

## SLF-L Series PTFE cartridges For sterilising liquids

Masterfilter SLF-L filter cartridges are composed of hydrophobic PTFE membrane. Its features include exceptional organic & inorganic corrosion resistance and inherently hydrophobicity. They are highly recommended for the pre-filtration and sterile filtration of strong solvents, highly corrosive fluids and strong oxidant fluids.

### Features and Benefits

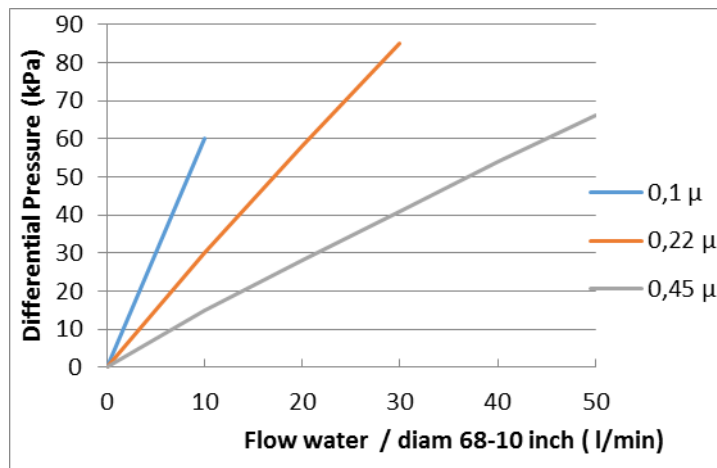
- Inherently hydrophobicity
- Broad chemical compatibility
- High tolerance of aggressive acids and bases
- High flow rates
- Low extractables
- 100 % Integrity Tested

### Applications

- Organic-based Antibiotic Liquids
- API
- Solvents



### Flow Rate Characteristics



### Materials of construction

- Filter media: Hydrophobic PTFE Membrane
- Support layer: Polypropylene
- Inner core: Polypropylene
- Outer cage: Polypropylene
- End caps: Polypropylene
- O-Rings: EPDM/Silicone/Viton encapsulated

### Operating Characteristics

Maximum Operating Temperature : 90°C  
 Max. Differential Pressure : 4 bar (21°C)  
 2.1 bar (80°C)  
 Steam Sterilization ( Autoclave ) : 121°C ( 30min)

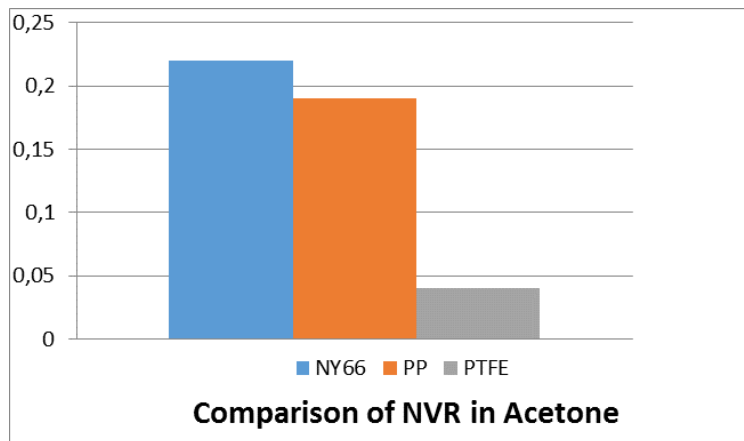
## Integrity Testing Parameters

Bubble Point (0,22 µm)	≥ 1100 mbar in alcohol or with 60/40 % IPA/water @ 20°C
Diffusion Flow (0,22 µm)	≤ 16ml/min/10" cartridge @ 800 mbar @ 20°C
WFT (0,22 µm)	≤ 0,38 ml/min/10" cartridge @ 2500 mbar

## Quality and Biological Safety

- Comply with the relevant requirements of EU 1935/2004 and EU directive EU10/2011
- 100% integrity tested
- Manufactured under a quality management system certified to ISO9001:2008
- Meets USP Biological Reactivity Test, in vivo, for Class VI-121 °C Plastics
- Every filter tested during manufacture. Test correlated to microbial retention.
- Bacterial Endotoxins (< 0.25 EU/ml)
- Extractables < 30 mg per 10"
- Certificate of test provided includes:
  - Fabrication integrity
  - Bacterial Retention
  - Materials of constructions
  - Effluent quality for cleanliness, TOC and water conductivity, pH and Pyrogens

## Nonvolatile Residue (NVR) Extractable



## Ordering Information : SLF- L



micron	Removal Rating	Code	Length		Code	End caps	Code	O-rings
			mm	inch				
002	0,02 µm	05	133	5	DOE	Double Open End	S	Silicone
005	0,05 µm	10	254	10	HTC	222 O-ring/flat (Code3)	E	EPDM
010	0,1 µm	20	508	20	HTF	222 O-ring/fin (Code 8)	V	Viton (encapsulated)
022	0,2 µm	30	762	30	HSF	226 O-ring/fin (Code 7)		
045	0,45 µm	40	1016	40				
100	1,0 µm							
300	3,0 µm							
500	5,0 µm							