



Bag Vessel Assembly / Plastic Liner
Bag Filter Housing
Designer-Manufacturer-Exporter-Supplier





Bag Vessel Assembly

Bag vessel assembly keeps the filter system on stream by reducing bag filter change time for limited flow demand. The single large acme thread closure ensures quick opening and positive sealing. Bag Vessel assemblies are light and portable. The bag vessel's economical price allows to install a preferred duplex system for totally uninterrupted flow rates. It is made of light weight corrosion resistant polypropylene to give all the strength without bulk. It has Fixed-head mounting and is compact enough to attach to any machine.

Operation

Unfiltered fluid enters the housing and is distributed evenly around the filter bags. Filtration takes place from inside to outside. Solids are collected on the inside of filter bag for easy removal. The filtered fluid then exits through the outlet pipe.

Features & Benefits

- All polypropylene construction
- High efficiency filtration
- Micron rating 1 to 200
- Snap lock bag sealing surface
- Positive sealing of different bag thickness
- Dynamic large 'O'-ring seal
- Compression bag sealing surface
- Knife edge sealing

Material Of Construction

- O-ring : Buna-N / EPDM / Silicone
- Cap : Polypropylene
- Sump : Polypropylene
- Gauge : Brass (Optional)
- Vent Plug : Polypropylene
- Ball Valve : PVC
- Basket : Polypropylene

Technical Specifications

Bag filter system suitable for

- Ø 4" x 10" Long Filter Bag
- Ø 4" x 17" Long Filter Bag
- Ø 6" x 20" Long Filter Bag

Flow Rate

- Capacity: Up to 15000 lits /hr Per Unit & More

End Connections Available

- 1" NPT Inline
- 1.5" NPT Inline
- 2" NPT Inline

Plastic Liner Bag Filter Housing



Plastic Bag Housing is made of 100% pure German made Polypropylene resin, by integrated one-piece injection molding technologies, featuring excellent resistance to pressure, corrosion and ultraviolet light attack. It is designed to use industrial standard Size two filter bags (Ø 7" X 32"long); Filter Housing has broad applications, and is ideal for high flow, corrosive and outdoor applications.

Features & Benefits

- Made by integrate one-piece injection molding. High overall product integrity and strength.
- UV inhibitor plastic formulation, ideal for extended outdoor applications
- Fiber glass reinforced structure for boosted pressure resistance
- Use industrial standard Size 2 filter bag. User friendly
- Filter bag seal: use patented bypass free pressure seal ring.
- Effective top mounting lipped high pressure gasket
- Only one gasket seals the entire housing
- Inlet/outlet Connection: 2.0 BSP
- Inlet/outlet Configuration: Side-in, side-out, offline dual option
- Seal Gasket Materials: Buna-N & Viton
- Standard Package: Buna-N gasket, basket, vent valve, plastic bag holder
- Options: Polypropylene flange, plastic pressure gauge

Technical Specifications

- | | | |
|------------------------------|---|-----------------------|
| • Max. clean water flow rate | : | 45 m ³ /Hr |
| • Filter bag surface area | : | 0.50 m ² |
| • Vessel volume | : | 32 liters |
| • Operating pressure | : | 0.8 MPa |
| • Max. pressure allowed | : | 1.0 MPa |
| • Operating temperature | : | Max. 60°C |
| • Qty. & size of filter used | : | 1No., Size 2 Bag |

Applications

- Corrosive liquid processing
- Wastewater treatment
- RO system pre-treatment
- Desalination
- Fishery & hatchery
- Electro plating
- Electronics & semiconductor



Designed By: e-brandstudio.com

Filter Concept Pvt. Ltd.

(An ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007 Certified Company)

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