

BRASSMASTER

PLUS+

Water Filtration Systems

NATURAL &
MAINTENANCE-FREE

ARSENIC FILTERS

- ✓ EFFECTIVE REMOVAL OF ARSENIC WITHOUT HARSH CHEMICALS OR ADDITIONAL EQUIPMENT
- ✓ LONG LASTING MEDIA REGENERATES WITH WATER ALONE
- ✓ IMPROVES WATER QUALITY BY REMOVING ADDITIONAL NUISANCE CONTAMINANTS
- ✓ POSTAGE PRE-PAID TEST BOTTLES FOR THE FIRST YEAR INCLUDED
- ✓ INSULATED TANK DESIGN ELIMINATES CONDENSATION
- ✓ EXCLUSIVE 5 YEAR APM WARRANTY FOR QUICK AND INEXPENSIVE SERVICING



WHOLE HOUSE

Effective treatment of:

- Arsenic III [Arsenite]
- Arsenic V [Arsenate]
- Iron+Manganese+Hydrogen Sulfide

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. For this reason, the USEPA has set a very stringent Maximum Contaminant Level [MCL] of 10 parts-per-billion [10µg/L] of arsenic in potable water. BrassMaster Plus Element33 treatment systems effectively reduce arsenic to low or non-detectable levels, making water safe for human consumption. They also remove low levels of other nuisance contaminants, including iron, manganese, and hydrogen sulfide [sulfur/rotten egg smell].

An Employee-Owned Company



Where NATURE & SCIENCE meet.™

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RESIDENTIAL



Nearly all serviceable parts lie within the removable/replaceable APM module. This eliminates costly and time consuming field repairs.



Specifications	EL33-150	EL33-250
Maximum flow [GPM]*	6	10
Maximum arsenic [PPB or µg/L]	50	50
Capacity [Gallons]	1500	2000
Combined Fe + Mn + H ₂ S capacity [PPM or mg/L]**	5	5
Minimum Fe [PPM or mg/L]***	0.3	0.3
Minimum dissolved oxygen [PPM or mg/L]***	2	2
Mineral tank dimensions	10" x 54"	13" x 54"
Inlet/outlet connection height	56"	56"
Overall height	62"	62"
Media [cu. ft.]	1.5	2.5
Inlet/outlet pipe size	1"	1"
Pipe centers	2"	2"
Backwash rate [GPM]	1.7	3.0
Backwash time [min]	20	20
Regeneration frequency	Daily	Daily
Drain tubing size [OD]	5/8"	5/8"
Approx. shipping weight [lbs]	100	160

Recommended feed water Total Suspended Solids [TSS] < 1PPM

*Exceeding max flow rate may reduce % of arsenic removed

*This system is for non-chlorinated (well) water only

*Pressure loss at max flow rate: EL33-150 = 6 PSID, EL33-250 = 8 PSID

**Exceeding 5 PPM iron, manganese and hydrogen sulfide will reduce the system's flow capabilities. Contact WCC for system sizing

***Contact WCC if levels are below this minimum

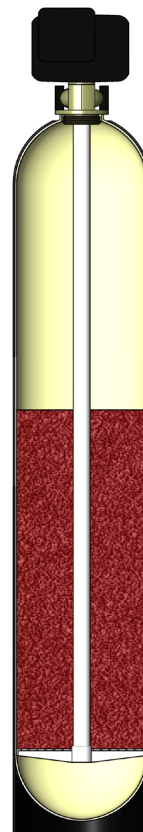


Element33 treatment systems feature a proprietary, catalytic filtration media capable of removing high levels of both arsenic III [arsenite] and arsenic V [arsenate], in addition to low levels of dissolved iron, manganese, and hydrogen sulfide [sulfur/rotten egg odor]. The media is long lasting [typically 7 years] and requires no chemicals for regeneration, instead relying solely on a nightly backwash cycle. The oxygen dissolved in the backwash water effectively oxidizes and cleans the media bed.

High Efficiency
Catalytic/Oxidization Media



Model EL33-150 and EL33-250 are certified by IAPMO R&T against NSF/ANSI 42, 53 and IAPMO IGC 370 for Pentavalent Arsenic, Trivalent Arsenic, Iron, Manganese and Hydrogen Sulfide reduction claims. They are also certified to NSF/ANSI/CAN 61 and 372 for material safety and lead free requirements.



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 SYSETM OPERATION AND MAINTENANCE MANUAL. [FIRST 5 TEST BOTTLES INCLUDED WITH SYSTEM.]



Water Control Corporation
7150 143rd Ave NW • Ramsey, MN 55303
Phone: 763-427-9638 watercontrolinc.com

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