



## 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.

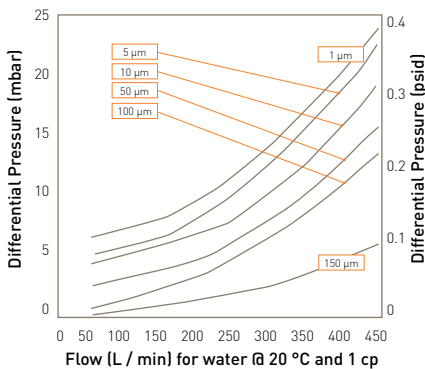
The filtration mechanism employed within filter bags allows high flow rates and high dirt holding capacity, this combined with low maintenance cost and quick change-out makes bag filtration an extremely cost effective means of liquid filtration. Bags are available to suit most common filter housings.

## Features and Benefits

- From 1 to 1000 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 <sup>2</sup>	11.0 ltr	20 m <sup>3</sup> /hr
2	7" (180 mm)	32" (810 mm)	0.5 m <sup>2</sup>	20.5 ltr	40 m <sup>3</sup> /hr
1 (mini)	4" (104 mm)	9" (230 mm)	0.07 m <sup>2</sup>	1.9 ltr	6 m <sup>3</sup> /hr
2 (mini)	4" (180 mm)	15" (380 mm)	0.12 m <sup>2</sup>	3.2 ltr	10 m <sup>3</sup> /hr

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

## 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 Nemours 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

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

\*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 4 Mini	1 Single 2 Double 3 Triple	G PP Extra Life F PE Extra Life	001 1* 005 5 010 10 025 25 050 50 100 100	E Electro Plated Steel S Stainless Steel M Moulded PP G Moulded P/Est Q Moulded Santoprene	X Plain L Loops

\*Not viscose