



# BAHRAIN INDUSTRIAL FACTORY WLL







## COMPANY BACKGROUND

The company was originally established under the name “Bahrain Industrial Filters Mfg. WLL (BIF)” in 1997 in the Kingdom of Bahrain. Recently, the company has renamed itself “Bahrain Industrial Factory WLL” as part of the expansion of its products. It was one of the first in the Gulf region to have ventured into the manufacture of “Filter bags” a highly technical product for an equally important application as air pollution control in all the Major industries.

Founded by Mr. Redha Najjar, BIF was established to provide local industries with reliable, high-performance filtration products manufactured in Bahrain, a GCC member country, enabling reduction in lead time and ensuring supply chain resilience.

The company has merged with a well-established local business group, Global Industry Resources WLL, which is engaged in the supply of high-end technical products to all the Major industries inside the GCC and overseas

Under its new name, Bahrain Industrial Factory WLL (BIF), the company continues to expand its manufacturing capabilities to include all types of filter products for both dry and liquid filtration applications. These are made from selected filter media imported from the best manufacturing plants in Europe, Asia & North America. A team of qualified engineers and well-trained “Technicians” develop in the State-of- the- Art production facilities into filter bags to meet the ever-increasing quality standards requested by the industries.

We have specialized and qualified engineers for our Technical Services, having long experience in many industrial applications like – Cement, Aluminum, Iron & Steel, Waste Incineration, Asphalt, Lime Industry, Chemical & Pharmaceutical, Power Plants, Food Industry, Flour Mills etc. in entire GCC. We have a multi- cultural work force team from various nationalities, thus forming a homogeneous team with excellent results.

Our goal is to serve all industrial customers here in Bahrain and throughout the GCC region by fulfilling their requirements of high quality filter bags.

## FILTER MEDIA FOR THE LOW TEMPERATURE RANGE

Filter media Types	Continuous operating temp* (Maximum)	Resistance to Hydrolysis	Resistance to Acids	Resistance to Alkalis**
Polypropylene	90°C/(95°C)	Excellent	Excellent	Excellent
Polyamide	110°C/(115°C)	Restricted	Restricted	Good
Polyacrylonitrile homopolymer	125°C/(140°C)	Good	Good	Good
Polyester	150°C/(150°C)	Restricted	Good	Restricted

## FILTER MEDIA FOR THE HIGH TEMPERATURE RANGE

Filter media Types	Continuous operating temp* (Maximum)	Resistance to Hydrolysis	Resistance to Acids	Resistance to Alkalis**
Polyphenylene sulfide	190°C/(200°C)	Excellent	Excellent	Excellent
m-Aramid	200°C/(220°C)	Restricted	Restricted	Restricted
Polyimide	240°C/(260°C)	Good	Restricted	Restricted
Polytetrafluorethylene	250°C/(280°C)	Excellent	Excellent	Excellent
Glass	260°C/(280°C)	Good	Restricted	Restricted



## HIGH TEMPERATURE FILTER BAGS

High-temperature filter bags for process bag filters are made from specialized materials like Fiberglass, Polyimide (P84), 100% PTFE, PPS, Aramid (Nomex), which can withstand continuous temperatures over 160°C and up to 260°C.



## LOW TEMPERATURE FILTER BAGS

Low-temperature filter bags for process bag filters are made from specialized materials like Polyester, Homopolymer Acrylic, Mix Felt, Antistatic, which can withstand continuous temperatures of 90-150°C.



# PLEATED FILTER CARTRIDGES:

These are new generation filters that are very compact offering large surface area for filtration. Ideal suited for dry dust in low concentration for large air volume.

These are installed in place of regular filter bags in normal dust collector equipment, but most commonly found in mobile filter units.



# AFTER SALES TECHNICAL SERVICES

## Technical Services – Pre & Post supply contract:

All our filter products are ably supported by a dedicated team of Service personnel who would provide assistance in all technical matters, such as explaining product details & their new features, trouble-shooting bag house issues using portable testing kit to analyse, report and provide custom made technical solutions. To provide speedy service support, we have our personnel located in KSA, UAE, Oman and Bahrain.

### Testo 510i Differential Pressure Gauge



## BIF EXPERTISE:

BIF, through its years of working closely with APC-Equipment manufacturers (OEMs') on many of their projects, has gained a rich knowledge in understanding the nuances of bag house design & its hardware. This has enabled our Service Engineers to grasp all the different bag house problems that plague the industry and provide appropriate solutions to fix them



## OTHER FILTER ACCESSORIES:

### Support Cages:

#### Material:

- Mild Steel with Heat Resistant Aluminium Paint
- Carbon Steel
- Galvanized Steel
- Epoxy Coated
- Stainless Steel



# LIQUID FILTERS

## 1. Plate & Press Filter

The most common and age-old concept of a liquid filter that operates on a discontinuous process. Not only does it deliver a high clarity filtrate but also produce drier cake.

Also finds application in filtering industrial liquid effluents.



## 2. Centrifuge Filters

Yet another liquid filter equipment for small filtration volumes, used in Pharmaceutical companies for coarse, amorphous solid particles. The batch process uses fabric filters. A continuous version of this is also available but uses st. steel screens.



## 3. Horizontal Vacuum Belt Filter

These are used mainly in mineral beneficiation plants where large amount of ore in slurry form is filtered to rid-off the contaminants of the main ore. These operate on a continuous basis, and large volumes of liquid is filtered, using vacuum to speed up the filtration and also to deliver a drier cake.



## 4. PAN Filter

Similar to Belt filters, but the filter element is fitted on a not a continuous belt form but segmented into panel, each fitted into a supporting pan. The equipment carrying many individual pans is placed horizontally and revolves at a nominal rpm. The slurry is filtered to a dry cake in each pan at end of each revolution and discharged by a tilting mechanism.



### 5. Sparkler Filter:

A batch filter equipment, used as a finishing filter to obtain the last remaining fine contaminants, to obtain a sparkling quality filtrate, such as in beverages and edible oil. Mainly used in Pharma, and food industries as a final filter before packaging.



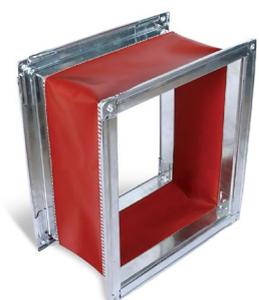
### 6. Coolant Oil Filter

For large quantity of low viscosity fluid containing small quantity of solid contaminant, these filters are used to rid off the small dirt load. The filter element, in the form of thin paper, is discarded at the end. Such filter equipment find applications during hot and Cold rolling of sheet metals and metal wire extrusion processes



### Other Associated Technical Textile Products:

1. Air Slide
2. Fabric Flexible Bellows & Expansion Joints
3. Expansion Joints
4. Fabric Conveyor Belts
5. Air Filters for HVAC application.









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