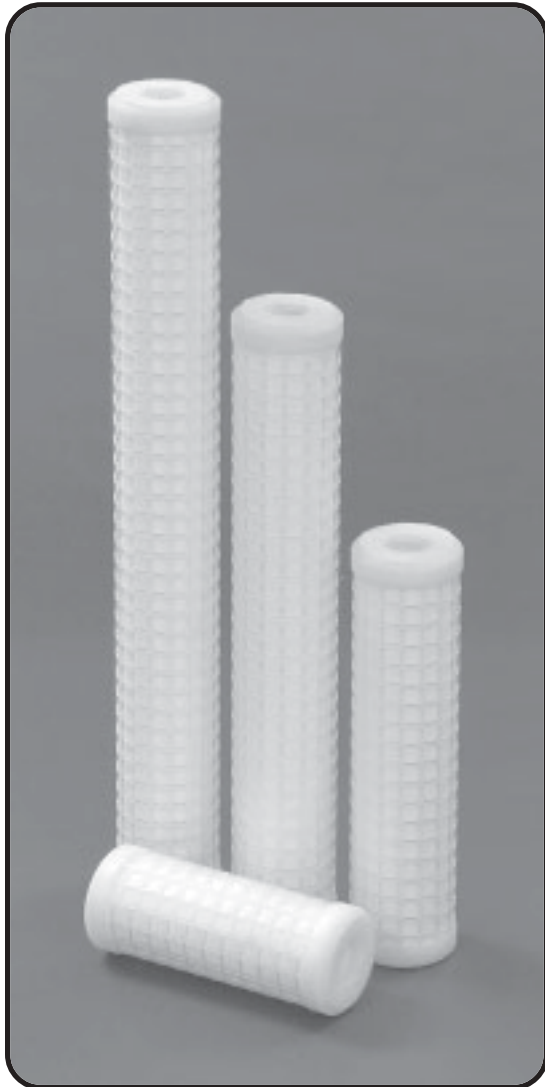




FLO KING HIGH-FLOW CARBON CARTRIDGES



HIGH FLOW RATE FOR FAST REMOVAL OF ORGANIC CONTAMINANTS!

- MADE BY AND AVAILABLE EXCLUSIVELY FROM FLO KING
- THE ONLY CARTRIDGE WITH PELLETIZED CARBON
- HIGHER ADSORPTION CAPACITY THAN STANDARD CARBON CARTRIDGES
- FOR IN-TANK AND OUT-OF-TANK SOLUTION PURIFICATION
- FOR PLATING, PRINTED CIRCUIT AND RELATED SOLUTIONS
- AVAILABLE IN STANDARD OR JUMBO SIZE

AND NO DETERIORATING MATERIALS OF CONSTRUCTION!

Flo King disposable carbon cartridges are made of 100% polypropylene and High Tech activated, acid-washed, pelletized carbon. The standard cartridges are 2-1/2" (6.35 cm) outside diameter with a 1"-diameter (2.5-cm) hole and can be mounted directly to **Flo King** pumps.*

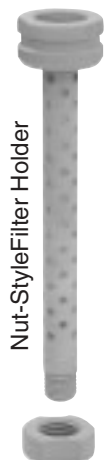
For large tanks, or those heavily contaminated with organic impurities, consider the 4"-diameter (10-cm) Jumbo Carbon Cartridge. Jumbo mounts to the **Flo King** pump using our Nut-Style Filter Holder.**

*Lab Series unit requires Filter Adapter.

**Nut-Style Filter Holder can also be used with standard 2-1/2"-diameter cartridges but is not required.



Jumbo



Nut-Style Filter Holder



FLO KING HIGH-FLOW CARBON CARTRIDGES

Manufactured by and Available Exclusively from FLO KING!

Many electroplating solutions require purification because of brightener breakdown, drag-in of organic contaminants, deterioration of maskants, buildup of small volumes of oil, and other sources. Organic contamination has an adverse effect on the plating process, resulting in pitting, peeling, blistering, high stress, and overconsumption of brighteners. Removal of these contaminants is achieved using carbon adsorption.

Flo King carbon cartridges are the natural choice for electroplating and associated metal-finishing solutions. They are made of 100% polypropylene and contain High Tech activated, acid-washed pelletized carbon—a clean, highly adsorbent material whose uniform size and shape allows more efficient loading than granular carbon.

High flow is another advantage. **Flo King** cartridges offer a flow rate several times that of conventional carbon-filled or carbon-impregnated cartridges. That means more tank turnovers per hour for fast, efficient removal of organic impurities.

These cartridges can be used for continuous carbon polishing or periodic carbon treatment. Continuous polishing prevents the buildup of high contaminant levels. Periodic in-tank treatment is an alternative to messy, expensive batch carbon treatment, and is typically achieved in four to 24 hours. Most platers use Hull Cell tests to determine the degree of purification achieved.

High-Flow carbon cartridges can be used on **Flo King** in-tank pumps or in filter chambers at temperatures to 200° F (93° C). The 2-1/2"-diameter (6.35-cm) cartridges are available in lengths of 4, 6, 10, 15, 20 and 30 inch (10, 15, 25, 38, 50, and 76 cm). The 4"-diameter (10-cm) Jumbo cartridges come in lengths of 10, 15 and 20". Each cartridge contains an inner filter blanket to help remove stray particulates from solution. Sizing guidelines are as follows:

Tank size, gallons (liters)	Suggested cartridge/length*		Carbon in cartridge
Up to 10 (38)	FKC4	4" (10 cm)	1.5 oz (42.5 grams)
10 to 50 (189)	FKC6	6" (15 cm)	2.75 oz (80 grams)
50 to 100 (189 to 378)	FKC10	10" (25 cm)	4.5 oz (128 grams)
100 to 150 (378 to 568)	FKC15	15" (38 cm)	6.5 oz (184 grams)
150 to 200 (568 to 757)	FKC20	20" (50 cm)	8.5 oz (240 grams)
Over 200 (757)	FKC30	30" (76 cm)	13 oz (368 grams)
	JFKC10**	10" (25 cm)	1 lb (0.45 kg)
	JFKC15**	15" (38 cm)	1.5 lb (0.68 kg)
	JFKC20**	20" (50 cm)	2 lb (0.9 kg)

* Where tank depth is shallow, two shorter cartridges can be substituted for one longer cartridge.
 ** Jumbo cartridges require Nut-Style Filter Holder (see PL26.21 in catalog).

Where required, two 2-1/2"-diameter carbon cartridges can be used on a single **Flo King** pump using the Double Cartridge Holder (DCH, see Bulletin 18), or two Jumbo cartridges can be used with the Extended DCH. Additional options include the **Flo King** In-Tank Carbon Bag (Bulletin 28.5) and Carbon/Resin Canister (Bulletin 28.4).

Before Carbon Treatment: Thorough filtration is essential prior to carbon treatment using cartridges or any other device. Failure to filter beforehand may result in rapid clogging of the carbon treatment device. For best results, follow the procedure described in Bulletin 28.