

Multi-Media Sand Filters

PROBLEM:

Where it is necessary to treat all incoming water (point of entry - POE) in large volume for the removal of grit, sediment, turbidity and organic matter but also where there is a problem with oxidized iron ('rust') and other precipitated contaminants such as manganese or scale particles.

SOLUTION:

Multi-Media sand filters normally consist of three media layers (i.e. Support base gravel, micro screened sand and anthracite) and are a very economical means of primary filtration to remove the bulk of suspended solids. (They are particularly efficient on surface waters). Multi-Media filters are periodically backwashed (either automatically or manually) by simply reversing the flow and this flushes to waste the accumulated sediment and also re-grades the filter media layers.



OPERATION AND MAINTENANCE:

Is extremely simple. After initial set-up, the system is virtually self sustaining. With the automatic head, back-flushing and clearing of trapped contaminants occur automatically, with the manual head this is done by hand with lever. Replace media approximately every three years.

SPECIFICATIONS

MODEL	TANK SIZE INCHES (D X H)	TYPICAL FLOW RATE (LITRES/MIN)	INLET/ OUTLET (INCHES)	TOTAL MEDIA (KGS)
Small	7" x 35"	15	1"	18
Medium	9" x 35"	25	1"	22
Large	10" x 54"	50	1"	48
Jumbo	12" x 52"	70	1"	70

Minimum/Maximum Operating Pressure	140kPa (20psi) / 700 kPa (100 psi)
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