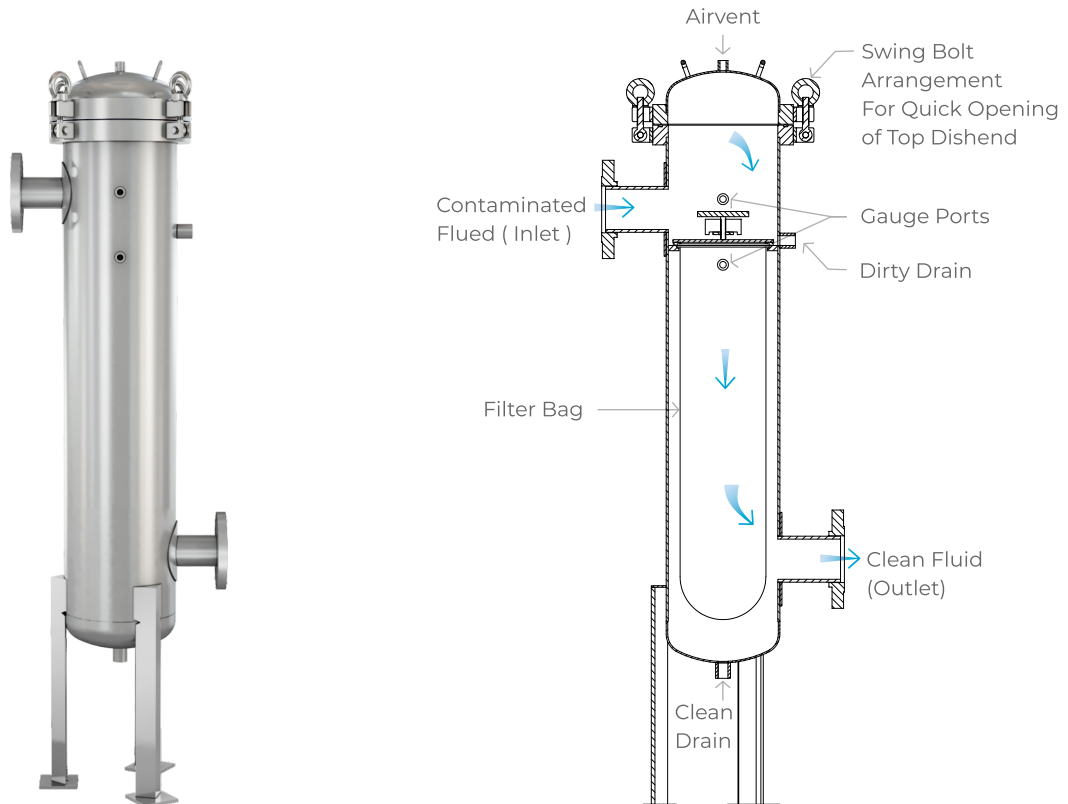


## UNIFIL PA Series

### Single Bag Filter Housing

**The Unifil PA Series Single Bag Filter Housing** is designed to give you peace of mind with safe and reliable filtration. Built in line with ASME Sec VIII Div 1 and PED 2014/68/EU, it combines trusted quality with user-friendly operation. The PA Series not only delivers consistent performance but also ensures easy bag changes and low maintenance. It's the ideal solution for industries that value safety, compliance, and long-lasting dependability.



## Features & Benefits

### ASME Section VIII Div. 1 compliant design :

Ensures maximum safety and reliability, can be CE Marked.

### Flexible Bag Options:

Compatible with both stitched metal ring and plastic collar filter bags, available in multiple materials and micron ratings for wide-ranging needs.

### High Pressure Design:

Rated for 10 bar (145 PSI) or 16 bar (232 PSI), with other pressure options available on request.

### Temperature Resistant:

Operates safely up to 125°C (257°F), making it suitable for high-temperature processes.

### Configurable Flow Designs:

Offered in Side-In/Side-Out and Side In/Bottom-Out configurations to suit different piping layouts.

### Pilot-Friendly Scale:

Ideal for small to medium filtration trials, with easy scalability to larger systems.

### Durable Support Basket:

Heavy-duty perforated basket prevents bag collapse and ensures efficient flow.

### Reliable Sealing:

Advanced Optiseal mechanism guarantees zero bypass from filter bag.

### Efficient Filtration:

High dirt-holding capacity ensures effective contaminant removal and consistent product quality.

### Low Maintenance:

Simple design and quick bag change-outs minimize downtime and reduce operating costs.

## Applications



### Water Treatment:

Effective pre-filter for removing sand, silt, and suspended solids.



### Chemicals:

Removes impurities from paints, inks, adhesives, solvents, and process intermediates.



### Food & Beverage:

Clarifies juices, beer, wine, syrups, and edible oils.



### Pharmaceuticals & Cosmetics:

Ensures purity in creams, lotions, solvents, purified water, and intermediates.



### Metalworking & Automotive:

Filters coolants, cutting fluids, and wash solutions for smooth operations.



### Cooling Towers & HVAC Systems:

Cleans recirculating water by removing dirt, scale, and debris to improve efficiency and prevent corrosion.

## Unifil PA Series Single Bag Filter Housing

### Standard Models for Unifil PA Series

Model No.	Bag Size Number	Inlet/Outlet Size	Typical Flow Rate M <sup>3</sup> /hr (*)	Typical Flow Rate USGPM	Housing Volume (Ltr)
Unifil PA1-C01	Size 1#(Ø7"x16")	40 NB (1.5")	17.5	77	22
Unifil PA1-C02	Size 1#(Ø7"x16")	50 NB (2")	17.5	77	22
Unifil PA2-C02	Size 2#(Ø7"x32")	50 NB (2")	35	154	42
Unifil PA2-C04	Size 2#(Ø7"x32")	80 NB (3")	35	154	42

The flow rates provided are based on LNG FILTERS brand 1-micron polypropylene filter bags. Actual flowrate may vary depending on process parameters and the micron rating of the selected filter bags. Please consult our sales engineers to ensure accurate sizing of your filtration system.

## Top Cover Closer Types



**F1**  
Swing Bolt



**F2**  
Segment Screw Clamp



**F3**  
Stud Hex Nut

# Unifil PA Series Single Bag Filter Housing

## Ordering Table

Model No.	Pressure Rating	Inlet/outlet Configuration	Housing Material (Contact Part)	Gasket Material	Surface Finish	Top Cover Closure Type	Accessory
Unifil PA Series Model	P10 = 10 bar (145 PSI)	St1: Side-In/Side-out	M1=SS304 M2=SS304L	B= BUNA-N	1=Mirror Polish	F1=Swing Bolt	H1: With Hinge Support
	P16= 16 bar (232 PSI)	St2: Side-In/Bottom-Out	M3=SS316 M4=SS316L	E= EPDM	2= Matt Finish	F2= Segment Screw Clamp	H2: W/o Hinge Support
			M5=Carbon Steel	S= SILICON	3=Glass beading	F3 = Stud-Hex Nut	
			MC= Material Grade Other Than listed on Request	V= VITON	4=Paint		
				P= PTFE Encapsulated Viton	5= Custom Surface finish other than listed above		
				N = NEOPRENE			
Example							
Unifil PA2-C02	P10	ST1	M1	S	1	F1	H2

### Ordering Code Example :

Unifil PA2-C02-P10-ST1-M1-S-1-F1-H2

Unifil PA Series Single Bag Filter Housing Suitable for Size2#Ø7"x32"L Filter bag, Rated at 10 bar Pressure, Having Inlet/outlet Connection Size of 50NB(2") in Side-in, Side-out configuration, MOC of Housing SS304 and Seal Material as Silicon, Surface Finish as Mirror Polish, Swing Bolt Top cover without Hinge Support.



MFG OF LIQUID AND GAS FILTERS

**Address :** 8, Uma industrial estate, survey no 300, Nr Shiv Bhumi estate – 3, Bakrol, Ahmedabad – 382430, Gujarat, India

**M : +91 99252 82204 | 91 97227 79907**

**E : info@Lngfilters.com | w : www.Lngfilters.com**