

# Inline Gas Filter

Inline Gas Filter For High Temperature & Pressure

LAFS Filters have a compact construction composed of a high-purity stainless steel cage. It is specially designed for the fine filtration of semi-process gas with high temperature and pressure.

## Features and Benefits

### High Flow Rates & Low Pressure Drop

Inherently hydrophobic PTFE membrane provides exceptionally high flow rates with low-pressure drop.

### 100% Helium Leak Test

100% tested using the helium leak test to ensure quality.

### Excellent Chemical Compatibility

PTFE membrane and high-purity electronics grade SUS316 cage are both corrosive-resistant with active gas. This feature guarantees stable performance of gas filtration at high temperatures and pressures.

### Pretreatment

The filter cartridge and its parts are manufactured and packaged in a clean room environment. Attached to the cartridge are particles and water < 10ppb. It can be used quickly for filtration

### Electronic Grade Cage Treatment

Internal Electro-polish with an internal surface of  $Ra < 0.3\mu m$

### Fine Filtration

Removal ratings of  $0.003\mu m$  which are necessary for fine gas filtration



## Operating Conditions

Filter Media	PTFE
Support Layer	PFA / PP
Core/End Cap	PFA / PP / PVDF
Removal Ratings	0.003 $\mu m$
Cage	SUS316L
Max. Operating Temperature	170°C
Max. Differential Pressure	Forward 0.55 MPa / 121°C Reverse 0.34 MPa / 21°C