

40G & 80G FILTERS



Big Foot Filters are designed to be used as an initial filter on the suction side of a pump using surface water sources. The 40G and 80G, rated at 40 gallons per minute and 80 gallons per minute respectively, are made of heavy-duty PVC plastic. Extra large intake areas will require little or no service during the pumping season and will give many years of trouble-free service, even under the most severe conditions.

The 40G uses the 6" diameter screen on the outside and 2" diameter inside screen with 1/8" slots with an open area of 20 square inches. The 80G Filter's 12" diameter outside screen has an intake area of approximately 80 square inches and the 6" diameter inside screen has an intake area of approximately 33 square inches.

The 40G and 80G can be ordered equipped with a check valve and can be ready to connect to your pump. The area between the two screens can be ordered filled with bulk-filter matting which has been produced from the finest raw materials and certified fish-safe by an independent bio-assay lab using standard EPA test protocols. The filtering media will provide an effective means of keeping algae and other forms of marine life out of the pumping system. In addition, the extra inlet area reduces entrance velocities to the point that foreign matter is not picked up by the suction. Also, the large filtering area can retain a substantial amount of foreign matter before it needs service. For applications requiring greater capacity these units can be installed on a manifold. Contact Big Foot Manufacturing for recommendations on large capacity systems.

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SPECIFICATIONS AND INSTALLATION INSTRUCTIONS

The Big Foot Filter is designed to be used as an initial filter on the suction side of a pump using surface water sources. The Filter is a very effective means of keeping algae, seaweed and marine life out of the pumping system.

Please read the following specifications and installation instructions carefully before putting in service:

SPECIFICATIONS

40G FILTER

- Rated at 40 gallons per minute in clear water.
- Made of PVC and plastic.
- 6" outside screen and 2" inside screen with 2" suction connection.
- 6" screen has approximately 680 1/8" holes with total open area of 33.3 sq. inches.
- 2" screen has 1/8" slots with total open area of 20 sq. inches.
- 2" check valve – optional.
- Bulk-filter matting – optional.

80G FILTER

- Rated at 80 gallons per minute in clear water.
- Made of PVC, plastic and stainless steel.
- 12" outside screen and 6" inside screen with 2" suction connection.
- 12" screen has approximately 1600 1/4" holes with total open area of approximately 80 sq. inches.
- 6" screen has approximately 680 1/4" holes with total open area of 33.3 sq. inches.
- 2" check valve – optional.
- Bulk-filter matting – optional.

INSTALLATION INSTRUCTIONS

1. Attach your choice of discharge fittings to the 2" suction. Use care not to overtighten or cross thread in this connection.
2. Connect to your pump by whatever means best suits your installation.
3. Start pump and run to open discharge for at least fifteen minutes before connection to your watering system. This is important in order to be sure all foreign matter is out of the suction side of the pump.

RECOMMENDATIONS

1. Avoid putting excess stress on the 2" suction connection.
2. The Filter can be installed vertically or horizontally.
3. If pea gravel is used as the filtering media, be sure it is larger than 3/8" in diameter and irregularly shaped. Round pea gravel tends to fill the inlet holes and reduces capacity. Reassemble the top being careful not to overtighten the stainless-steel tie rods.
4. For best results, avoid setting unit directly on the bottom in muddy, weedy or sandy conditions. It is recommended to place on a cement block or similar object when installing. Big Foot Manufacturing can provide a filter stand for the 40G if requested.