

BF Series Bag Filtration System

The BF Series Bag Filtration Systems consists of a strainer/filter housing and a support basket that uses a filter bag as the filtering element. Filter bags are readily available in various materials: Polyester, Polypropylene, Nylon, and Teflon to name a few. Filter bags are available with micron ratings down to 1 micron. The advantages of filter bags are: able to handle higher flowrates, can process viscous liquids, and are economical. Using filter bags minimize the chance for product contamination; use once and discard. The BF Series Bag Filtration Systems are available in the following configurations -

- **BFT Series** – Single Bag Filter, top inlet, bottom outlet, positive seal, for high filtration rates at a lower Flow rates.
- **BFS Series** – Single Bag Filter, side inlet, bottom outlet, ideal for general filtration at lower flow rates.
- **BFR Series** – Quick Opening (only takes 30 seconds to open and close) Multi-Bag filter housing, good for higher flow rates, and allowing for frequent filter bag changes.
- **BFM Series** – Conventional Multi-Bag filter housing, good for high flow rates and non-frequent filter bag changes.



Typical Application Profile

- **Industries Served** - Fine Chemicals, Water Treatment, Pulp and Paper, Auto Industry, Petro-Chemical, Machining, Coatings, Electronics, etc.
- **Applicable Liquids** - Chemicals, Polymers, Oils, and Water
- **Targeted Filtration Objective** - Ideal for removing particles of various sizes including micro particles, purify liquids, and protect key equipment. Suitable for filtering viscous liquids.
- **Type of Filter Media** – Disposable filter media which requires periodic manual replacement.

Main Specifications

Sub-Series	BFT/BFS/BFM/BFR
Filter Bag Series	HiSEP/AccuSEP/EcoSEP/MorSEP
Flowrate	1-1000m ³ /h / 4.4-4400GPM
Ratings (µm)	1-1000
Number of Bags Per Unit	1-24
Filter Area	0.1-24m ² / 1.1-258ft ²
Housing Material	304,316L, CS
Viscosity (cp)	1-20000
Design Pressure	0.6/1.0/1.6MPa / 87-232PSI

NOTE: The information above is for product review. The specific selection requires comprehensive consideration of various factors. Please contact LIVIC representatives to get professional advice and detailed product information.

SF Series Basket Filtration Systems

The SF Series Basket Filtration System consists of a strainer/filter housing and a strainer basket or baskets. The strainer/filter basket is available as perforated, wire mesh, or wedge wire. The strainer/filter basket is cleanable and reusable, and can be supplied with a wide range of opening sizes ranging from 50 – 8000 microns. The strainer/filter basket is designed to remove contaminants while also protecting costly equipment down line; pumps, spray nozzles, heat exchangers, valves, etc. A basket strainer helps to minimize production downtime. The SF Series Basket Filtration Systems are available in the following configurations -

- **SFS Series** – Single Basket, Quick Opening Top Cover, suitable for most applications, Flexible inlet and outlet location and layout
- **SFF Series** – Single Basket, flanged top cover with 'bolted' connection, suitable for higher pressure applications.
- **SFM Series** – Multi-basket design, quick Opening Top Cover, suitable for high flow rate applications, compact, provides a large filter area, easy to install and remove filter baskets, flexible inlet and outlet locations
- **SFV Series** – Multi-basket design, flanged top cover with 'bolted' connection, suitable for higher pressure applications
- **SFZ Series** – Single Basket design with the inlet and outlet ports on the same plane allowing for quick and easy installation and removal of the strainer basket.



Typical Application Profile

- **Industries Served** - Fine Chemicals, Water Treatment, Pulp and Paper, Auto Industry, Petro-Chemical, Machining, Coatings, etc.
- **Applicable Liquids** - Chemicals, Polymers, Oils, and Water
- **Targeted Filtration Objective** - Ideal for removing smaller to large particles, purify liquids, and protect key equipment
- **Type of Filter Media** - Reusable which requires periodic manual cleaning or replacement

Main Specifications

Sub-Series	SFS/SFF/SFM/SFV/SFZ
Filter Basket Series	DuraSEP/PerSEP
Filtration rating (µm)	50-8000
Number of Baskets	1-24
Filter Area	0.05-33m ² / 0.54-355ft ²
Housing Material	304, 316L, CS
Viscosity (cp)	1-30000
Design Pressure	0.6/1.0/1.6MPa / 87-232PSI

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CF Series Cartridge Filtration Systems

The CF Series Cartridge Filtration System consists of a strainer/filter housing and a filter cartridge or filter cartridges. Ideal for ultrafine filtration and removing micron, sub-micron particles and bacteria from the process stream. Filter Cartridges are efficient and can trap a large amount of micro contaminants. LIVIC has helped develop these high performance filter cartridges. The CF Series Cartridge Filtration Systems are available in the below listed configurations

- **CFK Series** – Economical, clamp type lid, easy to open, ideal for low flow rates and low-pressure applications.
- **CFQ Series** – Flanged cover, quick opening design (with lifting assist davit for housing larger than 300 mm), for demanding applications.
- **CFV Series** – Flanged bolted cover
- **CFM Series** – Flanged cover with swing bolts, ideal for high flow rates, high contaminant process stream, horizontal and vertical installation design, compact, and easy filter cartridge change out.
- **CFS Series** – Sanitary design, easy assembly and disassembly for complete cleaning, wetted surfaced polished to 25 Ra or better. Ideal for the food and beverage industries.



Typical Application Profile:

- **Industries Served** - Fine Chemicals, Water Treatment, Pulp and Paper, Auto Industry, Petro-Chemical, Machining, Coatings, Electronics, etc.
- **Applicable Liquids** – Chemicals, Polymers, Oils, and Water
- **Targeted Filtration Objective** - Ideal for removing micro particles, purify liquids, and protect key equipment.
- **Type of Filter Media** – Microfiltration, disposable filter media which requires periodic manual replacement.

Main Specifications

Sub-Series	CFK/CFQ/CFV/CFM/CFS
Filter Cartridges	MaxSEP/PolySEP/PesSEP/PtSEP/
Filtration Degree (µm)	MeshSEP/FiberSEP/PorSEP/V-SEP
Filter Cartridge Length (Inch)	0.05-200
Number of Cartridges per Unit	10,20,30,40,60
Housing Material	1-200
Viscosity (cp)	304,316L,CS
Design Pressure	1-500
	0.6/1.0/1.6MPs / 87-232PSI

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