

INDUSTRIAL BP, BPHE, & BN SERIES FILTER BAGS



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

BP Series (Polypropylene Felt)

Filtration ratings from 1 to 200 microns 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 micron ratings of 50 to 800
Efficiencies from 75 to 95%
Materials are cleanable and reusable

APPLICATIONS

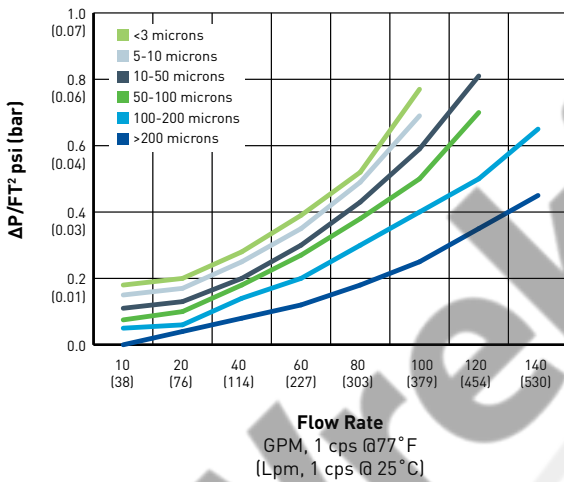
Acids
Alkalis
Corrosive Fluids
Micro-organisms
Oils
Organic Solvents

BAG SPECIFICATIONS & PERFORMANCE

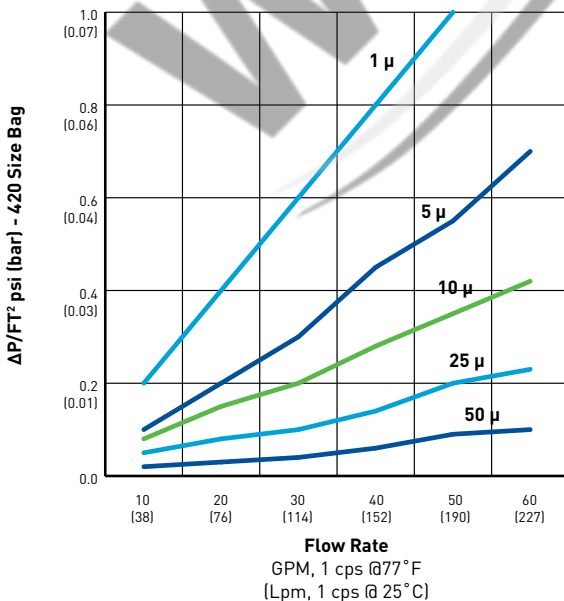
| MODEL | DIMENSIONS | FILTER MEDIA | μ | CASE QTY. | MAX. TEMP. |
|----------|-------------------------------|---|--|-----------|-------------------|
| BP-410 | 4" x 8.625" (102 mm x 218 mm) | Glazed polypropylene felt | 1, 5, 10, 25, 50, 100, 200 | 20 | 200°F (93.3°C) |
| BP-420 | 4" x 18" (102 mm 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

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.

Wrekin Water



FILTRATION & PROCESS

5730 NORTH GLEN PARK ROAD, MILWAUKEE, WI 53209

P: 262.238.4400 | F: 262.238.4404 | WWW.PENTAIRINDUSTRIAL.COM | CUSTOMER CARE: 800.279.9404

All Pentair trademarks and logos are owned by Pentair, Inc. or its affiliates. All other registered and unregistered trademarks and logos are the property of their respective owners. Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice. Pentair is an equal opportunity employer.

4003015 Rev D DE14 © 2014 Pentair Residential Filtration, LLC. All rights reserved.