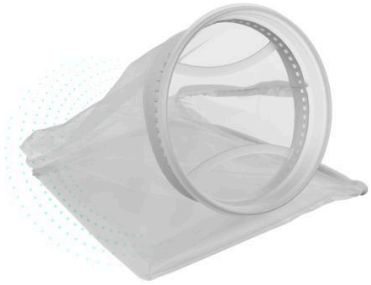
LIQUID BAG FILTERS

Monofilament Polyester Bag Filter

Surface filter bag precision-woven from 100% polyester monofilament yarn with fixed pores. With a 20–1,000 µm range and 135 °C resistance, it is washed and reused on paint, resin, ink, CNC coolant and automotive washing lines.



PRECISION	MAX. TEMPERATURE	CHEMICAL RESISTANCE	USE
20–1,000 µm	**135 °C**	**pH 4–9**	**Washable**
Fixed pores	275 °F	Outside this, PP or PTFE	Reusable

Technical specifications

Filter medium	100% monofilament polyester (MF PE) woven filter fabric
Micron ratings	20 · 25 · 30 · 50 · 75 · 100 · 150 · 200 · 300 · 500 · 750 · 1,000 µm
Filtration type	Surface filtration · inside-out flow
Yarn structure	Single-yarn (monofilament) weave; fixed pores
Diameter / length	Ø 100–180 mm · 230–810 mm
Max. operating temperature	135 °C (275 °F)
Recommended change-out ΔP	2–2.5 bar (wash first; replace if pressure does not drop)
pH range	4–9
Surface finish	Woven; no surface treatment applied
Seam construction	5-thread industrial stitching
Collar types	PP ring · Steel ring (snap ring) · Drawstring
Specific gravity	1.38 g/cm³
Food compatibility	Raw material suitable for food contact; consult our technical team for documents
Reuse	Washable and reusable

Standard bag sizes

SIZE (MM)	DESCRIPTION	AREA (M²)
180 × 430	Large diameter · short length	~0.25
180 × 810	Large diameter · long length (most common)	~0.50
100 × 230	Small diameter · short length	~0.08
100 × 380	Small diameter · long length	~0.14

Area values are approximate and vary with bag length and seam allowance. Custom production to sample for older or imported housings.

Micron options

MICRON	TYPICAL APPLICATION
20–30 µm	Fine coarse; final stage for paint, resin and ink, CNC fluid
50–100 µm	Medium and standard coarse; chemical processes, paint, water treatment pre-stage
150–200 µm	Low pressure, high flow; hydraulic and coarse pre-stage
300–500 µm	Very coarse; plastic granules, aggregate separation
750–1,000 µm	Special coarse separation; industrial wash water

Collar options

PP ring
Polypropylene ring stitched to the bag; for lines where chemical resistance matters.

Steel ring (snap ring)
Galvanised or stainless steel ring; the most widely used, economical standard collar.

Drawstring
Tied by hand to a pipe outlet or special hanger with the drawstring.

Use and maintenance

- When ΔP reaches 2–2.5 bar, wash the bag first; replace it if the pressure does not drop or if it is damaged.
- Wash with low-pressure water from the outside towards the inside; check pore integrity against the light before reuse.
- Choose a bag about 10 cm longer than the support basket; a bag the same length as the basket cannot reach the bottom and tears at the base under pressure.
- Above 135 °C use PTFE or metal woven filters; below 20 µm, and on gel-like or high-solids lines, use a felt bag.
- If you are not sure of the collar type, send a photo or sample of your current bag; an exact replica will be made.

Values in this data sheet are typical and for information only. Product selection should be made with our engineers based on process fluid, temperature, pressure and flow conditions. Proses T.İ.M. reserves the right to change product specifications without prior notice.

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