

## PENTEK® BP-420, BPHE-420, BN-420 SERIES FILTER BAGS

SUPERIOR PERFORMANCE IN CORROSIVE FLUIDS WITH HIGH SOLIDS-LOADING CAPABILITY



BP-420

Pentair® Pentek® Polypropylene Filter Bags are compatible with a broad range of corrosive fluids including organic solvents, oils, acids, alkalis and micro-organisms.

**BP-420 (Polypropylene Felt) Bags** offer an assortment of filtration ratings from 1-200 microns to comply with any filtration requirement. The bags are manufactured from felt due to 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-420 Series (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-420 Series (Strainer) Bags** produced with woven monofilament materials are offered in nylon with micron ratings of 50-800 and efficiencies from 75-95%. The materials are cleanable and reusable.

### FEATURES/BENEFITS

Semi-rigid cylindrical design is easily crushed and incinerated

For use with Pentair Pentek PBH-420 Housing

Higher productivity – faster bag “change-outs”

Thermally welded unique design results in consistent filtration efficiencies

Nominal 1-800 micron ratings

### SPECIFICATIONS

Filter Media

**BP:** Glazed polypropylene felt

**BPHE:** Polypropylene microfibers

**BN:** Nylon monofilament mesh

Temperature Rating–  
40-200°F (4.4-93.3°C)\*

*\*See housing literature for specification information*

## SPECIFICATIONS AND PERFORMANCE

PART #	MODEL #	MAXIMUM DIMENSIONS	MICRON RATING (NOMINAL)*	CASE QUANTITY
155384-03	BP-420-1	4" x 18" (102 mm x 457 mm)	1	20
155386-03	BP-420-5	4" x 18" (102 mm x 457 mm)	5	20
155388-03	BP-420-10	4" x 18" (102 mm x 457 mm)	10	20
155390-03	BP-420-25	4" x 18" (102 mm x 457 mm)	25	20
155392-03	BP-420-50	4" x 18" (102 mm x 457 mm)	50	20
155394-03	BP-420-100	4" x 18" (102 mm x 457 mm)	100	20
155396-03	BP-420-200	4" x 18" (102 mm x 457 mm)	200	20
255024-03	BPHE-420-1	4" x 18" (102 mm x 457 mm)	1	20
255026-03	BPHE-420-5	4" x 18" (102 mm x 457 mm)	5	20
255028-03	BPHE-420-25	4" x 18" (102 mm x 457 mm)	25	20
255029-03	BPHE-420-50	4" x 18" (102 mm x 457 mm)	50	20
255030-03	BPHE-420-75	4" x 18" (102 mm x 457 mm)	75	20
255031-03	BPHE-420-100	4" x 18" (102 mm x 457 mm)	100	20
255255-03	BN-420-50	4" x 18" (102 mm x 457 mm)	50	20
255032-03	BN-420-100	4" x 18" (102 mm x 457 mm)	100	20
255034-03	BN-420-200	4" x 18" (102 mm x 457 mm)	200	20
255035-03	BN-420-250	4" x 18" (102 mm x 457 mm)	250	20
255036-03	BN-420-300	4" x 18" (102 mm x 457 mm)	300	20
255037-03	BN-420-400	4" x 18" (102 mm x 457 mm)	400	20
255038-03	BN-420-600	4" x 18" (102 mm x 457 mm)	600	20
255039-03	BN-420-800	4" x 18" (102 mm x 457 mm)	800	20

\*Based on manufacturer's internal testing.

**WARNING:** 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.

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											



### FILTRATION & PROCESS

5730 NORTH GLEN PARK ROAD, MILWAUKEE, WI 53209

P: 262.238.4400 | F: 262.238.4404 | WWW.PENTAIRAQUA.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.

4002880 REV B AP14 © 2014 Pentair Residential Filtration, LLC All Rights Reserved.