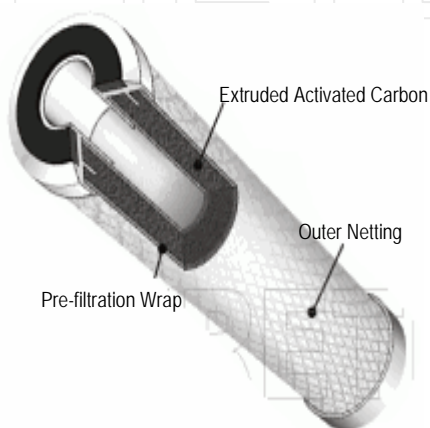


Activated Carbon Filter Cartridges



Activated carbon, a porous substance with strong physical adsorption forces, has the highest volume of adsorbing porosity of any material known to mankind. By carbonization and activation, activated carbon can be made from many substances containing high carbon content such as coal, wood, bamboo and coconut shells.

Activated carbon filters are widely applied in industrial process and civil use as the most efficient method of removing odours, chlorine, volatile organic compounds (VOC), colours, tastes and other contaminants from fluids.

Filtertek Activated Carbon Filter Cartridge — UKX Series

Filtertek UKX series, the new generation of carbon cartridges produced by extrusion process, provide long service life and superior adsorption performance compared to conventional granular activated carbon cartridges. With high mechanical strength and low ash content, the carbon block structure prevents channelling, bypassing, fluidizing or unloading of carbon fines. To prevent premature plugging of the activated carbon layer the UKX filters incorporate an effective pre-filtration layer designed to intercept gels and large particle.

UKX activated carbon cartridges can be supplied in any length and end cap configuration to meet the requirements of the process application.

Applications

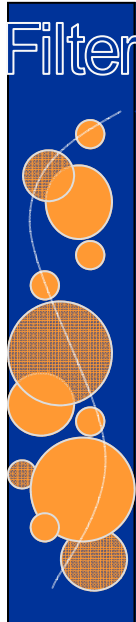
- PCB solutions
- Chlorine and VOC removal
- Plating and coating solutions
- Tastes, odours and organic pigments reduction
- Industrial water treatment
- Chlorinated compounds reduction
- Drinking water treatment
- Oils and aromatic compounds removal

Ordering information & specifications

Carbon cartridge specification	Length	Diameter
UKX-E: Extruded activated carbon cartridge.	10 = 97/8" (251mm)	UKX-E = 2.7/8" nominal
	20 = 20" (508 mm)	UKX-LD = 4.5/8" nominal
	30 = 30" (762 mm)	
	40 = 40" (1016 mm)	

Filtertek cartridges are individually wrapped to prevent contamination and ensure cartridge quality.

Filtertek Systems Limited
 PO Box 12 Abertillery
 NP13 3WY
 United Kingdom
 T: +44 (0) 845 644 3842
 F: +44 (0) 845 644 3843
 E: sales@filterteksystems.com



Cartridge Specifications and Performance Data

Code #	Maximum Dimensions	Micron Rating (Nominal)	Initial Δp (psi) @ flow rate lpm	Chlorine Reduction @ flow rate lpm
UKX-10E	27/8" x 97/8"	5	1.4psi @ 4 lpm	>23,000 liters @ 4 lpm
UKX-20E	27/8" x 20"	5	1.5psi @ 8 lpm	>46,000 liters @ 8 lpm
UKX-10-LD	45/8" x 97/8"	5	1.75psi @ 8 lpm	>85,000 liters @ 8 lpm
UKX-20-LD	45/8" x 20"	5	2.6psi @ 16 lpm	>155,000 liters @ 16 lpm



Warning: For drinking water applications, do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

Note: The UKX cartridge will contain a very small amount of carbon fines (very fine black powder) and a new cartridge after installation should be flushed with sufficient water to remove traces of the fines from your water system before using the water. It is recommended that you run (flush) for at least 20 seconds prior to using water.

***Note:** Estimated capacity tested at given flow rate using 2 ppm free available chlorine at continuous flow to with greater than 90% reduction

Note: Increased flow rates may result in less effective chlorine reduction.

Note: Micron ratings are based on 85% removal of given particle size.