

STANDARD FILTER BAGS for most manufacturers' housings.

Standard Filter Bags

Service Tech, Inc. manufactures a complete line of filter bags and housings for the liquid filtration industry. Standard size bags are available to fit most filter bag housings on the market. Custom size filter bags can also be manufactured to customers' specifications.

Media Selection

Felt Bags - Filtration felt is a low cost disposable media with particle retention in the 1 to 200 micron range. It has depth-filtration qualities and high solids-loading capacity. Felt filter bags are available in **polyester, polypropylene, and nylon**. Both polyester and polypropylene felts are available with a **glazed or singed outer finish** to minimize fiber migration from the filter surface.

Mesh Bags - Mesh or "strainer" bags are available in two styles: monofilament mesh and multifilament mesh. **Monofilament mesh** is an extremely strong material with precise weaving to ensure consistent pore sizes. It is reusable in most applications. Nylon is the most widely used monofilament material; micron ratings range from 5 to 1200 microns.

Multifilament mesh is a low cost disposable media with micron ratings up to and including 1500. It can be used in applications when the extra-high strength of monofilament fabric is not needed. Multifilament mesh is available in polyester and nylon, polyester being the most common. Polyester multifilament has good strength and is available in micron ratings from 100 to 1500.

Bag Design

Top Sealing - Standard bags are available with a variety of sealing options: a **snap-ring** (galvanized steel, stainless steel, or polypropylene ring), a **plastic "flange"** with handles molded in, a drawstring or "**tie-on**", or a **blank top** opening.

Snap-ring bags can have optional handles or pull tabs sewn in to ease filter bag removal. **Plastic flange** bags have handles molded in. Both **snap-ring** and **flange** bags fit a wide variety of filter bag housings.

Tie-on and **blank top** bags are usually used in filtration systems without filter housings. Tie-on and blank top bags come in an enormous variety of shapes and sizes.

Covers - Filter bags can have covers added to help contain loose fibers on the filter surface and/or add strength to the filter. The most common cover materials are spunbond polyester, spunbond polypropylene, spunbond nylon, polyester multifilament, and nylon monofilament.

Spunbond covers are generally not micron rated and are used to contain loose fibers on a felt filter bag surface (they reduce "fiber migration").

When used as a cover, **polyester multifilament** material offers great strength as well as an additional layer of micron rated material.

Nylon monofilament material is often used as a cover for felt bags; using matching micron ratings (for example, an NMO-25 cover on a PE-25 filter bag) is effective in controlling fiber migration.



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