

Arsenic Reduction Filters

Whole House Filters for Arsenic Reduction.



Arsenic removal system with Matrix and WS1 control valves

Northwest Water Treatment, Inc. offers a wide range of water filtration systems designed to improve the water quality to your home. Our approach includes on site water analysis and inspection of your existing water system to assure the correct filter system is recommended to you.

Our arsenic reduction filters utilize Resintech ASM-10-HP ion exchange resin specifically formulated to selectively remove arsenic from water, certified to NSF/ANSI 61 Standard. No chemicals are required, only backwashing.

Pretreatment with chlorine and activated carbon filtration is required to convert As (III) to As(V) for greater capacity and remove iron, manganese and sediment. The pretreatment system is designed to your specific application.

Clack Dot Matrix and WS1 control valves include a solid state microprocessor with push button settings for ease of use. The metered control valves provide better water efficiency by performing a backwash based on water consumption, plus diagnostics with valve history including gallons filtered. The Matrix control indicates a "call for service" alarm when estimated gallons capacity has been reached. The WS1 control valve provides a service alarm after a preset number of days. This offers an extra level of safety to the customer.



Matrix control valve

Our Arsenic System Removal Program:

1. An onsite analysis is performed at your location, with samples taken to a certified lab for analysis.
2. Based on the testing results, a pre-treatment system is designed, a proposal is provided, and a determination of filter capacity is made by the Resintech factory.
3. During installation, the capacity is programmed into the control valves. In addition, periodic testing is performed to confirm the length of time and number of gallons that can be filtered before media replacement is required.
4. When exhaustion of the first filter (worker) occurs, the media is replaced and it is installed in the second filter (polisher) position. The existing polisher filter is then moved into the worker filter position. This configuration guards against the possibility of arsenic breakthrough.

Models With Clack Control Valves

Model Number	Valve	Mineral Tank Size	Media Cubic Ft.	Piping	Service Flow (GPM)	Back Wash (GPM)	Floor Space LxWxH
NWT 948-WS1-AS-M	Matrix and WS-1	2 ea. 9X48	1 per tank	series	8	1.3	16X10X55
NWT 1054-WS1-AS-M	Matrix and WS-1	2 ea. 10X54	1.5 per tank	series	10	1.7	16X11X62

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Over 40 Years Experience In Water Treatment