



Element33-RT

Water Filtration Systems



Whole-house effective treatment of:

- ◆ Arsenic V (Arsenate)

Features

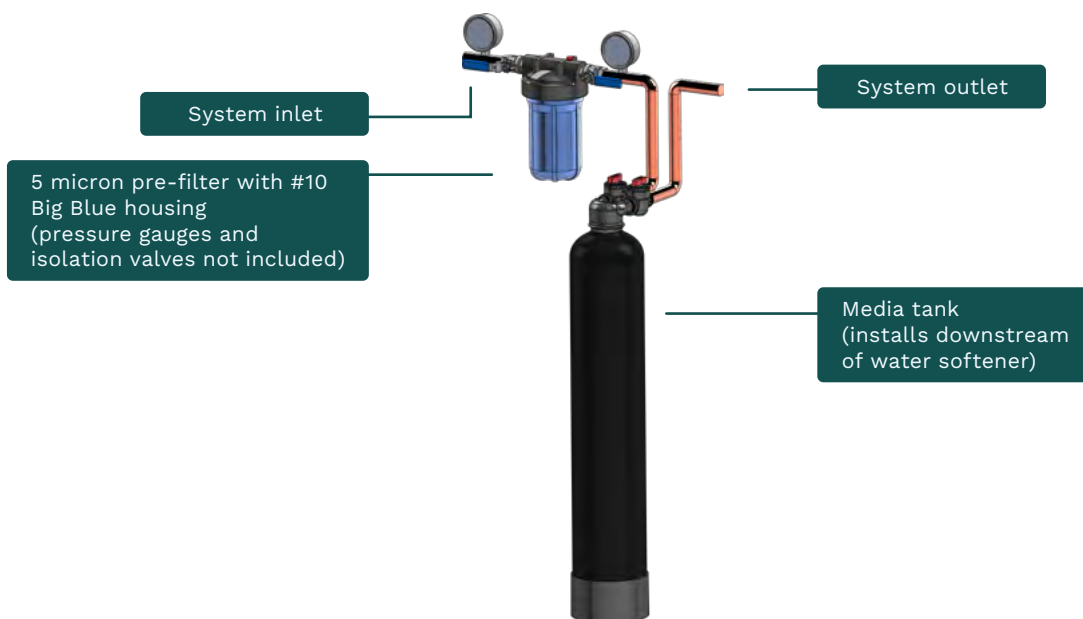
- ◆ Arsenic V reduction to below USEPA limits (MCL)
- ◆ Insulated tank design to eliminate condensation
- ◆ Postage pre-paid test bottles for the first year (included)
- ◆ 5-year warranty (excludes media)

Arsenic is Number 33 in the Periodic Table of Elements. It is a naturally occurring carcinogen found in drinking water supplies all across North America. Long term exposure to arsenic has been proven to cause serious disease, including cancer.

*See official warranty for details



Element33-RT Water Filtration Systems



Specifications	EL33-150-RT	EL33-250-RT
Maximum Flow (gpm) ¹	15	20
Service Flow (gpm)	4 - 10	6 - 15
Maximum Arsenic (ppb or µg/L) ²	150	150
Capacity (gal) ³	146000	243000
Recommended Operating pH Range	5.0 - 8.0	5.0 - 8.0
Maximum Chloride (ppm or mg/L)	1000	1000
Maximum Sulfate (ppm or mg/L)	1000	1000
Maximum Total Dissolved Solids (ppm or mg/L)	2000	2000
Maximum Chlorine / Chloramine (ppm or mg/L) ⁴	0.05	0.05
Maximum Hardness (gpg)	3	3
Mineral Tank Dimensions (in)	10 x 54	13 x 54
Inlet / Outlet Connection Height (in)	56	56
Overall Height (in)	60	60
Media (cu ft)	1.5	2.5
Inlet / Outlet Pipe Size (in)	1	1
Pipe Centers (in)	3	3
Approx. Shipping Weight (lbs)	100	160

Recommended feed water Total Suspended Solids (TSS) < 1 NTU

¹Exceeding max flow rate may reduce % of arsenic removed

²Contact WCC if Arsenite (As+3) is more than 25% of total Arsenic level or greater than 5 ppb

³Based on 8.5 pH, 20 ppm SiO₂, 50 ppb As+5 and 0.8 BV/min

⁴When free chlorine is greater than 0.05 ppm, the feed water should be dechlorinated

How it works

Element33-RT treatment systems feature a proprietary, NSF-certified absorptive media, capable of removing significant levels of arsenic V (arsenate) when there is not enough dissolved iron present in the water to make other methods effective. Note: when there are high levels of Arsenic III (arsenite) present in the water, additional equipment may be required in order to oxidize/transform it to arsenic V. It is critical that the water be tested to determine arsenic type and concentration prior to installation of this system. The media typically lasts from 1 - 2 years, after which WCC can provide replacement media, used media disposal, and replacement service (depending on geographical location). Systems come with 5 postage pre-paid water sample bottles for quarterly water testing and system verification. Additional water test bottles are available at www.watercontrolinc.com. Note: always install an EL33-RT system downstream of any water softener.

NOTE: arsenic is a carcinogen. It is critical to test water no less than 4x per year to ensure proper system operation. WCC offers this testing/verification for a small fee. Details are available at <https://watercontrolinc.com/element33-arsenic-removal> or in the system operation and maintenance manual. (First 5 test bottles included with system.)



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