ABSOLUTE CARTRIDGE FILTRATION
When Filtration Matters

WHY ABSOLUTE CARTRIDGE FILTRATION FROM WS?

Water Standard (WS) is your solution for cartridge filtration skid packages:

- **Better filtration performance.** Absolute filtration ensures efficient performance, protecting downstream assets and decreasing plant lifecycle costs.

- **Experienced process package supplier.** Knowledge of advanced specifications and a streamlined supply chain lead to high quality at competitive CAPEX.

- **Superior after-sales support.** Fast delivery and competitive prices for replacement elements limits downtime and decreases OPEX. Lab analysis services enable efficient troubleshooting.

TRUSTED SUPPLIER OF TURNKEY FILTRATION SOLUTIONS

In delivering filtration solutions for energy and industrial applications, WS provides:

- Laboratory diagnostic services
- On-site filter performance assessments
- Full engineering and design for skid packages
- In-house vessel manufacturing at ASME code facility
- In-house skid fabrication, inspection, testing, and delivery
- Supply of replacement WS filtration elements
# PRODUCT DETAILS

<table>
<thead>
<tr>
<th>Model #</th>
<th>Housing ID</th>
<th>No. of Elements</th>
<th>Filtration Area (m²)</th>
<th>Micron Rating</th>
<th>Removal Efficiency</th>
<th>Treatment Capacity (m³/hr)</th>
<th>Dirt Holding Capacity (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WSCF-400A</td>
<td>18&quot;</td>
<td>9</td>
<td>38</td>
<td>0.5 - 100</td>
<td>99 - 99.98%</td>
<td>46 - 460</td>
<td>17 - 25</td>
</tr>
<tr>
<td>WSCF-400B</td>
<td>24&quot;</td>
<td>18</td>
<td>75</td>
<td>0.5 - 100</td>
<td>99 - 99.98%</td>
<td>92 - 920</td>
<td>34 - 50</td>
</tr>
<tr>
<td>WSCF-400C</td>
<td>36&quot;</td>
<td>44</td>
<td>184</td>
<td>0.5 - 100</td>
<td>99 - 99.98%</td>
<td>225 - 2250</td>
<td>83 - 123</td>
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<tr>
<td>WSCF-400D</td>
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<td>81</td>
<td>339</td>
<td>0.5 - 100</td>
<td>99 - 99.98%</td>
<td>414 - 4140</td>
<td>152 - 226</td>
</tr>
<tr>
<td>WSCF-600A</td>
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<td>30</td>
<td>0.5 - 100</td>
<td>99 - 99.98%</td>
<td>36 - 360</td>
<td>30 - 45</td>
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<tr>
<td>WSCF-600B</td>
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<td>59</td>
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<td>99 - 99.98%</td>
<td>73 - 730</td>
<td>60 - 90</td>
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<tr>
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<td>0.5 - 100</td>
<td>99 - 99.98%</td>
<td>191 - 1910</td>
<td>157 - 235</td>
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<tr>
<td>WSCF-600D</td>
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<td>37</td>
<td>275</td>
<td>0.5 - 100</td>
<td>99 - 99.98%</td>
<td>336 - 3360</td>
<td>277 - 415</td>
</tr>
</tbody>
</table>

## SCOPE OF SUPPLY

- ASME Section VIII code housing in carbon steel or stainless steel construction
- Vessel head with davit arm and hand wheel
- Complete vessel internals – guide rods, tube sheet, baffle plate
- Local instrumentation for performance monitoring
- Structural steel skid and access platforms
- ASME compliant piping and valves
- WS 400 and 600 Series absolute cartridge filtration elements

## BENEFITS OF ABSOLUTE ELEMENTS

Each absolute rated cartridge element has a fixed pore media with a pleat designed to maximize effective surface area and dirt holding capacity while preventing particle unloading and fiber migration. The cartridge comes with a dual o-ring seal to ensure positive capture of solids with no leakage.

Absolute elements provide reliable results in critical filtration applications.

## STANDARD OPTIONS

- Glass flake lined carbon steel housing and 2205 duplex internals for corrosive service
- Vertical or horizontal vessel configuration
- Instruments/controls for remote monitoring
- High pressure housings up to 50 bar(g)
- Compliance with hazardous area classifications
- High flow designs to minimize footprint