



## BP, BPHE AND BN SERIES FILTER BAGS

- Thermally welded unique design results in consistent filtration efficiencies
- Semi-rigid cylindrical design is easily crushed and incinerated
- Higher productivity – faster bag “change-outs”

Polypropylene bags are compatible with a broad range of corrosive fluids including organic solvents, oils, acids, alkalis and micro-organisms.

### BP Series (Polypropylene Felt) Bags

An assortment of filtration ratings is offered – from 1 to 200 microns – to comply with any filtration requirement.

The bags are manufactured from felt because of its high solids loading capabilities, in comparison to similar mesh fabrics. The media is created by needle-punching two layers of synthetic fibers together in a supporting scrim. 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) Bags

High efficiency bags are offered for those critical applications when high efficiency combined with high dirt-holding capacity is required. Polypropylene materials are processed into microfibers with diameters of 1-10 microns or more. These fibers are converted into filter material. Microfiber media are covered with spun-bonded polypropylene.

### BN Series (Strainer) Bags

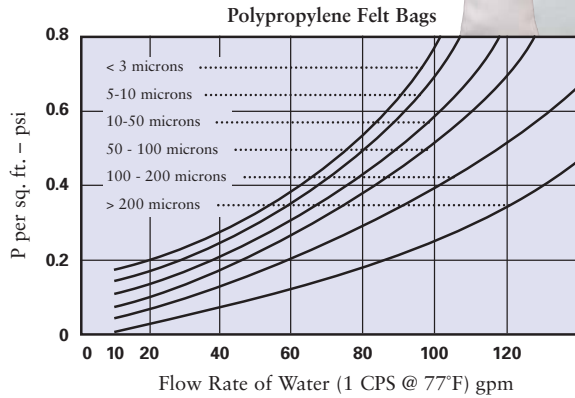
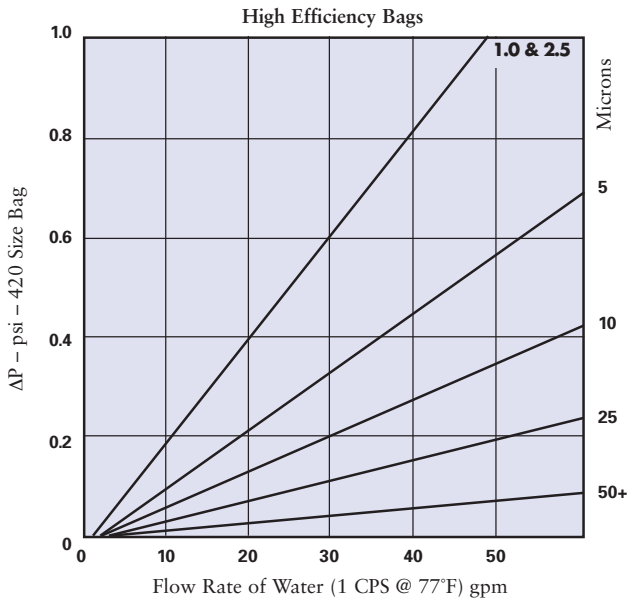
Woven monofilament materials are offered in nylon with micron ratings of 50-800 and efficiencies from 75 to 95 percent. The materials are cleanable and reusable.



**PENTEK**  
FILTRATION

Pure Quality.™

# BP, BPHE and BN SERIES Filter Bags



Viscosity (cps)											
50	100	200	400	800	1000	1500	2000	4000	6000	8000	10000
4.5	8.3	16.6	27.7	50.0	56.2	77.2	113.6	161.0	250.0	325.0	430.0
Correction Factor											

1. The graph shows the ΔP produced by a 420 size filter bag of water, 1 cps @ 77°F.
2. If a 410 size bag is being used, multiply the value obtained by 2.33.
3. Strainer bags can be said to have the same ΔP as felt bags.

## Bag Specifications and Performance Data

Model	Dimensions	Filter Media	Micron Rating	Case Quantity
BP-410 BP-420	4" x 8-5/8" (102 mm x 218 mm) 4" x 18" (102 mm x 457 mm)	Glazed Polypropylene Felt	1, 5, 10, 25, 50, 100, 200	20
BPHE-10 BPHE-20	4" x 8-5/8" (102 mm x 218 mm) 4" x 18" (102 mm x 457 mm)	Polypropylene microfibers with spun-bonded polypropylene covers	1, 2.5, 5, 10, 25, 50, 75, 100	20
BN-410 BN-420	4" x 8-5/8" (102 mm x 218 mm) 4" x 18" (102 mm x 457 mm)	Nylon monofilament mesh	50, 100, 150, 200, 250, 300, 400, 600, 800	20

- **Maximum Temperature** 200°F (93.3°C) (bags only)  
See application literature for housing rating.

**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.



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