Multimedia Sand Filters

...for effective removal of sediment in your water supply system for house & farm

Sediment (or grit and turbidity) in your water supply may cause problems when it settles out in tanks, or plugs pipes and fittings. Household and plumbing fixtures can be stained, while washing machines, dishwashers or hot water cylinders may be permanently damaged.

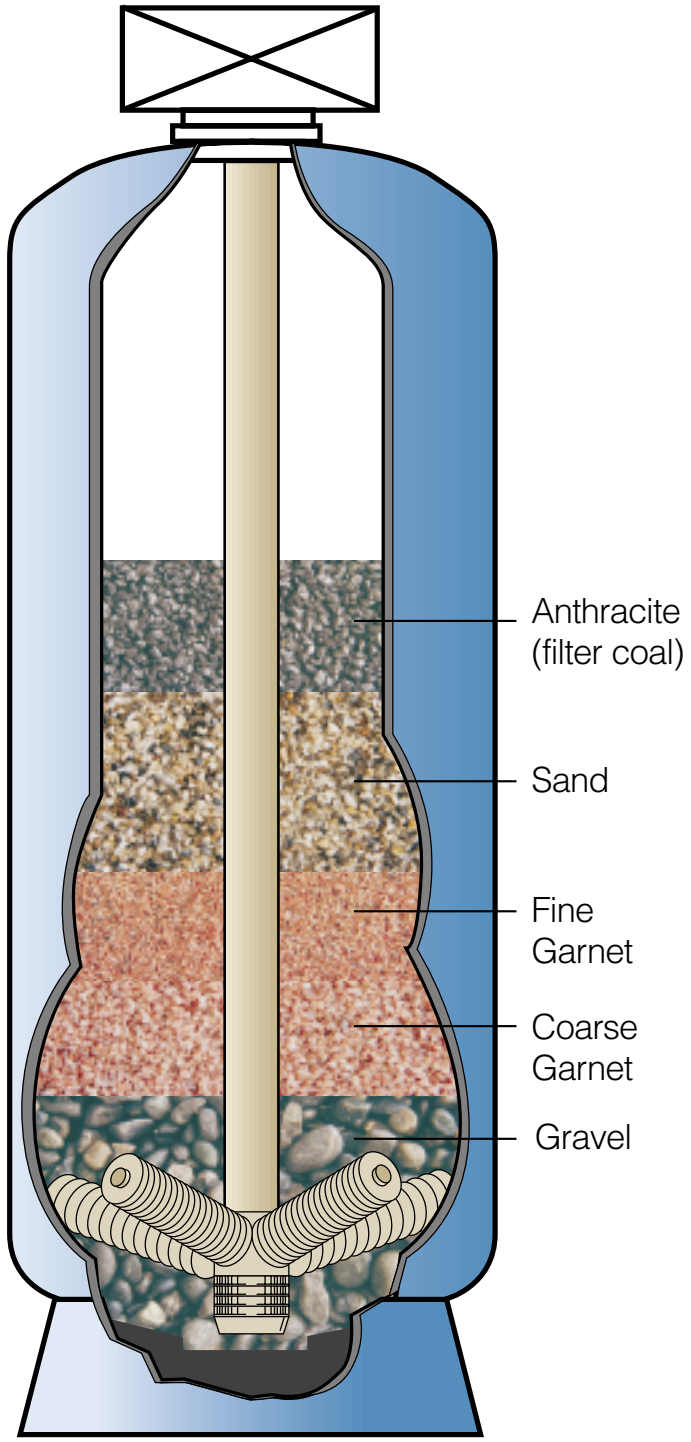
An AquaFlo Multimedia Sand Filter is the best solution for removing visible solids (and thus turbidity), so you have clear water which won't damage household appliances.

The filter consists of progressively finer layers of anthracite, sand, garnet and a gravel support layer. As the supply water travels through the filter bed, the suspended solids are removed (from 10 - 15 micron in size). The filter bed is maintained in optimum condition by regular backwashing (either automatically (recommended), or manually), which simply reverses the flow through the filter flushing out accumulated dirt and reconditioning the filter material. The media lasts for many years so maintenance and running costs are very low.

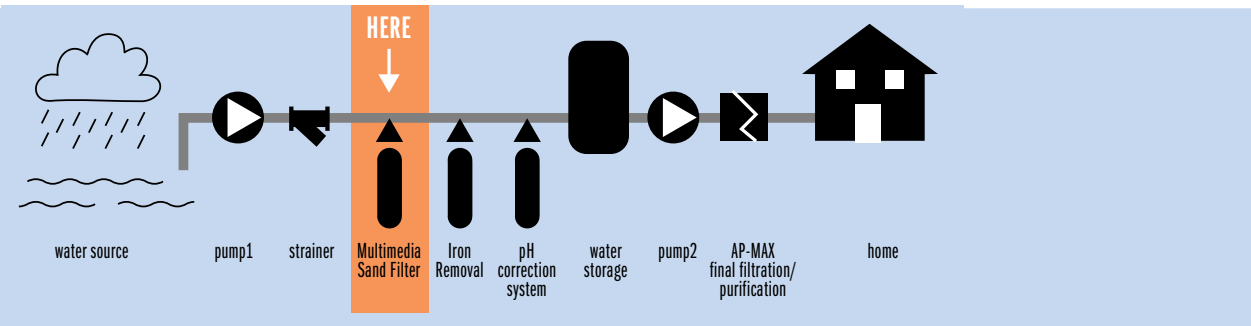
"AquaFlo Multimedia Sand Filters are recommended for surface water supplied containing unacceptable levels of suspended solids and discoloration."

- *High flowrate GRP reinforced polyethylene pressure vessels*
- *Automatic or manual backwash*
- *Filtration down to 10 - 15 micron*
- *Flows up to 23 m^3/hour per unit* with 8 models*

** Multi-unit options available for larger flow requirements*



Where you are in the AquaFlo water supply sequence...



AquaFlo

GENERAL SPECIFICATIONS

Pressure Vessels
Wound resin bonded fibreglass filament for strength and chemical inertness.
Working Pressure 200 - 700 kPa.
Operating Temperature 5 - 40°C maximum

Valves*

- Autotrol Series Performa 263 &273 Noryl Control valve for small to mid size plant
- Autotrol Series Magnum (Mag) multiport Noryl valve for larger capacity plants.
- Manual head is available for all models. Replace "A" in model number with "M".

Controllers

Electrically operated 6 or 7 day time clock driving control valve as standard.
Optional volume based control available.

Instructions

Installation and Operating Instructions are included with all softeners.

Media

High quality graded sands, garnets, gravels, carbon and other media as appropriate for the application.

** Filtec reserves the right to offer an alternative valve(s) depending on customer requirements.*

Pipe Work

Standing pipe work, where fitted, connecting filter vessel to valving is rigid PVC. Galvanised pipe is available as an option.

Installation

Any regulatory requirements pertaining to plumbing and drainage connections are the responsibility of the client. Plant should be installed under cover protected from direct sunlight and rain.

Client to Provide

- Single phase 230 volt power.
- Drain for regeneration.
- All connecting pipe work and valving from control unit.
- Minimum 200 kPa (30 psi) operating pressure (Note Manual 20 kPa.)

Cautions:

- *A Pressure Reductio Valve should be installed in areas of high water pressure (over 300 kPa)*
- *If abrasive grit or large particles are present in the water supply, an inlet strainer is recommended to prevent damage to the backwash valve*

SYSTEM SPECIFICATIONS

	Model	Flow Rate (m^3/hr)		Inlet/ Outlet (mm)	Valve	Tank Diameter (mm)	Tank Height (mm)	Tank Volume (Litre)
		Max	B/Wash					
Household/Farm	MM250A	1.85	1.85	25	Performa 263/440	250	1525	62
	MM300A	2.65	2.65	25	Performa 263/440	300	1470	84
	MM350A	3.50	3.50	25	Performa 263/440	350	1800	150
Medium	MM400A	4.70	4.70	25	Performa 180/440	400	1800	185
	MM500A	8.10	8.10	50	Magnum	540	1830	322
Commercial/ Industrial	MM600A	10.7	10.7	50	Magnum	620	2080	450
	MM750A	16.7	16.7	50	Magnum	760	2080	700
	MM900A	23.0	23.0	50	Magnum	914	2080	980

A minimum 200 kPa (30 psi) operating pressure is required. *Larger units are available.*

For more information contact...

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