



Nature's gift to water treatment, carbonised coconut shell is the perfect natural filtration media.

## Bacteriostatic Chemical Removal Vessel (CRV)

### What is my CRV?

It is a vessel filled with the highest quality food grade silver impregnated granular activated coconut carbon, that removes most of the harmful organic and inorganic compounds. These include most pesticides, industrial solvents (*halogenated hydrocarbons*), polychlorinated biphenyls (*PCBs*), and polycyclic aromatic hydrocarbons (*PAHs*).

Also removed are chlorine and chloramines together with the Volatile Organic Compounds (*VOC's*) e.g. benzene, trichloroethylene, trihalomethanes (*THMs*) and methyl tertiary-butyl ether etc.



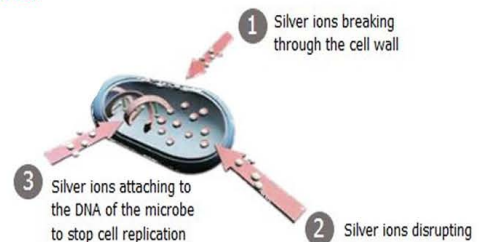
### Why is it important to keep it maintained?

The silver impregnated media in your CRV is proven to protect your water supply from bacteria such as *E.coli*. Over time the pore structure of the media becomes clogged up with the contaminants it has removed from your incoming water and needs to be refreshed to ensure its ongoing efficiency.

Not only is your CRV an important stage of the water purification process, but it also protects some of the fragile media in later stages that can have its effective duration shortened by the chemicals present in your incoming water.

### Does silver kill bacteria?

Silver ions delivered by nanoparticles to bacteria promote lysis, the process by which cells break down and ultimately die, which makes silver nanoparticles a superior and widely used antibacterial agent. New research by a leading university found that silver ions, not the particles themselves, are toxic to bacteria.



## Some of the Organic Contaminants removed by your CRV

### Organic Contaminants

VOCs	1,1-Dichloro-2-Propanone
Alachlor	1,1,1-Trichloro-2-Propanone
Atrazine	Heptachlor
Benzene	Heptachlor Epoxide
Carbofuran	Hexachlorobutadiene
Carbon Tetrachloride	Hexachlorocyclopentadiene
Chlorobenzene	Lindane
Chloropicrin	Methoxychlor
2,4-D	Pentachlorophenol
DBCP	Simazine
o-Dichlorobenzene	Styrene
p-Dichlorobenzene	1,1,2,2-Tetrachloroethane
1,2-Dichloroethane	Tetrachloroethylene
1,1-Dichloroethylene	Toluene
cis-1,2-Dichloroethylene	2,4,5-TP (Silvex)
trans-1,2-Dichloroethylene	Tribromoacetic Acid
1,2-Dichloropropane	1,2,4-Trichlorobenzene
cis-1,3-Dichloropropylene	1,1,1-Trichloroethane
Dinoseb	1,1,2-Trichloroethane
Endrin	Trichloroethylene
Ethylbenzene	Trihalomethanes (THMs)
EDB	Bromodichloromethane
Haloacetonitriles (HAN)	Bromoform
Bromochloroacetonitrile	Chloroform
Dibromoacetonitrile	Chlorodibromomethane
Dichloroacetonitrile	Xylenes
Trichloroacetonitrile	
Haloketones (HK)	

