



Lead Removal Carbon Block Cartridge Data Sheet

For the reduction of Chlorine, Taste, Lead and other Organic Chemicals

The chemical reduction capacity of a carbon block cartridge is often 4 times and can be up to 20 times that of a granular activated carbon cartridge of similar dimensions. The following is a comparative performance test on chlorine reduction between this cartridge and granular activated carbon (GAC).

Chlorine Reduction Efficiency

Litres	Chlorine, Lead & specialist	Taste, Odour	Typical GAC
Initial	99>		99>
4000	99>		97
8000	99>		91
12000	99>		83
18000	99>		71
20000	99>		71

The above test was conducted with a feed water containing 2 ppm of free available chlorine and at a flow rate of 4 litres/min on a standard 2.5" diameter x 10" cartridge.

Three different grades give nominal filtration sizes of 1,5 and 10 micron. The options provide for optimum selection dependent upon the pressure drop required and the contaminants (suspended solids and chemical) in the feed water.

The cartridges are sealed each end with polypropylene end caps. The cartridge sizes are designed to suit standard cartridge housings for 2.5 and 4.5 inch diameter and 5, 10 and 20 inch length.

Maximum operating conditions:

Temperature- 52 °C
Pressure- 18kgf/cm² (250psid)
Pressure differential- 7kgf/cm² (100psid)

Do I need to remove lead?

Yes, Lead is proven to be a toxic carcinogens and can cause diarrhoea, nausea and vomiting in small doses with more severe side effects in larger doses.

