



Residential Water Treatment Catalog



**Over 50 Years of
Water Treatment
Expertise**

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Residential Water Treatment Solutions

Half a century helping contractors become water treatment specialists

With over 50 years of engineering expertise in solving the most difficult water quality problems, WCC provides rugged, commercial-grade equipment scaled for residential use. We're not just another softener supplier—we're your total solutions partner, offering the products, expertise, and support tools to help any licensed plumber or well driller build a profitable water treatment business.

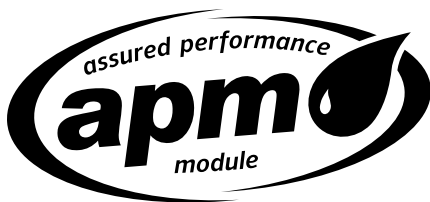
Product categories

Brassmaster Media Filtration Systems

BrassMaster filtration systems provide upscale, heavy duty options for removing some of the most problematic water contaminants.



System Series	Contaminants Removed	Certifications*
BrassMaster Softeners	Hardness minerals, iron (low levels)	ANSI/NSF 44, 61, 372
BrassMaster Plus Softeners	Hardness minerals, iron (higher levels)	ANSI/NSF 44, 61, 372
MEGAbite® Filters	Iron, manganese, hydrogen sulfide (rotten egg odor)	ANSI/NSF 42, 61, 372
MultiMAX Softeners/Filters	Hardness minerals, chlorine, chloramine, chemicals, taste/odor	ANSI/NSF 44, 61, 372
Element33 Filters	Arsenic III & V, iron, hydrogen sulfide (rotten egg odor)	ANSI/NSF 42, 53, 61, 372, ASSE 1087
Element 33-RT Filters	Arsenic V	Pending
CLEAR Softeners/Filters	Hardness minerals, tannins/organics	Pending
BrassMaster Plus pH Filters/Softeners	Acidity, alkalinity, hardness minerals	Pending
NitraMAX Softeners/Filters	Hardness minerals, nitrates, sulfates, perchlorates	ANSI/NSF 44, 61, 372
Northwoods® Softeners	Hardness minerals, iron (low levels)	ANSI/NSF 61, 372
TurfMaster® Filters	Iron, manganese, hydrogen sulfide (rotten egg odor) for irrigation	N/A
Dakotah Series (no APM)	Hardness minerals, iron (low levels)	ANSI/NSF 44, 61, 372



No more cumbersome valve repairs!

All BrassMaster systems feature our Assured Performance Module (APM) design. If you experience a failure of any component, the valve can be removed and replaced in a matter of minutes.



*All certifications by IAPMO R&T



Pure Simplicity Cartridge and Membrane Filter Systems

Pure Simplicity filtration systems offer compact, space saving filter solutions designed to address issues of both water quality and safety.

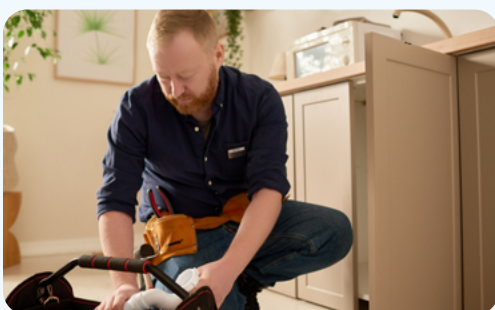


System Series	Contaminants Removed	Details
PS-5 Reverse Osmosis Systems	Heavy metals, pollutants, chemicals, tastes, odors	Under-the-counter system, ANSI/NSF 58 certified
WHRO Reverse Osmosis Systems	Heavy metals, pollutants, chemicals, tastes, odors	Whole-house system
PS Cartridge Filters	Particulates, taste, odor, chemicals, and more	Under-the-counter and whole-house, ANSI/NSF 61 certified
Pioneer Filters	Chlorine, chloramine, lead, PFAS, PFOS, “forever chemicals”	Whole-house system, ANSI/NSF 53 certified
Designer RO Faucets	N/A	Reverse osmosis drinking water accessory, ANSI/NSF 61 certified

Advanced Solutions

For extremely challenging quality issues, often related to water safety and potability, WCC designs state-of-the-art filtration, disinfection, and chemical injection packages.

System Series	Treatment Type
UrSpring Filters	Ultrafiltration (UF) for removal of bacteria, viruses, cysts, and particulates
Ultraviolet (UV) Filters	UV light disinfection (inactivation of microorganisms)
Ozone Injection Systems	Ozone gas disinfection (inactivation of microorganisms), removal of organic contaminants, oxidation of heavy metals
Chemical Injection Systems	Chemicals for oxidation, disinfection, anti-scale, pH adjustment, and more



Not sure where to start?

We’re committed to you. Through our Platinum Partner program, we offer free water testing services, marketing support, and education programs to help you make the best recommendations possible to your customers and ensure profitable business opportunities in the water treatment sector. We operate strictly through the plumbing/mechanical industry and can help bring your contracting business to the next level.

We're committed to you



Water testing services: Expert recommendations for your customers

WCC's in-house laboratory provides quick, easy, non-certified water testing to help our contractor partners select the ideal treatment equipment for every application. Testing services are free for our Platinum Partners, and we provide sample kits with pre-paid postage.

Three easy steps:

1. Complete a sample kit by filling a provided bottle, completing the attached form, and using the pre-paid mailer to send your sample to our lab
2. Our in-house water test lab will test for contaminants
3. Results and equipment recommendations are available within 2 business days



Become a Platinum Partner

As a certified partner, you'll receive a login to our Platinum Partner Portal with access to:

- ◆ Education and product training
- ◆ Customizable brochures, proposals, and sales presentations
- ◆ Postage pre-paid water sample bottles
- ◆ Water sample results and treatment recommendations
- ◆ Marketing tools including decals, gear, and more



Come partner with us!

Licensed plumbers and well drillers can submit an application to become a Platinum Partner via the request form on our website at:

www.watercontrolinc.com/contact-us



Visit us
online

Find detailed information on common water contaminants and treatments at watercontrolinc.com



Contact your
local sales
representative

Find your WCC authorized rep at watercontrolinc.com/representativelocator



Speak with our
customer support
department

Call 1-866-405-1268 or email customerservice@watercontrolinc.com

BrassMaster

Water Softening Systems



Whole-house effective treatment of:

- ◆ Water hardness
- ◆ Iron*

Features

- ◆ Electronic control module
- ◆ Metered operation for precise salt efficiency
- ◆ Exclusive 3 year APM™ warranty
- ◆ 5 year tank warranty

Hardness, comprised of calcium and magnesium (along with iron), is commonly found in both public and private water systems. BrassMaster water softening systems use the process of “ion exchange” to effectively remove these undesirable minerals.

*High iron concentrations may require additional equipment
** See official warranty for details

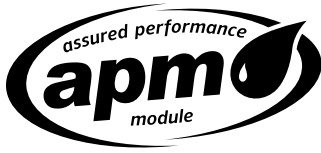


B32, BT32, BT48, and BT60 are certified by IAPMO R&T against NSF/ANSI 44, NSF/ANSI/CAN 61, and NSF/ANSI/CAN 372

Performance Data Sheet

These units are certified by IAPMO R&T to NSF-44 standards, including optional salt and water efficiency standards

BrassMaster Water Softening Systems



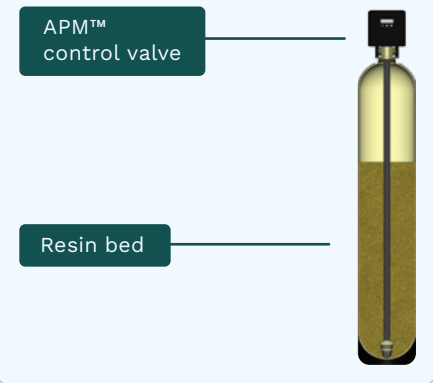
Nearly all serviceable parts lie within the removable/replaceable APM™ module. This eliminates costly and time consuming field repairs.



How it works

BrassMaster water softeners utilize the “ion exchange” process to remove undesirable hardness minerals. Incoming water passes through a bed of cation resin, where hardness is exchanged for very tiny amounts of sodium. Periodically, after a specified amount of hardness has been exchanged, a salt solution is used to “regenerate” the resin bed. Captured hardness minerals, along with excess salt solution, are sent to drain. This leaves behind a recharged bed of resin, ready again for service.

Primary components



NOTE: This equipment is not intended to be used for treating water that is microbiologically unsafe or of unknown quality without disinfection before or after the system.

This system and installation must comply with local and state laws and regulations.

Efficiency rated water softeners shall have a rated salt efficiency of not less than 3,350 grains of total hardness exchange per pound of salt (based on NaCl equivalency) (477 g of total hardness exchange per kilogram of salt) and shall not deliver more salt or be operated at a sustained maximum service flow rate greater than its listed rating.

Efficiency is measured by a laboratory test described in NSF/ANSI 44; that the test represents the maximum possible efficiency the system can achieve; that operational efficiency is the actual efficiency achieved after the system has been installed; and that operational efficiency is typically less than the efficiency due to individual application factors including water hardness, water usage, and other contaminants that reduce the softener's capacity.

Efficiency rated water softener is a DIR softener, which also complies with specific performance specifications intended to minimize the amount of regenerant brine and water used in its operation

* WCC recommends the use of clean, pellet salt.

Specifications	Cabinet Model	Two-Tank Models		
	B32	BT32	BT48	BT60
Rated Service Flow Rate (gpm)	7	7	9.6	10.5
Pressure Drop at Rated Service Flow Rate (psi)	12	12	15	15
Backwash Rate (gpm)	1.7	1.7	2.4	4.0
Cubic Feet of Media	0.80	0.80	1.30	2.00
Standard Capacity (grains)	11,143	12,636	21,285	32,739
Standard Capacity Salt Setting (lbs)	3.26	3.26	5.30	8.15
Maximum Capacity (grains) ¹	25,093	25,093	40,776	62,733
Max Iron Capacity (ppm)	2	2	2	2
Mineral Tank Dimensions (in)	9 x 35	8 x 44	10 x 47	13 x 54
Brine Tank Dimensions (in)	14 x 21	18 x 33	18 x 33	18 x 33
Brine Tank Salt Capacity (lbs)	200	300	300	300
Overall Height (in)	44	53	57	64
Inlet / Outlet Pipe Size ² (in)	1	1	1	1
Inlet / Outlet Height (To Center) (in)	37	46	47	56
Pipe Centers (in)	2	2	2	2
Approx. Shipping Weight (lbs)	80	80	115	170

¹ The capacity rating is based on a salt setting of 15 lbs/cu. ft. This setting is not certified by IAPMO R&T against NSF 44 and the claim is coming from manufacturer's internal testing only. This setting does not meet salt or water efficiency requirements as defined by NSF/ANSI 44.

² Standard unit features 1" NPTF connection. Other connection configurations are available. Contact WCC for additional information.

*System operating pressure is 20 psi minimum and 100 psi maximum.

*System operating temperature is 40°F minimum and 110°F maximum.

BrassMaster Plus+

Water Softening Systems



High-capacity treatment of:

- ◆ Water hardness
- ◆ Iron*

Features

- ◆ Electronic control module
- ◆ Superior iron removal capacity with turbulator
- ◆ Greater capacity and flow rate performance
- ◆ Metered operation for precise salt efficiency
- ◆ Exclusive 5 year APM™ warranty
- ◆ 5 year tank warranty

Hardness, comprised of calcium and magnesium (along with iron), is commonly found in both public and private water systems. BrassMaster water softening systems use the process of “ion exchange” to effectively remove these undesirable minerals.

*Excessive iron concentrations may require additional equipment
*See official warranty

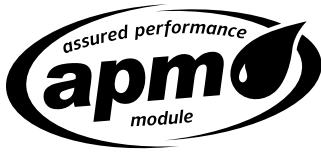


BP27, BP35, BPT27, BPT35, BPT48, and BPT60 are certified by IAPMO R&T against NSF/ANSI 44, NSF/ANSI/CAN 61, and NSF/ANSI/CAN 372

Performance Data Sheet

These units are certified by IAPMO R&T to NSF-44 standards, including optional salt and water efficiency standards

BrassMaster Plus+ Water Softening Systems



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



How it works

BrassMaster Plus water softeners utilize the “ion exchange” process to remove undesirable hardness minerals. Incoming water passes through a bed of cation resin, where hardness is exchanged for very tiny amounts of sodium. Periodically, after a specified amount of hardness has been exchanged, a salt solution is used to “regenerate” the resin bed. Captured hardness minerals, along with excess salt solution, are sent to drain. This leaves behind a recharged bed of resin, ready again for service.

Primary components

APM™ control valve

Resin bed

Resin ‘Turbulator’

(Stirs media for higher iron removal)



NOTE: This equipment is not intended to be used for treating water that is microbiologically unsafe or of unknown quality without disinfection before or after the system.

This system and installation must comply with local and state laws and regulations.

Efficiency rated water softeners shall have a rated salt efficiency of not less than 3,350 grains of total hardness exchange per pound of salt (based on NaCl equivalency) (477 g of total hardness exchange per kilogram of salt) and shall not deliver more salt or be operated at a sustained maximum service flow rate greater than its listed rating.

Efficiency is measured by a laboratory test described in NSF/ANSI 44; that the test represents the maximum possible efficiency the system can achieve; that operational efficiency is the actual efficiency achieved after the system has been installed; and that operational efficiency is typically less than the efficiency due to individual application factors including water hardness, water usage, and other contaminants that reduce the softener’s capacity.

Efficiency rated water softener is a DIR softener, which also complies with specific performance specifications intended to minimize the amount of regenerant brine and water used in its operation

* WCC recommends the use of clean, pellet salt.

Specifications	Cabinet Models		Two-Tank Models			
	BP27	BP35	BPT27	BPT35	BPT48	BPT60
Max Flow Rate (gpm) ¹	10.4	11	8.5	11.4	10.8	12.3
Backwash Rate (gpm)	2.0	2.0	2.0	3.5	3.5	5.0
Cubic Feet of Media	0.87	1.10	0.87	1.10	1.30	2.00
Standard Capacity (grains)	10,684	14,344	11,332	14,344	16,962	26,070
Standard Capacity Salt Setting (lbs)	3.16	4.00	3.16	4.00	4.73	7.27
Maximum Capacity (grains) ²	27,289	43,503	27,289	34,503	40,776	62,733
Max Iron Capacity (ppm)	4	4	4	4	4	4
Mineral Tank Dimensions (in)	9 x 35	10 x 35	8 x 44	10 x 44	10 x 47	13 x 54
Brine Tank Dimensions (in)	14 x 21	14 x 21	18 x 33	18 x 33	18 x 33	18 x 33
Brine Tank Salt Capacity (lbs)	200	200	300	300	300	300
Overall Height (in)	44	44	54	54	57	64
Inlet / Outlet Pipe Size ³ (in)	1	1	1	1	1	1
Inlet / Outlet Height (To Center) (in)	37	37	46	46	49	56
Pipe Centers (in)	2	2	2	2	2	2
Approx. Shipping Weight (lbs)	85	90	85	100	115	170

¹ Flow rate at 15 psid.

² The capacity rating is based on a salt setting of 15 lbs/cu. ft. This setting is not certified by IAPMO R&T against NSF 44 and the claim is coming from manufacturer’s internal testing only. This setting does not meet salt or water efficiency requirements as defined by NSF/ANSI 44.

³ Standard unit features 1” NPTF connection. Other connection configurations are available. Contact WCC for additional information.

* System operating pressure is 20 psi minimum and 100 psi maximum.

* System operating temperature is 40°F minimum and 110°F maximum.



MEGAbite®

Water Filtration Systems



Whole-house effective treatment of:

- ◆ Ferrous and ferric Iron
- ◆ Hydrogen sulfide gas (rotten egg odor)
- ◆ Manganese

Features

- ◆ Natural and maintenance-free iron filtration
- ◆ No pumps, harsh chemicals, or replaceable filters
- ◆ Long-lasting, naturally cleaned media
- ◆ Low cost of operation (less than \$10 per year)
- ◆ Insulated tank design to eliminate condensation
- ◆ Exclusive 5 year APM™ warranty

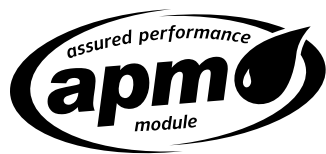
Iron, manganese, and hydrogen sulfide gas are problem elements often found in private well systems. MEGAbite® iron filters use oxygen injection to remove damaging minerals and unpleasant odors in a natural, effective, environmentally friendly manner.

*See official warranty for details



Model MB-100 and MB-200 are certified by IAPMO R&T against NSF/ANSI 42 for Iron and Hydrogen Sulfide reduction. They are also certified to NSF/ANSI/CAN 61 and 372 for material safety and lead free requirements

MEGAbite® Water Filtration System



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



How it works

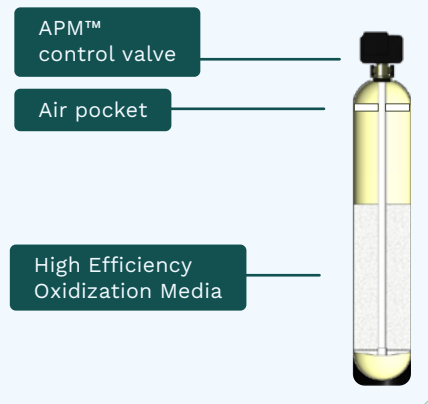
The MEGAbite® water filtration system features a single filtration tank. Water is first exposed to an internal pocket of air, oxidizing dissolved iron, manganese, and sulfur out of solution. Using a special filtration media, it is then scrubbed of these offensive particles, producing clean, colorless, odorless water. Every 1-3 days, the system backwashes these particles to drain and recharges the tank and media with oxygen.

Specifications	MB-100	MB-200
Max Flow Rate (gpm) ¹	10	12
Capacity (gal) ²	650	1200
Iron Capacity (ppm)	Up to 5	Up to 5
Mineral Tank Dimensions (in)	10 x 54	13 x 54
Inlet / Outlet Connection Height (in)	56	56
Overall Height (in)	62	62
Media (cu ft)	1	2
Inlet / Outlet Pipe Size (in) (NPTF)	1	1
Pipe Centers (in)	2	2
Backwash Rate (gpm)	5	7
Regeneration Time (min)	50	60
Drain Tubing Size (od) (in)	5/8	5/8
Approx. Shipping Weight (lbs)	95	150

¹Pressure loss at max flow rate: MB-100 = 12 psid, MB-200 = 15 psid

²Influent Iron concentration of 3 ppm

Primary components





MultiMax

Water Softening and Filtration Systems



Whole-house effective treatment of:

- ◆ Chlorine and chloramine*
- ◆ Water hardness
- ◆ Taste & odor issues
- ◆ Iron**

Features

- ◆ Purification and water softening, all in one
- ◆ Removal of harsh chemicals
- ◆ Insulated tank design to eliminate condensation
- ◆ Exclusive 5 year APM™ warranty for quick and inexpensive servicing

Chlorine and/or chloramine are commonly used as additives in public water systems. The MultiMAX water filtration system effectively removes these undesirable additives, while also softening water.

* Based on manufacturer's internal testing
** High iron concentrations may require additional equipment
*** See official warranty for details

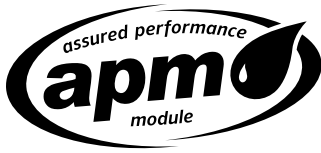


MTM-100 and MTM-200 are certified by IAPMO R&T against NSF/ANSI 44, NSF/ANSI/CAN 61, and NSF/ANSI/CAN 372

Performance Data Sheet

These units are certified by IAPMO R&T to NSF-44 standards

MultiMax Water Softening and Filtration Systems



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



How it works

MultiMAX features a two-chambered tank system with high-quality softener resin and an additional bed of enhanced Granular Activated Carbon (GAC) media for removal of chemicals, taste, odors, and other impurities.

Primary components

APM™ control valve

Specialized Carbon Media

Softening Media



Specifications	MTM-100	MTM-200
MFG Rated Service Flow Rate (gpm) ¹	6	9
Pressure Drop at MFG Rated Service Flow Rate (psi)	5	8
Backwash Rate (gpm)	3	5
Softening Media (cu ft)	.75	1.25
Carbon Media (cu ft)	0.5	1
Standard Capacity (grains) ²	10,962	18,270
Standard Capacity Salt Setting (lbs)	3	5
Maximum Capacity (grains) ³	31,367	39,208
Max Iron Capacity (ppm)	2	2
Mineral Tank Dimensions (in)	10 x 54	13 x 54
Brine Tank Dimensions	18 x 33	18 x 33
Brine Tank Salt Capacity (lbs) ³	300	300
Inlet / Outlet Pipe Size ⁴ (in)	1	1
Inlet / Outlet Height (To Center) (in)	56	56
Overall Height (in)	64	64
Pipe Centers (in)	2	2
Approx. Shipping Weight (lbs)	85	125

NOTE:

- This equipment is not intended to be used for treating water that is microbiologically unsafe or of unknown quality without disinfection before or after the system.
 - This system and installation must comply with local and state laws and regulations.
 - The system conforms to NSF/ANSI 44 for the specific performance claims as verified and substantiated by test data.
- * WCC recommends the use of clean, pellet salt.

¹ Maximum flow rate for optimal chemical removal efficiency per manufacturer's internal testing only.

² The capacity rating is based on a salt setting of 4 lbs/cu. ft. This setting is not certified by IAPMO R&T against NSF44 and the claim is coming from manufacturer's internal testing only.

³ The capacity rating is based on a salt setting of 15 lbs/cu. ft. This setting is not certified by IAPMO R&T against NSF44 and the claim is coming from manufacturer's internal testing only.

⁴ Standard unit features 1" NPTF connection. Other connection configurations are available. Contact WCC for additional information.

* System operating pressure is 20 psi minimum and 100 psi maximum

* System operating temperature is 40°F minimum and 110°F maximum

MultiMax LS

Water Filtration Systems



Whole-house effective treatment of:

- ◆ Chlorine and chloramine*
- ◆ Taste & odor issues

Features

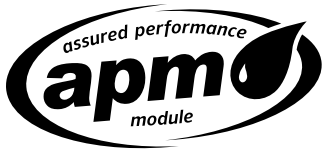
- ◆ Long-lasting media, naturally cleaned with water
- ◆ Enhanced Granular Activated Carbon (GAC) media for maximum life and contaminant removal
- ◆ Cost of operation less than \$10 per year
- ◆ Insulated tank design eliminates condensation
- ◆ Exclusive 5 year APM™ warranty for quick and inexpensive servicing**

Chlorine and chloramines are commonly used to disinfect city water systems and provide safe drinking water to end users. However, once inside homes and businesses, these chemicals can cause unintended problems with taste, odor, dry skin, and more.

* Based on manufacturer's internal testing
** See official warranty for details



MultiMax LS Water Softening and Filtration Systems



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



How it works

These systems feature a single tank with a specialized carbon media for the removal of chemicals, taste, odors, and other impurities. Every few days, the media is backwashed to remove sediment and extend its operating life.

Primary components

APM™ control valve

Specialized Carbon Media



Specifications	MTM-100-LS	MTM-200-LS
Carbon media (cu ft)	1.0	2.0
Service flow rate (gpm) ¹	6	9
Max flow rate (gpm at 10 psid)	11	12
Mineral tank dimensions (in)	10" x 54"	13" x 54"
Backwash rate (gpm)	3	5
Overall height (in)	64	64
Inlet / outlet pipe size (NPTF) (in)	1	1
Pipe centers (in)	2	2
Approx. shipping weight (lbs)	75	110

¹ Max flow rate for optimal chemical removal



Element33

Water Filtration Systems



Whole-house effective treatment of:

- ◆ Arsenic III (Arsenite)
- ◆ Arsenic V (Arsenate)
- ◆ Iron and Hydrogen Sulfide

Features

- ◆ Effective removal of arsenic without harsh chemicals or additional equipment
- ◆ Long-lasting media, regenerated with water alone
- ◆ Improved water quality, free from nuisance minerals
- ◆ Postage pre-paid test bottles for the first year
- ◆ Insulated tank design to eliminate condensation
- ◆ Exclusive 5 year APM™ warranty

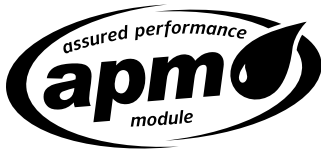
Arsenic is Number 33 in the Periodic Table of Elements. It is a naturally occurring carcinogen found in drinking water supplies all across North America. Long term exposure to arsenic has been proven to cause serious disease, including cancer.

*See official warranty for details



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, and Hydrogen Sulfide reduction claims. They are also certified to NSF/ANSI/CAN 61 and 372 for material safety and lead free requirements

Element33 Water Filtration Systems



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



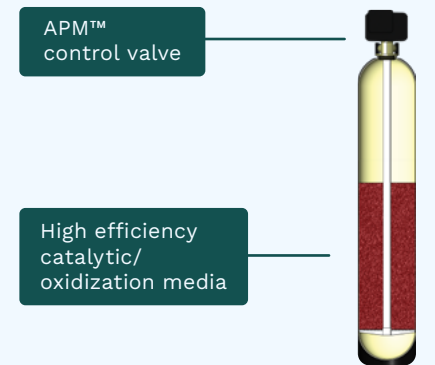
How it works

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, and hydrogen sulfide (sulfur/rotten egg odor). The media is long lasting (typically 5 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.

Specifications	EL33-150	EL33-250
Maximum Flow (gpm) ¹	6	10
Maximum Arsenic (ppb or µg/L)	50	50
Capacity (gal)	1500	2000
Combined Fe + Mn + H ₂ S Capacity (ppm or mg/L) ²	5	5
Minimum Fe (ppm or mg/L) ³	0.3	0.3
Minimum Dissolved Oxygen (ppm or mg/L) ³	2	2
Mineral Tank Dimensions (in)	10 x 54	13 x 54
Inlet / Outlet Connection Height (in)	56	56
Overall Height (in)	62	62
Media (cu ft)	1.5	2.5
Inlet / Outlet Pipe Size (in) (NPTF)	1	1
Pipe Centers (in)	2	2
Backwash Rate (gpm)	1.7	3.0
Backwash Time (min)	20	20
Regeneration Frequency	Daily	Daily
Drain Tubing Size (od) (in)	5/8	5/8
Approx. Shipping Weight (lbs)	100	160

¹Exceeding max flow rate may reduce % of arsenic removed
²Pressure loss at max flow rate: EL33-150 = 6 psid, EL33-250 = 8 psid
³Exceeding 5 ppm iron, manganese and hydrogen sulfide will reduce the system's flow capabilities. Contact WCC for system sizing
⁴Contact WCC if levels are below this minimum
⁵Recommended feed water Total Suspended Solids (TSS) < 1 ppm
⁶**This system is for non-chlorinated (well) water only

Primary components



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.)

Note: WCC highly recommends installing a water softener downstream of this system if incoming water contains hardness or manganese.



Element33-RT

Water Filtration Systems



Whole-house effective treatment of:

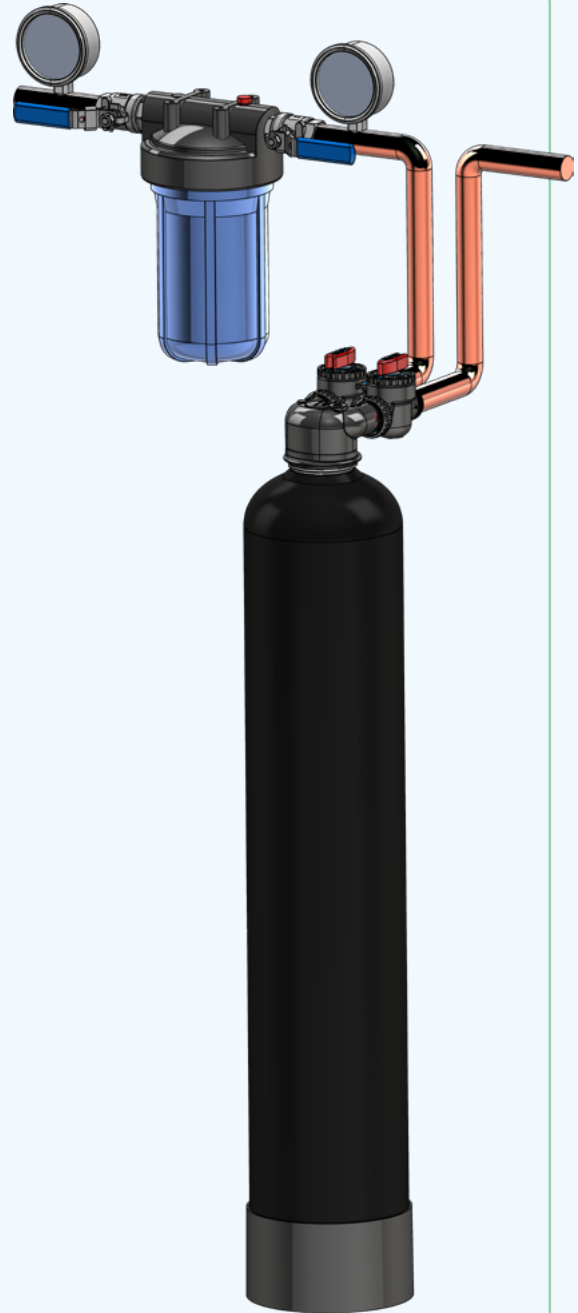
- ◆ Arsenic V (Arsenate)

Features

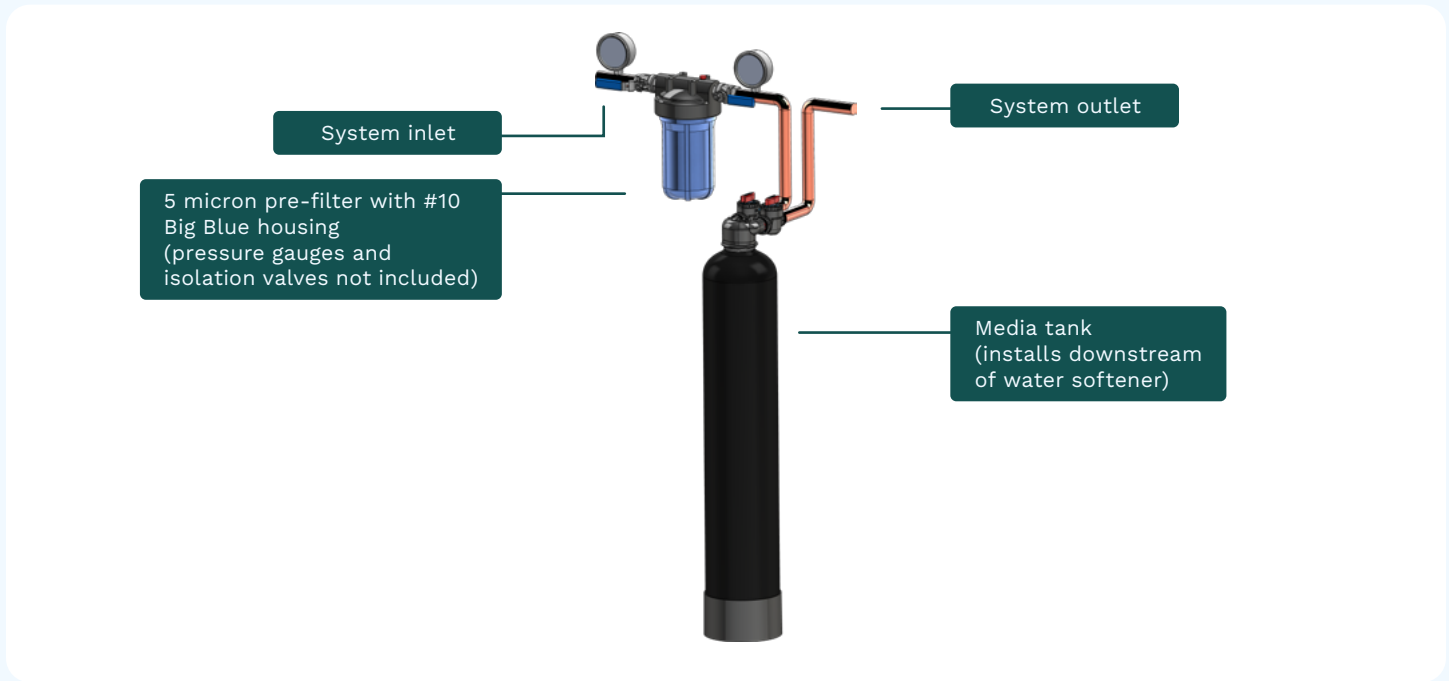
- ◆ Arsenic V reduction to below USEPA limits (MCL)
- ◆ Insulated tank design to eliminate condensation
- ◆ Postage pre-paid test bottles for the first year (included)
- ◆ 5-year warranty (excludes media)

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.)



CLEAR

Water Softening and Filtration Systems



Whole-house effective treatment of:

- ◆ Tannins
- ◆ Organic odors
- ◆ Water hardness
- ◆ Iron*

Features

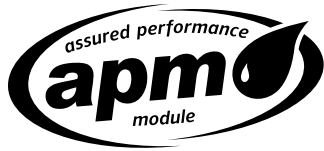
- ◆ Water softening and tannin removal all in one
- ◆ Exclusive 5 year APM™ warranty

Organic matter (tannins) dissolved in your water supply can cause yellow discoloration and objectionable odors. The CLEAR filtration system effectively removes these organic substances, while providing feather soft, iron free* water.

*High iron concentrations may require additional equipment
** See official warranty for details



CLEAR Water Softening and Filtration Systems



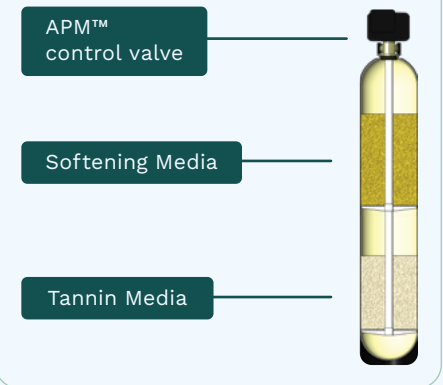
Nearly all serviceable parts lie within the removable/replaceable APM™ module. This eliminates costly and time consuming field repairs.



How it works

These systems feature two distinct media materials combined in one tank. First, high-quality water softening media eliminates calcium, magnesium, and iron hardness minerals. Next, a special anion exchange media removes natural organic tannins. Regeneration of both medias is accomplished with common water softener salt.

Primary components



NOTE: Minimum 100 PPM total alkalinity and 7.0 pH required in feed water.

Specifications	Clear-500+	Clear-500+XL
Maximum Flow (gpm) ¹	10	13
Softening Capacity (grains) ²	21,500	32,250
Tannin Capacity (grains) ²	2,500	5,000
Iron Capacity (ppm)	2	2
Mineral Tank Dimensions (in)	10 x 54	13 x 54
Brine Tank Dimensions (in)	18 x 33	18 x 33
Inlet / Outlet Connection Height (in)	56	56
Overall Height (in)	64	64
Softening Media (cu ft)	1	1.5
Tannin Media (cu ft)	0.25	0.5
Inlet / Outlet Pipe Size (in) (NPTF)	1	1
Pipe Centers (in)	2	2
Backwash Rate (gpm)	1.7	3.0
Regeneration Time (min)	90	90
Regeneration Frequency	Metered/7 days	Metered/7 days
Lbs Sodium Chloride per Regeneration ³	7	11
Drain Tubing Size (OD) (in)	5/8	5/8
Approx. Shipping Weight (lbs)	125	175

¹ Pressure loss at max flow rate = 14 psid. Exceeding the maximum flow rate may reduce the tannin removal efficiency.

² Based on 7 lbs of salt per cubic foot of media.

³ WCC recommends using pellet salt with an anti-iron \ citric acid additive (typically sold in green bags).



pH Balancing Filters

Water Softening and Filtration Systems



Whole-house effective treatment of:

- ◆ Low pH - acidity
- ◆ High pH - alkalinity
- ◆ Water hardness
- ◆ Iron*

Features

- ◆ Insulated tank design to eliminate condensation
- ◆ Metered operation for precise salt efficiency
- ◆ Exclusive 5 year APM™ warranty

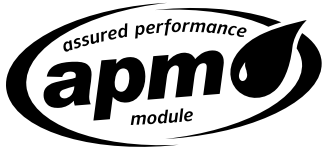
Water pH level is an important factor in the expected lifespan of your household plumbing system. High pH (over 8.5) can cause premature failure of mechanical systems due to excessive scaling. Low pH (below 6.5) can cause corrosion of piping and valves, as well as the leaching of heavy metals into drinking water.

* High iron concentrations may require additional equipment

** See official warranty for details



pH Balancing Filters and Softening Systems



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



How it works

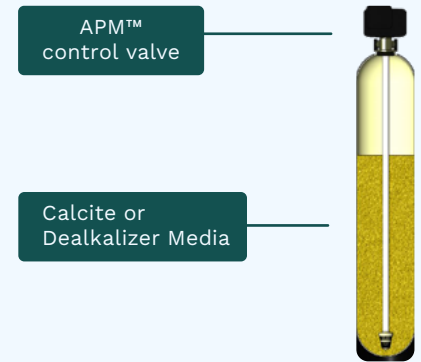
Water passes through a neutralizing media which balances pH levels. Regeneration is fully automatic. The acid neutralizer simply backwashes with water, while the dealkalizer regenerates with standard water softener salt. Combination units utilize both softening and pH adjustment medias.

Specifications	Acid Neutralizer	Dealkalizer	Softener/Acid Neutralizer	Softener/Dealkalizer
	STS-300	STS-400	STS-300+	STS-400+
Softening Capacity (grains)	N/A	N/A	20,500	27,000
Max Iron Capacity (ppm)	N/A	0.1	2	2
Max Flow Rate (gpm @ 10 psid max)	6	9	8	8
Softening Media (cu ft)	N/A	N/A	0.75	1
pH Adjustment Media (cu ft)	1.5	1.1	1.1	0.75
Mineral Tank Dimensions (in)	10 x 44	10 x 44	10 x 54	10 x 54
Brine Tank Dimensions (in)	N/A	18 x 33	18 x 33	18 x 33
Brine Tank Salt Capacity (lbs)	N/A	250	250	250
Backwash rate (gpm)	5.0	1.2	4.0	1.7
Regeneration Time (min)	30	90	90	90
Regeneration Frequency	4 days	Metered/14 days	Metered/4 days	Metered/7 days
Pounds of Salt per Regeneration	N/A	7.5	7.5	13.75
Overall Height (in)	54	54	64	64
Inlet / Outlet Pipe Size (in)	1	1	1	1
Pipe Centers (in)	2	2	2	2
Drain Tubing Size (OD) (in)	5/8	5/8	5/8	5/8
Approx. Shipping Weight (lbs)	170	100	160	120

*WCC recommends the use of clean pellet salt

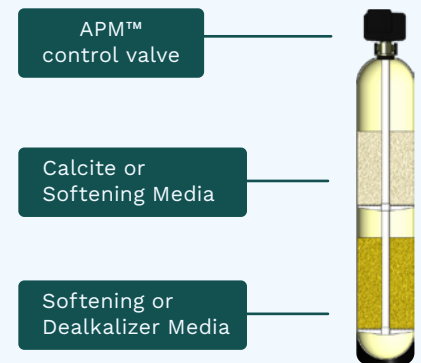
Primary components

STS-300 / STS-400 (pH-only Systems)



Primary components

STS-300+ / STS-400+ (Combo Systems)





NitraMAX

Water Softening and Filtration Systems



Whole-house effective treatment of:

- ◆ Nitrate/nitrite*
- ◆ Water hardness
- ◆ Iron**
- ◆ Sulfate*
- ◆ Perchlorate*

Features

- ◆ Natural, maintenance-free softening & nitrate removal to below 10ppm*
- ◆ Insulated tank design to eliminate condensation
- ◆ Postage pre-paid test bottles for the first year (included)
- ◆ Exclusive 5 year APM™ warranty
- ◆ “LS” models for nitrate only (no softening)

Nitrates are a worrisome contaminant. Usually the result of agricultural pollution (from fertilizers and animal waste), they can lead to serious health conditions, including “Blue Baby Syndrome” and potentially, cancer.

* Based on manufacturer’s internal testing

** High iron concentrations may require additional equipment

*** See official warranty for details



NM-75 and NM-125 are certified by IAPMO R&T against NSF/ANSI 44, NSF/ANSI/CAN 61, and NSF/ANSI/CAN 372

Performance Data Sheet

These units are certified by IAPMO R&T to NSF-44 standards

NitraMAX Water Softening and Filtration Systems

Specifications	Softening + Nitrate		Nitrate-Only	
	NM-75	NM-125	NM-150-LS	NM-250-LS
MFG Rated Service Flow Rate (gpm) ¹	5	8	8	12
Pressure Drop at MFG Rated Service Flow Rate (psi)	4.0	7.1	9	15
Backwash Rate (gpm)	1.7	3.0	0.8	1.2
Softening Media (cu ft)	0.75	1.25	N/A	N/A
Nitrate Media (cu ft)	0.75	1.25	1.3	2.3
Maximum Combined Nitrate and Sulfate (Raw Water ppm)	100	100	100	100
Maximum Hardness (Raw Water Grains Per Gallon)	N/A	N/A	3	3
Standard Softening Capacity (grains) ²	19,415	32,359	N/A	N/A
Standard Capacity Salt Setting (lbs)	7.5	12.5	N/A	N/A
Maximum Nitrate Capacity (grains) ²	7,500	12,500	13,000	23,000
Maximum Softening Capacity (grains) ³	31,367	39,208	N/A	N/A
Maximum Iron Capacity (ppm)	2	2	0	0
Mineral Tank Dimensions (in)	10 x 54	13 x 54	10 x 54	13 x 54
Brine Tank Dimensions (in)	18 x 33	18 x 33	18 x 33	18 x 33
Brine Tank Salt Capacity (lbs)	300	300	300	300
Overall Height (in)	62	62	62	62
Inlet / Outlet Pipe Size (in) ⁴	1	1	1	1
Inlet / Outlet Height (to Center) (in)	56	56	56	56
Pipe Centers (in)	2	2	2	2
Regeneration Frequency	Metered/ 7 days	Metered/ 7 days	Metered/ 7 days	Metered/ 7 days
Drain Tubing Size (od)	5/8	5/8	5/8	5/8
Approx. Shipping Weight (lbs)	125	190	105	170

¹Maximum recommended flow rate for optimal Nitrate/Nitrite removal efficiency per manufacturer's internal testing only.

²The capacity rating is based on a salt setting of 10 lbs/cu ft. This setting is not certified by IAPMO R&T against NSF44 and the claim is coming from manufacturer's internal testing only.

³The capacity rating is based on a salt setting of 15 lbs/cu ft. This setting is not certified by IAPMO R&T against NSF44 and the claim is coming from manufacturer's internal testing only.

⁴Standard unit features 1" NPTF connection. Other connection configurations are available. Contact WCC for additional information.

*System operation pressure is 20 psi minimum and 100 psi maximum

*System operating temperature is 40°F minimum and 110°F maximum

*Contact WCC for a system recommendation if your water contains less than 7 gpg hardness and more than 50 ppm Nitrate + Sulfate combined.

NOTE:

- This equipment is not intended to be used for treating water that is microbiologically unsafe or of unknown quality without disinfection before or after the system.
- This system and installation must comply with local and state laws and regulations.
- The system conforms to NSF/ANSI 44 for the specific performance claims as Verified and substantiated by test data.

* WCC recommends the use of clean, pellet salt.

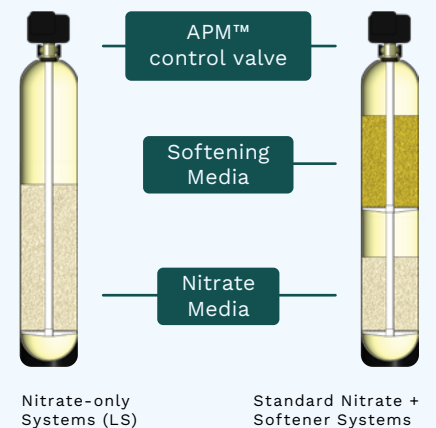
* See official warranty for details.



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



Primary components



Nitrate is a regulated contaminant and can cause illness or death. It is critical to test water no less than 2x per year (bi-annually) to ensure proper system operation. WCC offers this testing/verification for a small fee. Details are available at <https://watercontrolinc.com/nitramax-nitrate-removal/> or in the system operation and maintenance manual. (first 2 test bottles included with system.)



Northwoods®

Water Softening System



Light, seasonal use for effective treatment of:

- ◆ Water hardness
- ◆ Iron*

Features

- ◆ Perfect size for cabin, marine, and condo use
- ◆ Electronic control module
- ◆ Metered regeneration for precise salt efficiency
- ◆ Exclusive 3 year APM™ warranty
- ◆ 5 year tank warranty

Hardness, often comprised of calcium and magnesium (along with iron), is commonly found in both public and private water systems. Left untreated, these minerals can disrupt laundering and bathing, while causing significant scale build up in fixtures, appliances, and plumbing systems.

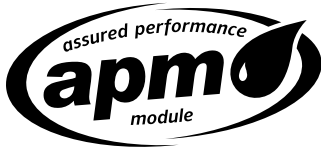
* High iron concentrations may require additional equipment

** See official warranty for details



B12 is certified by IAPMO R&T against NSF/ANSI/CAN 61 and 372 for material safety and lead free requirement only

Northwoods® Water Softening System



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



How it works

BrassMaster water softeners utilize the “ion exchange” process to remove undesirable hardness minerals. Incoming water passes through a bed of cation resin, where hardness is exchanged for very tiny amounts of sodium. Periodically, after a specified amount of hardness has been exchanged, a salt solution is used to “regenerate” the resin bed. Captured hardness minerals, along with excess salt solution, are sent to drain. This leaves behind a recharged bed of resin, ready again for service.

Northwoods® series softeners offer the most compact softening solution in the marketplace. The “cabinet” design provides two tanks (media and brine) in one, and is easily removable for facility winterization.

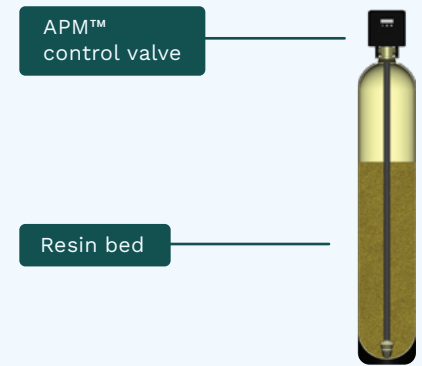
NOTE:
*WCC recommends the use of clean pellet salt

Specifications	B12
Softening Capacity (grains) ¹	9,500
Lbs Salt / Regeneration	5
Max Flow Rate (gpm)	10
Backwash Rate (gpm)	1.7
Brine Tank Salt Capacity (lbs)	40
Iron Capacity (ppm)	1
Mineral Tank Dimensions (in)	9 x 18
Brine Tank Dimensions (L x W x H) (in)	21 x 14 x 18
Overall Height (in)	27
Inlet / Outlet Pipe Size (in)	1
Pipe Centers (in)	2
Approx. Shipping Weight (lbs)	45

¹The capacity rating is based on a salt setting of 10 lbs/cu. ft. This setting is not certified by IAPMO R&T against NSF44 and the claim is coming from manufacturer's internal testing only.

- *System operating pressure is 20 psi minimum and 100 psi maximum
- *System operating temperature is 40°F and minimum and 110°F maximum
- *This equipment is not intended to be used for treating water that is microbiologically unsafe or of unknown quality without disinfection before or after the system.
- *This system and installation must comply with local and state laws and regulations.

Primary components



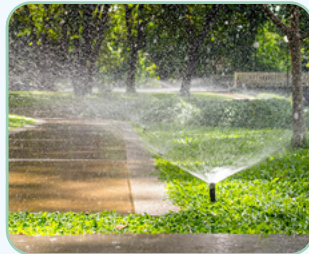


TurfMaster®

Water Filtration System



Iron removal for irrigation systems



Features

- ◆ Prevention of destructive iron staining on structures and concrete
- ◆ Low-maintenance
- ◆ No chemicals - regeneration with water and air
- ◆ Optional control system to activate filtration only for stain-sensitive zones
- ◆ Exclusive 5 year APM™ warranty for quick and inexpensive repair

Iron in irrigation water causes unsightly staining of structures and concrete. TurfMaster® filtration systems are designed to remove this iron naturally, without any need for expensive or undesirable chemicals. When integrated into common irrigation controllers, filtration can be programmed only to occur when sensitive zones are active, maximizing overall capacity and equipment life.

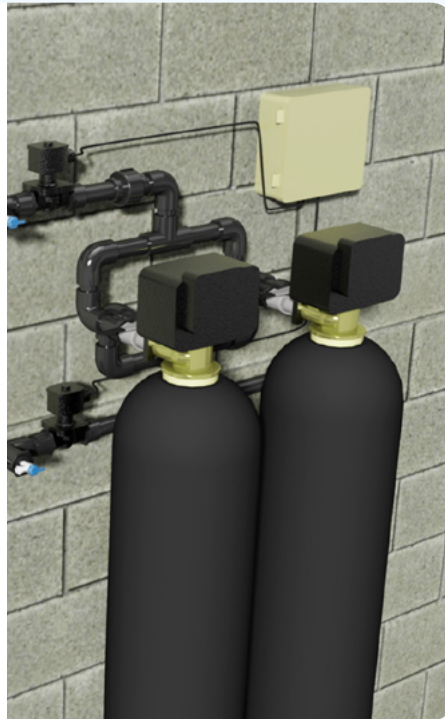
*See official warranty for details



TurfMaster® Water Filtration System

Extend your system's capabilities

For increased iron removal capacity and GPM flow rate, manifold multiple units together in parallel.



How it works

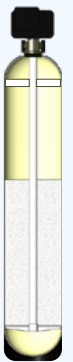
TurfMaster® systems come in two different sizes, with the option to manifold multiple units for higher flow rates and removal capacities. Water is first exposed to an internal air pocket, oxidizing dissolved iron, manganese, and sulfur out of the solution. A special filtration media then captures these offensive particles, producing clean, non-staining, odorless water. Every 1-3 days, the system backwashes these particles to drain and recharges the tank and media with oxygen.

Primary components

APM™ control valve

Air pocket

High Efficiency Oxidization Media



Specifications	TM-100	TM-200
Media (total cu ft)	1	2
Max Flow Rate (gpm @ 15 psid)	10	12
Max Iron Level (ppm) ¹	10	17
Removal Capacity (gal @ 6 ppm Iron)	420	840
Backwash Rate (gpm)	5	7
Inlet / Outlet Pipe Size (in)	1	1
Accessories Kit Connection Size (in)	1	1
Mineral Tank Dimensions (in)	10 x 54	13 x 54
Overall Height (in)	64	64
Filter Inlet / Outlet Center Height (in)	55 ¾	55 ¾
Pipe Centers (in)	2	2
Drain Tubing Size (OD) (in)	5/8	5/8
Optional Bypass Valve Voltage (VAC)	24	24
Approx Shipping Weight (lbs) (including accessories kit)	115	170

¹Based on a feedwater quality of pH ≥7.8, no organics, no manganese, & no H2S

*Irrigation controller must have master valve (by zone) control or individual zone valve relays for integration with WCC control module.

**A standard 120V power supply (outlet) is required for each system. An additional standard 120V power supply (outlet) is required if the TM-KIT is used.

*** For integration with irrigation controller (optional), order TM-KIT

Basic System

- ◆ TurfMaster® filter unit with 1" bypass connections (NPTF)

Optional TM-KIT

- ◆ Control panel for integration into irrigation system
- ◆ 2x motorized valves with 1" connections
- ◆ 2x check valves (1")
- ◆ 2x sample port assemblies with 1" tees

Contractor to assemble and pipe system on-site



DAKOTAHO

Residential Water Softening Systems

Water softening made easy

DAKOTAHO Series water softeners are built to last by Water Control Corporation, a leader in residential and commercial water treatment technologies.

Features

- ◆ Digital, programmable valves
- ◆ High flow capacities
- ◆ Standard 1" pipe connections
- ◆ 3 year valve warranty*
- ◆ 5 year tank warranty*

*See official warranty for details.



DS24-WC, DS32-WC, DST24-WL, DST24-WX, DST32-WL, DST32-WX, DST48-WL, and DST60-WL are certified by IAPMO R&T against NSF/ANSI 44 and NSF/ANSI/CAN 372

Performance Data Sheet

These units are certified by IAPMO R&T to NSF-44 standards, including optional salt and water efficiency standards



NOTE:

This equipment is not intended to be used for treating water that is microbiologically unsafe or of unknown quality without disinfection before or after the system.

This system and installation must comply with local and state laws and regulations.

Efficiency rated water softeners shall have a rated salt efficiency of not less than 3,350 grains of total hardness exchange per pound of salt (based on NaCl equivalency) (477g of total hardness exchange per kilogram of salt) and shall not deliver more salt or be operated at a sustained maximum service flow rate greater than its listed rating.

Efficiency is measured by a laboratory test described in NSF/ANSI 44; that the test represents the maximum possible efficiency the system can achieve; that operational efficiency is the actual efficiency achieved after the system has been installed; and that operational efficiency is typically less than the efficiency due to individual application factors including water hardness, water usage, and other contaminants that reduce the softener's capacity.

Efficiency rated water softener is a DIR softener, which also complies with specific performance specifications intended to minimize the amount of regenerant brine and water used in its operation.

Specifications	Cabinet Models		Two-Tank Models					
	DS24-WC	DS32-WC	DST24-WL	DST24-WX	DST32-WL	DST32-WX	DST48-WL	DST60-WL
Max Flow Rate (gpm) ¹	8	9	12	13	13	14	14	18
Backwash Rate (gpm)	1.3	1.7	1.3	1.7	1.7	2.2	2.2	3.2
Cubic Feet of Media	0.60	0.75	0.75	0.75	1.00	1.00	1.50	2.00
Standard Capacity (grains)	15,532	19,415	19,415	19,415	25,887	25,887	38,830	51,773
Standard Capacity Salt Setting (lbs)	2.70	3.38	3.38	3.38	4.50	4.50	6.75	9.00
Maximum Capacity (grains) ²	18,820	23,525	23,525	23,525	31,367	31,367	47,050	62,734
Max Iron Capacity (ppm)	2	2	2	2	2	2	2	2
Mineral Tank Dimensions (in)	8 X 35	9 X 35	8 X 44	9 X 48	9 X 48	10 X 44	10 X 54	12 X 52
Brine Tank Dimensions (in)	14 X 20	14 X 20	18 X 33	18 X 33	18 X 33	18 X 33	18 X 33	18 X 33
Brine Tank Salt Capacity (lbs)	200	200	300	300	300	300	300	300
Overall Height (in)	44	44	52	56	56	52	62	60
Inlet / Outlet Pipe Size (in) ³	1	1	1	1	1	1	1	1
Inlet / Outlet Height (To Center) (in)	39	39	46.5	50.5	50.5	46.5	56.5	54.5
Pipe Centers (in)	3	3	3	3	3	3	3	3
Approx. Shipping Weight (lbs)	61	67	69	71	84	84	114	144

¹Flow rate at 15 psid

²The capacity rating is based on a salt setting of 15 lbs/cu. ft. This setting is not certified by IAPMO R&T against NSF/ANSI 44 and the claim is coming from manufacturer's internal testing only. This setting does not meet salt or water efficiency requirements as defined by NSF/ANSI 44.

³Standard unit features 1" NPTM connection. Other connection configurations are available. Contact WCC for additional information.

* System operating pressure is 20 psi minimum and 100 psi maximum.

* System operating temperature is 40°F minimum and 110°F maximum.

* WCC recommends the use of clean pellet salt



PS-5

Reverse Osmosis Drinking Water System



PS-5 has been tested and certified by WQA according to NSF/ANSI Standard 58 for the reduction of Lead, Pentavalent Arsenic, Cysts, Fluoride, and TDS. Refer to Product Datasheet for additional performance reduction claims.

Features

- ◆ Clean, safe, great tasting water
- ◆ Compact and simple design
- ◆ Easy maintenance
- ◆ Eco-friendly performance

Green by design

The PS-5 uses the latest in system design and membrane technology to reduce the amount of reject water sent down the drain by 50%. This represents a significant water savings: over 800 gallons per year for the average family.

Easy to maintain

Yearly maintenance is quick and easy. Simply remove the cover and replace the main cartridge – no complicated plumbing connections, no tools required. The in-line post-filter utilizes quick-connect fittings for fast replacement.



14" L x 8.5" W x 16" H

Water is our most precious resource

It is also a critical component to good physical health. Elements like chlorine, lead, and copper are often present in even the best household water systems. You can ensure that your family is drinking only the purest, most refreshing water right from the tap in your home with the installation of a PS-5 drinking water system. The PS-5 gives you bottled-water quality, while eliminating the high cost and inconvenience of store bought products.

How it works

Main Cartridge: Stages 1-4

- Stage 1 20-micron sediment pre-filter
- Stage 2 Granular activated carbon (GAC) pre-filter
- Stage 3 High-flow, thin-film composite reverse osmosis membrane
- Stage 4 Granular activated carbon (GAC) post-filter

Inline Cartridge: Stage 5

- Stage 5 Granular activated carbon (GAC) polishing filter between the tank and faucet



Avg Daily Production: 12.4 Gallons
(may be increased with additional storage)



Models Available

- ◆ PS-5
Includes standard chrome airgap faucet.
- ◆ PS-5-LF
RO unit only. Does not include faucet.*
- ◆ PS-5-10
Includes standard chrome airgap faucet and additional 10 gallon storage tank.
- ◆ PS-5-10-LF
RO unit and additional 10 gallon storage tank. Does not include faucet*
- ◆ PS-5-20
Includes standard chrome airgap faucet and additional 20 gallon storage tank.
- ◆ PS-5-20-LF
RO unit and additional 20 gallon storage tank. Does not include faucet*

Optional Accessories

- ◆ Purified water booster pump P/N PS5502-IDN2-V77D-C
- ◆ Purified water calcite remineralization filter (inline w/ Quick Connect fittings) P/N 255546-43

*Note: Only model PS-5 (with standard faucet) has been tested and certified by WQA according to NSF/ANSI standard 58 for the contaminant reductions listed in Product Datasheet.

WHRO-700

Whole-House All-in-One Reverse Osmosis System

Features

- ◆ Compact and simple design
- ◆ Low maintenance
- ◆ Eco-friendly performance
- ◆ Delivery of safe, clean water for your entire building
- ◆ Perfect fit for home, restaurant and light commercial - - city and well water applications

Efficient by design

The WHRO-700 contains patented filter membranes, which use the basic pressure provided by a city or well supply and, in most instances, do not require a water softener for pre-treatment. The membranes last 2-3 years and remove approximately 90% of dissolved solids, at a ratio of only 1 – 1.3 gallons of waste for every gallon of production.



Water is our most precious resource

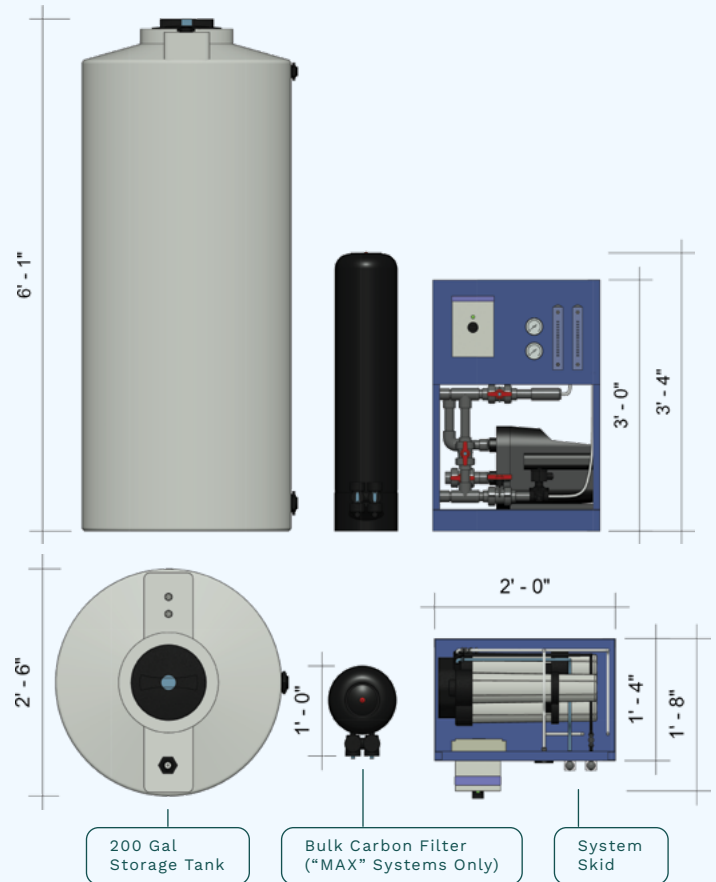
We use it for drinking, cooking, bathing, washing, and much more. Sometimes, our water can be problematic. Both city water and well water can contain minerals, microorganisms, heavy metals, radioactive substances, and industrial pollutants. This can be harmful to our health and detrimental to our plumbing systems (causing scaling of fixtures/valves, water heater failure, etc.). Occasionally, basic water softeners and filters are not enough to solve these problems. In these difficult situations, whole-house reverse osmosis (RO) is the best option. Whole-House RO removes nearly ALL of the contaminants from the water and provides bottled water quality to an entire home or business.

Technical features

- ◆ Line pressure RO module (2 membranes)
- ◆ Flow meters, pressure gauges, and system recovery (permeate) valve
- ◆ Tank float and shutoff valve
- ◆ Ozone generator for tank sanitization
- ◆ Efficient, variable speed/constant pressure delivery pump¹
- ◆ 200 gallon storage tank with FDA and NSF-61 certification
- ◆ No additional softening or filtration needed for most installations
- ◆ Bulk carbon filter with 18 month chloramine or 54 month chlorine removal²

¹Pump has programmable output pressure and contains integral pump tank (no additional bladder tank required)

²"MAX" Systems only



WHRO-700 Standard and "MAX" systems specifications	
TDS Rejection (Avg.)	90%
Clean Water Production (Avg.)	700 gallons per day
System Storage	200 gallons
System Recovery (Typ.)	33% to 50%
On-Board Pre-Filter Life (Typ.)	6 months
9"x40" Carbon Filter Life (Typ.)	18 months (chloramine), 54 months (chlorine) ³
System Footprint (Tank)	30"D x 73"H
System Footprint (Skid)	24"L x 23"W x 36"H
RO Membrane Life (Typ)	2-3 years
Maximum Hardness (Inlet)	25 GPG (427.5 mg/L)
TDS Range (Inlet)	150 mg/L to 1,500 mg/L ⁴
Maximum Iron (Inlet)	0.3 mg/L
Maximum Manganese (Inlet)	0.1 mg/L
Maximum Inlet Pressure	90 PSI
Minimum Inlet Pressure	45 PSI

³"MAX" Systems only

⁴Low inlet TDS may require additional re-mineralization filter on system outlet (contact WCC)

Which system is best for you?			
Well Water:	WHRO-700		
City Water (Chlorine):	WHRO-700 or WHRO-700-MAX		
City Water (Chloramine):	WHRO-700-MAX		
Typical % contaminant removal			
Sediment	100.0%	Herbicides/Pesticides	100.0%
Cysts: Giardia/ Cryptosporidium	100.0%	Total Dissolved Solids (TDS)	89.7%
Hardness (as CaCO3)	98.0%	Nitrate/Nitrite	78.4%
Sodium	92.0%	Barium	98.3%
Chloride	94.0%	Chromium III & VI	98.8%
Lead	97.0%	Fluoride	93.7%
Hydrogen Sulfide (H2S)	75.0%	Mercury	85.0%
Arsenic V	94.6%	Radium 226/228	80.0%
Silica	99.0%	Uranium	80.0%
Pump performance			
Flow rate (GPM)	15	10	5
Pressure (PSI)	30	48	60

RO Faucets

Drinking Water Faucets for Filtered Water

Pure refreshment with style

Add a touch of style to your Pure Simplicity drinking water system with a designer tap. All faucets feature the latest designs, optional air gap assemblies, and a wide array of popular finishes.

Features

- ◆ Retrofits most brands
- ◆ Smooth operating ceramic disk cartridge
- ◆ Lever style handle
- ◆ High-reach neck design of 12"
- ◆ Neck easily swivels 360°
- ◆ Unique protective spout tip prevents after drip
- ◆ Patented modular air gap
- ◆ Base diameter is 2¼"
- ◆ Preinstalled tubing for quick connections
- ◆ Mounting hardware included
- ◆ NSF listed to ANSI NSF Std. 61-1999a
- ◆ Two-year warranty



RO Faucets

Drinking Water Faucets
for Filtered Water



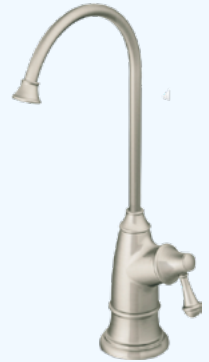
1020587
Contemporary Series
Polished Chrome



1019299
Designer Series
Polished Chrome



1020889
Contemporary Series
Satin Nickel



1019301
Designer Series
Satin Nickel



1019311
Designer Series
Antique Bronze



1026576
Contemporary Series
Matte Black



1026577
Designer Series
Matte Black



1020894
Contemporary Series
Polished Black



1019307
Designer Series
Polished Black



1024293
Designer Series
Venetian Bronze



1020896
Contemporary Series
Brushed Stainless



1020518
Designer Series
Brushed Stainless

Note: Spout reach is approximately 5" (127mm) high. Faucet is 12" (305mm) high. Preinstalled 1/4" inlet tubing. Pressure rating is 125 PSI / 8.3 BAR. Flow rate is 1.0 gpm / 3.785 lpm at 35 PSI / 2.32 BAR. Temperature rating is 40°F / 4°C to 150°F / 166°C.

Need Advanced Solutions to Your Water Problems?

WCC can help design a custom treatment system, using the very latest technologies.

Some of our solutions include:



Cartridge Filters

For the removal of sediment, bacteria, chemicals, taste, odor, and more.



Ultrafiltration Systems

For the removal of sediment, bacteria, viruses, microorganisms, and large organics.



UV Disinfection

Ultraviolet light for the inactivation of bacteria, viruses, and microorganisms.



Ozone Injection

O³ gas for the oxidation of heavy metals, bacteria, viruses, microorganisms, chemicals, organic compounds, and taste/odor causing contaminants.



Chemical Injection

Chemical disinfectants (including chlorine and hydrogen peroxide) for the removal of heavy metals, bacteria, viruses, and microorganisms. Additionally, chemical agents for pH correction, anti-scale, and anti-corrosion.

We're ready to help
with expert advice

Reach us at:
www.watercontrol.com
1-866-405-1268



watercontrolinc.com
7150 143rd Ave NW
Ramsey, MN 55303

Questions? Reach us at

1-866-405-1268