QUAD SERIES
MELTBLOWN FILTERS
100% MADE IN THE U.S.A.

QUAD-PRO
- ANSI 61, 42 rated and FDA 21 Compliant
- Great Value
- No Glue or Binders
- High Dirt Loading
- Low Pressure Drop

QUAD-DLUXE
- 95% Efficiency at designated microns
- ANSI 61, 42 rated and FDA 21 Compliant
- Integrated 4 Stage Depth Loading
- High Dirt Loading
- Low Pressure Drop

QUAD-ELITE
- 99% Efficiency at designated microns
- ANSI 61, 42 rated and FDA 21 Compliant
- Integrated 4 Stage Depth Loading
- Cored Center for Filter Stability
- High Dirt Loading
- Heat set surface to stop fiber migration

QUAD-RO
- High-End Membrane Protection when it is Critical
- ANSI 61, 42 rated and FDA 21 Compliant
- Integrated 4 Stage Depth Loading
- Cored Center for Filter Stability
- High Dirt Loading
- Heat set surface to stop fiber migration
- Designed to protect membranes for SDI reduction

American Melt Blown & Filtration has brought back the filtration industry to the USA

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The best in meltblown is offered to you by American Melt Blown & Filtration

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The 4-zone technology allows the larger particles to be trapped on the outermost layers. The innermost layer is where the true efficiency rating is achieved. The two images show how there is a consistent dirt loading pattern throughout the life of the filter.

ADVANTAGES

• Removal from 1u to 100um

• Quad Zone technology allow the formation of 4 separate filtration zones within the depth of the filter cartridge.

• Continuous 4 zone structure provides effective pre-filtration and final filtration.

• State of the art computer controlled manufacturing process delivers an extremely accurate and consistent product per each zone for proper fiber sizing.

• High-strength polypropylene core maximizes flow and optimizes each of the 4 zones. All 4 series may be cored, if required.

• 100% polypropylene construction allows a wide range of uses, including FDA compliant material for food and beverage contact under CFR Title 21.

• All Quad Series cartridges are free of surfactants, binders or adhesives of any kind.

• Continuous lengths up to 72”.

• All End Configurations available to fit most industry standards.

• ANSI 61, 42 and FDA 21 Compliant

• All end caps are thermal bonded, no glues or adhesives are used.
Image A is a microscopic photo of the outer surface of a typical melt blown filter. Most competitors blind off the surface of the filter to create smaller openings to achieve higher efficiencies. The ability to control the inner layer’s efficiency separately, allows the Quad BE Series to have a more open outer surface as in Image B. Not having to sacrifice dirt holding capacity to achieve high efficiency is why the Quad BE Series is superior to other melt blown filters.

FLOW RATES VS DIFFERENTIAL PRESSURE

**QUAD RO**

![Graph](image1)

**QUAD ELITE**

![Graph](image2)

**QUAD DELUXE**

![Graph](image3)

**QUAD PRO**

![Graph](image4)
**SPECIFICATIONS**

- **Maximum Forward Differential Pressure**
  - 40 psid (1.7 bar) @ 150°F (66°C)
  - 60 psid (3.4 bar) @ 86°F (30°C)

- **Recommended Change Out Differential Pressure**
  - 35 psid (2.4 bar)

- **Micron Ratings**
  - 1, 5, 10, 20, 25, 50, 75 & 100

- **Biosafety**
  - All polypropylene components meet the specifications for biological safety per the USP for Class VI-121°C plastics.

- **FDA Listed Materials**
  - All materials used in construction are listed for food and beverage applications in Title 21 of the U.S. Code of Federal Regulations.

- **ANSI 42 and 61 rated for potable water.**

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**END CAP CONFIGURATIONS**

- 226
- 222
- Flat
- Closed
- Spring
- Fin

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**BUILDING A PART NUMBER**

<table>
<thead>
<tr>
<th>MELT BLOWN</th>
<th>MEDIA</th>
<th>MICRON</th>
<th>DIAMETER</th>
<th>LENGTH</th>
<th>SERIES</th>
<th>CORE (OPTIONAL)</th>
<th>END CAP</th>
<th>GASKET/ O-RING</th>
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<tbody>
<tr>
<td>B</td>
<td>E</td>
<td>1</td>
<td>S = 2.5”</td>
<td>2</td>
<td>X</td>
<td>H = Polypropylene Core</td>
<td>1 = DOE/no caps</td>
<td>B = Buna</td>
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<tr>
<td></td>
<td></td>
<td>5</td>
<td></td>
<td>3</td>
<td></td>
<td></td>
<td>2 = 222/FIn</td>
<td>V = Viton*</td>
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<tr>
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<td></td>
<td>10</td>
<td></td>
<td>4</td>
<td></td>
<td></td>
<td>3 = 222/Spring</td>
<td>T = Teflon*</td>
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<tr>
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<td>5</td>
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<td></td>
<td>4 = 222/Flat</td>
<td>S = Silicone</td>
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<td>25</td>
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<td>6</td>
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<td>5 = 226/Flat</td>
<td>N = Neoprene</td>
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<td>30</td>
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<td>6 = 226/FIn</td>
<td>D = EPDM</td>
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<td></td>
<td>50</td>
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<td>8</td>
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<td>7 = 226/Spring</td>
<td>P = Polyfoam</td>
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<td>75</td>
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<td>9</td>
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<td></td>
<td>8 = SOE/Spring</td>
<td>(No Selection required for DOE)</td>
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<tr>
<td></td>
<td></td>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>9 = Flat Gasket</td>
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*4.5” Diameter, only DOE is available*

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**Limited Warranty**

American Melt Blown & Filtration, Inc. warrants that all products are free from defects in material and workmanship during normal use for a period of one (1) year from the date of shipment from our factory. Defects that have resulted from improper or unreasonable use or maintenance, accident, improper packing, unauthorized tampering, alteration or modification are not covered.

**Limitation on Liability**

This limited warranty ONLY COVERS failures due to defects in materials or workmanship and DOES NOT COVER failure due to user’s particular purpose or application where the product was installed.