



# Flo King Filter Plug & Core Notice

Filter Plugs must be installed at one end of the filter cartridge when using Flo King pumps. Without a Filter Plug, solution is drawn by vacuum through the hole in the center of the cartridge rather than through the filter fibers, and particles are not removed from solution (no filtration). Because of supply issues, the following changes are necessary:

- **Heavy Blue Polypropylene Filter Plugs Discontinued:** We have been using these for decades, but they are now unavailable to us. Alternative Filter Plugs are shown on this page and on the pages that follow. These red and blue lightweight filter plugs are made of low-density polyethylene (LDPE).
- **Poly-Spun Disposable Filter Cartridges:** Unlike reusable cartridges, Poly-Spun disposables are "coreless" (do not use an internal core). As shown on Page 2, use the Lightweight Red Filter Plugs (FPP12) for Poly-Spuns.
- **Different Cores for Reusable Filter Cartridges:** The cores we have been using for many years are not available consistently. These Original-Style Cores had an internal diameter of 1.075 inch, but the New-Style cores are slightly larger — about 1.150 inch. This means some Filter Plugs are too small for the new reusable cartridge cores. See alternative plugs on this page and on the pages that follow.

Heavy Blue Filter Plug Discontinued



## Internal Cores for Reusable Filter Cartridges

Original-Style Core, 1.075" ID

New-Style Core 1.150" ID



Note closer mesh pattern on New-Style Core compared with Original Core.

Use Lightweight Blue Filter Plug (order #CFP12)



Use Lightweight Red Filter Plug (order #FPP12)



## Reusable Filter Cartridges

Standard Magnum



Permacore Magnum



Cores are inside these cartridges



# Cartridges and Filter Plugs

for Flo King BX650, BX1200, BX3000, BX5000, BXL2500 & BXL5000

See Page 3 for Lab Series Cartridges

Any standard 2.5-inch-diameter (6.35-cm) filter cartridge or carbon cartridge can be installed directly into the Flo King pump.

To use a single cartridge, loosen the three **Filter Screws** on the pump. Then insert the cartridge and tighten the Filter Screws.

Two cartridges can be installed at the same time using the **Double Cartridge Holder**, or four with the **Quad Cartridge Holder**.



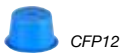
The correct **Filter Plug** must be installed at the bottom of the cartridge when using a Flo King pump. Without a Filter Plug, solution will travel through the cartridge cavity but not the filter media, thus bypassing filtration and exposing the pump impeller to damage from any foreign objects that might be in solution.

If the pump is used without a filter cartridge attached, a **Pump Strainer Adapter** must be installed to protect the impeller.

An alternative method for mounting cartridges is shown on the next page (**Nut-Style Filter Holder**).



**Carbon Cartridge** for the removal of organic impurities. Available in lengths of 4, 6, 10, 15, 20 and 30 inches (10, 15, 25, 38, 50 and 75 cm).



**Lightweight Blue Filter Plug** is only one that fits Carbon Cartridge. This plug can also be used with Original-Style reusable filter cartridge core, as shown on Page 1. Order #CFP12, pack of 12



**Poly-Spun Disposable Filter Cartridge.** Our most popular disposable, available in a wide range of micron ratings and in lengths from 4 to 40 inches (10 to 102 cm).



**Lightweight Red Floating Filter Plug**  
Order # FPP12, pack of 12



**Standard Magnum (or Super Magnum) Reusable Filter Cartridge.** No Permacore Head. Lengths of 4, 6, 10, 15 and 20" (10, 15, 25, 38 and 50 cm). New-Style Core inside cartridge is 1.150 inch internal diameter and uses Red Filter Plug. See Page 1 for details on New-Style & Original-Style Cores.

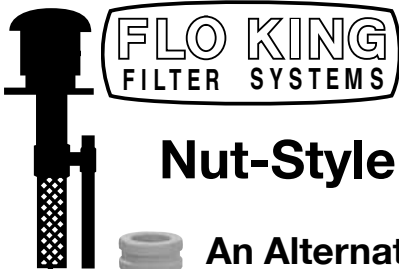


**Permacore Magnum (or Super Magnum) Reusable Filter Cartridge.** Our most popular reusable features polypro "Permacore" head that fits snugly into pump or cartridge holder. Lengths: 10, 15 and 20 inches (25, 38 and 50 cm). New-Style Core inside cartridge is 1.150 inch internal diameter and uses Red Filter Plug. See Page 1 for details on New-Style & Original-Style Cores.



**Lightweight Red Floating Filter Plug**  
Order # FPP12, pack of 12

**Heavy Blue Floating Filter Plug, FP6**  
Discontinued, Jan. 2023.  
See Page 1



# Nut-Style Filter Holder

**An Alternative Method of Mounting Cartridges to Flo King BX650, BX1200, BX3000, BX5000, BXL2500 and BXL5000**

See Page 3 for Lab Series Cartridges.

The Nut-Style Filter Holder allows you to change filter cartridges without loosening the **Filter Screws** on the Flo King pump.

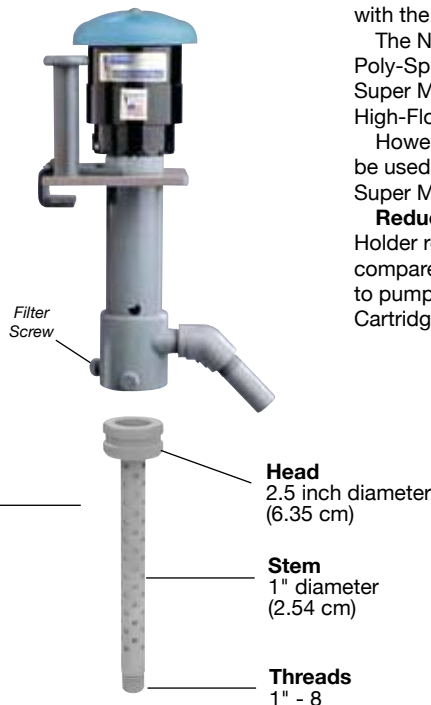
Just unscrew Threaded Nut from bottom of Stem, remove old cartridge, install new cartridge, tighten Nut and resume filtration.

Two cartridges can be installed at the same time using the **Double Cartridge Holder**, or four with the **Quad Cartridge Holder**.

The Nut-Style Filter Holder is compatible with Poly-Spun, standard Magnum (and standard Super Magnum) Reusable Filter Cartridges, and High-Flow Carbon Cartridges.

However, the Nut-Style Filter Holder cannot be used with **Permacore** Magnum or Permacore Super Magnum Reusable Filter Cartridges.

**Reduction of Flow Rate:** Nut-Style Filter Holder results in a flow-rate reduction of 10% compared with mounting bare cartridge directly to pump or using Permacore Reusable Filter Cartridge.



**Nut-Style Filter Holder**

Order #	Length
NFH10	10 inch (25 cm)
NFH15	15 inch (38 cm)
NFH20	20 inch (50 cm)



**Carbon Cartridge** for the removal of organic impurities. Available in lengths of 4, 6, 10, 15, 20 and 30 inches (10, 15, 25, 38, 50 and 75 cm).



**Poly-Spun Disposable Filter Cartridge.** Our most popular disposable, available in a wide range of micron ratings and in lengths from 4 to 40 inches (10 to 102 cm).



**Threaded Nut for Filter Holder**



**Standard Magnum (or Super Magnum) Reusable Filter Cartridge.** No Permacore Head. Lengths of 4, 6, 10, 15 and 20" (10, 15, 25, 38 and 50 cm).



# Cartridges and Filter Plugs

## for Flo King Lab Series Filter System



Filter Adapter



Filter Screw

Filter Adapter (Order #FA) is required to attach these 2.5"-diameter (6.35-cm) cartridges to pump.

For flexibility, two filter cartridge diameters can be used with the Lab Series. The 1-1/2"-diameter cartridges (3.8 cm) can be installed directly into the pump. The 2-1/2"-diameter cartridges (6.35 cm) require a **Filter Adapter** (Order #FA).

To install a cartridge, loosen the **Filter Screw** on the pump. Then insert the cartridge and tighten the Filter Screw.

The correct **Filter Plug** must be installed at the bottom of the cartridge when using any Flo King pump. Without a Filter Plug, solution will travel through the cartridge cavity but not the filter media, thus bypassing filtration and exposing the pump impeller to damage from any foreign objects that might be in solution.

If the pump is used without a filter cartridge attached, a **Strainer** (Order #PSAL, right) must be installed to protect the impeller.



PSAL

These 1.5-inch-diameter (3.8-cm) cartridges are inserted directly into pump.



**Standard Magnum Reusable Filter Cartridge (MCA4).** 10 micron, 4" long (10.2 cm) polypropylene reusable. Included with Lab Series Filter System. Cartridge also available in 6" (15.2-cm) length. Replacement filter blankets available in 10, 5 or 1 micron. New-Style Core inside cartridge is 1.150 inch internal diameter and uses Red Filter Plug. See Page 1 for details on New-Style & Original-Style Cores.

**Poly-Spun Disposable Filter Cartridge.** Our most popular disposable, available in a wide range of micron ratings. Used in lengths of 4 and 6 inches (10.2 and 15.2 cm) for the Lab Series.

**Poly-Wrap Disposable Filter Cartridge (Order #FKLAB10-4).** Polypropylene, 10 micron, 4" long (10.2 cm). Included with Lab Series Filter System.

**Mini Mag Reusable Filter Cartridge (Order #MMCA).** Polypropylene, 10 micron, 4" long (10.2 cm). Included with Lab Series Filter System. Replacement filter blankets available in 10, 5 and 1 micron.

**Carbon Cartridge** for the removal of organic impurities. Available in lengths of 4" (10.2 cm) and 6" (15.2 cm) for the Lab Series.



FPP12

**Lightweight Red Floating Filter Plug**  
Order # FPP12,  
pack of 12



MMP

**Green Neoprene Filter Plug.** Fits only Poly-Wrap and Mini Mag cartridges. (Order #MMP, pack of 3). One included with Lab Series Filter System.



CFP12

**Lightweight Blue Filter Plug** is only one that fits Carbon Cartridge. This plug can also be used with Original-Style reusable filter cartridge core, as shown on Page 1. Order #CFP12, pack of 12

**Heavy Blue Floating Filter Plug, FP6**

Discontinued, Jan. 2023.  
See Page 1



FP6