

Bag Filters

- mixed media, mesh and felt

Parker domnick hunter's range of bag filters are manufactured from a variety of filter media each specifically chosen for its compatibility with a wide range of process liquids. Parker bag filters are of a fully welded design rather than sewn. No process liquid can bypass through needle holes caused by the sewing process or around a sewn ring. Parker domnick hunter's range of filter bags include:

Standard filter bags
Available in polypropylene, polyester and nylon from 1 to 1000µm.

Extended life bags
Increased thickness of the filter media can increase lifetime by up to 5 times that of a standard bag.

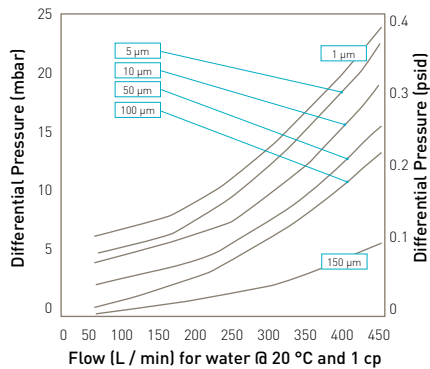
The filtration mechanism employed within filter bags allows high flow rates and high dirt holding capacity, this combined with low maintenance cost and quick change-out makes bag filtration an extremely cost effective means of liquid filtration. Bags are available to suit most common filter housings.



Features and Benefits

- From 1 to 11000 microns
- Low maintenance costs and quick change-out

Performance Characteristics



For double length bags multiply flow rate by 2.1
For triple length by 3.2

Felt Media

Bag size	Diameter	Length	Surface Area	Volume	Max Flow Rate
1	7" (180 mm)	17" (435 mm)	0.25 m ²	11.0 ltr	20 m ³ /hr
2	7" (180 mm)	32" (810 mm)	0.5 m ²	20.5 ltr	40 m ³ /hr
1 (mini)	4" (104 mm)	9" (230 mm)	0.07 m ²	1.9 ltr	6 m ³ /hr
2 (mini)	4" (180 mm)	15" (380 mm)	0.12 m ²	3.2 ltr	10 m ³ /hr

Flow rate is dependant upon media type, micron rating and the fluid being filtered

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Specifications

Materials of Construction

- Filtration Media: Polypropylene Felt, Viscose Felt, Nylon Felt, Polyester Felt, Nomex* Felt, Nylon Mesh
- Ring: Electro Plated Steel, Stainless Steel, Moulded Polypropylene, Polypropylene, Moulded Santoprene

*Nomex is a registered trademark of E.I. du Pont de Numours and Co Inc.

Viscous Flow Correction Factors

Viscous Correction Factors													
Fluid Viscosity (cps)	10000	8000	6000	4000	2000	1500	1000	800	600	400	200	100	1
Flow rate (% water)	2.1	2.6	3.5	5	8	11	16	17	25	35	58	58	100

Compatibility

Material	Max Temperature	Organic Solvents	Oils and Fats	Alkalies	Organic Acids	Mineral Acids	Oxidising Agents	Resistance micro-organisms
Polypropylene	95°C (203°F)	Good	V. Good	Good	V. Good	Good	Fair	Fair
Viscose	121°C (250°F)	V. Good	V. Good	Good	Good	Poor	Fair	Fair
Polyester	150°C (302°F)	V. Good	V. Good	Good	Good	Good	Good	Good
Nylon	135°C (275°F)	V. Good	V. Good	Good	Fair	Poor	Poor	Poor
Nomex	220°C (428°F)	V. Good	V. Good	Good	Fair	Fair	Poor	Poor

Applications

- Paints
- Pigments
- Lacquers
- Varnishes
- Inks
- Waxes
- Coolants
- Cutting oils
- Process waters
- Acrylics

Ordering Information

Bag Filters Standard

Code Style	Code Diameter	Code Yarn	Code Media	Code Felt Rating	Code Mesh Rating	Code Ring	Code Ring
SG Ring	7 Standard	1 Single	P Polypropylene Felt	001 1*	045 45	E Electro Plated Steel	H Handles
SC Band	4 Mini	2 Double	V Viscose Felt	005 5	100 100	S Stainless Steel	L Loops
		3 Triple	N Nylon Felt	010 10	150 150	M Moulded PP	
			S Polyester Felt	025 25	250 250	P Polypropylene	
			T Nomex Felt	050 50	500 500		
			M Nylon Mesh	100 100	800 800		
				150 150	999 1000		

*Not viscose

Extended Life Bag Filters

Code Style	Code Diameter	Code Yarn	Code Media	Code Felt Rating	Code Ring	Code Ring
SG Standard	7 Standard	1 Single	G PP Extra Life	001 1*	E Electro Plated Steel	X Plain
	4 Mini	2 Double	F PE Extra Life	005 5	S Stainless Steel	L Loops
		3 Triple		010 10	M Moulded PP	
				025 25	G Moulded P/Est	
				050 50	Q Moulded Santoprene	
				100 100		

*Not viscose

Parker domnick hunter has a continuous policy of product development and although the Company reserves the right to change specifications, it attempts to keep customers informed of any alterations. This publication is for general information only and customers are requested to contact our Process Filtration Sales Department for detailed information and advice on a products suitability for specific applications. All products are sold subject to the company's Standard conditions of sale.