



# BSF needle felt filter bags

## Sewn needle felt filter bags for a wide range of liquid applications

BSF series filter bags are specifically designed for liquid filtration for a wide range of industries, including food manufacturing, industrial and chemical. All seams are sewn, with options for nylon and PTFE media, as well as Stainless Steel neck rings for a wide range of chemical compatibility.

The BSF series are available in Size 1 and 2, with traditional neck rings in galvanized, stainless steel and polypropylene for a broad range of compatibility across applications. Manufactured from 100% virgin fibres, chosen for their purity, consistent high quality and repeatable performance.



### Key features:

- Stainless steel neck ring option
- High flow rate capability
- Lifting handles for easy removal
- Range of materials for compatibility
- High solid holding capability

### Applications:

- Filtration of water and utility liquids
- Paint, pigment and ink filtration
- Cooling water pre filtration
- High flow applications

### Quality first:

- Manufacturing acc. ISO 9001
- Materials used meet FDA title 21
- Comply with EU Reg. No. 1935/2004
- Full traceability

## Protecting process, products and people

Atlas Copco's process filters optimize your productivity while protecting your process, product and consumers. Our portfolio of cartridges and housings covers all your filtration needs. The products are made from proven, high quality materials from reputable suppliers and manufactured in a controlled environment subjected to strict QA/QC procedures.



## Product specifications

Materials of construction	
Filter bag	Polypropylene (PP), Polyester (PE), Nylon (N), PTFE
Neck ring	Polypropylene, Polyester, Stainless Steel
Dimensions	
Diameter	Size 1 - 180mm, Size 2 - 180mm
Length	Size 1 - 430mm, Size 2 - 810mm
Surface Area	Size 1 – 0.25m <sup>2</sup> , Size 2 – 0.50m <sup>2</sup>
Volume (l)	Size 1 -11, Size 2 -20
Operating conditions	
Maximum operating temperature	Polypropylene - 93°C, Polyester - 140°C, Nylon -110°C, PTFE - 260°C <sup>1</sup>
Maximum recommended flow rate <sup>2</sup>	Size 1 – 7m <sup>3</sup> /h for 1µm / 12m <sup>3</sup> /h for 5-200µm Size 2 – 15m <sup>3</sup> /hr for 1µm / 25m <sup>3</sup> /h for 5-200µm

<sup>1</sup> = PTFE media operating temperature requires SSR ring

<sup>2</sup> = The maximum flow rates are a recommendation for fluids with viscosity of 1CPS for an initial (clean) pressure drop of 100 mbar

## Product configuration

Series	Rating	Bag		Ring	Options
		Size	Type		
BSFP	1µm	S1	U	SR = Galvanized	F = Food grade
BSFE	5µm	S2		SSR – Stainless Steel	IP = Individually packed
BSFN	10µm				
BSFT	25µm				
	50µm				
	75µm				
	100µm				
	200µm				

**Example:** BSFP 5µm S2 U SR F

