



MFG OF LIQUID AND GAS FILTERS

Cartridge Filter Housing | Bag Filter Housing | Basket Strainer

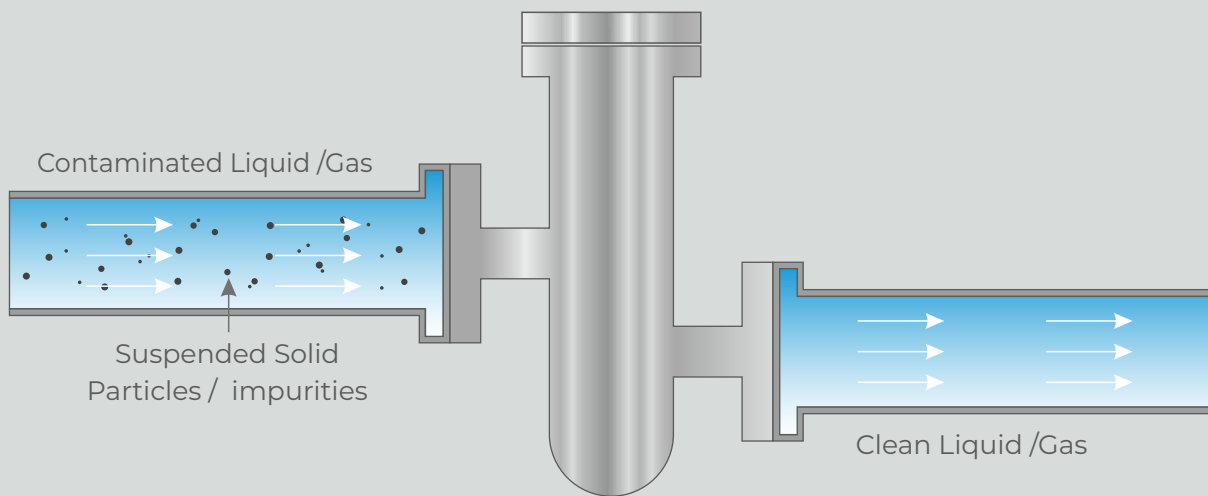




**LF** LNG FILTERS

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At LNG FILTERS, we design and manufactures filters for removing suspended solid particles from LIQUIDS and GASES.



LNG FILTERS  
HOUSING

**LNG FILTERS** is a leading provider of **high-quality Micron Filtration Systems**. With a strong commitment to excellence and customer satisfaction, we specialize in the design and manufacturing of cutting-edge filtration systems aimed at **removing suspended particles and impurities from various fluid streams** by channelling them through high efficiency filter elements.

Our state-of-the-art manufacturing facility, located in Ahmedabad, India, is certified by TuV Nord for ISO 9001:2015 Quality Management System, ensuring the highest standards of quality and performance in every product we deliver. At LNG FILTERS, we understand the critical role of micron filtration in maintaining the purity and efficiency of fluid streams, whether it be liquids or gases.

Partner with LNG FILTERS for all your micron filtration needs and experience the difference of superior quality, reliability, and innovation. Contact us today to learn more about our products and how we can help you achieve your filtration goals.

Established  
**2018**

Product  
Installed  
**1000+**

Certification  
**ISO  
9001**  
By TUV NORD

## APPLICATION

There are endless application of Micron Filtration. Few Product/Process which require our products are listed below. However, if your specific application is not listed, rest assured that we offer tailored solutions to meet your unique needs.

### CHEMICALS

- ▶ Process Water/  
Cooling Water
- ▶ Intermediates
- ▶ Solvents
- ▶ Final Product Polishing
- ▶ Compressed Gases
- ▶ Agrochemicals
- ▶ Catalyst Recovery In  
Hydrogenation
- ▶ Effluent Water Treatment

### INDUSTRIAL

- ▶ Thermic Fluid Oils,
- ▶ Pre Filter for Spiral  
Heat Exchanger
- ▶ Lubrication Oil in  
Still Plants
- ▶ Transformer Oil
- ▶ Instrument Air in  
Textile Industry
- ▶ Boiler Feed Water
- ▶ Adhesives
- ▶ RO Pre-Filter

## APPLICATION

### OIL AND GAS

- ▶ Amine Sweetening
- ▶ Glycol Dehydration
- ▶ Condensate Stabilization
- ▶ Refinery Final Product
- ▶ Produced Water Treatment before disposal

### SEMICONDUCTOR

- ▶ Process Cooling Water
- ▶ CMP Slurry
- ▶ Ultra Pure Water
- ▶ FPD Array Process
- ▶ FPD Colour Filter Process

### INK/PAINT

- ▶ Varnish
- ▶ Coatings
- ▶ Water Based Ink
- ▶ Solvent Based Ink
- ▶ Paints

### PHARMACEUTICAL

(Formulations)

- ▶ Oral Liquids
- ▶ Parenterals
- ▶ Ophthalmic Solution
- ▶ Purified Water / WFI Tank Vent
- ▶ Compressed Air / Nitrogen

### PHARMACEUTICAL

(API)

- ▶ Fermenter Feed Compressed Air
- ▶ Fermenter Vent
- ▶ Catalyst recovery
- ▶ Solvents
- ▶ Sulfuric acid / Aggressive Chemicals

### FERTILIZER

- ▶ Ammonia
- ▶ Compressor Intake/ Discharge Air
- ▶ Platinum Recovery
- ▶ Nitric Acid

### FOOD AND BEVERAGE

- ▶ Edible Oil
- ▶ Glucose/Media components
- ▶ RO Water/Ultra Pure Water
- ▶ Final Filtration Before Bottling
- ▶ Distilled Spirits

### SOLAR

- ▶ PCW\* for Wafer Saw System
- ▶ PCW\* For Solar Cells Manufacturing

\* PCW= Process Cooling Water

## PRODUCT SPECIFICATION RANGE

Parameter	Specification Range
Filter Housing Material	Stainless Steel (All Grades), Carbon Steel, Low Temperature Alloys, High-performance Linings & Coatings for Corrosive Applications
Design Standard	ASME SEC VIII DIV 1/ GOOD ENGINEERING PRACTISE
Fluid Flow Rates	10 LPM to 18,000 LPM
Operating Temperature	Ambient to 371°C
Pressure Ratings	150 Class to 2500 Class
Filtration Ratings	0.1 Micron to 1000 Microns
Filter Element Material	Polypropylene, Polyester, Microfiberglass, PTFE, Polyethersulfone, Stainless Steel mesh, Stainless Steel/Titanium Sintered Metal, Nylon

**CARTRIDGE FILTER HOUSING**

**Housing Type**

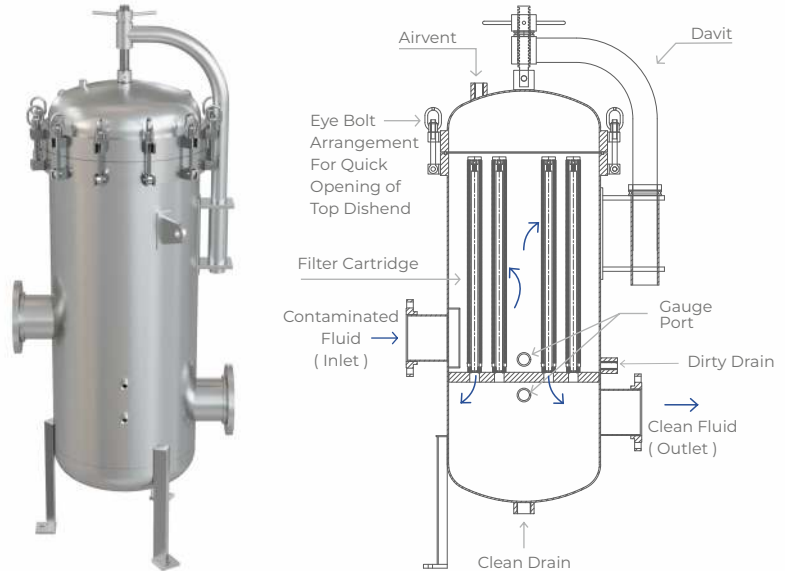
Vertical Multi-Round Housing

**Type of Filter element**

DOE or SOE Filter Cartridge

**No of Filter Elements**

3 / 5 / 7 / 12 / 14  
/ 21 / 25 / 36 / 51



**Key Advantage :** Universal design offers diverse filter cartridge options, Swing bolt closure ensures easy maintenance, Knife edge seal maximizes efficiency

**BAG FILTER HOUSING**

**Housing Type**

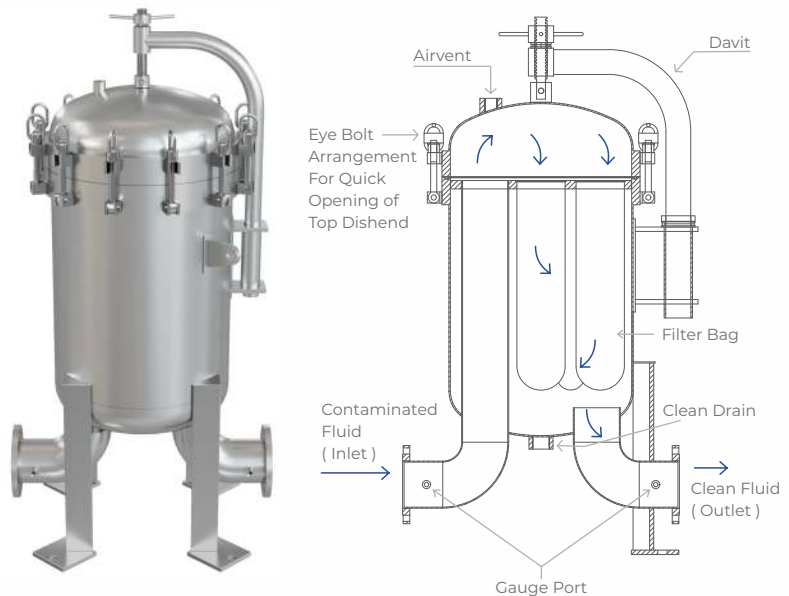
Vertical Bag Filter Housing

**Type of Filter Element**

Filter Bag Size : Ø7"x32"

**No of Filter Elements**

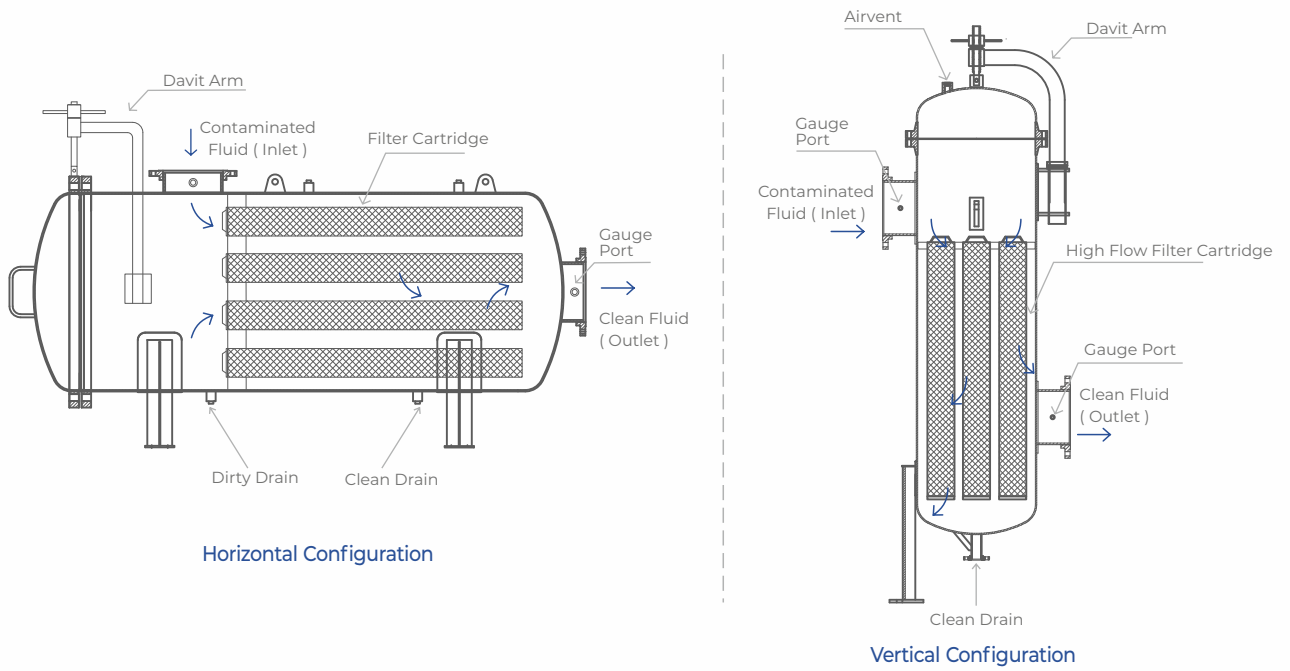
1 / 3 / 4 / 6 / 8 / 12



**Key Advantage :** Easily change filter bags with Top Load Tubesheet design, no support platform needed. Individual bag sealing ensures peak efficiency. Lowest consumable costs

# PRODUCTS

## HIGH FLOW CARTRIDGE FILTER HOUSING



### Housing Type

Multi-Round Housing

### Housing Configuration

Horizontal/Vertical

### Type of Filter Element

High Flow Filter Cartridge

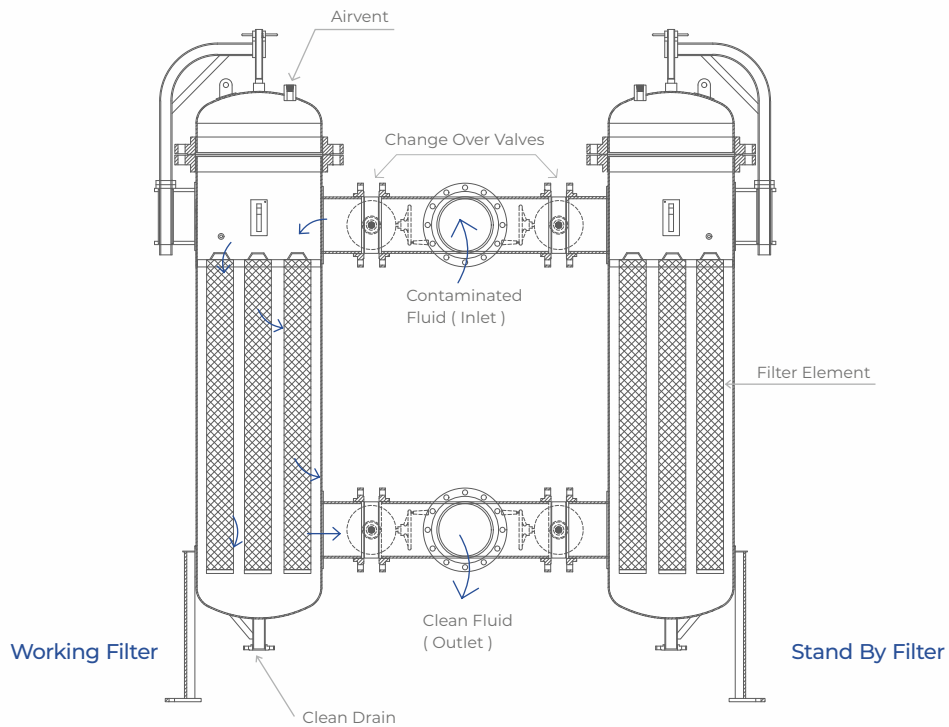
### Size of Filter Element

Ø6"x40"L, Ø6"x60"L



**Key Advantage :** Efficiently handles high volume flow, exceptional dirt holding capacity, minimal footprint for optimal plant space utilization

**DUPLEX FILTER SYSTEM**



**Housing Type**

Vertical Duplex Filter

**Inlet / Outlet Size**

1 inch to 12 inch

**Type of Filter Element**

Bag / Basket / Cartridge

**No of Filter Elements**

Customize to needs



**Key Advantage :** Always-on filtration with one filter working while the other remains on standby, Customizable Basket/Bag/Cartridge filters in Duplex configuration are tailored to specific process needs

# PRODUCTS

## BASKET STRAINER HOUSING

### Housing Type

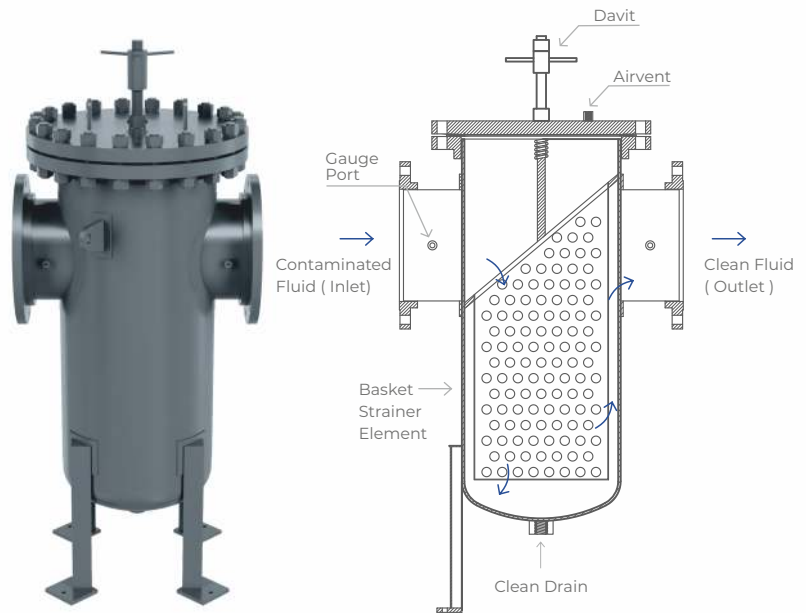
Fabricated In-line Basket Strainer

### Type of Filter Element

Perforated Strainer with / without lined mesh

### Inlet / Outlet Size

2 inch to 24 inch



**Key Advantage :** Filters with an open area ratio of 4 and above maximize flow, All models boast a strainer burst differential pressure of 2 kg/cm<sup>2</sup>, Multiple choices of perforated screens and meshes allow customization

## SANITARY AIR/GAS HOUSING

### Housing Type

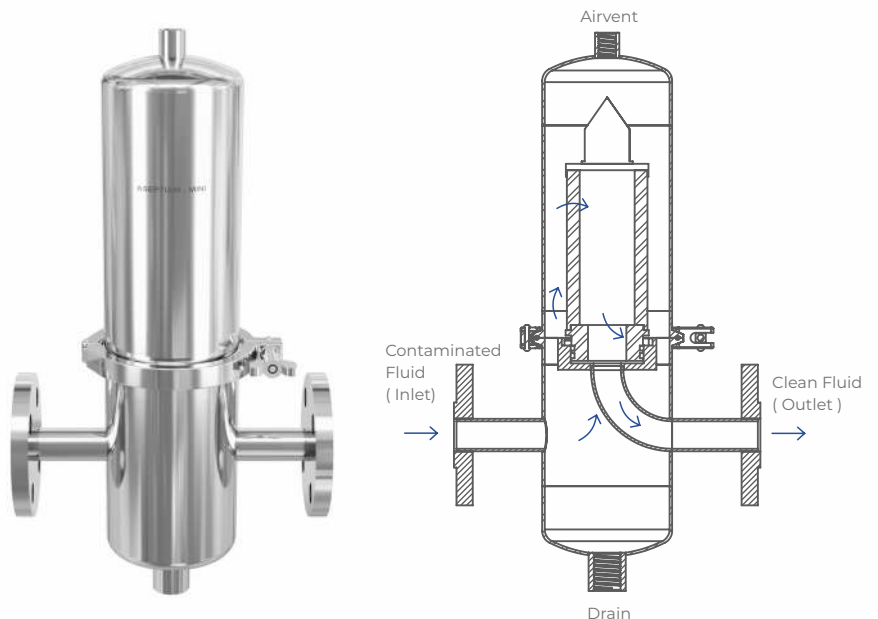
Single Cartridge Filter Housing

### Type of Filter Element

Code-7 Filter Cartridge

### Filter Element Length

5 / 10 / 20 Inch



**Key Advantage :** Efficient Condensate Collection with Bottom drain feature, Compact in-line design ideal for installations with limited space availability, Triclover clamp mechanism facilitates quick and easy filter change-out, I-type Filter Housing for Air/Gas Venting



**SANITARY LIQUID FILTER HOUSING**

**Housing Type**

Sanitary Filter Housing

**Type of Filter Element**

Code-7 Filter Cartridge

**No of Filter Elements**

1/3/5/7/12



**Key Advantage :** Surface roughness of less than 0.4 Micron Ra Value ensures superior cleanliness & reducing the risk of contamination. Zero-hold up of process fluid due to sanitary design, maintaining purity and preventing cross-contamination in sensitive applications.

**FILTER ELEMENTS**

**Filter Element Types**

- Conventional Filter Cartridges
- Sintered Metal Filter Cartridges
- High Flow Filter Cartridges
- Strainer Elements
- Filter Bags

**Configuration of Filter Elements**

- Meltblown
- Wound
- Pleated
- Sintered
- Sewn/welded (for bags)

**Filter Element Media**

- Polypropylene
- Microfiberglass
- Polyethersulfone
- Stainless Steel, Titanium
- Polyester/Nylon (for Bags)

**Micron Rating & Efficiency**

- 0.2 µm to 400 µm
- Nominal to Absolute (Beta: 5000)



\*LNG FILTERS is authorized channel partner of Graver Technologies LLC, USA for High performance Filtration Products.

# WHY US

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## **QUALITY**

The filter housings and consumables are produced under Quality Management System (QMS) which ensures the consistent quality over the period of time. The filter housings are manufactured using guidelines of Pressure Vessel code of ASME. The QMS covers the every operation of manufacturing, Right from the raw material procurement, manufacturing process, intermediate quality checks. The intervention of client as per Quality Assurance Planning (QAP) make certain that desired quality parameters are obtained.

The filter elements and cartridges are manufactured under controlled environment. The technical textiles used for the particular application are carefully selected to suit the application requirement. The Quality dossier submitted along with products ensures the traceability of our quality products.

## **SHORT MANUFACTURING LEAD TIME**

Our state of the art manufacturing facility and optimized manufacturing process ensures short delivery time which keeps us ahead of our peers.

## **COMPETITIVE PRICE**

Our optimized manufacturing process help us reduce the overall operation cost and enable us to offer the Quality product at competitive price.

## **CONTAMINATION ANALYSIS**

It is often encountered that the filtration rating is wrongly selected due to lack of analytical data. The behaviour of filtration system largely depends upon the nature of contamination, it's physical and chemical characteristics. We at LNG filters, provide complete solution for identification of contamination particle size and it's characteristics. It greatly reduced expense of trials and provide adequate solution.

## **PILOT SCALE TRIALS**

The filtration process depends upon temperature, pressure and many other process parameters. Therefore, it is always not possible to predict the outcome through laboratory scale filtration process. We provide pilot scale production trials to provide reliable solution at affordable price.

## **FILTRATION PROCESS OPTIMIZATION**

The inadequately designed filter system either increase the capital investment (in case of overdesign) or exhibits the poor performance (in case of under design). We provide on-site inspection to optimize the filtration process.

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TEA



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**Reg. Office :** 229, Bhavanpura Pith, Outside Raipur Gate,  
Ahmedabad - 380022, Gujarat, India.

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

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**M :** +91 95107 30401 | 91 97227 79907  
**E :** info@Lngfilters.com | **w :** www.Lngfilters.com

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