

MicroSentry™ HTF Series

Filter Bags



- Wide variety of styles and materials for most industrial applications
- Standard #1, #2, #3 and #4 size bags to fit most major manufacturers' housings
- Available in 1 to 1500 microns retention ratings
- High quality felt media provides highest particle retention and largest solids-loading capacity
- Monofilament mesh media offers precise pore sizes and are suitable for reuse applications
- Bag seals available with steel, stainless steel or plastic rings or plastic flanges with integral handles for positive sealing
- Media options include polypropylene, polyester, Nylon, Nomex for high temperatures and Teflon for widest range of chemical compatibility
- Glazed media finish reduces media migration
- Heavy duty fiber handles available for easy removal

Applications

Paint / Inks	Coatings
Lubricants	Resins
Beverages	Parts Washers
Process Water	Pre-filtration
Water & Wastewater	Chemicals

Specifications & Operating Parameters

Pore Sizes 1, 3, 5, 10, 2, 50, 75, 100, 150, 200, 250, 300, 400, 600, 800, 1200, 1500 microns

Materials of Construction

Bags: Polypropylene felt
Polypropylene melt blown
Polypropylene Monofilament
Polyester felt
Polyester Multifilament
Nylon Monofilament
Oil Absorbent (polypropylene)

Rings: Polypropylene
Stainless Steel
Steel

Flanges: Polypropylene

Maximum Temperature

Polypropylene 180°F (82°C)
Polyester 300°F (149°C)
Nylon 250°F (121°C)

Recommended Change-out Differential Pressure

20 psid (1.4 bar)

Bag Sizes

#1 7" Diameter x 16.5" Length
#2 7" Diameter x 32" Length
#3 4" Diameter x 8" Length
#4 4" Diameter x 14" Length

Bag Construction

Felt Bags:

Filtration felt is a low cost, disposable media with particle retention from 1 to 200 microns. It provides moderate depth filtration and high solids loading capacity. Felt Bags are available in polyester and Polypropylene. The felts are glazed to minimize media migration.

High Efficiency Melt Blown Polypropylene Bags:

High efficiency polypropylene bags are constructed of multi-layer media including melt-blown polypropylene media for high particle retention efficiency for more critical applications. The filter bags are rated for 90%, 95% and 99% retention efficiencies.

Monofilament Mesh Bags:

Monofilament mesh is an extremely strong material with precise weaving to ensure consistent pore sizes. It is reusable in many applications. Nylon, polyester and polypropylene media is available with micron ratings from 1-200 microns.

Multifilament Mesh Bags:

Multifilament mesh is a low cost media with micron ratings from 100 to 1500 microns. It is used in applications where the extra strength of a monofilament is not needed. Multifilament bags are available in Polyester only.

Material Selection Guide

FILTER MEDIUM	POLYPROPYLENE	POLYESTER	NYLON
Compatible with			
Potable liquids, water	4	3	1
Organic Solvents	3	4	4
Oils	2	3	4
Organic Acids	4	3	2
Alkalies	4	0	4
Oxidizing Acids	1	3	2
Strong Inorganic Acids	4	2	0
Dilute Inorganic Acids	4	3	1

0 = Not Recommended, 1 = Poor, 2 = Fair, 3 = Good, 4 = Excellent

Ordering Guide (Example: BPG-5-2PF)

B	PG	5	-	2	PF	
MODEL	MEDIA	MICRON		BAG SIZE	RING	OPTION
B	PG = Polypropylene Glazed HPG = High Efficiency Polypropylene* PMO = Polypropylene Monofilament EG = Polyester Glazed EMO = Polyester Monofilament EMU = Polyester Multifilament+ NMO = Nylon Monofilament OA = Oil Absorbent	1 150 3 200 5 250 10 300 25 400 50 600 75 800 100 1000		1 2 3 4	S = Steel SS = Stainless Steel P = Polypropylene PF = Polypropylene Flange DS = Draw String	Blank = None H = Handle

* For HPG bags, add -A for 99% efficiency, -B for 95% efficiency and -C for 90% efficiency
+ Multifilament bags are available in 100 micron and above.

Filter Housings

Shelco manufactures a full line of filter housings. From our rugged single cartridge housings to our heavy duty multi-cartridge housings and bag filter housings, Shelco is the perfect choice for your filtration solutions.