

## S-SIF INDUSTRIAL FILTRATION SYSTEMS

### FOR LIQUID FILTRATION IN A WIDE RANGE OF INDUSTRIAL APPLICATIONS

Cobetter S-SIF Filtration System Series Filtration Systems are specifically designed and engineered for industrial fluid filtration. They contain all the necessary components including pressure source (pump), filter housings, stainless steel pipes, pressure gauge, drain valve, and filtration trolley. The system comes fully assembled, and requires only inlet and outlet connections.

The system is a multi-stage filtration system and the filter housings can meet specific requirements and needs. Cobetter can also provide the filter cartridges inside the system to meet application requirements.

In addition, Cobetter can supply different pressure sources: stainless steel water pump, gear pumps, pneumatic pumps, or air diaphragm pumps.

Single-round filter housing systems use Tri-clamp connections, while other systems use flange connections. Design pressure can reach 10 bar (145 psi).



#### FEATURE

#### BENEFIT

##### Quality Surface Finishing

Mechanical polished surfaces with sanitary grade and industrial grade polishing available.

##### Multiple Configurations to Match Process Flows

**S-SIF I:** 3 Stages - meet the needs of fluids that contain a low solid content but require a high filter retention.

**S-SIF II:** 1st Stage Bag Housing Series; 2nd- 3rd Stages. Liquid Filter Housing – meet the needs of fluids with a high solid content. Use of filter bags in the first stage is a more economical method of removing large pore size particles and yields higher filter retention in the latter two stages.

**S-SIF III:** Customized Filtration System



#### Typical Applications

- Culture Medium
- Fermentation Broths
- Gel Materials
- High Viscosity Materials
- Serums
- Liquid Filtration

## SPECIFICATIONS

<b>Surface finish</b>	Polish Type: Mechanical polished or brushed  Surface Options: Sanitary Grade: Internal Ra: 0.3 µm (12 µin.); External Ra: 0.4 µm (16 µin.) Industrial Grade: Internal Ra: 0.4 µm (16 µin.); External Ra: 0.6 µm (24 µin.)
<b>Materials</b>	Filter Housing: 304; 316L Pipes, Tubes: 304; 316L Coupling Screw Bolt: 304
<b>Connections</b>	Tube Connections: Tri-clamp; Flange; Threaded  Housing Body Connection: Tri-clamp; Flange Swing Bolt
<b>Pipes</b>	Housing Inlet & Outlet: 1" (DN25), 1.5" (DN38), 2" (DN50), 2.5" (DN65), 3" (DN80)
<b>Dimension</b>	Tube: 1" (DN25), 1.5" (DN38), 2" (DN50), 2.5" (DN65), 3" (DN80) Drain Valve: 1/2", 1", 2"
<b>Spare Parts</b>	Pressure Gauge: Stainless Steel; Sanitary with Silicone oil Drain Valve: Tri-clamp; Thread Vent: Standard
<b>Filter Cartridge</b>	Endcap: 222, 226, DOE Length: 5", 10", 20", 30", 40"
<b>Housing Open Method</b>	Bottom open; Top Open; Bottom and Top Open
<b>O-ring/gaskets</b>	Silicone, FKM, EPDM, PTFE
<b>Max. Operating Pressure</b>	Design Pressure X: 0.6 MPa (6 bar, 87 psi) Design Pressure Y: 1.0 MPa (10 bar, 145 psi)

## DESIGN FLOW RATES

### For Low Viscosity and Low Solid Content Fluid

Part Number	Description	Reference Flow Rate (<50 cp)
<b>S-SIF0010</b>	3 Stage Filtration System H-SCF Housing Series / H-CCF Housing Series ( Single-Round)	0.1-0.3T/hr (220 - 661 lb/hr)
<b>S-SIF0030</b>	3 Stage Filtration System H-SCF Housing Series / H-CCF Housing Series ( 3-Round)	0.3-1.5T/hr (661 - 3,306 lb/hr)
<b>S-SIF0050</b>	3 Stage Filtration System H-SCF Housing Series / H-CCF Housing Series ( 5-Round)	1.5-3.0T/hr (3,306 - 6,613 lb/hr)
<b>S-SIF0070</b>	3 Stage Filtration System H-SCF Housing Series / H-CCF Housing Series (7-Round)	3.0-5.0T/hr (6,613 - 11,023 lb/hr)

T = ton, Filter length can be adjusted to meet the flow rate requirement

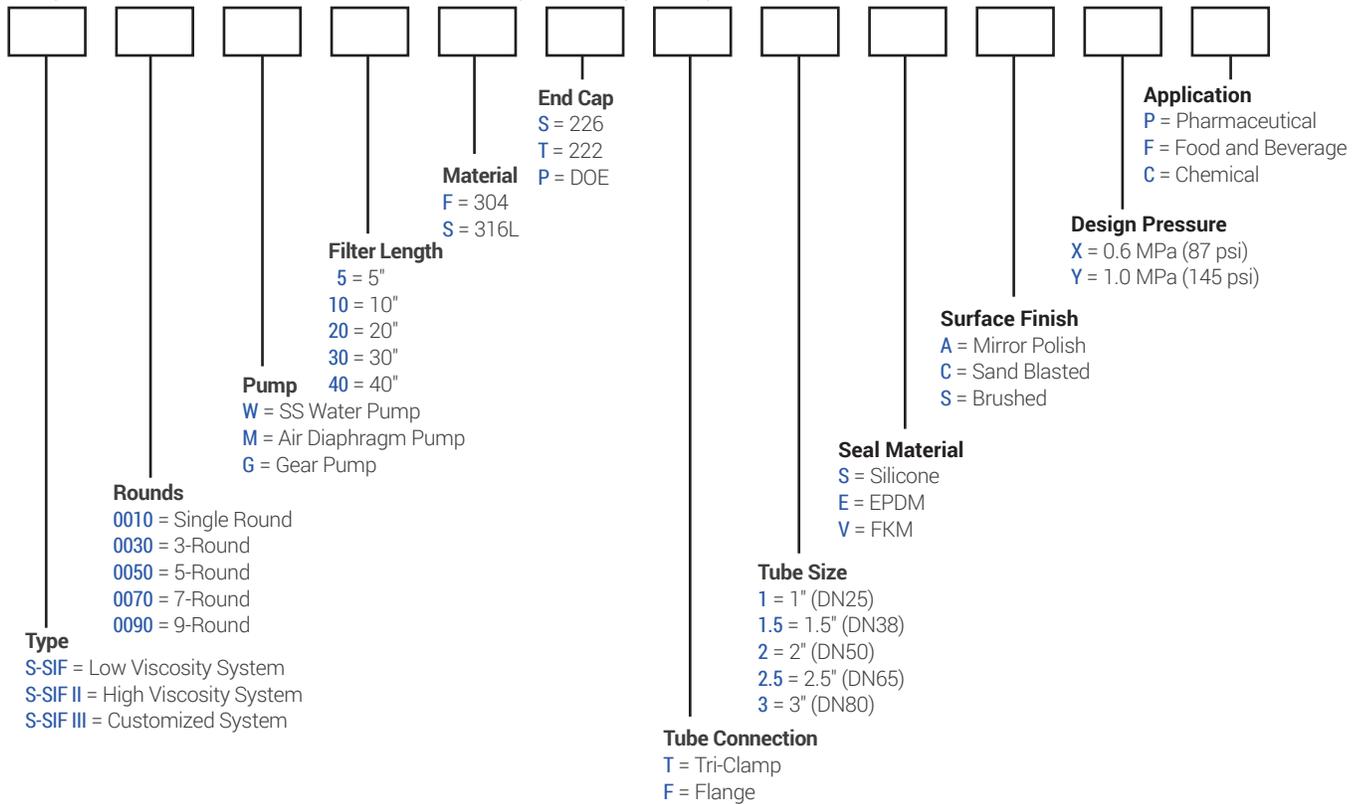
### For High Viscosity and High Solid Content Fluid

Part Number	Description	Reference Flow Rate (~100 cp)
<b>S-SIF II 0030</b>	H-TBF (Size1 Bag Housing)+H-ICF(3-Round)+H-ICF (3-Round)	100-300 kgs/hr (220 - 661 lb/hr)
<b>S-SIF II 0050</b>	H-TBF (Size1 Bag Housing)+H-ICF(5-Round)+H-ICF (5-Round)	300-1,500kgs/hr (661 - 3,306 lb/hr)
<b>S-SIF II 0070</b>	H-TBF (Size2 Bag Housing)+H-ICF(7-Round)+H-ICF (7-Round)	1,500-3,000kgs/hr (3,306 - 6,613 lb/hr)
<b>S-SIF II 0090</b>	H-TBF (Size2 Bag Housing)+H-ICF(9-Round)+H-ICF (9-Round)	3,000-5,000kgs/hr (6,613 - 11,023 lb/hr)

1,000KG = 2204 lb, Filter length can be adjusted to meet the flow rate requirement

## ORDERING INFORMATION

EXAMPLE: **S-SIF II0050W30SSTT2EAYP** = High Viscosity System, 5-round, SS water pump, 30" filter length, 316L housing, 226 filter end caps, Tri-clamp tube connector, 2" tube size, EDPM seals, mirror polish, 145 psi max, pharmaceutical



BANNER INDUSTRIES IS THE EXCLUSIVE DISTRIBUTOR FOR COBETTER PRODUCTS IN THE USA  
 Visit [www.bannerindustries.com](http://www.bannerindustries.com) and select the Contact Us link to find the location nearest you. The Banner Industries of N.E., Inc. Terms and Conditions of Sale apply and are fully and expressly incorporated herein by reference and constitute a part of any contract for the purchase of the products described herein.

[www.bannerindustries.com](http://www.bannerindustries.com) | Technical Sales: [filtration@bannerindustries.com](mailto:filtration@bannerindustries.com)

CBBPP1165 Rev. 08072020  
 Copyright © 2020 Banner Industries, Inc. All rights reserved.