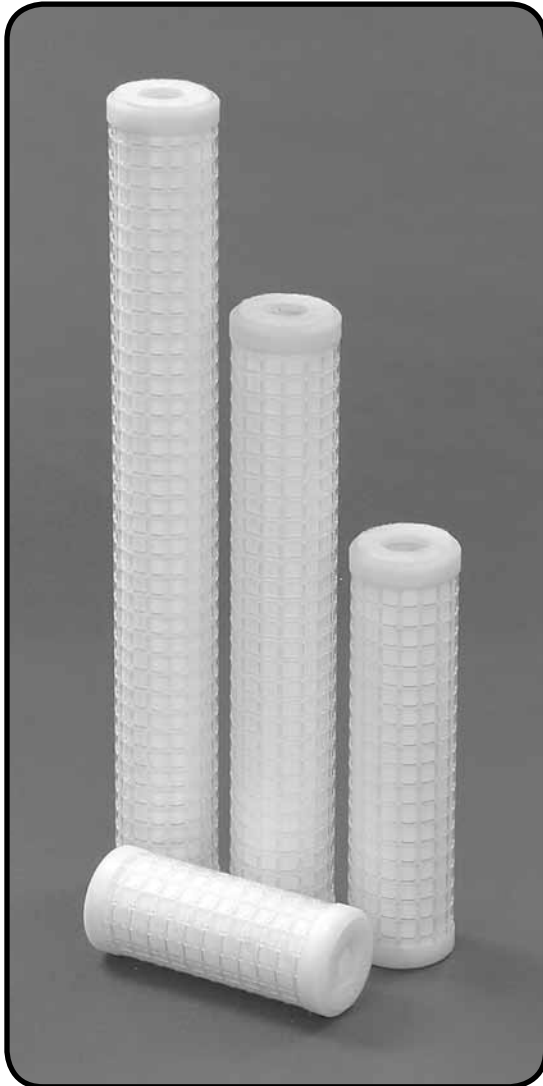




FLO KING HIGH-FLOW CARBON CARTRIDGES



**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**

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 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.*

**Lab Series unit requires Filter Adapter.*

Pioneers of In-Tank Filtration ★ www.floking.com

CUSTOM MASTERS, INC. • 401 LAKE BENNETT CT., LONGWOOD, FL 32750-6341 USA • 407-331-4634 FAX 407-331-0575



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. Platers typically carbon treat for four to 24 hours, using Hull Cell tests at intervals 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 cartridges are 2-1/2" diameter (6.35 cm) and available in lengths of 4, 6, 10, 15, 20 and 30 inch (10, 15, 25, 38, 50, and 76 cm). Each cartridge contains an inner filter blanket to help remove small 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)	FKC10	10" (25 cm)	4.5 oz (128 grams)
	FKC15	15" (38 cm)	6.5 oz (184 grams)
	FKC20	20" (50 cm)	8.5 oz (240 grams)
	FKC30	30" (76 cm)	13 oz (368 grams)

** Use more than one cartridge as necessary. Where tank depth is shallow, two shorter cartridges can be substituted for one longer cartridge.*

Where required, two carbon cartridges can be used on a single **Flo King** pump using the Double Cartridge Holder or four cartridges with a Quad Cartridge Holder (see Bulletin 18). 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.