

# Droplet® **FRP BAG FILTER HOUSING**

## INNOVATIVE HIGH FLOW CORROSION FREE FILTRATION SYSTEM


**SAHARA INDUSTRY**, India's leading manufacturer and supplier of Bag Filter Housing is a pioneer in this segment. The FRP Bag Filter Housing has excellent anti-corrosion capabilities with wide range of chemical compatibility and resistance to UV and atmospheric oxygen while bearing the high pressure of 10kg/cm<sup>2</sup>.

Compared with products made from stainless steel, the FRP housing has various advantages in terms of being light weight, low cost and rust free. The FRP filter housing has the highest operating pressure compared to PVC filter housings. We have introduced the FRP filter housing to the world that has highest flow rate and operating pressure of upto 10kg/cm<sup>2</sup>.

The filter housing is made from 100% FRP material and can effectively replace stainless steel / PVC housing and work smoothly in corrosive harsh operating conditions.



### APPLICATIONS

 Water Filtration	 Pharmaceutical
 Oil & Gas	 Industrial Filtration
 Food & Beverages	 Chemical Processing
 Power Plants	 Marine Filters
 Commercial Building	 Swimming Pool
 Paper Industry	 Hospitals
 Dairy Industry	 Textile Industry

### FEATURES & BENEFITS

- Wide Chemical Compatibility.
- 100% Corrosion Free.
- FRP Construction offers longer life.
- Molded construction for product consistency.
- Quick lock plate closure.
- Equipped with bag hold down assembly to avoid bypass
- Maximum operating pressure
- Maximum operating temperature up to 60°C
- Easy installation - cartridge and bag filter change out.

FROM THE HOUSE OF



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**SAHARA INDUSTRY**  
Innovation Beyond Your Imagination

## Specification: Droplet Bag Filter

Materials	Housing Sump/Top Housing Lock "O"- ring/Gasket	Fibre-reinforced plastic (FRP) Stainless Steel Silicon (others on request)
Suitable Filter Bag	Size Filter bag accomodation Bag collar type	Size 7"x16", Size 7" x 32" 1 filter bag per housing PP collar
Configuration	Connection Type Connection	Flange ASA#150 2" , 2.5", 3", 4", 6" & 8"
Operating Conditions	Maximum operating pressure Hydro-test pressure Operating temperature range	10 bar (150 psi) @ 21°C (69.8°F) 15 bar (225 PSI) 4°C (39.2°F) to 60°C (140°F)



### Single Bag System

Length	Size	Typical Flowrate	Filter Bag
16"	7" x 16"	18m <sup>3</sup> /hr	1 No.
32"	7" x 32"	35m <sup>3</sup> /hr	1 No.

### Multi Bag System

Length	Size	Typical Flowrate	Filter Bag
32"	7" x 32"	105m <sup>3</sup> /hr	3 No.
32"	7" x 32"	175m <sup>3</sup> /hr	5 No.
32"	7" x 32"	245m <sup>3</sup> /hr	7 No.



#### Corporate Office:

Flat no 102, Sri Chakra Arcade, Rd Number 1, near Euro Kids School, Balaji Enclave, HAL Colony, Old Bowenpally, Secunderabad, Telangana - 500011.

Contact No: +91 91007 12121, +91 94905 24344

E-mail: [info@saharaindustry.com](mailto:info@saharaindustry.com), Website: [www.saharaindustry.com](http://www.saharaindustry.com)

