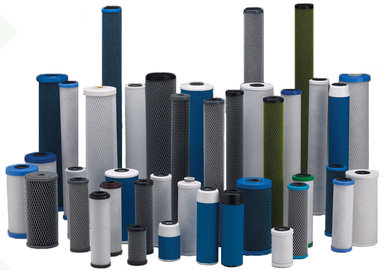
Pentair offers the industry's most extensive selection of quality carbon cartridges. Our comprehensive offering of carbon filtration solutions is based upon two distinct core technologies: traditional carbon block and our proprietary, wet-molded Fibredyne® carbon block:

- **Traditional carbon block for applications requiring chloramine or organic (VOCs and TTHMs) reduction.**
- **Fibredyne® technology when particulate reduction, resistance to plugging, reduction of large organic compounds and low pressure drop over the life of the cartridge matter most.**

Our carbon capabilities also include granular and pleated technologies designed to reduce bacteria, cysts, and chlorine taste and odor.



MANUFACTURING SITES

Our Pentek carbon cartridges are made in 3 different locations each one having its own specialty.

Headquarters of the Filtration & Process RCI Global Business Unit, Glendale is the center for technology development. Industry leader in filtration and softening, Glendale focuses today on carbon extrusion, whilst reverse osmosis and deionization systems are also manufactured in this place.

Center of Excellence for Pentair's industrial filtration lines, Dover is the place where the famous Fibredyne® technology was born. Dover makes fiber-wound carbon and melt blown filters.

Pentair's premier asian facility, certified ISO 9001:2008, located in Suzhou has over 14'000 m^2 of manufacturing space. Multiple products such as carbon extrusion, GAC, melt blown cartridges, ultrafiltration modules, residential reverse osmosis membranes, filtration housings and systems are manufactured in Suzhou.

Pentair of Glendale, US

Pentair of Dover, US

Pentair of Suzhou, China

Contact us:

By mail

Commercial support
commercial.prfemea@pentair.com

Technical support
techsupport.water@pentair.com

Marketing support
marketing.prfemea@pentair.com

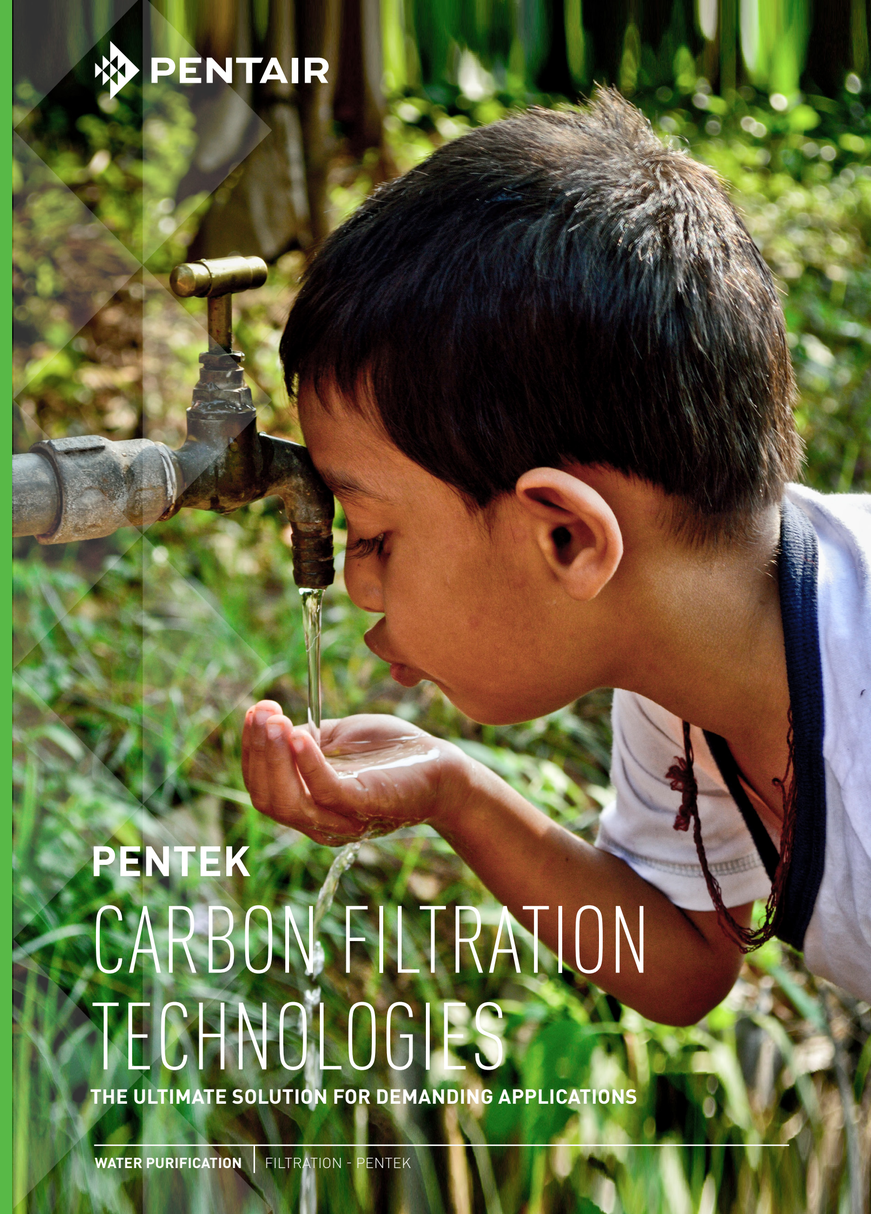
By phone

Tel. +41 21 623 69 69

NSF The exact list of NSF approved references is available on demand

MKT-BRO-022-EN-C

PENTAIR



PENTEK
CARBON FILTRATION TECHNOLOGIES

THE ULTIMATE SOLUTION FOR DEMANDING APPLICATIONS

MAPPING OF THE PENTEK CARBON CARTRIDGES RANGE

Family: Carbon blocks

Description: Our extruded activated carbon blocks are the primary filters used in point of use/point of entry water treatment devices for the control of chlorine, taste and odor. They consist of virgin carbon powder, a thermoplastic binder and specialty adsorbents.

Model	DFX-CB-10	DFX-CB-20	DFX-CB-BB	EPM-10	EPM-20	EPM-BB	EPM-20BB	EP-10	EP-20	EP-10BB	EP-20BB	R-Plus 10	R-Plus 20	R-Plus 10 BB	R-Plus 20BB	Chlor-Plus 10	Chlor-Plus 20	Chlor-Plus 10BB	Chlor-Plus 20BB	CBC-5	CBC-10	CBC-20	CBC-10BB	CBC-20BB	CBR2
Technical characteristics: μ Rating (nominal)	10			10				5				5				1				0.5					0.5
Technical characteristics: Dirt loading capacity	++++			+++				++++				++++				++				++++					++++
Technical characteristics: Chlorine retention capacity (L x 1000)	4 to 11	19 to 38	38 to 76	4 to 11	19 to 38	38 to 76	76 to 114	19 to 38	38 to 76	76 to 114	114 to 152	19 to 38	38 to 76	114 to 152	152 to 190	152 to 190	304 to 380	760 to 1140	1140 to 1900	4 to 11	19 to 38	38 to 76	152 to 190	380 to 570	152 to 190
Technical characteristics: Chlorine - taste & odor reduction	++			+				++				+++				+++				+++					+
Applications: VOC reduction	+			+				+				++				+				+					+
Applications: Chloramine reduction	+			+				+				+				+++++				+					+
Applications: Cyst & bacteria reduction	No			No				No				No				No				Yes					Yes
Applications: Pesticides	+			+				+				++				+++++				+					+
Applications: Hot water application (up to 82°C)	No			Yes				Yes				Yes	Yes	No	No	No	No	No	No	Yes					Yes
Benefits	Good chlorine reduction with high dirt loading capacity			Economically priced cartridge for good chlorine reduction				Very good chlorine reduction with high dirt loading capacity				Excellent chlorine reduction with high dirt loading capacity (for dialisys & sterilisation applications)				Excellent chlorine & chloramine as well as pesticide reduction (for dialisys and sterilisation applications)				Reduce cysts & bacteria					Used for lead reduction

Family: Fibredyne®

Description: The unique Fibredyne® technology consists of cellulose-free synthetic fibers impregnated with powdered activated carbon. Cartridges are then wet molded.
The result combines the benefits of carbon and sediment filters to deliver up to two times chlorine taste and odor reduction as well as dirt-holding capacity of standard carbon blocks and sediment cartridges.

Model	CFB 10	CFB 20	CFB 30	CFB-Plus 10	CFB-Plus 20	CFB-Plus 30	CFB-Plus 10BB	CFB-Plus 20BB	CFBC 10	CFBC 20	FloPlus-10	FloPlus-20	FloPlus-10BB	FloPlus-20BB
Technical characteristics: μ Rating (nominal)	10			Gd 5-10					0.5		0.5			
Technical characteristics: Dirt loading capacity	++++++			++++++					++++++		++++++			
Technical characteristics: Chlorine retention capacity (L x 1000)	11 to 19	19 to 38	38 to 76	19 to 38	38 to 76	76 to 114	76 to 114	152 to 190	38 to 76	114 to 52	19 to 38	38 to 76	38 to 76	152 to 190
Technical characteristics: Chlorine - taste & odor reduction	++			+++					++		++++			
Applications: VOC reduction	+			+					+		+			
Applications: Chloramine reduction	+			+					+		+			
Applications: Cyst & bacteria reduction	No			No					No		Yes			
Applications: Pesticides	+			+					+		+			
Applications: Hot water application (up to 82°C)	Yes			Yes					Yes		Yes			
Benefits	Unique dirt holding capacity due to the Fibredyne® technology - No fine release!			Unique dirt holding capacity due to the Fibredyne® technology - No fine release! Enhanced version of CFB series with higher chlorine & sediment reduction					Unique dirt holding capacity due to the Fibredyne technology - No fine release!		Unique dirt holding capacity due to the Fibredyne technology - No fine release! Reduce cysts & bacteria			

Family: Granular activated carbon cartridges

Description: GAC filters are designed to allow water to enter the bottom of the cartridge, then being filtered through the entire carbon bed before exiting at the top to maximize the contact time.
These upflow cartridges are designed to remove chlorine from feed water. The nominal 20 micron rating will help to reduce carbon fines and other suspended particles as well.

Model	GAC-5	GAC-10	GAC-20	GAC-10BB	GAC-20BB	CC-10	TSGAC
Technical characteristics: μ Rating (nominal)	20					20	20
Technical characteristics: Dirt loading capacity	++					+	+
Technical characteristics: Chlorine retention capacity (L x 1000)	Up to 4	11 to 19	19 to 38	38 to 76	76 to 114	19 to 38	4 to 11
Technical characteristics: Chlorine - taste & odor reduction	+					+	+
Applications: VOC reduction	+					+++++	+
Applications: Chloramine reduction	+					+	+
Applications: Cyst & bacteria reduction	No					No	No
Applications: Pesticides	+					+	+
Applications: Hot water application (up to 82°C)	No					No	No
Benefits	Good chlorine reduction, optimal absorption					Coconut shell based activated carbon: best VOC reduction	Used for scale prevention

Family: Impregnated carbon cartridges

Description: Constructed of a carbon-impregnated cellulose or polYester media, these dual-purpose cartridges filter out fine sediment particles and reduce unwanted taste, odor and chlorine taste & odor from tap water. Pleats (NCP series) provide additional surface area for high dirt-loading capacity, while maintaining minimal pressure drop.

Model	C1	C1-20	C2	C8	NCP-10	NCP-BB	NCP-20	NCP-20BB
Technical characteristics: μ Rating (nominal)	5	5	5	1	10			
Technical characteristics: Dirt loading capacity	++++				+++++			
Technical characteristics: Chlorine retention capacity (L x 1000)	4 to 11	11 to 19	4 to 11	11 to 19	Up to 4			
Technical characteristics: Chlorine - taste & odor reduction	+				+			
Applications: VOC reduction	+				+			
Applications: Chloramine reduction	+				+			
Applications: Cyst & bacteria reduction	No				No			
Applications: Pesticides	+				+			
Applications: Hot water application (up to 82°C)	No	No	No	Yes	No			
Benefits	Economical solution for all general purpose water filtration needs. Has to be used on chlorinated water due to its cellulose media				Polyester media allows cartridges to be resistant to bacterial attack and to be used on non chlorinated water applications			

WATER PURIFICATION | FILTRATION - PENTEK
WATER PURIFICATION | FILTRATION - PENTEK