

FILTRATION

SAND/GRAVEL

Sediment filters are needed when the water supply is cloudy or turbid. The easiest way to remove the particles is by passing the water through a media where the particles get stuck and allowing clear water to flow through. The particles can be periodically 'backwashed' away to drain. Filter AG and Turbidex filter down to a smaller particle size than sand which can lead to savings over traditional filter materials. Typically sand filters to 40um, Filter AG 20um and Turbidex 5um

Bed Depth	18 - 30 Inch
Service Flow	12 m/hr
Backwash Rate	24 m/hr
Density	1.6 kg / liter
Freeboard	30 %



REFERENCE	ITEM NAME	PACKAGING	PRICE PER
0902015207	Filter AG	1 cuft (28L)	
0901016142	Filtration sand 0.4 - 0.8 mm	25 kg	
0901016148	Filtration sand 0.8 - 1.25 mm	25 kg	
0901048893	Fine Garnet Garnet Sand 0.355mm - 0.600	25 kg	
0901020006	Garnet Sand Garnet Sand 1.4mm - 2.36	25 kg	
0901011420	Gravel 2.0 - 3.15 mm	25 kg	
0901016153	Gravel 3.15 - 5.6 mm	25 kg	
0901016155	Gravel 5.0 - 8.0 mm	25 kg	
0901020003	Gravel 10 Support Gravel 10mm	25 kg (16 Ltrs)	
0901020005	Gravel 20 Support Gravel 20mm	25 kg (16 Ltrs)	

ANTHRACITE

Hydro-anthracite is a selective, hard and a naturally occurring coal. This product is used in closed systems of Filtration, counter-current rinse for the treatment of drinking water, process, pool or waste water. It forms a top layer to improve the fineness of the filter.

REFERENCE	ITEM NAME	PACKAGING	PRICE PER
0903020001	Hydro-anthracite N (0.6 - 1.6 mm)	Bags of 25 kg	

* 1 cuft = 28L

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TURBIDEX

The turbidex is a medium for hyperfiltration. Its increased ability to remove sediments will provide water with greater clearness and allow savings of chemicals, filter cartridges, membrane cleaning, membrane life, etc.

Bed Depth	18 - 30 Inch
Service Flow	28 m/hr
Backwash Rate	36 m/hr
Density	1.2 kg / liter
Freeboard	50 %



REFERENCE	ITEM NAME	PACKAGING	PRICE PER
0902010001	Turbidex	1 cuft	

* 1 cuft = 28L

ACTIVATED CARBON

Granular Activated Carbon filters are an excellent choice for removal of chlorine, taste and odour, or organics in water. There are many different variations but most are either coconut, coal or wood based. Natural charcoal can reduce colour and heavy metals such as lead but flow rates need to be very slow.

Service Flow	12 m/hr
Backwash Rate	20 m/hr
Density	0.5 kg / liter (Coconut) 0.7 kg / liter (Natural)
Freeboard	20 - 30 %



REFERENCE	ITEM NAME	PACKAGING	PRICE PER
0905070005	GAC 207EA Coal-based GAC	25 kg (50 liter)	
0905079516	GAC 207C Coconut Shell GAC	25 kg (50 liter)	
0905071007	GAC 607C Coconut Shell GAC Acid Washed	25 kg (50 liter)	