



**WATER PIONEERS**

# **FILTERS & SOFTNERS SERIES**



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## WATER PIONEERS

# SAND AND MULTI-MEDIA FILTERS

Water Pioneers sand & multi-media filters are specifically designed for removal of suspended solids & turbidity in waters and to achieve maximum filtration efficiency at reasonable pressure drops. Vessels are constructed of premium fiber glass, food-grade and non-metallic material that are corrosion resistant.

The composite vessels are designed and manufactured to the European Pressure Equipment Directive (PED) and comply with NSF/ANSI44 as well. Vessels are high strength and light weight construction with operating pressure up to 10 bars.

Available from 6" to 63" diameters.



WPMF series sand & multimedia filters are equipped with an automatic control system that have an advanced microprocessor which allows wide array of programmable set points for efficient process controls and stores system configuration & operation data in non-volatile memory. The media used in the WMF series are carefully selected and technically graded, multi-layers of fine mesh sand coupled with course grain support bed and gravels.

- High performance FRP tank.
- Top mount/Side mount automatic backwash valve.
- Time controller for scheduled backwash.
- High quality media.
- Operating pressure : 1.4 – 8.6 bar (20 – 125 psi).
- Operating temperature : 4°C – 43°C (40° – 110° F)

### SPECIFICATIONS TABLE

## Water Pioneers Sand & Multi-media filters

WPMF Model	Service Flow Rate (GPM)		Backwash Flow Rate	Tank Size (in) DXH	Media quantity (Ft3)	Pipe Size (in)	Floor Space WXL (in)
	Cont.	Max.					
WPMF - 10	5	11	8	10 x 54	1.5	1	12 x 22
WPMF - 13	9	18	14	13 x 54	2.5	1	15 x 25
WPMF - 16	7	21	15	16 x 65	4	1	18 x 28
WPMF - 18	15	35	25	18 x 65	5.5	1 or 1.25	20 x 30
WPMF - 21	13	39	28	21 x 60	6.5	1 or 1.25	23 x 33
WPMF - 24	16	48	34	24 x 69	9.5	1.25 or 1.5	26 x 36
WPMF - 30	25	75	55	30 x 72	15	1.5 or 2	32 x 46
WPMF - 36	36	108	80	36 x 72	22	2	38 x 52
WPMF - 42	48	147	107	42 x 78	29	2 or 3	44 x 58
WPMF - 48	63	189	140	48 x 82	36	2 or 3	50 x 72
WPMF - 63	111	333	245	63 x 103	86	3	65 x 89

## WATER PIONEERS

# ACTIVATED CARBON FILTERS



Water Pioneers activated carbon filters removes bad tastes, odors and color from raw waters most specifically organic contaminants & dechlorination.

Pressure vessels are made of durable fiber glass embedded in epoxy resin and seamless polyethylene inner shell. Vessels can be top opening standard, top and bottom openings and flanged openings to be chose as custom application.

WCF Series Activated Carbon Filters are also equipped with same automatic control system which controls backwashing process. Service flowrates up to 250 GPM can be achieved.

The granular activated carbon media used in WPCF series are specifically manufactured for the treatment of water for human consumption, in both municipal and industrial applications. They are made from fine grade bituminous coal that is characterized by its high surface area, low ash & high carbon content nature. The manufacturing process develops a porous structure that is effective in the removal of dissolved organic matter, pesticides and chemicals that are found in raw water sources.

- Composite vessels with flanged or threaded openings.
- Control valve with frontal display & easy access.
- High adsorption capacity hardness characteristics and low pressure drop.
- Operating pressure : 1.4 – 8.6 bar (20 – 125 psi).
- Operating temperature : 4°C – 43°C (40° – 110° F).



### SPECIFICATIONS TABLE

## Water Pioneers Activated Carbon filters

WPCF Model	Service Flow Rate (GPM)		Backwash Flow Rate	Tank Size (in) DXH	Media quantity (Ft3)	Pipe Size (in)	Floor Space WXL (in)
	Cont.	Max.					
WPCF - 10	3	5	5	10 x 44	1	1	12 x 22
WPCF - 13	5	10	8	13 x 54	2.5	1	15 x 25
WPCF - 16	7	14	12	16 x 65	4	1	18 x 28
WPCF - 18	12	21	18	18 x 65	5.5	1 or 1.25	20 x 30
WPCF - 21	13	25	23	21 x 60	6.5	1 or 1.25	23 x 33
WPCF - 24	16	31	28	24 x 69	9.5	1.25 or 1.5	26 x 36
WPCF - 30	25	50	45	30 x 72	15	1.5 or 2	32 x 46
WPCF - 36	36	73	65	36 x 72	22	2	38 x 52
WPCF - 42	49	98	88	42 x 78	29	2	44 x 58
WPCF - 48	63	127	115	48 x 82	36	2 or 3	50 x 72
WPCF - 55	86	172	155	55 x 83	53	3	57 x 82
WPCF - 63	111	223	223	63 x 103	86	3	65 x 89



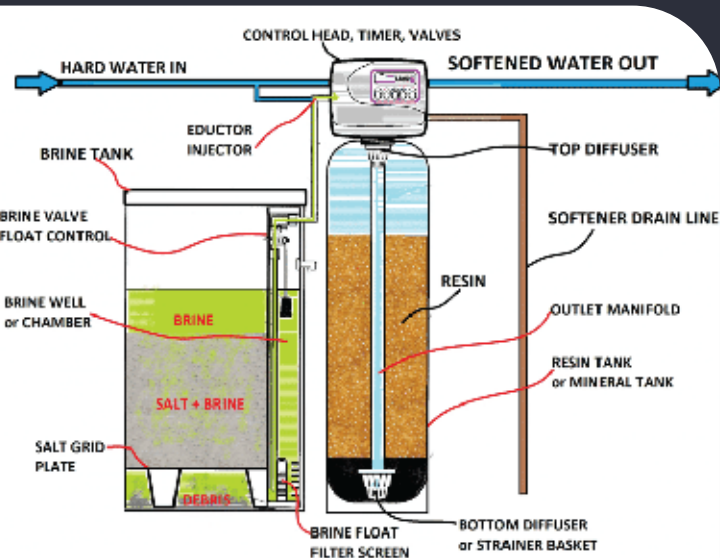
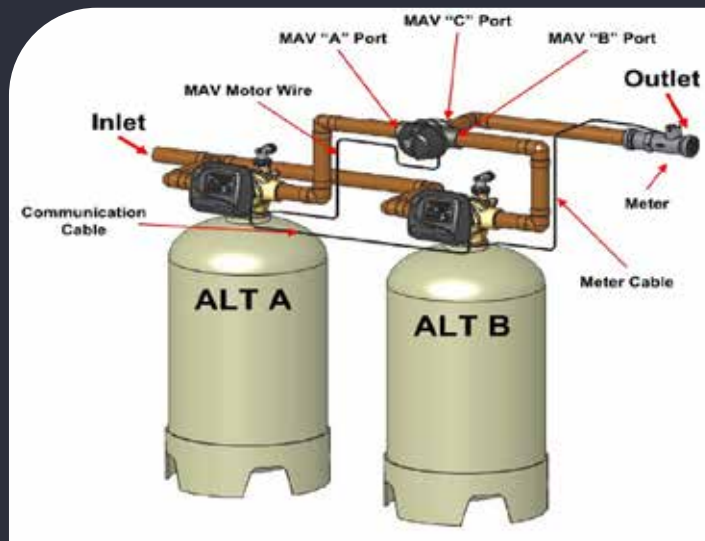
# WATER PIONEERS

# WATER SOFTNERS SYSTEMS

WPSF series of fully automatic, reliable and corrosion resistant water softener is designed for the removal of hardness ions from water supplies and thus preventing scale depositions on metallic surfaces, soap curds during washing and white stains on fixtures & glass.

Softeners are typically used for the treatment of boiler feed water in industries, laundries as well as for residential applications. High purity pre-treated polystyrenic gel, strong acid cation resins are used in this system that is potable water grade and FDA comply.

To ensure continuous supply of soft water and avoid interruptions during regeneration, a single or duplex unit with one unit in service mode and other in stand-by mode is also adaptable in this series of softeners.



- Composite vessels with flanged or threaded openings.
- Control valve with frontal display & easy access.
- High adsorption capacity hardness characteristics and low pressure drop.
- Operating pressure : 1.4 – 8.6 bar (20 – 125 psi).
- Operating temperature : 4°C – 43°C (40° – 110° F).



## SPECIFICATIONS TABLE

## Water Pioneers Softeners

WPSF Model	Service Flow Rate (GPM)		Capacity (Kilograins)	Tank Size (in) DXH	Resin quantity (Ft3)	Pipe Size (inches)	Brine TANK (Gallons)
	Service	Back wash					
WPSF - 10	10	2.5	35	10 x 44	1.2	1	40
WPSF - 13	15	5	75	13 x 54	2.5	1	40
WPSF - 16	32	8	120	16 x 65	4	1 or 1.25	40
WPSF - 18	49	9	150	18 x 65	5	1 or 1.25	100
WPSF - 21	52	13	195	21 x 60	6.5	1.25 or 1.5	100
WPSF - 24	76	19	285	24 x 69	9.5	1.5	100
WPSF - 30	106	30	450	30 x 72	15	2	100
WPSF - 36	160	40	685	36 x 72	22	2 or 3	250
WPSF - 42	210	50	850	42 x 78	25	3	250
WPSF - 48	260	70	1100	48 x 82	35	3	250
WPSF - 55	325	100	1500	55 x 83	50	3	300
WPSF - 63	425	130	1950	63 x 103	65	3	500

# OUR GLOBAL PARTNERS



***Leading supplier for Water filtration  
systems in the UAE***

***Water Pioneers Water Treatment Equipment Trading LLC***

[waterpioneers.ae](http://waterpioneers.ae)

## ABOUT

# WATER PIONEERS WATER TREATMENT EQUIPMENT TRADING LLC

Water Pioneers Water Treatment Equipment Trading L.L.C. is one of the leading suppliers for Water & Waste water treatment equipment in the UAE. Established in 2015 in the Emirate of Dubai, our company has rapidly emerged as a reputed brand in the trading industry. To cater growing demand of Water treatment products owing to continuous shortage of fresh water & environmental concerns, Water Pioneers has emerged as key player & provider of environmentally friendly products & services.

With our expertise in the trading business, partnerships with global leaders in water industry, a competent and professional management together with a highly qualified team help us provide the best possible solutions to all our clients. Our extensive inventory and well stocked warehouses ensure timely deliveries to meet critical project deadlines.

Our major activities includes design installation & commissioning of Water filtration & Grey water treatment plants. We also supply waste water treatment plants, specialty chemicals for boiler, chiller, cooling tower & R.O anti-scalant, water treatment equipment, consumables, instruments & spare parts.

All our products are handled by highly skilled professionals specialized in their respective field. We are result oriented & known for our quality products & after sales support. We represent and stock some of worlds renowned brands in our strategically located warehouse located in Dubai & serve all our customers spread all over GCC market, Africa, Africa & Middle East



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