

## INDUSTRIAL BP, BPHE, & BN SERIES FILTER BAGS

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Industrial<sup>®</sup> BP, BPHE & BN Series Filter Bags feature a thermally-welded, unique design that results in consistent filtration efficiencies. They are designed to fit the BPHE-410 and BPHE-420 Housings. Higher productivity can be achieved with faster bag change-outs. The semi-rigid cylindrical design is easily crushed and incinerated.

### FEATURES/BENEFITS

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#### **BP Series (Polypropylene Felt)**

Filtration ratings from 1 to 200 microns nominal to comply with any filtration requirement

Manufactured from felt due to its high solids loading capabilities versus similar mesh fabrics

A glazed finish, created by melting the outermost surface fibers, is used to produce a bond that reduces the possibility of migration

#### **BPHE Series (High-Efficiency)**

For those critical applications when high-efficiency combined with high dirt-holding capacity is required

Polypropylene materials are processed into microfibers with diameters of 1 to 10 microns or more, then converted into filter material

Microfiber media is covered with spun-bonded polypropylene

#### **BN Series (Strainer)**

Woven monofilament materials are offered in nylon with nominal micron ratings of 50 to 800

Efficiencies from 75 to 95%

Materials are cleanable and reusable

### APPLICATIONS

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Acids

Alkalis

Corrosive Fluids

Micro-organisms

Oils

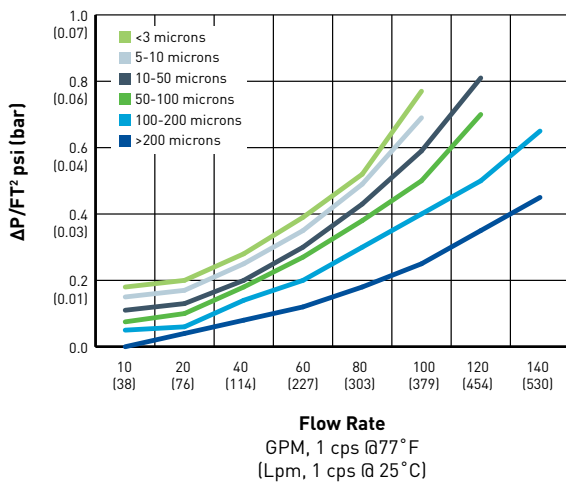
Organic Solvents

## BAG SPECIFICATIONS & PERFORMANCE

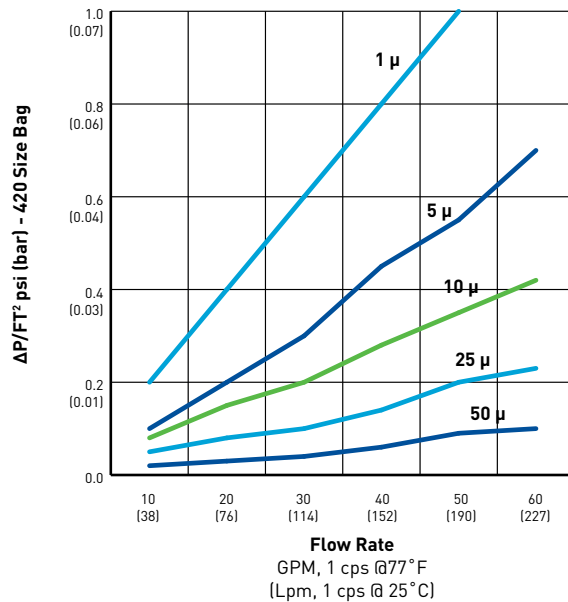
MODEL	DIMENSIONS	FILTER MEDIA	μ (NOMINAL)	CASE QTY.	MAX. TEMP.
BP-410	4" x 8.625" (102 mm x 218 mm)	Glazed polypropylene felt	1, 5, 10, 25, 50, 100, 200	20	200°F (93.3°C)
BP-420	4" x 18" (102 mm x 457 mm)	Glazed polypropylene felt	1, 5, 10, 25, 50, 100, 200	20	
BPHE-410	4" x 8.625" (102 mm x 218 mm)	Polypropylene microfibers with spun-bonded polypropylene covers	1, 5, 10, 25, 50, 75, 100	20	
BPHE-420	4" x 18" (102 mm x 457 mm)	Polypropylene microfibers with spun-bonded polypropylene covers	1, 5, 10, 25, 50, 75, 100	20	
BN-410	4" x 8.625" (102 mm x 218 mm)	Nylon monofilament mesh	50, 100, 150, 200, 250, 300, 400, 600, 800	20	
BN-420	4" x 18" (102 mm x 457 mm)	Nylon monofilament mesh	50, 100, 150, 200, 250, 300, 400, 600, 800	20	

## PRESSURE DROP VS FLOW RATE

### Polypropylene Felt Bags



### High Efficiency Bags



## CORRECTION CHART

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The following chart is based on 1 centipoise. (CPS)

If your liquid is greater than 1 CPS:

1. Select your liquid's viscosity
2. Determine your correction factor

EX: If your liquid's viscosity is 100,  
your correction factor is 8.3

3. Multiply the Bag Selection Guide (left) by your correction factor

VISCOSITY (CPS)	CORRECTION FACTOR
50	4.5
100	8.3
200	16.6
400	27.7
800	50.0
1,000	56.2
1,500	77.2
2,000	113.6
4,000	161.0
6,000	250.0
8,000	325.0
10,000	430.0

*WARNING: For drinking water applications, do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.*

*NOTE: This information is for general guidance. Users should test bag materials with media involved to determine compatibility.*

*CAUTION: Protect against freezing to prevent cracking of the filter and water leakage.*



**WATER QUALITY SYSTEMS**

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