Liquid Filter Elements

PRODUCT FEATURES / BENEFITS

- Variety of Microns Available
- Wide Chemical Compatibility
- Corrosive Liquids and Gases
- High Dirt Holding Capacity
- Durable and Cleanable
- Stainless Steel Is Welded with No Adhesives
- Viscous Fluids

Liquid filter elements are designed to capture particulate contaminants from liquid streams. UFS offers two primary filter types: melt-blown depth filters and pleated filter elements.

Polyspun (melt-blown) depth filters provide an economical solution for non-critical and general filtration applications. Our pleated filter line includes polypropylene, stainless steel, and microfiber glass media, allowing UFS to deliver a wide range of filtration efficiencies and extended service life across a broad spectrum of applications. Typical applications include, but are not limited to, fuel processing, chemical processing, and cooling systems.

All liquid filter elements are manufactured to industry standards, ensuring compatibility with other proprietary filter housings as well as UFS Onstream SLH-series filter assemblies. Elements are produced in standard dimensions with a 2.50" outside diameter and are available in lengths of 4.875", 9.75", 19.875", and 29.875".

SLH-Series Liquid Filter Housings

UFS offers a specialized line of low-pressure stainless steel liquid filter housings rated up to 250 PSIG and designed for nominal flow rates up to 30 GPM. The SLH-series housings accept industry-standard double-open-ended (DOE) filter elements and are suitable for a wide range of liquid filtration applications. Available filter media include pleated stainless steel, pleated polypropylene, spun polypropylene, and activated carbon elements, each offered in multiple micron ratings to meet diverse filtration requirements.

Spun Polypropylene – Liquid Applications

Our Polyspun filter cartridges are nominally rated and manufactured from 100% pure polypropylene. A high-performance melt-blown process uses fine-diameter fibers to form multiple spun-bonded layers, creating a true depth filtration structure.

This construction provides excellent pore size consistency and exceptionally high void volume, allowing for increased dirt-holding capacity and extended service life. The outer layers feature progressively graded pore sizes that act as pre-filtration, capturing larger particles first, while smaller contaminants are retained by the finer fibers within the inner core.

TECHNICAL INFORMATION

Materials of Construction:	Spun Polypropylene
Type of Application:	Remove Particles from Liquid Stream
Maximum Temperature:	160°F
Appearance:	White Polypropylene Microfiber
Flow Direction:	Outside to Inside

Micron Sizes Available (µm):
01, 05, 10, 25, 50, 75, 100, 150

Example Part Number: LE-820-05

Pleated Polypropylene – Liquid Applications

These elements are suitable for particulate removal applications in non-corrosive gases and liquids. For optimal performance and cost efficiency, the coarsest micron grade that adequately protects the application should be selected, as this provides the most economical solution for contamination control.

TECHNICAL INFORMATION

Materials of Construction:	Polypropylene, EPDM
Type of Application:	Remove Particles from Liquid Stream
Maximum Temperature:	180°F
Appearance:	White Pleated with Polypropylene Cage, Black EPDM Seals
Flow Direction:	Outside to Inside

Micron Sizes Available (µm):
01, 10, 25, 50, 75

Example Part Number: LE-820-10PL

Pleated Stainless Steel – Liquid Applications

Pleated stainless steel elements offer exceptional strength and durability, making them ideal for demanding applications where disposable filter elements present limitations. These elements are compatible with UFS Onstream™ SLH housings as well as other industry-standard proprietary housings.

TECHNICAL INFORMATION

Materials of Construction:	304 Stainless Steel, Viton*
Type of Application:	Remove Particles from Liquid Stream
Maximum Temperature:	400°F
Appearance:	Pleated SS Mesh, Brown Viton Seals
Flow Direction:	Outside to Inside

*Buna (B), Silicone (S), and PTFE (T) Seal Available

Micron Sizes Available (µm):
05, 10, 25, 50, 75, 100, 150, 200

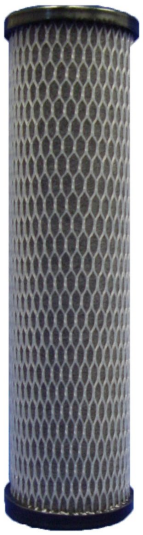
Example Part Number: SS-820-05V

Activated Carbon Elements

Our Carbon Cartridges are designed to remove organics and odor from a variety of industrial applications. Carbon cartridges provide a cost-effective solution to remove unwanted taste, odor and chlorine from drinking water. The cartridges also effectively remove hydrocarbons in compressed air and gas systems.

TECHNICAL INFORMATION

Materials of Construction:	Borosilicate Microfiber Glass with Silica Inorganic Resin Binder
Type of Application:	Heavy Diesel Emissions
Maximum Temperature:	900°F
Appearance:	White In Color
Flow Direction:	Inside to Outside



Micron Sizes Available (µm):
05, 10, 25, 50, 75, 100, 150, 200

Example Part Number: SS-820-05V

Ordering Information

These elements are compatible with our stainless steel SLH Series Liquid Housings (SLH818, SLH820, SLH895, and SLH897). Ordering is simple—just follow the part number schematics for each filter type listed below.

Example Part Number:

Spun Polypropylene:	LE-818-05
Pleated Polypropylene:	LE-818-10PL
Pleated Stainless Steel:	SS-820-05V
Activated Carbon:	LE-820-CC

Standard Sizes Offered

SL Housing Size	Spun Polypropylene **Micron Sizes:** 01, 05, 10, 25, 50, 75, 100, 150	Pleated Polypropylene **Micron Sizes:** 01, 10, 25, 50, 75	Stainless Steel Pleated **Micron Sizes:** 05, 10, 25, 50, 75, 100, 150, 200	Activated Carbon
818 (4.875″)	LE-818-µm	LE-818-µm-PL	SS-818-µm-V	LE-818-CC
820 (9.75″)	LE-820-µm	LE-820-µm-PL	SS-820-µm-V	LE-820-CC
895 (19.875″)	LE-895-µm	LE-895-µm-PL	SS-895-µm-V	LE-895-CC
897 (29.875″)	LE-897-µm	LE-897-µm-PL	SS-897-µm-V	LE-897-CC