

# CHEMTREX®

## WFSW SERIES Fibrillated String Wound Cartridge

**Chemtrex®** String Wound elements are manufactured in-house on custom, high-speed, computer-controlled machines for perfect thread spacing for optimal performances and efficiencies. Customized patterns and spacing offered to adapt to your specialized applications.

Our ink and paint elements have a 3-stage multi pattern winding process offering true depth loading and prevent core blinding

With 6 media selections and 13 micron ratings, we are sure to produce the element you require

All end Cap configurations available to fit your existing housing

FDA polypropylene and cotton constructed elements are FDA acceptable under CFR Title 21 for food and potable water contact

Standard diameters are 2.5 and 4.5"

Standard lengths from 9.75 to 40"

## Technical Features And Benefits

| Media                      | Maximum Temperature | Applications  |
|----------------------------|---------------------|---|
| N - Natural Cotton         | 300°F/ 150°C        | Same (non-FDA) applications as bleached cotton.   |
| C - Bleached Cotton<br>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 others chemicals. Very effective in low viscosity solutions.              |

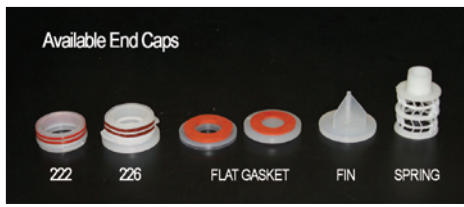


Filter Div. by Warco, Inc.

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| Media                   | Maximum Temperature | Applications   |
|-------------------------|---------------------|--|
| 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   |
| 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.   |
| 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.   |



## Building a Part Number

### ADDITIONAL OPTIONS

| FILTRATION TYPE | MEDIA   | MICRON   | CARTRIDGE DIAMETER   | CARTRIDGE LENGTH   | CORE MATERIAL   | CORE COVER  | END CAP  | GASKET/O-RING  |
|-----------------|---|--|--|--|---|---|--|--|
| <b>WFSW</b>     | <b>BC</b>   | <b>10</b>  | <b>R</b>   | <b>09</b>  | <b>P</b>  | <b>S</b>  | <b>3</b>   | <b>V</b>   |
| <b>WFSW</b>     | <b>BC</b> = Bleached cotton FDA<br><b>U</b> = Natural Cotton<br><b>P</b> = Industrial Polypropylene<br><b>PD</b> =FDA Polypropylene<br><b>G</b> = Fiberglass<br><b>Y</b> = Polyester<br><b>O</b> = Acrylic<br><b>R</b> =Rayon | <b>0.5</b><br><b>1</b><br><b>3</b><br><b>5</b><br><b>10</b><br><b>20</b><br><b>25</b><br><b>30</b><br><b>50</b><br><b>75</b><br><b>100</b><br><b>125</b><br><b>150</b> | <b>R</b> = 2.5" Standard<br><b>W</b> = 4.5" *<br><b>C</b> = Custom | <b>09</b> = 9.75<br><b>10</b> = 10<br><b>19</b> = 19.5<br><b>20</b> = 20<br><b>29</b> = 29.5<br><b>30</b> = 30<br><b>39</b> = 39<br><b>40</b> = 40<br><b>50</b> = 50 | <b>T</b> = Tin Plated Steel<br><b>P</b> = Polypropylene<br><b>S</b> = 304 Stainless Steel<br><b>A</b> = 316 Stainless Steel | <b>E</b> = Polypropylene<br><b>P</b> = Polyester<br><b>N</b> = Nylon<br><b>S</b> = Custom | <b>2</b> = 222/Fin<br><b>3</b> = 222/Spring<br><b>4</b> = 222/Flat<br><b>5</b> = 226/Flat<br><b>6</b> = 226/Fin<br><b>7</b> = 226/Spring<br><b>8</b> = SOE/Spring<br><b>9</b> = Flat Gasket<br><b>A</b> = Custom | <b>B</b> = Buna<br><b>V</b> = Viton®<br><b>T</b> = Teflon®<br><b>S</b> = Silicone<br><b>N</b> = Neoprene<br><b>D</b> = EPDM<br><br>(No selection required for DOE) |

\* 4.5" diameter, only DOE is available