

GIANT Series Bag Filter Housings

This cost-effective range of lightweight molded plastic bag housings are supplied in a variety of options:

- Clear styrene bowls,
- Corrosion resistant blue polypropylene,
- Natural polypropylene (for high purity water)
- Glass reinforced Nylon materials for high temperature applications.

Ideal for low flow and operating pressures up to 100psi (6.9bar), these housings feature our unique dual thread connections that accommodate either 1" or 1-1/2" pipe sizes.

Available in either 10" or 20" housings, all units are supplied with a pressure gauge and filter wrench. Polypropylene housings include a tapped bottom drain with plug and drain valve.

Filter bags are available in both polypropylene and polyester and feature our unique positive seal to minimize liquid bypass.

Features and Benefits

- **High-Efficiency Design**
Head and sump threads incorporate our positive stop feature to prevent overtightening. O-ring is securely retained in groove at top of bowl so that it stays in place even during bag replacement.
- **Fully Compliant**
Full testing to industry standards of the Water Quality Association for burst pressure, water tightness and fatigue resistance. Polypropylene and clear housing models manufactured from FDA grade materials for potable water.
- **Cost effective**
Economical alternative to bulky, heavy metal housings.

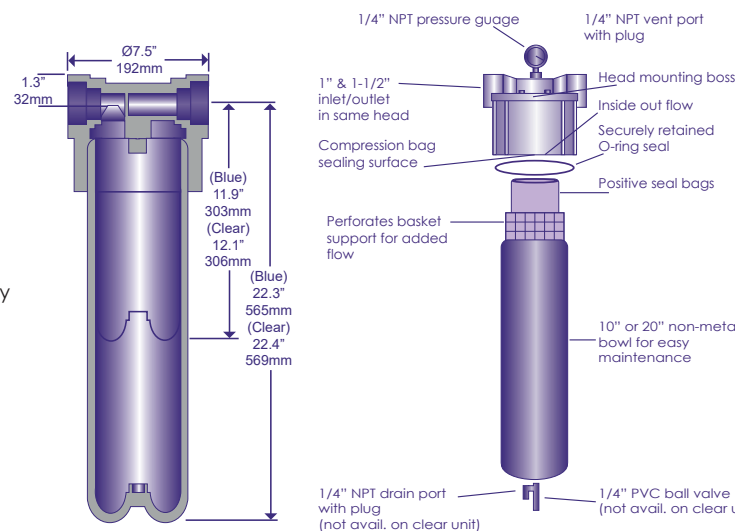


Typical Applications

GIANT Series bag filter housings are suitable for the filtration of a wide range of process liquids.

Typical applications include:

- **Food and Beverage**
Process water, polishing lines and clarification.
- **General Industrial and Process Water Prefiltration**
Particulate removal prior to reverse osmosis polishing.
- **Fine Chemicals (polypropylene housings)**
For the clarification of a wide range of process chemicals.
- **Coatings**
Coating lines, solvents, inks and dyes.



Variants

GIANT Talc Polypropylene and Clear Styrene Bag Housings

GIANT bag housings offer the following unique features:

- Available with exclusive 10" and 20" clear styrene acrylonitrile (SAN) bowl or our 10" and 20" blue talc reinforced polypropylene bowl.
- Both 1 1/2" and 1" NPT connections are included in every GIANT filter head.
(Also available with British pipe threads).
- Mounting bosses in head for available bracket.
- Talc unit comes complete with pressure gauge, basket support, polypropylene drain plugs, wrench and ball valve to drain sump.
- Clear unit comes complete with pressure gauge, basket support, polypropylene plugs and wrench. Drain is not provided with clear bowls (CGB10, CGB20). Do not tap drain in clear bowl.

General Service Parameters

GIANT Clear Bowl with Talc Reinforced Head - CGB10 and CGB20. This unique clear vessel is rugged enough to handle cold water applications to 100 psi. It is a perfect solution for pilot plant and start-up processes where direct visual observation is desirable.

Pressure Drop Vs Flow Rate

10" GIANT Flow Pressure Drop		20" GIANT Flow Pressure Drop	
GPM	PSI	GPM	PSI
5	0.6	5	0.4
10	0.4	10	0.6
15	1.2	15	0.9
20	1.8	20	1.5
25	2.5	25	2.4
30	3.5	30	3.4
35	4.7	35	4.7
40	5.9	40	6.1
		45	7.8

Ordering Guide * SAN Styrene Acrylonitrile

Part number	Model No.	Materials	Nominal Length	Max Operating Temperature	Max Operating Pressure
052639	CGB10	White polypropylene head, *Clear SAN bowl	10"	125°F (52°C)	100psi (6.9bar)
052640	CGB20	White polypropylene head, *Clear SAN bowl	20"	125°F (52°C)	100psi (6.9bar)
052637	BGBD10	White polypropylene head, Blue polypropylene Bowl	10"	125°F (52°C)	100psi (6.9bar)
052638	BGBD20	White polypropylene head, blue polypropylene Bowl	20"	125°F (52°C)	100psi (6.9bar)
052651	NPGBD10	Natural polypropylene head and bowl	10"	125°F (52°C)	100psi (6.9bar)
052652	NPGBD20	Natural polypropylene head and bowl	20"	125°F (52°C)	100psi (6.9bar)
High Temperature Bag Housings					
053019	HTGB10	Reinforced Nylon head and bowl	10"	180°F (82°C)	100psi (6.9bar)
053020	HTGB20	Reinforced Nylon head and bowl	20"	180°F (82°C)	100psi (6.9bar)

PFG789 / Rev 2 Nov21

GIANT Pure Polypropylene Bag Housings

Our GIANT pure polypropylene bag housings are ideal for use in all industries where filtered liquids must remain free of contamination.

These housings are especially essential in the semi-conductor and chemical processing industries. They are constructed of virgin polypropylene without color, adders, fillers, reinforcements or lubricants.

In critical applications, these all natural housings ensure pure, cost effective filtration of a variety of solvents, acids, alcohols and chemicals without leaching or bacterial build up. Our 100% polypropylene housings provide an inexpensive alternative to Teflon* or fluoropolymer housings.

Features include:

- 100% polypropylene construction
- Smooth contact surfaces to prevent bacteria and dirt buildup
- Utilizes a non-lubricated silicone O-ring as standard
- Comes complete with pressure gauge, drain plugs, basket support, ball valve and wrench