

PENTEK
CARBON FILTRATION
TECHNOLOGIES

THE ULTIMATE SOLUTION FOR DEMANDING APPLICATIONS

WATER PURIFICATION | FILTRATION - PENTEK



PT Watermart Perkasa
Email: sales@water.co.id Phone: +62-21-316-1671
Whatsapp (text only): +62815-8609-3500
Website: www.water.co.id

THE COMPLETE RANGE OF PENTEK CARTRIDGES

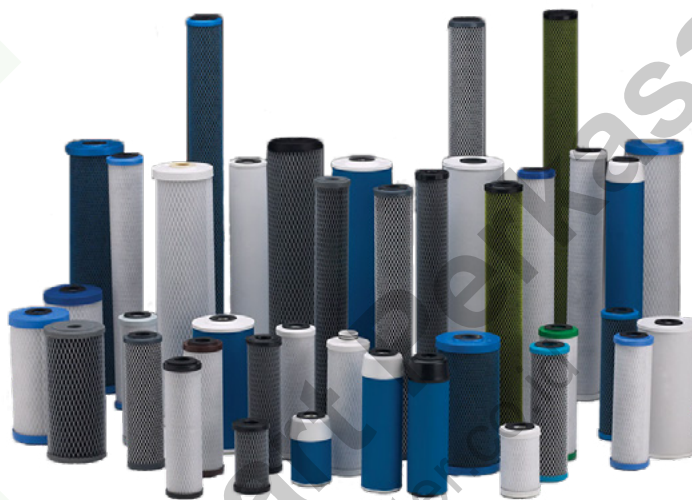
Family	Carbon blocks																		Fibre-dyne				Granular activated carbon cartridges							Impregnated carbon cartridges																
Description	 <p>Our extruded activated carbon blocks are the primary filters used in point of use/point of entry water treatment devices for the control of chlorine, taste and odor. They consist of virgin carbon powder, a thermoplastic binder and specialty adsorbents</p>																		 <p>The unique Fibre-dyne 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</p>				 <p>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</p>							 <p>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</p>																
	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	Chlor-Plus 10	Chlor-Plus 20	Chlor-Plus 20BB	CBC-5	CBC-10	CBC-20	CBC-10BB	CBC-20BB	CBR2	FloPlus-10	FloPlus-20	FloPlus-10BB	FloPlus-20BB	GAC-5	GAC-10	GAC-20	GAC-10BB	GAC-20BB	CC-10	TSGAC	C1	C1-20	C2	NCP-10	NCP-20	NCP-BB	NCP-20BB							
Technical characteristics	10			10				5					1			0.5						0.5				20							20		20		5			5		5		10		
	++++			+++				++++					++			++++						+++++				++							+		+		++++			+++++						
Applications	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	152 to 190	304 to 380	1140 to 1900	4 to 11	19 to 38	38 to 76	152 to 190	380 to 570	152 to 190	19 to 38	38 to 76	38 to 76	152 to 190	Up to 4	11 to 19	19 to 38	38 to 76	76 to 114	19 to 38	4 to 11	4 to 11	11 to 19	4 to 11	Up to 4										
	Chlorine - taste & odor reduction	++			+				++					+++			+++						+				+							+		+		+			+					
Benefits	VOC reduction	+			+				+					+			+						+				+							++++		+		+			+					
	Chloramine reduction	+			+				+					++++			+						+				+							+		+		+			+					
	Cyst & bacteria reduction	No			No				No					No			Yes						Yes				Yes							No		No		No			No					
Pesticides	+			+				+					++++			+						+				+							+		+		+			+						
Hot water application (up to 82°C)	No			Yes				Yes					No			No						Yes				Yes							No		No		No			No						
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 & chloramine as well as pesticide reduction (for dialysis and sterilisation applications)			Reduce cysts & bacteria						Used for lead reduction				Unique dirt holding capacity due to the Fibre-dyne technology - No fine release! Reduce cysts & bacteria							Good chlorine reduction, optimal absorption		Coconut shell based activated carbon: best VOC reduction		Used for scale prevention		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				



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 m² 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



Watermart Perkasa

www.water.co.id

www.pentairaquaeurope.com



The exact list of NSF approved references is available on demand



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