Bag Filtration

Simple to use and easy to install, bag filters have been successfully integrated into a wide range of applications, providing a versatile and consistent filtration method, across many industries; from paints and lacquers to food and beverage processing.

With different styles, materials and sizes available, bag filtration is ideal for applications where large volumes of fluid need processing and particulate or dirt holding are high.


Cosmetics Manufacturing

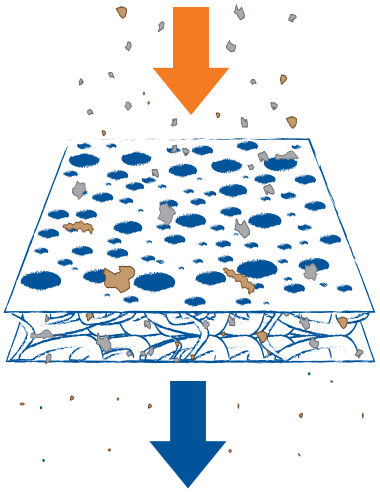

High Flow Water


Industrial


Paints & Inks

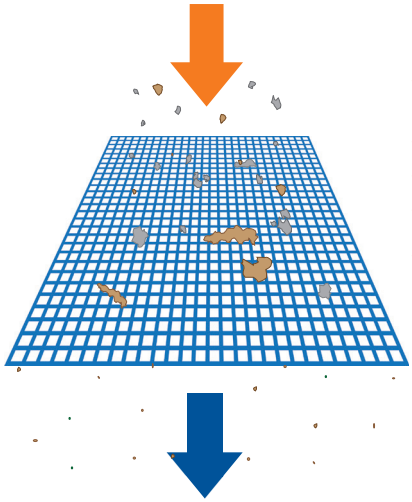
How bag filtration works

Felt made from synthetic fibres in polypropylene or polyester. The proper combination of fibre diameter, weight and thickness results in an economical depth - type filter media. Polypropylene and polyester bags are supplied with a glazed finish to reduce fibre migration.



- Operates on the principle of depth filtration
- Disposable
- Glazed outer finish reduces fibre migration
- Broad chemical compatibility
- High dirt-loading

Monofilament mesh is offered in a nylon woven material. Each thread is a single filament. The openings are square. They have excellent strength and are considered to be cleanable.



- Operates on the principle of surface filtration
- Reusable or disposable
- Non-fibre releasing
- Good efficiencies
- Can hold large quantities of contaminants under the right conditions

Selecting your bag filter

Filtration Grade

Select the filtration guide suitable

Economic

Single layer media, offering the widest micron range and media choice.

Standard

Effective pre-filter layer extends service life.

Premier

Multi-layer construction for highly efficient particle removal.

Neck Seal

Select a neck ring based on suitability for an existing housing or the required seal.

Polypropylene or stainless steel ring

Industry favourite polypropylene flanged neck

Polypropylene flared neck for most positive seal

Size

Choose the bag size based on the expected flow rate of the application.

Up to 75 LPM (Economic only)	Up to 150 LPM (Economic only)	Up to 300 LPM	Up to 600 LPM
Size 3	Size 4	Size 1	Size 2

Bag Housings

Bag filter housings maximise the efficiency of a filter bag.

Fileder have a diverse selection of bag housings constructed from plastic to stainless steel and with a variety of threaded and flanged ports to suit a range of applications such as high viscosity and high flow rates.

Premier

Standard

Bespoke

Traditional High Dirt Holding Bag

SPECTRUM

FDA Compliant Materials

WRAS APPROVED MATERIAL

HALAL Compliant

Economic Range

1-1000 micron

Utilising a traditional single layer manufacturing method, the SPECTRUM Economic range offers the greatest option in terms of filtration media and neck seal type, providing a suitable solution for most bulk solid removal applications.Economic felt bags also benefit from an all welded seam construction, meaning they are capable of holding several kgs whilst maintaining filter integrity. Heavy duty handles make changeouts simple, avoiding operator contact with the unwanted filtrate.

Key Features

Polypropylene Felt (P)

- Glazed surface finish to prevent fibre migration into the filtrate
- Broadest chemical compatibility
- Single layer media with welded seams

Polyester Felt (E)

- Excellent for high temperature solvent compatibility
- Single layer media with welded seams
- Glazed surface finish avoids fibre migration

Nylon Mesh (N)

- Suitable for washing and re-using
- Monofilament mesh with stitched seams provides a high strength media
- Binded Seams

Neck Seal

Ring seal fits a wide range of housings (E/ES)

Industry favourite (retrofit for FSI, GAF and Hayward) flanged neck (S)

Optimal flanged neck for most positive seal (P)

Specification

Neck Material

Polypropylene (E, S, P)
Stainless Steel (ES)

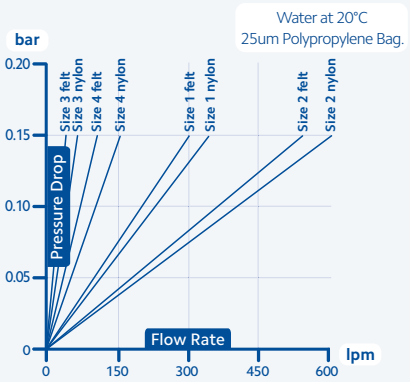
Max. Operating Temperature

Polypropylene - 95°C
Polyester - 150°C (with ES Neck)
Nylon - 160°C (with ES Neck)

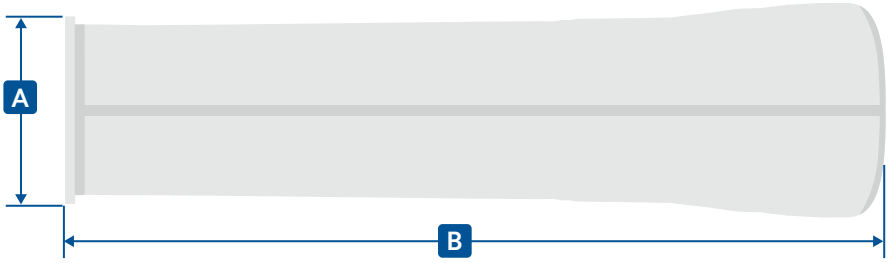
Max. Operating Pressure Differential

1 bar

Flow Rate (lpm)



Dimensions



	Dimensions		
Bag Size	A (mm)	B (mm)	Area (m²)
3	102	229	0.07
4	102	356	0.12
1	178	406	0.23
2	178	813	0.41

Part Number

Code	Neck	Media	Micron	Size
EB	E, S, P, ES	Polypropylene (P) Polyester (E)	1, 5, 10, 25, 50, 100, 200	3, 4, 1, 2
		Nylon (N)	50, 100, 150, 200, 300, 400, 500, 800, 1000	

e.g. EBSP-5-2