# 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

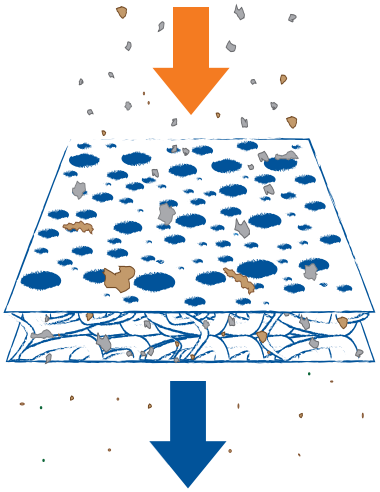

High Flow Water


Industrial


Paints & Inks

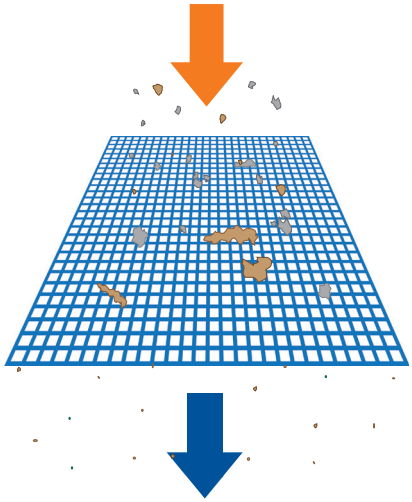
## How bag filtration works

**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

# High Efficiency Bag With Microfibre Technology

SPECTRUM

FDA Compliant Materials

WRAS APPROVED MATERIAL

HALAL Compliant

## Premier Range

### 0.5-25 micron

Where high efficiency bag filters are required, the SPECTRUM Premier range is the perfect choice for accurate process liquid filtration from 0.5 to 25 micron. A multi-layer construction ensures high levels of contaminant holding and highly efficient graded-density filtration. The microfibre media coupled with the flanged neck seal lessens the risk of particle bypass. All layers are sewn together to the neck ring providing a strong, reliable and effective product capable of finer filtration at high process flow rates.

## Key Features

### Polypropylene Felt (P)

- Multi-layered construction passes filtrate through a series of filtration layers to deliver high efficiency and maximise bag life
- Support, pre-filtration and microfibre media are internally sewn together to prevent bypass and provide strength
- Glazed finish on all Premier bags reduces fibre migration
- Media provides excellent oil absorption capabilities

## Neck Seal

Fits SPECTRUM housings and retrofit (retrofitting FSI, GAF and Hayward) flanged neck (S)

## Specification

### Neck Material

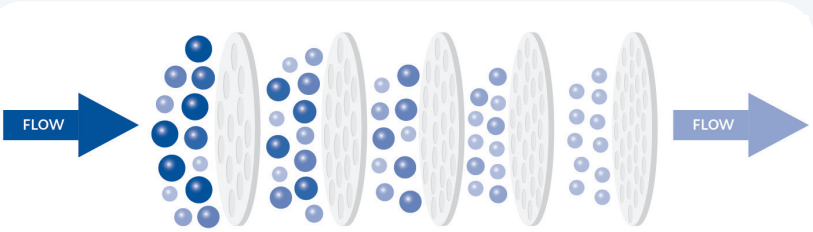
Polypropylene

### Max. Operating Temperature

95°C

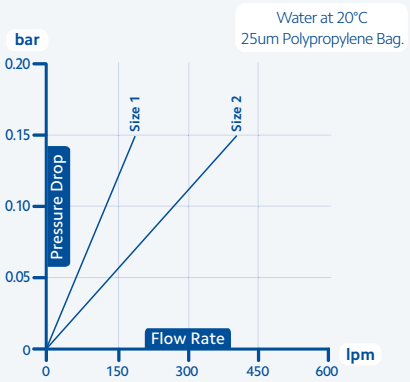
### Max. Operating Pressure Differential

1 bar




The above represents the particle removal efficiency through the multi-layers of the Premier Bag media Premier polypropylene felt media The Premier bag has an efficiency rating of 93%.

## Flow Rate (lpm)




## Dimensions


| | Dimensions | | |
|---|---|---|---|
| Bag Size | A (mm) | B (mm) | Area (m²) |
| 1 | 178 | 406 | 0.23 |
| 2 | 178 | 813 | 0.41 |

# Part Number

| Code | Media | | Micron | | Size |
|---|---|---|---|---|---|
| PB | Polypropylene (P) | – | 0.5, 1, 5, 10, 25 | – | 1, 2 |

e.g. PBP-10-2