



# ACCUFIT® WELDED EXPANDED MEDIA LIQUID FILTER BAGS

## Accufit® Welded Expanded Media

A unique filter bag designed for demanding, high purity liquid filtration applications has been developed offering superb flow, robust solids loading, minimal differential pressure, and precise micron retention—all essential requirements for maximizing results...

Specifically manufactured for high solids loading and strength; excellent for high purity chemical and water, pharmaceutical, food, edible or high purity synthetic oils, bio-fuels and cosmetic use; superb quality filtering incorporates convenience, cleanliness and productivity. These filters are available in quad, six, eight, ten-wall, or more laminated plies, are non-fiber shedding and can handle elevated temperatures (in 100% Nylon or Polypropylene). Graded-density and/or redundant layers of FDA compliant monofilament are ultrasonically laminated and formed, and use a non-bypassing sealing collar with removal handles. Accufit Welded Expanded Media is designed in accordance with the ISO 4406:1999 standard.

The filter media loads on the surface of the filter, trapping particles in its many tortuous grid paths. Useful for high-flow and strength, without significant increased differential pressure imposed from the filter. It is the opposite of a depth filter—one that loads particulate on the surface of the filtering layers—not in them. As such, when finished, it will hold large amounts of solids—and still drain liquid, as it is highly porous. One of the unique features of this filter is that it may be "tweaked" as necessary to accommodate a wide array of liquid filtering conditions—e.g. greater throughput, tighter micron retention, etc...

## EXPANDED MEDIA MODEL NUMBER CODING SYSTEM



(NMO) NYLON MONOFILAMENT  
(PMO) POLYPROPYLENE MONOFILAMENT

BAG SIZE

INTEGRATED POLYMERIC SUPPORT®

**NMO-100-QW-P2-DP-IP**

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OPTIONS

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BASE LAYER AND NUMBER OF PLYS

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DELTA-P INSERT  
STRUCTURAL SUPPORT

| EXAMPLES      | FILTRATION RANGE (µm) | MICRON RATINGS ACHIEVED FROM CONFIGURATION OF LAMINATED LAYERS |                |      |      |      |      |      |      |       |      |        |        |      |
|---------------|-----------------------|----------------------------------------------------------------|----------------|------|------|------|------|------|------|-------|------|--------|--------|------|
|               |                       | MATERIAL MICRON RATING                                         | NUMBER OF PLYS |      |      |      |      |      |      |       |      |        |        |      |
|               |                       | DW 2                                                           | TW 3           | QW 4 | 5    | SW 6 | 7    | EW 8 | 9    | XW 10 | 11   | XII 12 | XIV 14 |      |
| NMO-40-QW-P2  | 40 µm – 14 µm         | 40                                                             | 28.8           | 20.7 | 14.9 | 10.7 | 7.7  | 5.6  | 4.0  | 2.9   | 2.1  | 1.5    | 1.1    | 0.6  |
| NMO-40-EW-P2  | 40 µm – 4 µm          | 65                                                             | 46.8           | 33.7 | 24.3 | 17.5 | 12.6 | 9.1  | 6.5  | 4.7   | 3.4  | 2.4    | 1.8    | 0.9  |
| NMO-40-XW-P2  | 40 µm – 2 µm          | 100                                                            | 72.0           | 51.8 | 37.3 | 26.9 | 19.3 | 13.9 | 10.0 | 7.2   | 5.2  | 3.7    | 2.7    | 1.4  |
| NMO-40-XII-P2 | 40 µm – 1 µm          | 150                                                            | 108            | 77.8 | 56.0 | 40.3 | 29.0 | 20.9 | 15.0 | 10.8  | 7.8  | 5.6    | 4.0    | 2.1  |
| PMO-100-QW-P2 | 100 µm – 37 µm        | 200                                                            | 144            | 104  | 74.6 | 53.7 | 38.7 | 27.9 | 20.1 | 14.4  | 10.4 | 7.5    | 5.4    | 2.8  |
| PMO-100-SW-P2 | 100 µm – 19 µm        | 400                                                            | 288            | 207  | 149  | 107  | 77.4 | 55.7 | 40.1 | 28.9  | 20.8 | 15.0   | 10.8   | 5.6  |
| PMO-100-EW-P2 | 100 µm – 10 µm        | 600                                                            | 432            | 311  | 224  | 161  | 116  | 83.6 | 60.2 | 43.3  | 31.2 | 22.5   | 16.2   | 8.4  |
| PMO-100-XW-P2 | 100 µm – 5 µm         | 800                                                            | 576            | 415  | 299  | 215  | 155  | 111  | 80.2 | 57.8  | 41.6 | 30.0   | 21.6   | 11.2 |

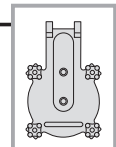
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**Product Specifications:** With over 50 years of industry expertise and proven performance, Filtration Systems manufactures responsibly priced, quality products. We continually strive to improve our products through ongoing research and development; therefore, we reserve the right to change specifications without notice.

**Intellectual Property:** Filtration Systems products offer exclusive manufacturing technology. Our company is committed to protecting its patents, trademarks, and proprietary rights from those who would wrongfully use them.

**Filtration Systems**

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ISO 9001:2015 Certified  
AWEM-10/22

# MONOFILAMENT FILTERING LAYERS

*Enlarged to Show Detail*

## **ACCUFIT® WELDED EXPANDED MEDIA LIQUID FILTER BAGS**

- Multi-layer, Surface Loading Trap Filter
- 100% FDA compliant Nylon or Polypropylene, including Zero-Bypass® Collar
- Thermally and chemically compatible with a broad range of applications
- Sustains temperatures up to 340°F (Nylon), 180°F (Polypropylene)
  - Individually wrapped for cleanliness
  - Available Micron Ratings: <1.0 - 600