



GC Filtral-AS

activated alumina for arsenic removal

GC Filtral-AS is a granular, activated alumina specially designed with a proprietary additive for the removal of arsenic from water. The GC Filtral-AS media is typically able to remove two to three times more arsenic than standard activated alumina.

Arsenic commonly occurs in two forms, As (V) (arsenate) and As(III) (arsenite). Maximum arsenic capacity is achieved when dealing with As(V). GC Filtral-AS's capacity for As(III) adsorption is about 40% its capacity for As(V). Oxidation is recommended to assist with As(III) removal, when possible. Simple chlorination will oxidize As(III) to As(V) allowing complete removal.

GC Filtral-AS can be effective at a wide range of pH levels depending on the competing ions present. Where high levels of silica are present, along with a pH level higher than 7.0, an adjustment may be necessary for optimum results.

GC Filtral-AS is available for sale in bulk or installed in any of our liquid-phase treatment units. These filters come complete with internal plumbing and are ready for installation.

<u>Chemical Analysis</u>	<u>Weight %</u>
Al ₂ O ₃ & Fe Promoter	90
TiO ₂ :	0.002
SiO ₂ :	0.02
Loss on Ignition (300-1000°C):	10

<u>Physical Properties</u>	
Bulk Density, g/cc:	1.06
lbs./ft ³ :	66
Specific Surface Area, m ² /g:	280
Physical Size (US Mesh):	14 x 28
	28 x 48

Caution!

Confined space/low oxygen procedures should be put in place before any tank entry is made. Such procedures should comply with all applicable Local, State and Federal guidelines.