 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, ✓ Combinatinos are tested and certified by WQA.