

BIG-BUBBA[®]

FILTERS



The economical alternative to high cost stainless steel.

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Non-Metallic Filter Housings for High Flow Rates & Low Cost

Rugged construction

Big-Bubba filter housings are made of rugged, glass-reinforced polypropylene so they will not chip, rust or dent. And because all wetted surfaces are non-metallic, they are ideal when chemical compatibility is an issue and for sea water applications.

Low cost

Big-Bubba filters are an economical replacement for stainless steel filtration equipment because of their non-metallic construction and today's high cost of stainless steel!

Applications

Big-Bubba filters are ideal for a wide range of applications, including:

- Commercial filtration
- Industrial filtration
- Pre-filtration for reverse osmosis equipment
- Community water systems
- Sea water applications due to their non-corrosive construction
- Replacement for bag filters for more filter area
- Replacement for multiple cartridge filters for greater convenience
- Water for livestock & poultry
- Whole house filtration



Proprietary cartridges

We offer a full line of replacement cartridges for Big-Bubba filters, all with double o-ring seals for superior performance. Cartridges are easy to install, easy to service and easy to replace. Some of the filter media we use in select micron ratings are cleanable and reusable to reduce filtration costs.

Double o-rings for superior sealing.

E-Z change-out

Cartridge replacement is easy as 1-2-3:

1. Remove swing bolts.
2. Remove lid.
3. Rotate cartridge 1/4 turn and pull-up.

Filter inlet.

Two outlets

Big-Bubba filters have two outlets on opposite sides to allow more flexibility with piping configurations.

Filter may be installed in-line or piping may come from the same direction. A plug is provided for the outlet, not used.

Filter outlet.

Big-Bubba filters offer a wide range of replacement cartridges for every application!

Big -Bubba® filters are ideal as stand alone filters or used for filtration systems.



Parallel installation

Parallel installations are recommended to achieve high flow rates, by installing filters on a common manifold, feeding all filters installed in a row.



Series installation

Series installations are recommended for applications such as surface water filtration, where cartridges having different micron ratings are used.

Three cartridge types



Pleated cartridge

Pleated cartridges

Ideal for more critical applications, offering greater efficiency, more surface area for greater throughput and reduced cost.

Product code	Media Type	Micron Rating	Per case
BBC-150-P1A	PP	1 Absolute	1
BBC-150-P1	PP	1	1
BBC-150-P5	PP	5	1
BBC-150-P20	PE	20	1
BBC-150-P50	PE	50	1
BBC-150-PM150	Mesh	150	1

Note: 5, 20, 50 and 150 micron cartridges are cleanable and reusable to reduce costs.

Depth cartridges

Melt blown Polypropylene cartridges are recommended when depth filtration is necessary for gelatinous substances and when chemical resistance may be a requirement.

Product code	Media Type	Micron Rating	Per case
BBC-150-D1	PP	1	1
BBC-150-D5	PP	5	1
BBC-150-D20	PP	20	1
BBC-150-D50	PP	50	1



Depth cartridge

Activated carbon

Ideal for whole house filtration to reduce chlorine, taste, odors and sediment.

Product code	Media Type	Micron Rating	Per case
BBC-150-AC	Activated Carbon	10	1

Note: We build filtration systems, or they may be installed on site. For more information please inquire!



Activated carbon cartridge

Specifications

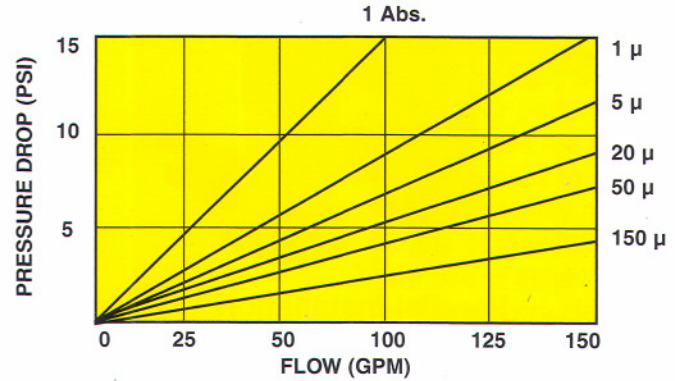
Specifications	Data
Body (all wetted surfaces)	Glass reinforced PP
Cartridge end caps	Glass reinforced PP
Swing bolts	304 stainless steel
O-rings (cartridges)	EPDM (Viton optional)
O-ring (lid)	EPDM (Viton optional)
Pipe fittings	2" slip
Overall height	40"
Width (vessel OD)	12"

Specifications	Data
Maximum flow rate	150 GPM* (36 M ³ /hr.)
Maximum flow (carbon)	15 GPM
Maximum flow (1 Absolute)	50 GPM
Maximum temperature	175°F (80°C) @ 80 psi
Maximum working pressure	125 psi (8.75 bar)
Burst test	300 psi
Cycle test	100,000

* Highly dependent on micron rating, solids content and other factors. Please see pressure drop chart below.

Low pressure drop

Big-Bubba filter housings are designed to minimize pressure drop, by using 2" pipe fittings and large diameter center tubes for Big-Bubba filter cartridges. (See chart at right for pressure drop data using pleated cartridges.)



Big-Bubba cartridge specifications

	Pleated	Depth	Activated Carbon
Media	PP	PP	Activated carbon
End caps	PP + FG	PP + FG	PP
Center tubes	PP	PP	PP
Maximum flow rate (GPM)	150	100	15
Maximum temperature	175°F (80°C)	175°F (80°C)	140°F (60°C)
Maximum ΔP (psi)	30	40	30
Chemical resistance	Excellent	Excellent	Not a factor (for water)
Length (media)	26-1/4"	26-1/4"	26-1/4"
O-rings (dual)	EPDM	EPDM	EPDM
Shipping weight (lbs.)	5	5	7
Carton dimensions	7" x 7" x 31"	7" x 7" x 31"	7" x 7" x 31"
Micron ratings	1A, 1, 5, 20, 50, 150	1, 5, 20, 50	10

Note: Flow rates are based on each specific application, micron rating, solids content and a number of other factors. End user should consider these factors when selecting the filter housing (or number of filter housings) needed for their particular requirement.

Spare parts

Part Numbers	Description
BB-LID	Lid
BB-PR	Pressure release button
PG15L25	Pressure gauge
BB-EYEBOLT	Eye bolt
BB-POST	Post for eye bolt
BB-WASHER	Washer for eye bolt
DRAINPLUGOR	Drain plug with o-ring

Part Numbers	Description
BB-ORING-E	O-ring for lid (EPDM)
BB-ORING-V	O-ring for lid (Viton)
BC-ORING-E	O-ring for cartridge (EPDM)
BC-ORING-V	O-ring for cartridge (Viton)
BB-COUPLER	Pipe fitting coupler (two pieces)
BB-COUPLER-OR	O-ring for coupler
BB-PLUG	Plug for second outlet



Industrial filters using Big Bubba® filter cartridges

We also supply stainless and carbon steel filter housings for Big-Bubba cartridges for use in heavy-duty industrial applications. For more information, please inquire!

WATTS®
WATER QUALITY & CONDITIONING PRODUCTS

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