



### Product Specifications

**Medias:**

**PEM:** Polyester mesh

**NMO:** Nylon mesh

**PPMO:** Polypropylene mesh

**Micron Rating:**

1 (nylon only)

5 (nylon only)

10 (nylon only)

25 (nylon only)

50 (nylon only)

75

100

150

200

250

300

400

500

600

800

1000

1200

### Operating Parameters

**Recommended Maximum**

**Change-Out Differential Pressure:**

25 psid (1.72 bar)

**Max Temperature:**

-Polypropylene - 200°F (93°C)

-Polyester - 275°F (135°C)

-Nylon - 275°F (135°C)

## Mesh Filter Bags

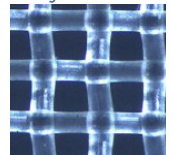
Vytal Filtration Technologies' mesh monofilament and multifilament filter bags provide precision surface filtration, ideal for applications where particles larger than the mesh rating must be retained. These bags are typically not absolute-rated.

All media types are available in a range of sizes and can be paired with an FDA-compliant, chemically resistant polypropylene collar that provides a secure four-point positive seal.

### Nylon Mesh

Nylon monofilament (NMO) bags span 1-1200 microns and offer reliable thermal and chemical durability, consistent openings and customization options, and silicone-free media.

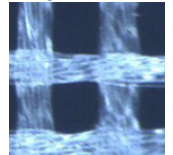
Nylon Mesh



### Polyester Mesh

Polyester multifilament (PEM) bags, offered in 1-2000 microns, deliver a durable multifilament structure, full seam and retainer options, plus customization to meet process-specific needs.

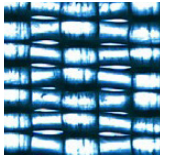
Polyester Mesh



### Polypropylene Mesh

Polypropylene monofilament mesh (PPMO) filter bags are available in a 100-800-micron range and provide strong chemical resistance.

Polypropylene Mesh

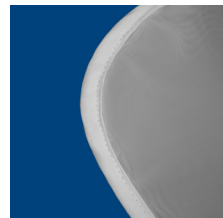


## Typical Applications

- Automotive
- Food and beverage
- Oil and gas
- Paint and chemicals



Multiple Retainer Options



Multiple Seam Configurations



Tie On for Gravity or Low Flow Applications

# DESIGN DATA

| Bag Size | Surface Area |         | Flow Rate* |        | Volume |         |
|----------|--------------|---------|------------|--------|--------|---------|
|          | #            | sq. ft. | sq. cm     | US GPM | L/sec  | US Gal. |
| 1        | 2.25         | 2100    | 80         | 5      | 1.8    | 8.8     |
| 2        | 4.2          | 3900    | 150        | 9.5    | 4      | 17      |
| 3        | 0.65         | 600     | 25         | 1.5    | 0.35   | 1.4     |
| 4        | 1            | 925     | 50         | 3.1    | 0.6    | 2.5     |

\* Based on water. Viscosity and dirt load to be considered.

## THERMAL AND CHEMICAL COMPATIBILITIES

| Media         | Max. Temperature (F) | Acids     | Alkali    | Solvents |
|---------------|----------------------|-----------|-----------|----------|
| Polyester     | 275                  | Good      | Poor      | Good     |
| Polypropylene | 200                  | Excellent | Excellent | Poor     |
| Nylon         | 275                  | Poor      | Excellent | Good     |

\* This guide contains general information. Actual use or soak tests must be performed to confirm compatibility.

## PRODUCT IDENTIFICATION

| Manufacturer | Media   | Micron Rating (µm)  | Cover Material     | Bag Size (D x L)   | Retainer Style  | Options (if applicable)  |
|--------------|---|---|--------------------|--|---|--|
| <b>V</b>     | <b>PEM</b>  | <b>100</b>  | <b>P</b>           | <b>5</b>   | <b>P</b>  | <b>H</b>   |
| V            | PEM = Polyester multifilament mesh<br>NMO = Nylon monofilament mesh<br>PPMO = Polypropylene monofilament mesh | 1<br>5<br>10<br>25<br>50<br>75<br>100<br>150<br>200<br>250<br>300<br>400<br>500<br>600<br>800<br>1000<br>1200 | P= Plain, no cover | 1= 7" D x 16.5" OAL<br>2= 7" D x 32" OAL<br>3= 4" D x 8" OAL<br>4= 4" D x 14" OAL<br>5= 7.5" D x 16" OAL<br>6= 7.5" D x 32" OAL<br>7= 5.5" D x 15" OAL<br>8= 5.5" D x 21" OAL<br>9= 5.5" D x 31" OAL<br>10= 8" D x 32" OAL | S= Zinc plated carbon steel ring<br>SS= 304 stainless steel ring<br>P= Polypropylene flange<br>K= Polyester flange<br>D= Drawstring<br>E= Elastic<br>PR= Plastic ring | H= Integral handle<br>HH= Heavy strap handle<br>LH= Loop handle<br>A= Automotive seam inside<br>R= Reinforced seam<br>B= Bound seam<br>M= Modification |

- » Industry Standard sizes are stocked and ready to ship
- » Custom manufacturing available



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