

# LFGF

## Glass Fiber Filter Cartridge



### Description

LFGF filter cartridges are adsorptive depth filters, designed for removing colloidal and viscous liquids in the Food & Beverage Industry. They are used for protection of membrane filters in wine and beer filtration processes. Besides, they are also ideal for venting applications by removal of particles from the air stream, extending the service life of sterilizing-grade air filters.

### Features and Benefits

- Superior dirt-holding capacity
- High throughputs and high adsorption
- Reliable retention of particulates
- Cost-effective and long service life
- High flow rates at low pressure drop
- Ideal for colloidal and viscous liquids prefiltration

### Quality

- Cartridges produced in a controlled environment
- Manufactured according to ISO9001 certified Quality Management System

### Application

- Prefiltration before terminal gas filtration
- Classification and prefiltration for viscous and colloidal liquids
- Classification for wine and other viscous drinks



### Specification

#### Materials of Construction

<i>Filter Media</i>	Glass Fiber
<i>Support and Drainage</i>	PP
<i>Core, Cage</i>	PP
<i>End Caps</i>	PP
<i>O-rings/Gasket</i>	Silicone/EPDM/Viton
<i>Sealing technology</i>	Thermal Bonding, No Adhesives

#### Dimensions

<i>Diameter</i>	Φ68mm
<i>Length</i>	5 inch, 10 inch, 20 inch, 30 inch, 40 inch

#### Filtration Area, ft<sup>2</sup>

≥4.0 per 10-inch cartridge

#### Pore Size, μm

0.45, 1.0

#### Maximum Differential Pressure

Forward: 4.2 bar @ 23 °C (60.9psi@73.4°F); 1.5 bar @ 85 °C (21.7psi@185°F)

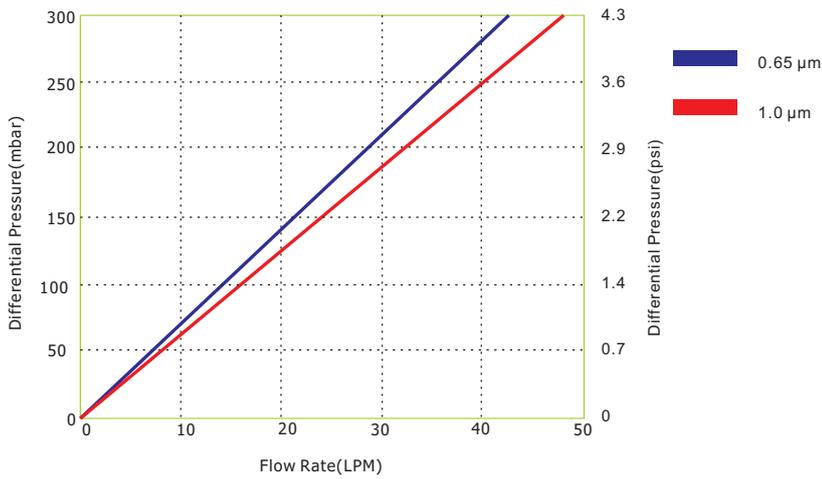
#### Sanitization

May be hot water sanitized for 30 cycles using purified water at 85°C(185°F) for 30 minutes.

#### Bacterial Endotoxins

< 0.25 EU/ml as determined by the LAL test

## Typical Liquid Flow Rate @ 23°C(73.4°F)



- Typical initial clean media  $\Delta P$ ; water at 23 °C (73.4°F) viscosity 1cP.
- For assistance in sizing, please contact ANOW.

## Ordering Information

This information is a guide to the Part No. structure and possible options.

For availability of specific options and housing details, please contact ANOW.

Code	Grade	Code	Media	Code	Rating ( $\mu\text{m}$ )	Code	End Cap Configuration	Code	Length (inch)	Code	Seal	Code	Support
LF	Food & Beverage	GF	Glass Fiber	045	0.45	A	222/Fin	05	5	S	Silicone	A	PP
				100	1.0	B	222/Flat	10	10	E	EPDM	B	High Temperature Resistant PP
						C	226/Fin	20	20	V	Viton		
						D	226/Flat	30	30			C	PP with Stainless Steel Core
						E	DOE	40	40				

## End Cap Code

