

ProFlow

Product Catalog

2017 Texas Edition

Fractional
Brining
Version 4.2

We Make Your Water Better
www.proflowater.com





	ProFlow Basic	ProFlow Deluxe	ProFlow Enhanced
Soap Efficiency Improvement	✓	✓	✓
Hard Water Scale Control	✓	✓	✓
Water Heater Protection	✓	✓	✓
Dishwasher Protection	✓	✓	✓
Laundry Protection	✓	✓	✓
Heavy Metal Control		✓	✓
Iron & Rust Control		✓	✓
Sediment Control		✓	✓
Radon Control		✓	✓
Chlorine Taste & Odor Control		✓	✓
Addresses Tannins and Lignins			✓
Addresses Fluoride			✓
Addresses Sulfates			✓
No Slimy Feel			✓
Touch Screen Control			✓
Integrated Bacteriostatic Media			✓
Extended-Life Resin Media		✓	✓
UpFlow Cleaning Efficiency	✓	✓	✓
Differential Brining Software	✓	✓	✓
On-Demand Metered Technology	✓	✓	✓
Anti-Bacterial Rinse	✓	✓	✓
High Flow Design	✓	✓	✓
Integrated ProGuard Dispenser	✓	✓	✓
High Capacity Brine Tank	✓	✓	✓
Space-Saving Design	✓	✓	✓
Made in the USA	✓	✓	✓

Water for your home

Over two-thirds of the earth's surface is covered by water, but less than 0.3% of the earth's total water supply is actually usable by humans. The demand on water supplies is growing exponentially. Clearly, understanding and using scarce water resources wisely is vital. Our very survival as a species depends on it.

Severe drought conditions, weather anomalies, and overpopulation have made things worse than ever before. Governments around the world, at all levels are investing hundreds of billions of dollars to improve infrastructure and water quality standards. Before your water gets to your glass, your bath or business, it travels a tortuous path through the environment. As nature's strongest solvent, water dissolves a little bit of everything it touches, allowing many organic and inorganic pollutants to mix with the water.

Minerals and impurities in water have created a "hard water" epidemic that along with other waterborne health hazards such as chlorine (a widely recognized carcinogen), is increasingly headline news.

Hard water slowly destroys everything it touches. Left untreated, hard water costs you money, ruins your lifestyle and can even lower the value of your home.

Even very low levels of hardness and other inorganic metals and minerals can react with soaps and detergents to form a gummy, insoluble curd that will cling stubbornly to everything it touches.

The ring around your bathtub is soap curd. That same curd causes your hair to become dull and hard to manage. Soap curd clogs the pores of your skin and prevents your natural oils from moisturizing your skin. This dryness can cause itching and even aggravate skin conditions like psoriasis, eczema and acne.

Soap curd is especially noticeable by the scummy film that it forms on dishes, glassware, walls and floors.

Hardness and other dissolved solids combine to form the residue you see as spots on glasses, crockery, cutlery and shower enclosures.

Laundry washed in hard water takes on a gray color and wears out faster than expected. With hard water in your washing machine, it's almost impossible to wash clothes white - even when you use large amounts of detergent and bleach.

Minerals and insoluble particles in tap water can trap dirt & soap curd in the fabric of your clothes and linens. In addition to giving whites a dull, gray "washed-out" look and making the fibers rough & brittle, this inorganic sludge can create a breeding ground for bacteria. Your clothes and linens then feel harsh & rough, deteriorating much faster.

"Hardness, inorganic metals, and minerals are found in more than 85% of waters in the United States"

ProFlow

*By choosing a ProFlow System
you'll bring commercial-grade
quality and reliability home*



www.proflowater.com

Water for your business

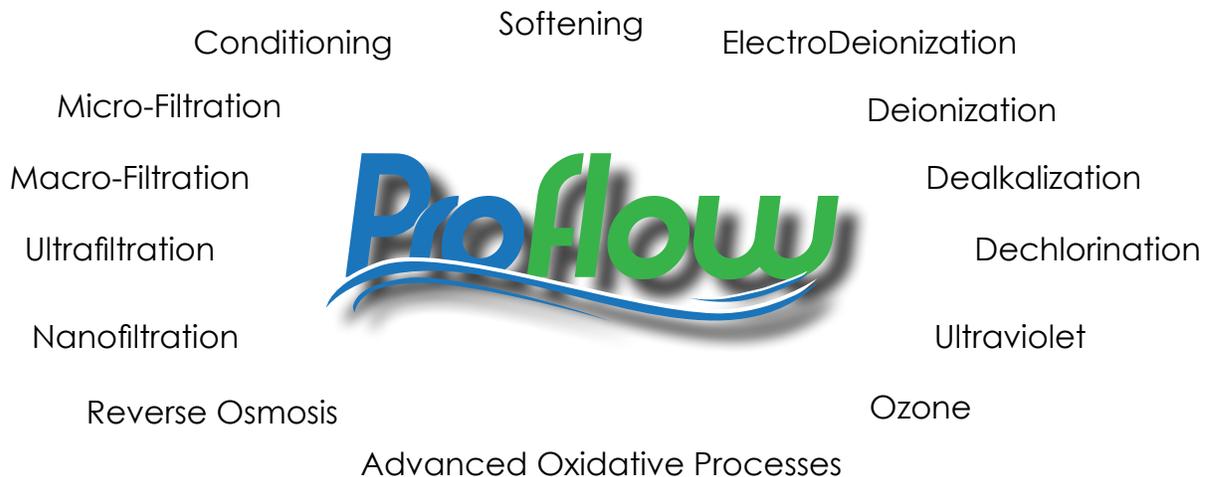
Regardless of your industry, water quality will have a dramatic effect on it.

Every day, thousands of businesses worldwide rely on our extraordinary people, products, processes, services and consulting expertise to bring them the water quality that they deserve.

When you install a ProFlow softener, it will:

- Reduce housekeeping and maintenance labor costs
- Reduce costly plumbing repairs
- Reduce damage to ice machines, dishwashers, and other appliances
- Prolong the life of water heaters and boilers
- Reduce heating energy requirements
- Extend the life of linens and other textiles
- Make soaps and detergents more effective
- Make disinfection and sanitization easier
- Provide sparkling silverware and glassware
- Lighten your employee workload

The ProFlow family doesn't just include water softeners, we also provide standard and customized solutions for pipe sizes from 1/8" to 6 inch.



“Hardness, inorganic metals, and minerals are found in more than 85% of waters in the United States”

www.proflowwater.com

ProFlow

ProFlow Systems are trusted
worldwide to make business and
industry work better



www.proflowwater.com

Why Choose a ProFlow System?

Taking control of water quality is one of the most important decisions you can make. ProFlow Systems are simply the smartest choice because:

High Water Hardness: The harder your water is the larger a system must be to remove contaminants effectively. If a system is too large it will waste water and salt while potentially allowing your system to be contaminated with bacteria. If a system is too small, it will fail to process all the hardness from the water and potentially impede water flow. ProFlow systems work well, even at extremely high hardness levels and water flow rates.

Extreme Water Temperatures: Although cold water tastes good, it is not good for water softening, conditioning or filtration equipment; it can reduce system operating capacity by as much as 60%. Undersized systems will have a much greater chance of failing when the influent water is cold. Elevated water temperatures present their own set of problems like promoting bacterial growth, interfering with backwash flow efficacy and even increasing corrosion in certain cases. ProFlow systems are specifically designed to function properly at the unique water temperatures in each region where they are sold.

Chlorine & Chloramine: Most ion-exchange based water softening, conditioning and filtration media will degrade at a minimum average rate of 5% - 10% per year (attrition) due to chlorine alone. Our proprietary media has a much slower chlorine attrition rate than traditional softening resins.

Iron & Heavy Metals: Even after leaving the city plant meeting or exceeding EPA minimum standards, your water can absorb and collect contaminants such as copper, zinc, lead, rust, and manganese before it reaches your home. These are sometimes potentially harmful to humans, but they are always harmful to your water system unless it is specifically designed to properly address these threats. ProFlow systems are designed to address a broad spectrum of metallic challenges.

Fluctuating Water Chemistry: Hardness and heavy metal levels will fluctuate over time, causing inconsistent water quality and forcing regular systems to use excessive amounts of salt to clean themselves. 9100TSi technology solves that problem - delivering a virtually unlimited supply of good water while saving on salt and water.

Heterotrophic Plate Count Bacteria (HPC's): Your city produces water that is free of bacteria and safe to consume. HPC's can live in piping, water meters, fittings and regulating valves. While HPC's are benign they can be a home for pathogenic bacteria. HPC's can grow and colonize in a water system in as little as four days; even with chlorine or chloramine in the water. Our systems are specifically designed to use ProGuard or ProGuard Plus as well as regenerating appropriately to minimize this risk and keep your water clean.

Why Choose a ProFlow Professional?

Effective water quality management depends on so much more than just a well-designed and expertly-crafted system. The effectiveness and longevity of your water quality management solution also depends on the professionals who will assist you...

ProFlow Water Quality Management Solutions are only available from authorized professionals.

Your local ProFlow certified water treatment professional knows how to make the most of the unique advantages engineered into every ProFlow system, as well as how to size, select, and maintain it properly:

- **Installation Expertise** – A ProFlow Professional will make sure that your system is installed correctly and safely, to ensure that it reliably delivers every ounce of performance possible
- **Local Water Knowledge** – Your local ProFlow professional knows and understands the water problems common to your area, which empowers them to recommend the most effective, efficient and affordable system every time.
- **Industry Experts** – ProFlow water quality solutions are not just products, they are backed by over 100 years of industry-leading experience. Our advisory board includes a hand-picked team of experts spanning all facets of the water treatment technology spectrum who provide design input as well as innovative impetus to ensure that ProFlow products are the very best.
- **Pentair Pride** – By partnering with the global water treatment industry leader, you can rest assured that your ProFlow system incorporates components manufactured to the very highest standards.
- **Unmatched Technology** – While utilizing Pentair's industry-leading drivetrain, our experts have developed unique hardware and software enhancements to ensure that cutting-edge industry philosophies are used to provide you with the very best water.
- **Relentless Customer Service** – ProFlow Professionals are dedicated to improving water quality worldwide. When you choose a ProFlow Professional to assist in managing your water quality, you are choosing an industry professional who is committed to solving your problems and making you happy.

There is a real satisfaction in knowing that your water quality is being managed efficiently, effectively, and economically.

The best way to get that assurance is to choose industry-leading ProFlow products, and to back them up with the solid support and sound advice of your local ProFlow Professional.



www.proflowwater.com



ProFlow

Commercial Water Softeners

ProFlow 5800

The ProFlow 5800 series of Commercial Water Softeners are suitable for applications up to 135,000 grains of hardness reduction capacity at peak flow rates of up to 27 gpm.

Operation of the Softener

Hard water contains dissolved minerals in the form of Calcium (Ca), Magnesium (Mg), Iron (Fe), Copper (Cu) & Zinc (Zn). Reduction of these contaminants is accomplished by softening the water through an ion exchange process. As water flows through the mineral tank, the dissolved minerals become attached onto and inside the resin. Over a period of time the resin will become saturated with contaminants, and the softener will require regeneration using a sodium or potassium brine solution.

Softening Media - AquaPro 500-1 Hybrid

The exchange media is a high quality, FDA certified, commercial grade strong acid (Cation) Functional Matrix resin with a very high whole bead count, no color throw, physically hard, and is moderately chlorine resistant. The media combines high operating capacity with excellent chemical and physical stability for a long dependable life.

Controller/Meter

Regeneration of the system is initiated by a simplified digital controller, which electronically meters softened water flow and makes decisions to regenerate based on water consumption and program settings. Salt dosage is controlled fractionally to maximize efficiency.

Regeneration

These softener models are controlled electronically. A fully programmable microprocessor controls Tank Fill, Percolation, Ion Exchange, Backwash, Rapid Rinse and return to service cycles.

Control Valve

A hydraulically balanced, Teflon coated piston slides effortlessly through seals & spacers. All parts in the water-way are either Teflon coated brass or composite Noryl® materials for a long and reliable service life.

Resin Tank

All softener models feature a non-corrosive fiberglass tank, with a one piece thermoplastic inner liner. The tank has a maximum working pressure of 90 psi and a working temperature up to 120°F. The tank is approved by NSF, UL, FDA, and meets WQA Standard S-100. All fiberglass tanks carry a limited lifetime warranty.

Brine Tank

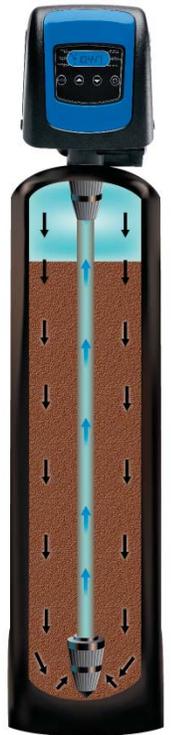
A high capacity brine tank is included as part of the system. The brine tank is a combination brine maker and salt storage vessel and is made of tough, high-density polyethylene. Larger tanks are available for extra salt storage capacity, if required.

Brine System

Brine refill is automatically controlled by the computer to provide the exact amount of brine for each regeneration. The Brine System has a float and safety valve shut-off, which minimizes the chance of overflowing the brine tank. All units are equipped with an air check.

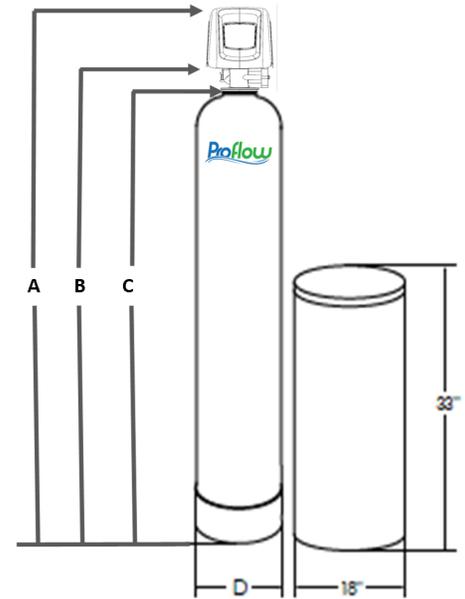
ProGuard & ProGuard Plus

A ProGuard reservoir is included with this system to ensure peak performance and maximum protection from inorganic metals and minerals while maximizing system efficiency.



Commercial Water Softener

ProFlow 5800 SXTi



	PF-58L-35	PF-58L-50	PF-58L-72	PF-58L-96	PF-58L-130
Maximum Capacity (Grains-CaCo3)	35,000	50,000	72,000	100,000	135,000
Economy Capacity (Grains-CaCo3)	26,400	39,600	52,800	79,200	103,000
Salt used per Cleaning (Max)	15	22	30	48	60
Salt used per Cleaning (Economy)	8	12	16	24	32
Peak Flow Rate (gpm) @ 75psi inlet, 25psi drop	21	22	23	25	27
Water Pressure Range (psi)	45-75	45-75	45-75	45-75	45-75
Maximum Inlet Pipe Size	1"	1"	1"	1"	1"
Dimension A - overall system height	52.5"	55.5"	68"	63"	73"
Dimension B - system piping height	48"	51"	64"	59"	69"
Dimension C - height of mineral tank	44"	47"	60"	55"	66"
Dimension D - system tank diameter	8"	10"	10"	13"	14"

ProFlow Basic

The ProFlow Basic series of Commercial Water Softeners are suitable for applications up to 135,000 grains of hardness reduction capacity at peak flow rates of up to 34 gpm.

Operation of the Softener

Hard water contains dissolved minerals in the form of Calcium (Ca), Magnesium (Mg), Iron (Fe), Copper (Cu) & Zinc (Zn). Reduction of these contaminants is accomplished by softening the water through an ion exchange process. As water flows through the mineral tank, the dissolved minerals become attached onto and inside the resin. Over a period of time the resin will become saturated with contaminants, and the softener will require regeneration using a sodium or potassium brine solution.

Softening Media - AquaPro 500-1 Hybrid

The exchange media is a high quality, FDA certified, commercial grade strong acid (Cation) Functional Matrix resin with a very high whole bead count, no color throw, physically hard, and is moderately chlorine resistant. The media combines high operating capacity with excellent chemical and physical stability for a long dependable life.

Controller/Meter

Regeneration of the system is initiated by a simplified digital controller, which electronically meters softened water flow and makes decisions to regenerate based on water consumption and program settings. Salt dosage is controlled fractionally to maximize efficiency.

Regeneration

These softener models are controlled electronically. A fully programmable microprocessor controls Tank Fill, Percolation, Ion Exchange, Backwash, Rapid Rinse and return to service cycles.

Control Valve

A hydraulically balanced, Teflon coated piston slides effortlessly through seals & spacers. All parts in the waterway are either Teflon coated brass or composite Noryl® materials for a long and reliable service life.

Resin Tank

All softener models feature a non-corrosive fiberglass tank, with a one piece thermoplastic inner liner. The tank has a maximum working pressure of 90 psi and a working temperature up to 120°F. The tank is approved by NSF, UL, FDA, and meets WQA Standard S-100. All fiberglass tanks carry a limited lifetime warranty.

Brine Tank

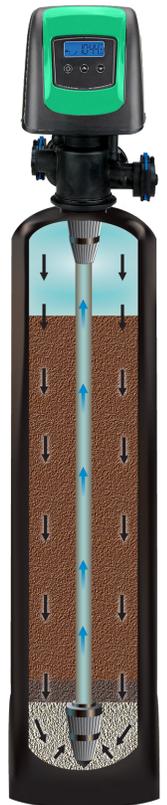
A high capacity brine tank is included as part of the system. The brine tank is a combination brine maker and salt storage vessel and is made of tough, high-density polyethylene. Larger tanks are available for extra salt storage capacity, if required.

Brine System

Brine refill is automatically controlled by the computer to provide the exact amount of brine for each regeneration. The Brine System has a float and safety valve shut-off, which minimizes the chance of overflowing the brine tank. All units are equipped with an air check.

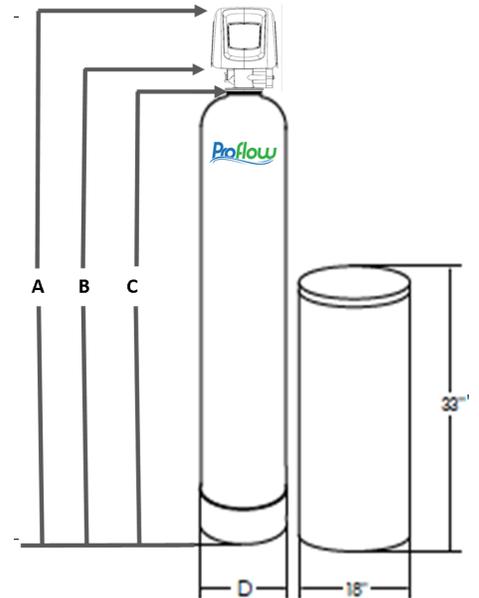
ProGuard & ProGuard Plus

A ProGuard reservoir is included with this system to ensure peak performance and maximum protection from inorganic metals and minerals while maximizing system efficiency.



Commercial Water Softener

ProFlow 5810 SXTi



ProFlow Basic

	PF-B-35	PF-B-50	PF-B-72	PF-B-100	PF-B-135
Maximum Capacity (Grains-CaCo3)	35,000	50,000	72,000	100,000	135,000
Economy Capacity (Grains-CaCo3)	26,400	39,600	52,800	79,200	105,600
Salt used per Cleaning (Max)	15	22	30	48	60
Salt used per Cleaning (Economy)	8	12	16	24	35
Peak Flow Rate (gpm) @ 75psi inlet, 25psi drop	25	33	34	34	34
Water Pressure Range (psi)	45-75	45-75	45-75	45-75	45-75
Maximum Inlet Pipe Size	1.25"	1.25"	1.25"	1.5"	1.5"
Dimension A - overall system height	52.5"	55.5"	68"	63"	75"
Dimension B - system piping height	48"	51"	64"	59"	70.5"
Dimension C - height of mineral tank	44"	47"	60"	55"	66"
Dimension D - system tank diameter	8"	10"	10"	13"	14"

ProFlow Deluxe

The ProFlow Deluxe series Commercial Water Softeners are suitable for applications up to 150,000 grains of hardness reduction capacity at peak flow rates of up to 40 gpm.

Operation of the Softener

Hard water contains dissolved minerals and metals in the form of Calcium (Ca), Magnesium (Mg), Iron (Fe), Copper (Cu) & Zinc (Zn). Reduction of these contaminants is accomplished by softening the water through an ion exchange process. As water flows through the mineral tank, the contaminants become attached onto and inside the resin. Over a period of time, the resin will become saturated with contaminants, and the softener will require regeneration using a sodium or potassium brine solution.

Softening Media - AquaPro 500-2 Hybrid

The exchange media is a high quality, FDA certified, commercial grade strong acid hybrid (Cation) Functional Matrix resin with a very high whole bead count, no color throw, physically hard, and is moderately chlorine resistant. Hybrid media is engineered to encompass all the attributes of 500-1 softening media and leverage all functions of 500-2 Conditioning media when working together with ProGuard or ProGuard Plus. The media combines high operating capacity with excellent chemical and physical stability for a long dependable life. An NSF-approved clarifying media is included to provide crystal-clear water. Food-grade gravel under-bedding ensures uniform flow, minimal pressure drop, and excellent performance.

Controller/Meter

Regeneration of the system is initiated by a simplified digital control, which electronically meters softened water flow and makes decisions to regenerate based on water consumption and program settings. Salt dosage is controlled fractionally to maximize efficiency.

Regeneration

These softener models are controlled electronically. A fully programmable microprocessor controls Tank Fill, Percolation, Ion Exchange, Double Backwash, Rapid Rinse and return to service cycles.

Control Valve

A hydraulically balanced, Teflon coated piston slides effortlessly through seals & spacers. All parts in the water-way are either Teflon coated brass or composite Noryl® materials for a long and reliable service life.

Resin Tank

All softener models feature a non-corrosive fiberglass tank, with a one piece thermoplastic inner liner. The tank has a maximum working pressure of 90 psi and a working temperature up to 120°F. The tank is approved by NSF, UL, FDA, and meets WQA Standard S-100. All fiberglass tanks carry a limited lifetime warranty.

Brine Tank

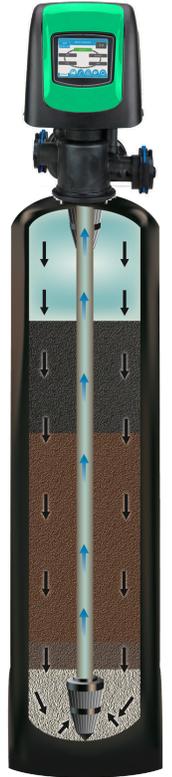
A high capacity brine tank is included as part of the system. The brine tank is a combination brine maker and salt storage vessel and is made of tough, high-density polyethylene. Larger tanks are available for extra salt storage capacity, if required. Brine tanks 24" diameter and smaller feature a grid plate for maximum saturation of brine.

Brine System

Brine refill is automatically controlled by the computer to provide the exact amount of brine for each regeneration. The Brine System has a float and safety valve shut-off, which minimizes the chance of overflowing the brine tank. All units are equipped with an air check.

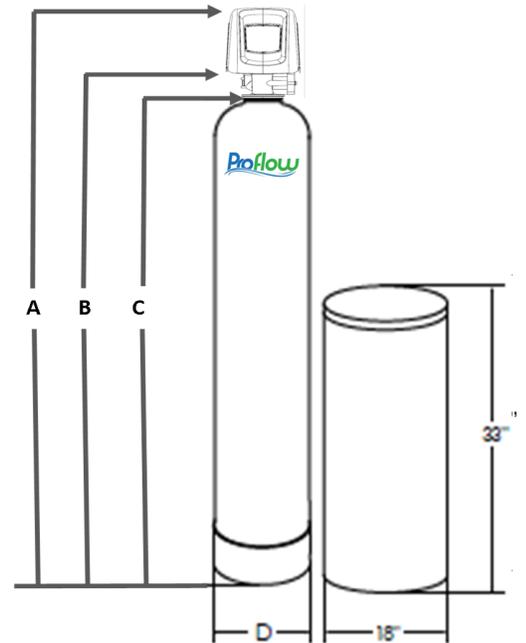
ProGuard & ProGuard Plus

A ProGuard reservoir is included with this system to ensure peak performance and maximum protection from inorganic metals and minerals while maximizing system efficiency.



Commercial Water Softener

ProFlow 5810 XTR2i



ProFlow Deluxe

	PF-D-35	PF-D-50	PF-D-72	PF-D-100	PF-D-135
Maximum Capacity (Grains-CaCo3)	35,000	50,000	72,000	100,000	135,000
Economy Capacity (Grains-CaCo3)	26,400	39,600	52,800	79,200	105,600
Salt used per Cleaning (Max)	15	22	30	48	60
Salt used per Cleaning (Economy)	8	12	16	24	35
Peak Flow Rate (gpm) @ 75psi inlet, 25psi drop	25	33	35	38	40
Water Pressure Range (psi)	45-75	45-75	45-75	45-75	45-75
Maximum Inlet Pipe Size	1.25"	1.25"	1.25"	1.5"	1.5"
Dimension A - overall system height	52.5"	55.5"	68"	63"	75"
Dimension B - system piping height	48"	51"	64"	59"	70.5"
Dimension C - height of mineral tank	44"	47"	60"	55"	66"
Dimension D - system tank diameter	8"	10"	10"	13"	14"

ProFlow Twin Analyst

The ProFlow Twin Analyst series of Commercial Water Softeners are suitable for applications up to 400,000 grains of hardness reduction capacity at peak flow rates of up to 24 gpm.

Operation of the Softener

Hard water contains dissolved minerals in the form of Calcium (Ca), Magnesium (Mg), Iron (Fe), Copper (Cu) & Zinc (Zn). Reduction of these contaminants is accomplished through an ion exchange process. As water flows through the mineral tank, ions attach onto and inside the resin. Over time the resin will become saturated with contaminants, and the softener will require regeneration using a sodium or potassium brine solution.

Softening Media - AquaPro 500-2

Exchange media is a high quality, FDA certified, commercial grade strong acid cation Functional Matrix resin with a very high whole bead count, no color throw, physically hard, and is moderately chlorine resistant. The media combines high operating capacity with excellent chemical and physical stability for a long dependable life.

Controller/Meter

Regeneration of the system is initiated by a simplified electronic control timer, which electronically meters softened water flow and makes decisions to regenerate based on water consumption and program settings. Four gold-plated sensors constantly monitor the resin media status, providing feedback to the controller to initiate a regeneration and make configuration changes.

Regeneration

A fully programmable microprocessor controls Tank Alternation, Upflow Ion Exchange, Backwash, Rapid Rinse, Tank Fill, and return to service cycles. A Deep Cleaning Cycle is executed periodically to save water and enhance longevity.

Control Valve

Two hydraulically balanced, Teflon coated pistons utilize a composite drivetrain. All parts in the waterway are either Teflon-coated brass or composite Noryl® materials for a long and reliable service life.

Resin Tanks

All softener models feature two non-corrosive fiberglass tanks, with unibody thermoplastic inner liners. Each tank has a maximum working pressure of 90 psi and a working temperature up to 120°F. Each tank is approved by NSF, UL, FDA, and meets WQA Standard S-100. All fiberglass tanks carry a limited lifetime warranty.

Brine Tank

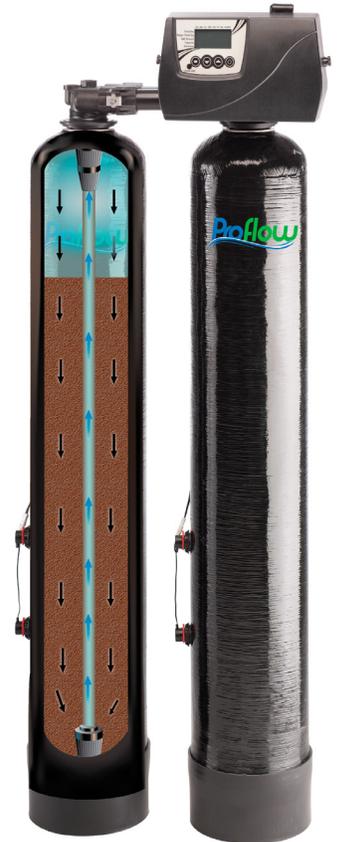
A high capacity brine tank is included as part of the system. The brine tank is a combination brine maker and salt storage vessel and is made of tough, high-density polyethylene. Larger tanks are available for extra salt storage capacity, if required.

Brine System

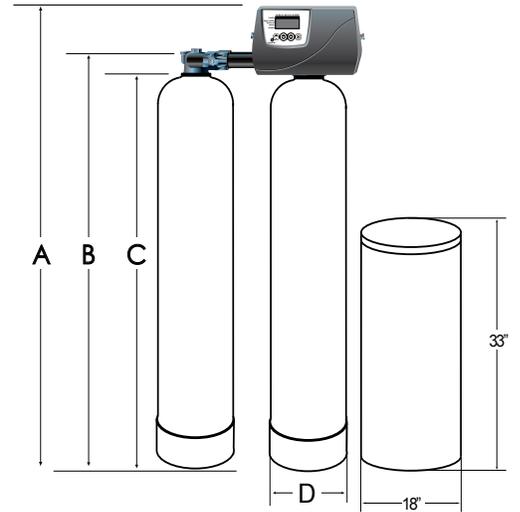
Brine refill is automatically controlled by the computer to provide the exact amount of brine for each regeneration. The Brine System has a float and safety valve shut-off, which minimizes the chance of overflowing the brine tank. All units are equipped with an air check.

ProGuard & ProGuard Plus

A ProGuard reservoir is included with this system to ensure peak performance and maximum protection from bacteria, inorganic metals and minerals while maximizing system efficiency.



Commercial Water Softener



ProFlow Twin Analyst

	PF-TWIN-1	PF-TWIN-2
Maximum 24-hour Operational Capacity (Grains-CaCo3)	160,000	350,000
Maximum Tank Capacity (Grains-CaCo3)	32,000	64,000
Economy Tank Capacity (Grains-CaCo3)	20,600	41,200
Salt used per Cleaning (Max)	15	30
Salt used per Cleaning (Economy)	5	10
Peak Flow Rate (gpm) @ 75psi inlet, 25psi drop	21	24
Water Pressure Range (psi)	45-75	45-75
Maximum Inlet Pipe Size	1"	1"
Dimension A - overall system height	51"	61"
Dimension B - system piping height	46.25"	56.25"
Dimension C - height of mineral tank	44"	54"
Dimension D - system tank diameter	8"	10"



ProFlow Twin 9100

The ProFlow Twin 9100 series of Commercial Water Softeners are suitable for applications up to 256,000 grains of hardness reduction capacity at peak flow rates of up to 25 gpm.

Operation of the Softener

Hard water contains dissolved minerals in the form of Calcium (Ca), Magnesium (Mg), Iron (Fe), Copper (Cu) & Zinc (Zn). Reduction of these contaminants is accomplished through an ion exchange process. As water flows through the mineral tank, ions attach onto and inside the resin. Over time the resin will become saturated with contaminants, and the softener will require regeneration using a sodium or potassium brine solution.

Softening Media - AquaPro 500-2

Exchange media is a high quality, FDA certified, commercial grade strong acid cation Functional Matrix resin with a very high whole bead count, no color throw, physically hard, and is moderately chlorine resistant. The media combines high operating capacity with excellent chemical and physical stability for a long dependable life.

Controller/Meter

Regeneration of the system is initiated by a simplified electronic control timer, which electronically meters softened water flow and makes decisions to regenerate based on water consumption and program settings.

Regeneration

A fully programmable microprocessor controls Tank Alternation, Upflow Ion Exchange, Backwash, Rapid Rinse, Tank Fill, and return to service cycles.

Control Valve

Two hydraulically balanced, Teflon coated pistons utilize a composite drivetrain. All parts in the waterway are either Teflon-coated brass or composite Noryl® materials for a long and reliable service life.

Resin Tanks

All softener models feature two non-corrosive fiberglass tanks, with unibody thermoplastic inner liners. Each tank has a maximum working pressure of 90 psi and a working temperature up to 120°F. Each tank is approved by NSF, UL, FDA, and meets WQA Standard S-100. All fiberglass tanks carry a limited lifetime warranty.

Brine Tank

A high capacity brine tank is included as part of the system. The brine tank is a combination brine maker and salt storage vessel and is made of tough, high-density polyethylene. Larger tanks are available for extra salt storage capacity, if required.

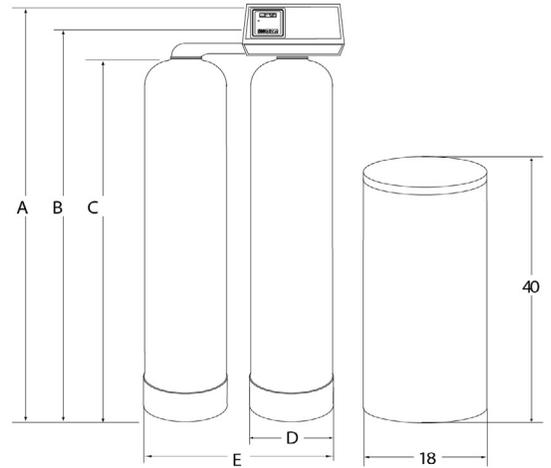
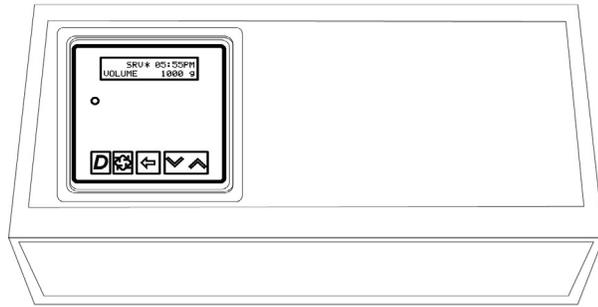
Brine System

Brine refill is automatically controlled by the computer to provide the exact amount of brine for each regeneration. The Brine System has a float and safety valve shut-off, which minimizes the chance of overflowing the brine tank. All units are equipped with an air check.

ProGuard & ProGuard Plus

A ProGuard reservoir is included with this system to ensure peak performance and maximum protection from bacteria, inorganic metals and minerals while maximizing system efficiency.

Commercial Water Softener



ProFlow Twin 9100 Upflow

	PF91075U	PF91100U	PF91150U	PF91200U	PF91250U	PF91300U	PF91400U
Max. Capacity/tank	24,000	32,000	48,000	64,000	80,000	96,000	128,000
Peak Flow Rate	13 gpm	15 gpm	16 gpm	17 gpm	18 gpm	21 gpm	25 gpm
Inlet Pipe Size	1"	1"	1"	1"	1"	1"	1"
Tank Diameter	8"	9"	10"	12"	13"	14"	16"
Overall Width	50"	52"	54"	58"	60"	62"	66"
Overall Height	51"	55"	54"	61"	63"	73"	73"
Shipping Weight	165 lbs.	230 lbs.	305 lbs.	380 lbs.	450 lbs.	520 lbs.	673 lbs.

ProFlow Twin 9100 Downflow

	PF91075D	PF91100D	PF91150D	PF91200D	PF91250D	PF91300D	PF91400D
Max. Capacity/tank	24,000	32,000	48,000	64,000	80,000	96,000	128,000
Peak Flow Rate	12 gpm	14 gpm	15 gpm	16 gpm	18 gpm	20 gpm	24 gpm
Inlet Pipe Size	1"	1"	1"	1"	1"	1"	1"
Tank Diameter	8"	9"	10"	12"	13"	14"	16"
Overall Width	50"	52"	54"	58"	60"	62"	66"
Overall Height	51"	55"	54"	61"	63"	73"	73"
Shipping Weight	165 lbs.	230 lbs.	305 lbs.	380 lbs.	450 lbs.	520 lbs.	673 lbs.

ProFlow Twin 9500

The ProFlow Twin Analyst series of Commercial Water Softeners are suitable for applications up to 400,000 grains of hardness reduction capacity at peak flow rates of up to 50 gpm.

Operation of the Softener

Hard water contains dissolved minerals in the form of Calcium (Ca), Magnesium (Mg), Iron (Fe), Copper (Cu) & Zinc (Zn). Reduction of these contaminants is accomplished through an ion exchange process. As water flows through the mineral tank, ions attach onto and inside the resin. Over time the resin will become saturated with contaminants, and the softener will require regeneration using a sodium or potassium brine solution.

Softening Media - AquaPro 500-2

Exchange media is a high quality, FDA certified, commercial grade strong acid cation Functional Matrix resin with a very high whole bead count, no color throw, physically hard, and is moderately chlorine resistant. The media combines high operating capacity with excellent chemical and physical stability for a long dependable life.

Controller/Meter

Regeneration of the system is initiated by a simplified electronic control timer, which electronically meters softened water flow and makes decisions to regenerate based on water consumption and program settings.

Regeneration

A fully programmable microprocessor controls Tank Alternation, Upflow Ion Exchange, Backwash, Rapid Rinse, Tank Fill, and return to service cycles.

Control Valve

Two hydraulically balanced, Teflon coated pistons utilize a composite drivetrain within a lead-free brass body. All moving parts in the waterway are either Teflon-coated brass or composite Noryl® materials for a long and reliable service life.

Resin Tanks

All softener models feature two non-corrosive fiberglass tanks, with one piece thermoplastic inner liners. Each tank has a maximum working pressure of 90 psi and a working temperature up to 120°F. Each tank is approved by NSF, UL, FDA, and meets WQA Standard S-100. All fiberglass tanks carry a limited lifetime warranty.

Brine Tank

A high capacity brine tank is included as part of the system. The brine tank is a combination brine maker and salt storage vessel and is made of tough, high-density polyethylene. Larger tanks are available for extra salt storage capacity, if required.

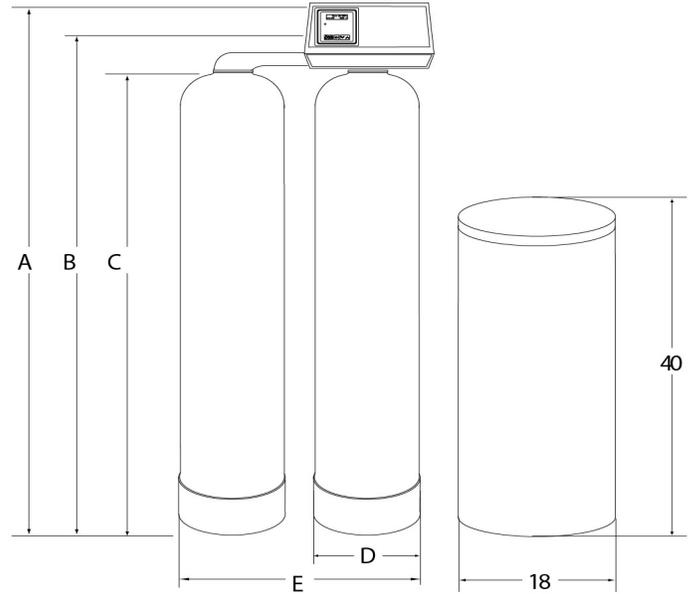
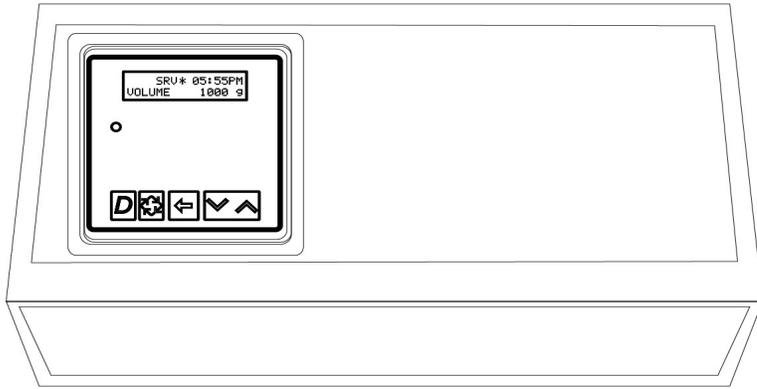
Brine System

Brine refill is automatically controlled by the computer to provide the exact amount of brine for each regeneration. The Brine System has a float and safety valve shut-off, which minimizes the chance of overflowing the brine tank. All units are equipped with an air check.

ProGuard & ProGuard Plus

A ProGuard reservoir is included with this system to ensure peak performance and maximum protection from bacteria, inorganic metals and minerals while maximizing system efficiency.

Commercial Water Softener



ProFlow Twin 9500 Downflow

	PF95250	PF95300	PF95400	PF95500	PF95700	PF95100
Max. Capacity/tank	80,000	96,000	128,000	175,000	224,000	320,000
Peak Flow Rate	22gpm	22gpm	28gpm	34gpm	36gpm	50gpm
Inlet Pipe Size	1.5"	1.5"	1.5"	1.5"	1.5"	1.5"
Tank Diameter	13"	14"	16"	18"	21"	24"
Overall Width	62"	64"	68"	72"	84"	96"
Overall Height	61"	72"	72"	75"	75"	82"
Shipping Weight	500 lbs.	530 lbs.	670 lbs.	804 lbs.	1075 lbs.	1490 lbs.

ProFlow 2850

The ProFlow 2850 series Commercial Water Softeners are suitable for applications up to 300,000 grains of hardness reduction capacity at peak flow rates of up to 66 gpm.

Operation of the Softener

Hard water contains dissolved minerals and metals in the form of Calcium (Ca), Magnesium (Mg), Iron (Fe), Copper (Cu) & Zinc (Zn). Reduction of these contaminants is accomplished by softening the water through an ion exchange process. As water flows through the mineral tank, the contaminants become attached onto and inside the resin. Over a period of time, the resin will become saturated with contaminants, and the softener will require regeneration using a sodium or potassium brine solution.

Softening Media - AquaPro 500-2 Hybrid

The exchange media is a high quality, FDA certified, commercial grade strong acid hybrid (Cation) Functional Matrix resin with a very high whole bead count, no color throw, physically hard, and is moderately chlorine resistant. Hybrid media is engineered to encompass all the attributes of 500-1 softening media and leverage all functions of 500-2 conditioning media when working together with ProGuard or ProGuard Plus. The media combines high operating capacity with excellent chemical and physical stability for a long dependable life. An NSF-approved clarifying media is included to provide crystal-clear water. Food-grade gravel under-bedding ensures uniform flow, minimal pressure drop, and uniform performance.

Controller/Meter

Regeneration of the system is initiated by a simplified digital control, which electronically meters softened water flow and makes decisions to regenerate based on water consumption and program settings. Salt dosage is controlled fractionally to maximize efficiency.

Regeneration

These softener models are controlled electronically. A fully programmable microprocessor controls Backwash, Ion Exchange, Rapid Rinse, Tank Refill and return to service cycles.

Control Valve

A hydraulically balanced, Teflon coated piston utilizes a composite drivetrain within a lead-free brass body. All moving parts in the waterway are either Teflon-coated brass or composite Noryl® materials for a long and reliable service life.

Resin Tank

All softener models feature a non-corrosive fiberglass tank, with a one piece thermoplastic inner liner. The tank has a maximum working pressure of 90 psi and a working temperature up to 120°F. The tank is approved by NSF, UL, FDA, and meets WQA Standard S-100. All fiberglass tanks carry a limited lifetime warranty.

Brine Tank

A high capacity brine tank is included as part of the system. The brine tank is a combination brine maker and salt storage vessel and is made of tough, high-density polyethylene. Larger tanks are available for extra salt storage capacity, if required. Brine tanks 24" diameter and smaller feature a grid plate for maximum saturation of brine.

Brine System

Brine refill is automatically controlled by the computer to provide the exact amount of brine for each regeneration. The Brine System has a float and safety valve shut-off, which minimizes the chance of overflowing the brine tank. All units are equipped with an air check.

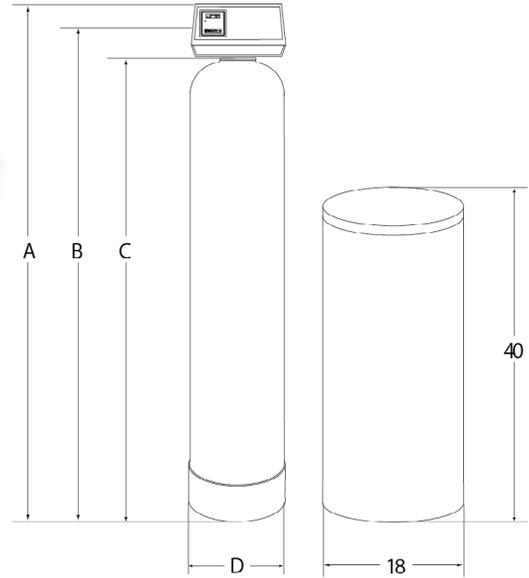
ProGuard & ProGuard Plus

A ProGuard reservoir is included with this system to ensure peak performance and maximum protection from inorganic metals and minerals while maximizing system efficiency.

Commercial Water Softener



**Fractional
Brining
Version 4.2**



ProFlow 2850

	PF28020	PF28025	PF28030	PF29040	PF28050	PF28070	PF28100
Maximum Capacity (KGr)	62	75	90	120	150	210	300
Economy Capacity (KGr)	48	60	76	96	120	168	240
Salt used per Regen (lbs)(Maximum)	30	37	45	60	75	105	150
Salt used per Regen (lbs)(Economy)	20	25	30	40	50	70	100
Peak Flow Rate (gpm) @75psi inlet, 25psi drop	32	35	40	42	55	60	66
Water Pressure Range (psi)	30- 90	30- 90	30- 90	30- 90	30- 90	30- 90	30- 90
Inlet/Outlet Size (In. OD)	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Backwash Flow (gpm)	3	4	5	7	10	12	15
Mineral Tank Size (In. OD)	12 x 52	13 x 54	14 x 65	16 x 65	18 x 65	21 x 62	24 x 72
Brine Tank Size (In. OD)	18 x 40	18 x 40	24 x 54				
Space Required L x W x H	41 x 18 x 65	42 x 24 x 75	44 x 24 x 75	46 x 24 x 78	49 x 24 x 74	58 x 30 x 81	73 x 39 x 88
Shipping Weight (lbs)	395	400	420	440	558	725	1055

ProFlow 2900

The ProFlow 2900 series Commercial Water Softeners are suitable for applications up to 660,000 grains of hardness reduction capacity at peak flow rates of up to 140 gpm per tank.

Operation of the Softener

Hard water contains dissolved minerals and metals in the form of Calcium (Ca), Magnesium (Mg), Iron (Fe), Copper (Cu) & Zinc (Zn). Reduction of these contaminants is accomplished by softening the water through an ion exchange process. As water flows through the mineral tank, the contaminants become attached onto and inside the resin. Over a period of time, the resin will become saturated with contaminants, and the softener will require regeneration using a sodium or potassium brine solution.

Softening Media - AquaPro 500-2 Hybrid

The exchange media is a high quality, FDA certified, commercial grade strong acid hybrid (Cation) Functional Matrix resin with a very high whole bead count, no color throw, physically hard, and is moderately chlorine resistant. Hybrid media is engineered to encompass all the attributes of 500-1 softening media and leverage all functions of 500-2 conditioning media when working together with ProGuard or ProGuard Plus. The media combines high operating capacity with excellent chemical and physical stability for a long dependable life. An NSF-approved clarifying media is included to provide crystal-clear water. Food-grade gravel under-bedding ensures uniform flow, minimal pressure drop, and uniform performance.

Controller/Meter

Regeneration of the system is initiated by a simplified digital control, which electronically meters softened water flow and makes decisions to regenerate based on water consumption and program settings. Salt dosage is controlled fractionally to maximize efficiency.

Regeneration

These softener models are controlled electronically. A fully programmable microprocessor controls Tank Fill, Percolation, Ion Exchange, Double Backwash, Rapid Rinse and return to service cycles. Cycle sequences will vary, based upon field-configuration.

Control Valve

Two hydraulically balanced, Teflon coated pistons slide effortlessly through chlorine-resistant seals & spacers. All moving parts in the waterway are either Teflon coated brass or composite Noryl® materials for a long and reliable service life.

Resin Tank

All softener models feature a non-corrosive fiberglass tank, with a one piece thermoplastic inner liner. The tank has a maximum working pressure of 90 psi and a working temperature up to 120°F. The tank is approved by NSF, UL, FDA, and meets WQA Standard S-100. All fiberglass tanks carry a limited lifetime warranty.

Brine Tank

A robust brine tank is included as part of the system. The brine tank is a combination brine maker and salt storage vessel and is made of tough, high-density polyethylene. Larger tanks are available for extra salt storage capacity, if required.

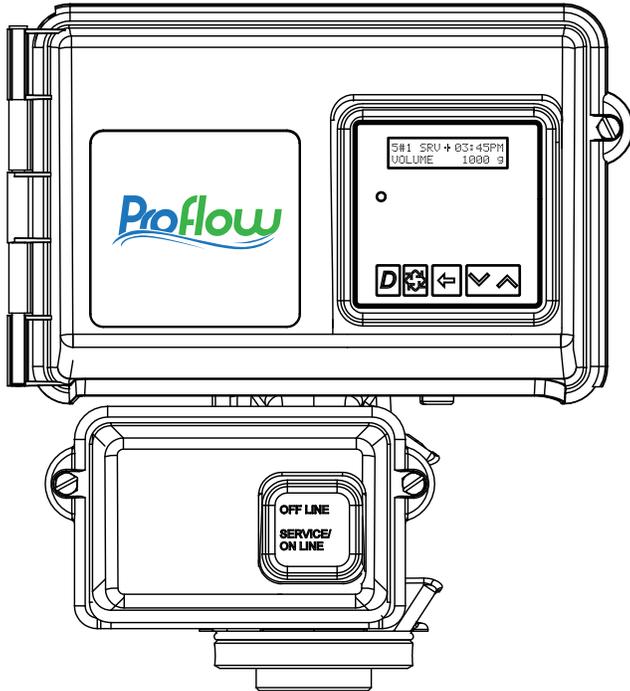
Brine System

Brine refill is automatically controlled by the computer to provide the exact amount of brine for each regeneration. The Brine System has a float and safety valve shut-off, which minimizes the chance of overflowing the brine tank. All units are equipped with an air check.

ProGuard & ProGuard Plus

A ProGuard reservoir is included with this system to ensure peak performance and maximum protection from inorganic metals and minerals while maximizing system efficiency.

Commercial Water Softener



ProFlow 2900 Softener



- Lead-Free Brass
- Two Pistons with Brine Valve
- Onboard Relay Options
- Disinfectant Coating
- No Hard Water Bypass
- Simplex, Series or Parallel Service
- Fractional Brining (Single Tank Models)
- Easily Network up to 4 Systems
- Field-Upgradeable Software

	PF29025	PF29030	PF29040	PF29050	PF29070	PF29100	PF29150	PF29220
Maximum Capacity (KGr)	80	96	120	150	210	300	450	660
Economy Capacity (KGr)	56	67	96	120	168	240	360	500
Salt used per Regen (lbs)(Maximum)	38	45	60	75	105	150	225	300
Salt used per Regen (lbs)(Economy)	25	30	40	50	70	100	150	200
Peak Flow Rate (gpm) @7.5psi Inlet, 2.5psi drop	40	50	60	65	80	100	135	140
Water Pressure Range (psi)	30- 90	30- 90	30- 90	30- 90	30- 90	30- 90	30- 90	30- 90
Inlet/Outlet Size (In. OD)	2	2	2	2	2	2	2	2
Backwash Flow (gpm)	3	5	7	10	12	15	25	35
Mineral Tank Size (In. OD)	13 x 54	14 x 65	16 x 65	18 x 65	21 x 62	24 x 72	30 x 72	36 x 72
Brine Tank Size (In. OD)	18 x 40	24 x 54	30 x 50	39 x 48				
Space Required L x W x H	41 x 18 x 65	42 x 24 x 75	44 x 24 x 75	46 x 24 x 78	49 x 24 x 74	58 x 30 x 81	73 x 39 x 88	82 x 42 x 95
Shipping Weight (lbs)	350	400	435	575	740	1125	1580	2115

ProFlow 3900

The ProFlow 3900 series Commercial Water Softeners are suitable for applications up to 1,200,000 grains of hardness reduction capacity at peak flow rates of up to 280 gpm per tank.

Operation of the Softener

Hard water contains dissolved minerals and metals in the form of Calcium (Ca), Magnesium (Mg), Iron (Fe), Copper (Cu) & Zinc (Zn). Reduction of these contaminants is accomplished by softening the water through an ion exchange process. As water flows through the mineral tank, the contaminants become attached onto and inside the resin. Over a period of time, the resin will become saturated with contaminants, and the softener will require regeneration using a sodium or potassium brine solution.

Softening Media - AquaPro 500-2 Hybrid

The exchange media is a high quality, FDA certified, commercial grade strong acid hybrid (Cation) Functional Matrix resin with a very high whole bead count, no color throw, physically hard, and is moderately chlorine resistant. Hybrid media is engineered to encompass all the attributes of 500-1 softening media and leverage all functions of 500-2 conditioning media when working together with ProGuard or ProGuard Plus. The media combines high operating capacity with excellent chemical and physical stability for a long dependable life. An NSF-approved clarifying media is included to provide crystal-clear water. Food-grade gravel under-bedding ensures uniform flow, minimal pressure drop, and uniform performance.

Controller/Meter

Regeneration of the system is initiated by a simplified digital control, which electronically meters softened water flow and makes decisions to regenerate based on water consumption and program settings. Salt dosage is controlled fractionally to maximize efficiency.

Regeneration

These softener models are controlled electronically. A fully programmable microprocessor controls Backwash, Ion Exchange, Rapid Rinse, Tank Fill, and return to service cycles. Cycle sequences will vary, based upon field-configuration.

Control Valve

Two hydraulically balanced, Teflon coated pistons slide effortlessly through chlorine-resistant seals & spacers. All moving parts in the waterway are either Teflon coated brass or composite Noryl® materials for a long and reliable service life.

Resin Tank

All softener models feature a non-corrosive fiberglass tank, with a one piece thermoplastic inner liner. The tank has a maximum working pressure of 90 psi and a working temperature up to 120°F. The tank is approved by NSF, UL, FDA, and meets WQA Standard S-100. All fiberglass tanks carry a limited lifetime warranty.

Brine Tank

A robust brine tank is included as part of the system. The brine tank is a combination brine maker and salt storage vessel and is made of tough, high-density polyethylene. Larger tanks are available for extra salt storage capacity, if required.

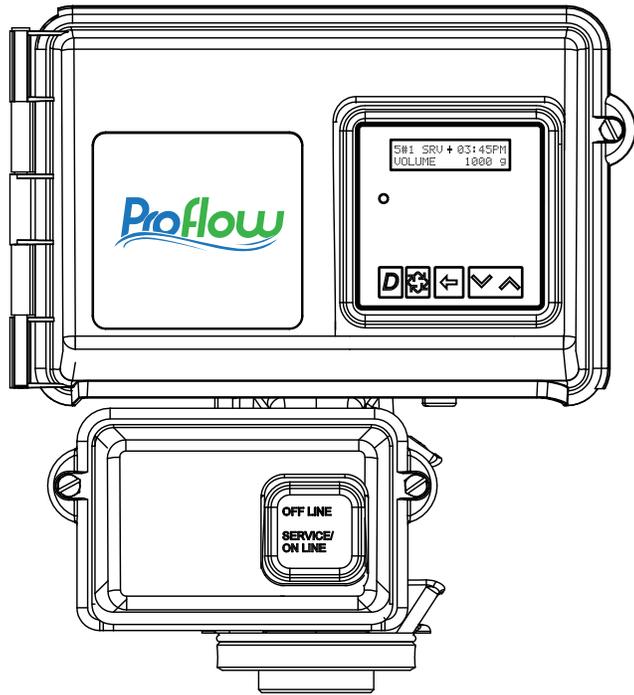
Brine System

Brine refill is automatically controlled by the computer to provide the exact amount of brine for each regeneration. The Brine System has a float and safety valve shut-off, which minimizes the chance of overflowing the brine tank. All units are equipped with an air check.

ProGuard & ProGuard Plus

A ProGuard reservoir is included with this system to ensure peak performance and maximum protection from inorganic metals and minerals while maximizing system efficiency.

Commercial Water Softener



ProFlow 3900 Softener

**Fractional
Brining
Version 4.2**

- Lead-Free Brass
- Two Pistons with Brine Valve
- Onboard Relay
- Disinfectant Coating
- No Hard Water Bypass
- Simplex, Series or Parallel Service
- Fractional Brining (Single Tank Models)
- Easily Network up to 4 Systems
- Field-Upgradeable Software

	PF39010	PF39015	PF39022	PF39030	PF39040
Maximum Capacity (KGr)	300	450	660	900	1,200
Economy Capacity (KGr)	240	360	480	720	960
Salt used per Regen (lbs)(Maximum)	150	225	300	450	600
Salt used per Regen (lbs)(Economy)	100	150	200	300	400
Peak Flow Rate (gpm) @75psi inlet, 25psi drop	170	210	250	270	280
Water Pressure Range (psi)	30- 90	30- 90	30- 90	30- 90	30- 90
Inlet/Outlet Size (In. OD)	3	3	3	3	3
Backwash Flow (gpm)	15	25	35	50	65
Mineral Tank Size (In. OD)	24 x 72	30 x 72	36 x 72	42 x 72	48 x 72
Brine Tank Size (In. OD)	24 x 54	30 x 50	39 x 48	50 x 60	50 x 60
Space Required L x W x H	58 x 30 x 92	73 x 39 x 96	78 x 40 x 98	96 x 50 x 101	102 x 50 x 106
Shipping Weight (lbs)	1250	1700	2250	3405	4300

www.proflowwater.com



ProFlow

Commercial Water Filtration Systems

ProFlow Basic Taste & Odor Filter

The ProFlow Basic T&O Water Filtration System is designed to address heavy metals, pesticides, herbicides, chlorine tastes & odors in microbiologically safe water at flow rates up to 20 gpm.

Operation of the Filtration System

Hard water can contain chemical pesticides and herbicides. Chlorine & Chloramine with their disinfectant byproducts can also be found lurking in safe city water. Reduction of these contaminants is accomplished by conditioning & filtering the water through a sophisticated process of catalysis, absorption, adsorption and physical filtration.

Media Tank

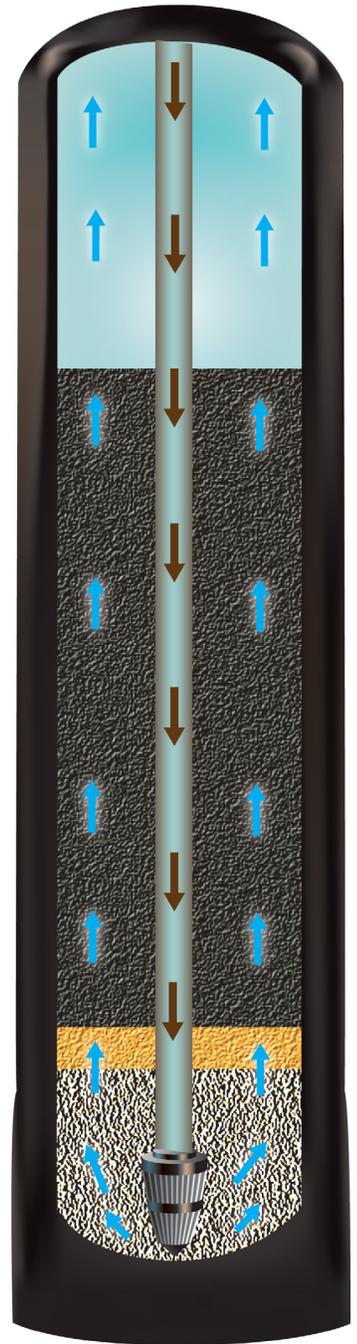
All filter models feature a non-corrosive fiberglass tank, with a one piece thermoplastic inner liner. The tank has a maximum working pressure of 90 psi and a working temperature up to 120°F. The tank is approved by NSF, UL, FDA, and meets WQA Standard S-100. All fiberglass tanks carry a limited lifetime warranty.

Filtration Media - ChlorZorb, and Catalytic Activator

ChlorZorb & the catalytic activator work together in synergy to effectively address chlorine, pesticides, herbicides, tastes, odors and disinfection by-products. Food-grade gravel under-bedding ensures uniform flow, minimal pressure drop, and consistent performance.

This filtration media blend is designed to address the following:

Aldehydes	1,1,1-Trichloro-2-Propanone
Bromodichloromethane	Heptachlor
Bromoform	Heptachlor Epoxide
Chlorine	Hexachlorobutadiene
Chlorobenzene	Hexachlorocyclopentadiene
Chloroform	Methoxychlor
Chlorodibromomethane	Pentachlorophenol
Haloacetonitriles (HAN)	1,1,2,2-Tetrachloroethane
Bromochloroacetonitrile	Tetrachloroethylene
Dibromoacetonitrile	Tribromoacetic Acid
Dichloroacetonitrile	1,1,1-Trichloroethane
Trichloroacetonitrile	1,1,2-Trichloroethane
Haloketones (HK)	Trichloroethylene
1,1-Dichloro-2-Propanone	Trihalomethanes (THMs)



This filtration system should only be installed on municipal water supplies known to be microbiologically safe and devoid of sediment.

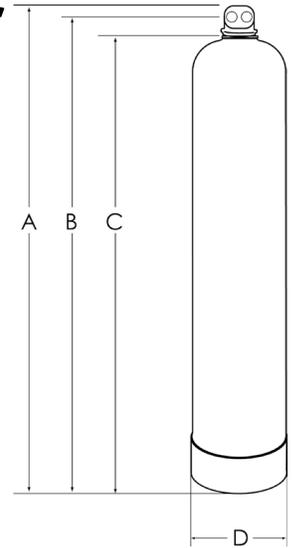
Commercial Water Filtration System

ProFlow Basic Taste & Odor Filter



Ideal for:

- Apartments
- Commercial Ice makers
- Condominiums
- Drinking Fountains
- Eyewash Stations
- Reverse Osmosis Pretreat
- Smaller Homes
- Soda Machines



	PF-TO-BSC-1.0	PF-TO-BSC-1.5	PF-TO-BSC-2.0
Maximum Chlorine Reduction - (Gal. @ 0.25ppm chlorine)	100,000	200,000	300,000
Maximum Chlorine Reduction - (Gal. @ 2.0ppm chlorine)	20,000	30,000	50,000
Absolute Filtration Size - (micron)	20	20	20
Maximum Influent Chlorine Level - (ppm)	2	3	4
Peak Flow Rate (gpm) @ 75psi inlet, 25psi drop	15	18	20
Water Pressure Range (psi)	45-75	45-75	45-75
Maximum Inlet Pipe Size	1"	1"	1"
Dimension A - overall system height	52"	64.5"	64.5"
Dimension B - system piping height	50.5"	63.5"	63.5"
Dimension C - height of mineral tank	47"	60"	60"
Dimension D - system tank diameter	10"	10"	10"

ProFlow Deluxe Taste & Odor Filter

The ProFlow Deluxe T&O Water Filtration System is designed to address heavy metals, pesticides, herbicides, chlorine tastes & odors in microbiologically safe water at flow rates up to 35 gpm.

Operation of the Filtration System

Hard water can contain chemical pesticides and herbicides. Chlorine & Chloramine with their disinfectant byproducts can also be found lurking in water. Reduction of these contaminants is accomplished by conditioning & filtering the water through a sophisticated process of catalysis, absorption, adsorption and physical filtration.

Controller/Meter

Cleaning of the system is initiated by a sophisticated electronic control timer, which electronically meters filtered water flow and makes decisions to clean based on measured water consumption, elapsed time, and other program settings.

Automatic Cleaning & Control Valve

A fully programmable microprocessor controls Backwash, Vortex Rinse, and return to service cycles, ensuring that the effluent water quality is according to specifications. A hydraulically balanced, self-cleaning piston utilizes a composite drivetrain and high-resolution optical encoder. All parts in the waterway are either Teflon-coated brass or composite Noryl® materials for a long and reliable service life.

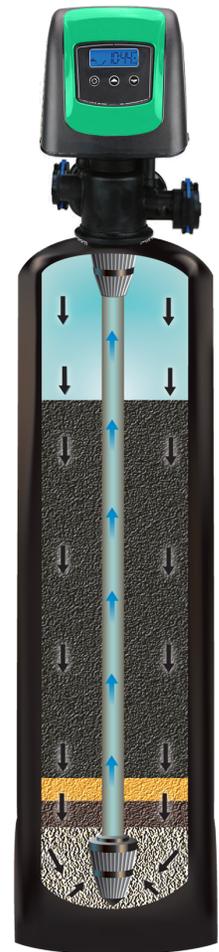
Media Tank

All filter models feature a non-corrosive fiberglass tank, with a one piece thermoplastic inner liner. The tank has a maximum working pressure of 90 psi and a working temperature up to 120°F. The tank is approved by NSF, UL, FDA, and meets WQA Standard S-100. All fiberglass tanks carry a limited lifetime warranty.

Filtration Media - ChlorZorb, Clarifier, and Catalytic Activator

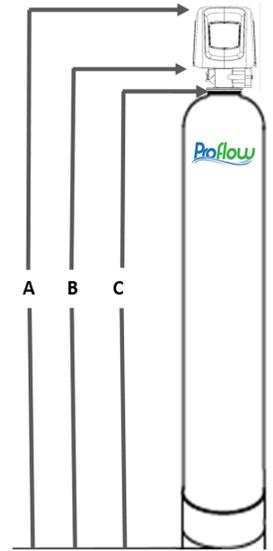
ChlorZorb & the catalytic activator work together in synergy to effectively address chlorine, chloramine, pesticides, herbicides, tastes, odors and disinfection by-products. The clarifying media ensure that all particles greater than 20 micron are removed from the water - leaving water crystal clear. Food-grade gravel under-bedding ensures uniform flow, minimal pressure drop, and consistent performance. This media combination is designed to address the following:

Aldehydes	Heptachlor
Bromodichloromethane	Heptachlor Epoxide
Bromoform	Hexachlorobutadiene
Chlorine	Hexachlorocyclopentadiene
Chlorobenzene	Metals
Chloroform	Methoxychlor
Chlorodibromomethane	Pentachlorophenol
Haloacetonitriles (HAN)	Simazine
Bromochloroacetonitrile	1,1,2,2-Tetrachloroethane
Dibromoacetonitrile	Tetrachloroethylene
Dichloroacetonitrile	Tribromoacetic Acid
Trichloroacetonitrile	1,1,1-Trichloroethane
Haloketones (HK)	1,1,2-Trichloroethane
1,1-Dichloro-2-Propanone	Trichloroethylene
1,1,1-Trichloro-2-Propanone	Trihalomethanes (THMs)



Commercial Water Filtration System

ProFlow 5810 XTR2i



ProFlow Deluxe Taste & Odor Filter

	PF-TO-DLX-1.0	PF-TO-DLX-2.0	PF-TO-DLX-3.0
Max. Chlorine Reduction - (Gal. @ 0.25ppm chlorine)	100,000	200,000	300,000
Maximum Chlorine Reduction - (Gal. @ 2.0ppm chlorine)	20,000	40,000	60,000
Absolute Filtration Size - (micron)	20	20	20
Maximum Influent Chlorine Level - (ppm)	2	3	4
Peak Flow Rate (gpm) @ 75psi inlet, 25psi drop	22	25	35
Water Pressure Range (psi)	45-75	45-75	45-75
Maximum Inlet Pipe Size	1"	1"	1.25"
Dimension A - overall system height	64.5"	64.5"	75"
Dimension B - system piping height	63.5"	59"	70.5"
Dimension C - height of mineral tank	60"	54"	65"
Dimension D - system tank diameter	10"	13"	14"

ProFlow E-Series Water Filter

The ProFlow E-Series Water system is designed to address hardness, heavy metals, pesticides, herbicides, chlorine tastes & odors in microbiologically safe water at flow rates up to 35 gpm.

Operation of the Filtration System

Hard water can contain dissolved minerals in the form of Calcium (Ca), Magnesium (Mg), as well as metals such as Iron (Fe), Copper (Cu), Lead (Pb), Nickel (Ni), Zinc (Zn), Lithium (Li) and other inorganics. Chemical Pesticides, Herbicides, Chlorine & Chloramine with their disinfectant byproducts can also be found in safe city water. Reduction of these contaminants is accomplished by conditioning & filtering the water through a sophisticated ion exchange process as well as catalysis, absorption, adsorption and physical filtration.

Filtration Media - AquaPro 500-3a, ChlorZorb & Catalytic Activator

The exchange media is a high quality, FDA certified, commercial grade strong acid cation Functional Matrix filtration media with a very high whole bead count, no color throw, physically hard, and is extremely resistant to chlorine oxidation, fouling and attrition. 500-4 filtration media is designed to work together with ProGuard & ProGuard Plus performance enhancers to synergistically function at peak efficiency levels, providing you with the water quality, taste & feel that you desire. The media combines high operating capacity with excellent chemical and physical stability for a long dependable life. ChlorZorb & the catalytic activator work together in synergy to effectively address chlorine, chloramine, pesticides, herbicides, tastes, odors and disinfection by-products. These media are further activated by ProGuard & ProGuard Plus, maintaining a bacteriostatic environment.

Controller/Meter

Regeneration of the system is initiated by a sophisticated electronic control timer, which precisely meters filtered water flow and makes decisions to regenerate based on measured water consumption, elapsed time, and other program settings.

Regeneration & Control Valve

A fully programmable microprocessor controls Tank Fill, Percolation, Backwash, Ion displacement, Backwash, Vortex Rinse, and return to service cycles, ensuring that water quality is according to specifications. A hydraulically balanced, self-cleaning piston utilizes a composite drivetrain and high-resolution optical encoder. All parts in the waterway are either Teflon-coated brass or composite Noryl® materials for a long and reliable service life.

Media Tank

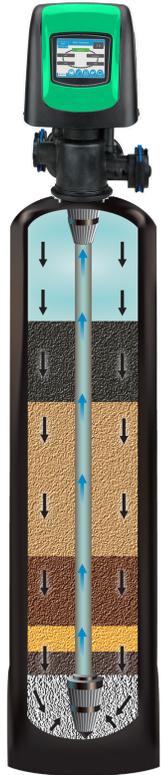
All models feature a non-corrosive fiberglass media tank, with a one piece thermoplastic inner liner. The tank is approved by NSF, UL, FDA, and meets WQA Standard S-100. All fiberglass tanks carry a limited lifetime warranty. The brine tank is a combination brine maker and salt storage vessel and is made of tough, high-density polyethylene.

Brine Tank & Brine System

The high capacity brine tank is a combination brine maker and salt storage vessel and is made of tough, high-density polyethylene. Larger tanks are available for extra salt storage capacity, if required. Brine refill is automatically controlled by the computer to provide the exact amount of brine for each regeneration. The Brine System has a float and safety valve shut-off, which minimizes the chance of overflowing the brine tank. All units are equipped with an air check.

ProGuard

A high-efficiency ProGuard dosing reservoir is included with this system to ensure peak performance and maximum protection from inorganic metals and minerals while maximizing system efficiency.

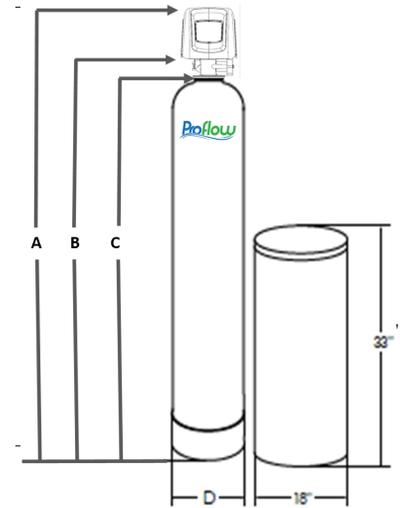


Commercial Water Filtration System

ProFlow 5810 XTR2i



**Fractional
Brining
Version 4.2**



ProFlow E-Series Water System

	PF-E-35	PF-E-50	PF-E-72	PF-E-96
Maximum Capacity (Grains-CaCo3)	35,000	50,000	72,000	96,000
Economy Capacity (Grains-CaCo3)	26,400	39,600	52,800	79,200
Salt used per Cleaning (Max)	15	22	30	48
Salt used per Cleaning (Economy)	8	12	16	24
Maximum Chlorine Reduction - (Gal. @ 0.25ppm chlorine)	90,000	140,000	300,000	300,000
Maximum Chlorine Reduction - (Gal. @ 2.0ppm chlorine)	20,000	30,000	50,000	50,000
Absolute Filtration Size - (micron)	20	20	20	20
Maximum Influent Chlorine level - (ppm)	2	3	4	4
Peak Flow Rate (gpm) @ 75psi inlet, 25psi drop	25	33	35	35
Water Pressure Range (psi)	45-75	45-75	45-75	45-75
Maximum Inlet Pipe Size	1.25"	1.25"	1.25"	1.5"
Dimension A - overall system height	59.5"	59.5"	63"	74"
Dimension B - system piping height	58"	58"	59"	70"
Dimension C - height of mineral tank	54"	54"	55"	66"
Dimension D - system tank diameter	10"	10"	13"	14"

ProFlow Twin E-Series Water Filter

The Home E-Series Water system is designed to address hardness, heavy metals, pesticides, herbicides, chlorine tastes & odors in microbiologically safe water at flow rates up to 24 gpm.

Operation of the Filtration System

Hard water can contain dissolved minerals in the form of Calcium (Ca), Magnesium (Mg), as well as metals such as Iron (Fe), Copper (Cu), Lead (Pb), Nickel (Ni), Zinc (Zn), Lithium (Li) and other inorganics. Chemical Pesticides, Herbicides, Chlorine & Chloramine with their disinfectant byproducts can also be found in water. Reduction of these contaminants is accomplished by conditioning & filtering the water through a sophisticated ion exchange process as well as catalysis, absorption, adsorption and physical filtration.

Filtration Media - AquaPro 500-3a, ChlorZorb & Catalytic Activator

Exchange media is a high quality, FDA certified, commercial grade strong acid cation Functional Matrix with a very high whole bead count, no color throw, physically hard, and is extremely resistant to chlorine oxidation, fouling and attrition. 500-4 media is designed to work together with ProGuard & ProGuard Plus to function at peak efficiency levels, providing you with the water quality, taste & feel that you desire. The media combines high operating capacity with excellent chemical and physical stability for a long dependable life. ChlorZorb & the catalytic activator work together in synergy to effectively address chlorine, chloramine, pesticides, herbicides, tastes, odors and disinfection by-products.

Controller/Meter

Regeneration of the system is initiated by an electronic control, which meters water flow and makes decisions to regenerate based on water consumption and program settings. Four gold-plated sensors constantly monitor the resin media status, providing feedback to the controller to initiate regeneration and make configuration changes.

Regeneration

A fully programmable microprocessor controls Tank Alternation, Upflow Ion Exchange, Backwash, Rapid Rinse, Tank Fill, and return to service cycles. A Deep Cleaning Cycle is executed periodically to save water and enhance longevity.

Control Valve

Two hydraulically balanced pistons utilize a composite drivetrain. All parts in the waterway are either Teflon-coated brass or composite Noryl® materials for a long and reliable service life.

Resin Tanks

Each non-corrosive fiberglass tank, with one piece thermoplastic inner liner is approved by NSF, UL, FDA, and meets WQA Standard S-100. All fiberglass tanks carry a limited lifetime warranty.

Brine Tank

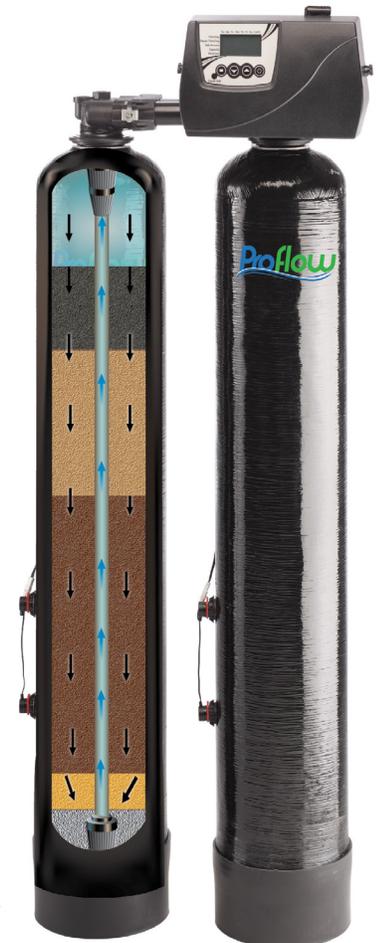
The high capacity brine tank is a combination brine maker and salt storage vessel and is made of tough, high-density polyethylene. Larger tanks are available for extra salt storage capacity, if required.

Brine System

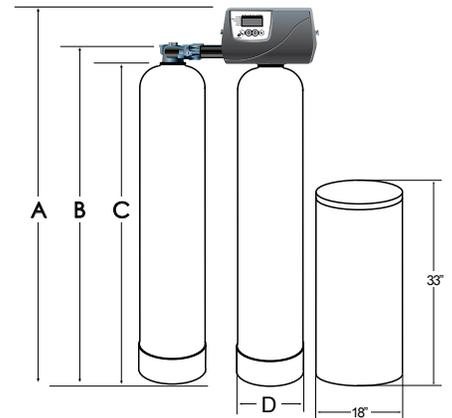
Brine refill is automatically controlled to provide the exact amount of brine for each regeneration. The Brine System has a float and safety valve shut-off, which minimizes the chance of overflowing the brine tank. All units are equipped with an air check.

ProGuard & ProGuard Plus

A high-efficiency ProGuard feeder & reservoir is included with this system to ensure peak performance and maximum protection from bacteria, inorganic metals and minerals while maximizing system efficiency.



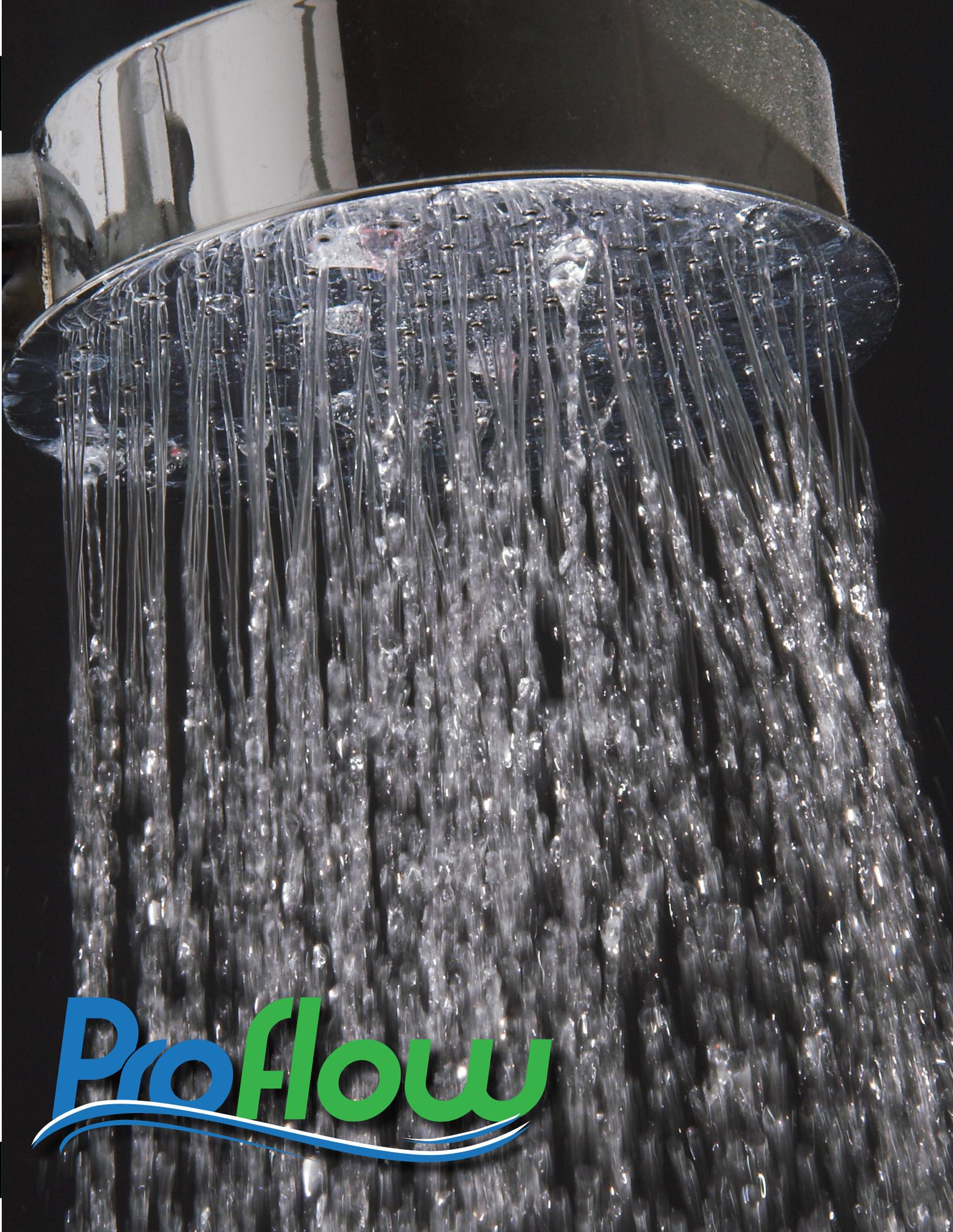
Commercial Water Filtration System



E-Series Twin Analyst

	PF-ETWIN-1	PF-ETWIN-2
Maximum 24-hour Operational Capacity (Grains-CaCo3)	160,000	350,000
Maximum Tank Capacity (Grains-CaCo3)	32,000	64,000
Economy Tank Capacity (Grains-CaCo3)	20,600	41,200
Salt used per Cleaning (Max)	15	30
Salt used per Cleaning (Economy)	5	10
Maximum Chlorine Reduction - (Gal. @ 0.25ppm chlorine)	300,000	200,000
Maximum Chlorine Reduction - (Gal. @ 2.0ppm chlorine)	50,000	30,000
Absolute Filtration Size - (micron)	20	20
Maximum Influent Chlorine Level - (ppm)	4	4
Peak Flow Rate (gpm) @ 75psi inlet, 25psi drop	21	24
Water Pressure Range (psi)	45-75	45-75
Maximum Inlet Pipe Size	1.25"	1.5"
Dimension A - overall system height	61"	61"
Dimension B - system piping height	56.25"	56.25"
Dimension C - height of mineral tank	54"	54"
Dimension D - system tank diameter	10"	10"





ProFlow

Commercial Salt-Free Scale Control Systems

Next ScaleStop

The ScaleStop series of scale control products are effective at preventing hard water scale accumulation without softening the water or removing hardness minerals.

Operation of the Physical Scale Control Device

The next-ScaleStop system provides protection from scale formation throughout the entire plumbing system. The ScaleStop system can be installed at the point of entry to treat an entire home, both hot and cold water, or it can be located directly before a water heater or other device that requires protection from hard water scale accumulation.

ScaleStop reduces or eliminates scale formation on internal and external plumbing surfaces as well as reducing spotting and streaking normally associated with hard water. ScaleStop prevents scale by transforming the normal dissolved hardness minerals into undissolved crystal micro-particles that stay suspended in the water and have a greatly reduced ability to react and attach to surfaces like dissolved hardness does. Therefore the problem of internal buildup of scale in pipes, water heaters and on fixtures and glass is greatly reduced. Next Scale Stop media version 1.0 has been tested against the DVGW W-512 protocol for validating the performance of "salt-free" scale control devices. ScaleStop is not a water softener – Low or phosphate-free cleaning products are recommended to achieve optimum results. Modern surfactant or detergent based, liquid cleaners are preferred over caustic solid soaps when deploying ScaleStop systems to minimize soap-scum formation.

Using ScaleStop with other water treatment equipment.

Due to the unique properties of ScaleStop, there are some unique requirements for using ScaleStop in conjunction with filtration or other forms of water treatment.

- ScaleStop must be the last stage in the treatment chain. Do not install any filters after ScaleStop or before any devices for which scale prevention is required. POU drinking water filters, e.g. carbon or RO are exempt from this requirement.
- Do not apply phosphate or any other antiscalant either before or after ScaleStop.



**PROVEN
99.7%
EFFECTIVE**

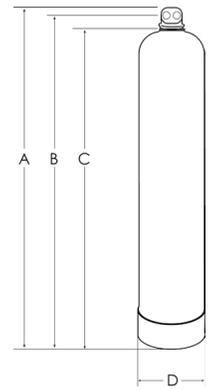
Feed Water Chemistry Requirements

pH	6.5 to 8.5
Hardness (maximum)	75 grains (1300 ppm CaCO ₃)
Water Pressure	15 psi to 100 psi
Temperature	40° F to 110° F
Chlorine	< 3 ppm
Iron (maximum)	0.3 mg/l
Manganese (maximum)	0.05 mg/l
Copper (maximum)	1.3 mg/l
Oil & H₂S	None allowed
Polyphosphate	None allowed
Silica (maximum)	10 ppm

Note: Water known to have dirt and debris should be strained using a wye-pattern strainer (100 mesh) or equivalent.

Salt-Free Scale Control

nextTM



	NSS844	NSS1252	NSS1465	NSS1665
Maximum Operating Flow Rate	12	30	50	75
Maximum Influent Hardness Level (gpg)	75	75	75	75
Maximum Influent Copper Level (ppm)	1.3	1.3	1.3	1.3
Maximum Influent Iron Level (ppm)	0.3	0.3	0.3	0.3
Maximum Influent Manganese Level (ppm)	0.05	0.05	0.05	0.05
Maximum Influent Chlorine Level (ppm)	3.0	3.0	3.0	3.0
Maximum Influent Silica Level (ppm)	10	10	10	10
Operating pH Range	6.5—8.5	6.5—8.5	6.5—8.5	6.5—8.5
Water Temperature Range	41—105	41—105	41—105	41—105
Maximum Piping Diameter	1"	1"	1"	1"
Dimension A - overall system height	48.5"	56.5"	93"	93"
Dimension B - system piping height	46"	54"	10.25"/79"	10.25"/79"
Dimension C - height of mineral tank	48"	48"	65"	65"
Dimension D - system tank diameter	8"	12"	14"	16"

Exceeding maximum flow will reduce effectiveness and void warranty.

www.proflowater.com

ScaleStop Cartridge System

The **OneFlow® Anti-Scale System** provides protection from scale formation on internal and external plumbing surfaces. The OneFlow® system is a single cartridge-based system that must be installed on a cold water line prior to a water-heating device (water heater or tankless water heater) for single tankless heaters.

OneFlow® prevents scale by transforming dissolved hardness minerals into harmless, inactive microscopic crystal particles. These crystals stay suspended in the water and are passed to drain. The system requires very little maintenance, no backwashing, no salt and no electricity. Typical hardness problems, especially build-up of scale in heating elements, pipes, water heaters, boilers and on fixtures are no longer a concern.

OneFlow® is not a water softener. It does not add chemicals. It is a scale prevention device with proven third party laboratory test data and years of successful Food Service and Commercial applications.



OneFlow® is the intelligent scale solution and is a great alternative to water softening (ion exchange) or chemical scale sequestering devices for controlling scale.

Features

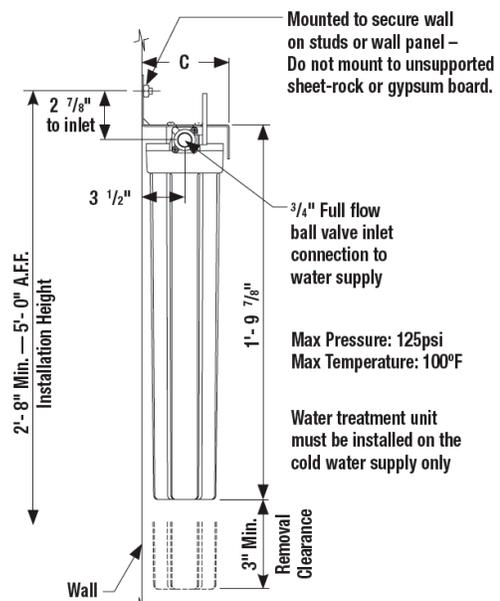
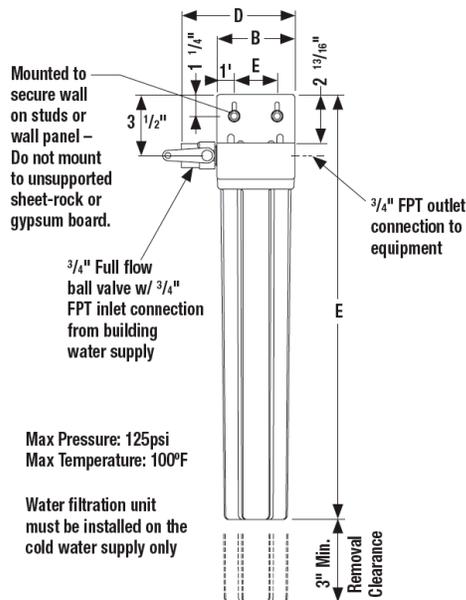
- Chemical-free scale prevention and protection without softening the water
- Virtually maintenance free
- No control valve, no electricity and no wastewater
- Uses environmentally friendly "green" technology
- Improves efficiency of all water heating devices and downstream plumbing components.
- Simple sizing & installation – standard 3/4" connections
- Perfect system for restaurants, cafeterias, coffee shops and homes
- Inlet ball valve for easy isolation shutoff and filter changes
- OneFlow® cartridge-based systems are easily maintained; change the cartridge once every two years
- Easily installed mounting bracket included w/filter wrench to allow easy cartridge change-outs

Standards

DVGW – German Technical and Scientific Association for Gas & Water OneFlow® meets standard W-512 for testing Physical Water Treatment (PWT) devices for scale prevention and achieved an efficiency rating of 99.6% for scale prevention.

OneFlow® media has been tested and certified for material safety to NSF/ANSI Standard 42 and 61.

Salt-Free Scale Control



Dimensions – Weights

Model	Dimensions										Weight	
	A		B		C		D		E		lbs.	kgs
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
OFTWH	26	66	7 3/4	20	8 5/8	23	9 13/16	25	5 3/4	15	19	8.6

The overall height and the height of the inlet fitting varies due to material variations and assembly tolerances. Please allow additional clearance above the filter for making connections.

Water Chemistry & Limitations

pH 6.5 to 8.5

Hardness (maximum) 75 grains

Temperature 41°F to 100°F (5° to 40°C)

Chlorine < 3 ppm

Iron (maximum) 0.3 mg/l

Manganese (maximum) 0.05 mg/l

Copper (maximum) 1.3 mg/l

Oil & H₂S none allowed

Polyphosphate none allowed

Silica (maximum) 10 ppm

Maximum Pressure: 90 psi/620.1 kPa

Maximum Temperature: 100°F/38°C

Minimum Temperature: 35°F/2°C

Inlet/Outlet Connections: 3/4" FNPT

Service Flow Rate: 0.5 gpm to 10 gpm (1.9 lpm to 38 lpm)

Gallon Rating: OFTWH: up to 6 gpm, 24/7/365 for 2 years for the OFTWHRM.

Capacity: OFTWHRM cartridge does not have a grain reduction capacity, however, other contaminants present in the water will gradually degrade the effectiveness of this cartridge. Change the OFTWHRM cartridge at least once every two years.



ProFlow

Commercial Drinking Water Purification Systems

Pentair Quick Change

Water's secret ingredient:

Your local water treatment professional

The Quick Change Reverse Osmosis system is only available from authorized Pentair Water® professional dealers. Your local ProFlow certified water treatment professional knows how to make the most of the advantages engineered into every Quick Change system:

- Installation expertise - a Pentair Water dealer makes sure your system is installed correctly and safely, to ensure that it reliably delivers every ounce of performance possible*
- Local water knowledge - your hometown dealer knows the water problems common to your area, which empowers them to recommend the most effective, efficient and affordable system*
- Pentair pride - by partnering with an acknowledged industry leader in residential and commercial water treatment components, your local ProFlow Water dealer demonstrates a superior concern for long-term customer care*

There's a real satisfaction in knowing that your home's drinking water can be trusted for purity, flavor and all-around refreshment, every hour of every day.

The best way to get that assurance is to choose products from an industry leader like Pentair, and to back them up with the solid support and sound advice of your local ProFlow dealer.

Five Star Water Quality



Fresher tasting, cleaner water doesn't come from what you add, but from what you take away.

That's why a Quick Change RO system addresses an entire menu of impurities and contaminants.

Our systems are equipped to remove a variety of substances, including:

- Harmful chemicals like lead, mercury and asbestos
- Cysts including cryptosporidium that could affect health
- Chlorine from municipal water purification that creates a "city water" taste



www.proflowater.com

Reverse Osmosis System



*Pentair Water®
multi-stage
protection*



Sediment Cartridge

- Reduces rust, particulates and sediment
- Extends working life of the carbon block cartridge

Carbon Block Cartridge

- Protects RO membrane cartridge by removing chlorine
- Additional protection is provided with a second carbon block cartridge for the five-stage system

RO Membrane Cartridge

- Reduces dissolved solids
- Reduces contaminants at the ionic level that may affect health
- Purifies Water

GAC Post Filter Cartridge

- Granular Activated Carbon (GAC) improves taste and reduces odor

System Monitor (optional)

- Continuous monitoring of water quality
- Lifespan timer for sediment, carbon block and GAC cartridges

	Model	Description	Contaminants
	PB5RO-75	Five-Stage Reverse Osmosis System utilizing Sediment, Carbon Block (2), RO, and GAC cartridges	Sediment, Taste & Odor, Chlorine, Dissolved Minerals, Arsenic, Hexavalent and Trivalent Chromium, Cyst, Lead, Radium
	PP4RO-75	Four-Stage Reverse Osmosis System, Monitored, utilizing Sediment, Carbon Block, RO, and GAC cartridges	Sediment, Taste & Odor, Chlorine, Dissolved Minerals, Arsenic, Hexavalent and Trivalent Chromium, Cyst, Lead, Radium, Nitrite & Nitrate
	PB4RO-75	Four-Stage Reverse Osmosis System utilizing Sediment, Block, RO, and GAC cartridges	Sediment, Taste & Odor, Chlorine, Dissolved Minerals, Arsenic, Hexavalent and Trivalent Chromium, Cyst, Lead, Radium
	PB1F-750	Single-Stage Filtration System utilizing Carbon Block Cartridge	Sediment, Taste & Odor, Chlorine, Lead, Cyst, Mercury

NSF The PB1F-750 is Tested and Certified by NSF International against NSF/ANSI 42 and 53 for the reduction of the claims specified on the Performance Data Sheet.

NSF The PB4RO-75, PP4RO-75 and PB5RO-75 are Tested and Certified by NSF International against NSF/ANSI 42 and 58 for the reduction of the claims specified on the Performance Data Sheets.



ProFlow

Commercial Problem Water Filtration Systems

ProFlow Iron Filter

The ProFlow Iron Filter incorporates proprietary filtration media and is capable of removing iron, manganese & hydrogen sulfide in water at flow rates up to 27 gpm.

Operation of the Filter

Water can contain Iron (Fe), Manganese (Mn) and Hydrogen Sulfide (H₂S). Soluble iron and manganese are oxidized and precipitated by contact with higher oxides of manganese on the proprietary blend of oxidation media. Hydrogen Sulfide is oxidized into an insoluble sulfur precipitate. Precipitates are filtered, retained and then removed by vigorous back-washing. When the oxidizing capacity of the media is exhausted, the system has to be regenerated with a weak potassium permanganate (KMnO₄) solution. 1.5 - 2 Oz. of KMnO₄ per cubic foot of media is generally required for proper regeneration

Filtration Media

The media is specially formulated using a lightweight synthetic granular core, which is coated with manganese dioxide. The proprietary media acts through both oxidation & physical filtration. The filtration system also includes a food-grade, FDA approved gravel under-bedding to ensure uniform flow and consistent performance.

Controller/Meter

Regeneration of the system is initiated by a simplified electronic control timer, which electronically meters water flow to the home and makes decisions to regenerate based on water consumption and program settings.

Regeneration

These iron filters are controlled electronically. A fully programmable microprocessor controls tank fill, upflow regenerant draw, slow rinse, double backwash, rapid rinse, tank fill and return to service cycles.

Control Valve

A hydraulically balanced, piston slides effortlessly through seals & spacers. All parts in the waterway are either Teflon coated brass or composite Noryl® materials for a long and reliable service life.

Media Tank

All models feature a non-corrosive fiberglass tank, with a one piece thermoplastic inner liner. The tank has a maximum working pressure of 90 psi and a working temperature up to 120°F. The tank is approved by NSF, UL, FDA, and meets WQA Standard S-100. All fiberglass tanks carry a limited lifetime warranty.

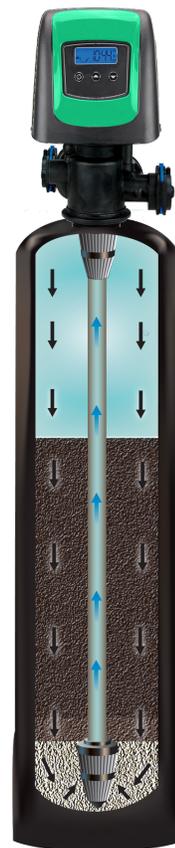
Regenerant Tank

A 10" x 16" regenerant tank is included as part of the system. The tank is a combination saturator and regenerant storage vessel and is made of tough, high-density polyethylene. Larger tanks are available for extra regenerant storage capacity, if required. Regenerant tanks feature a grid plate for maximum saturation of regenerant.

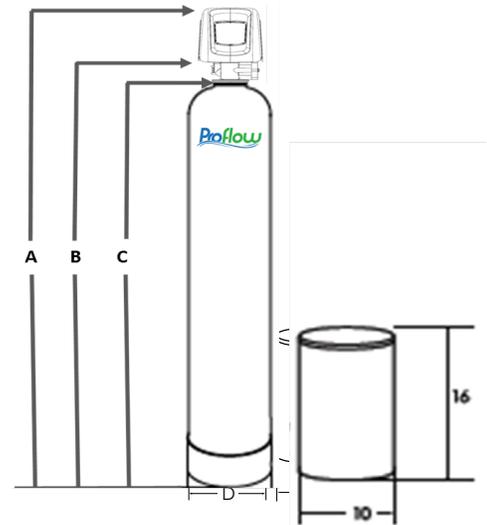
Regenerant System

Regenerant refill is automatically controlled by the computer to provide the exact amount of regenerant for each cleaning cycle. The regenerant system has a float and safety valve shut-off, which minimizes the chance of overflowing the regenerant tank. All units are equipped with an air check.

These filters should only be purchased after a water analysis has been completed. The following criteria should be screened:- Iron, Manganese, Hydrogen Sulfide, TDS, pH, Oil and Polyphosphate.



Commercial Iron Filter



ProFlow Iron Filter

	PF-FE-1	PF-FE-2	PF-FE-3
Maximum System Capacity (ppm)	10,000	20,000	30,000
Economy System Capacity (ppm)	7,000	14,000	21,000
KMnO4 Used per Regeneration (Maximum) - Oz.	2.0	4.0	6.0
KMnO4 Used per Regeneration (Economy) - Oz.	1.5	3.0	4.5
Peak flow rate (gpm) @ 75psi inlet, 25psi drop	5	5	5
Maximum influent iron level (ppm)	10	10	10
Maximum influent manganese level (ppm)	5	5	5
Operating pH Range	6.2—9.5	6.2—9.5	6.2—9.5
Water pressure range (psi)	45-75	45-75	45-75
Maximum piping diameter	1"	1"	1"
Dimension A - overall system height	56"	63.25"	75.5"
Dimension B - system piping height	51"	58.5"	70.5"
Dimension C - height of mineral tank	48"	55.5"	67"
Dimension D - system tank diameter	10"	13"	14"

ProFlow Multimedia Sediment Filter

The ProFlow multimedia sediment filter incorporates proprietary blends of filtration media to ensure effective reduction of select contaminants and is custom engineered based on the results of a comprehensive water analysis.

Operation of the Filter

These filters are custom engineered and built to order based on the results of a comprehensive water analysis. This filter is a true multimedia depth filter, incorporating two or more types of media and gravel underbedding. Multi-media filtration is a proven design concept; the coarse media layers in the top of the tank trap large particulate, and successively smaller particles are trapped in the finer layers of media deeper in the bed. Reduction takes place throughout the entire bed, instead of the top layer as is the norm in traditional sediment filters. Multi-media depth filters typically remove particulate in the 5 - 100 micron range - depending on the specified engineered design. Correct layering and media selection is critical. All media are selected according to particle size and density, so the media is able to self-classify during backwash.

Filtration Media

The proprietary blend of mechanical filtration media could include Filter Aggregate, Anthracite, Filter Sand, KDF-55, KDF-85, Calcite, Garnet, NextSand, and a food-grade gravel under bedding to ensure uniform flow, minimum pressure drop, and uniform performance. Each filter is engineered specifically for your project.

Controller/Meter

Regeneration of the system is initiated by a simplified electronic control timer, which electronically meters filtered water flow and makes decisions to clean based on water consumption and program settings.

Regeneration

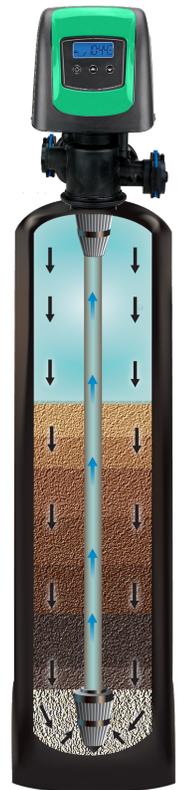
These filter models are controlled electronically. A fully programmable microprocessor controls backwash, rapid rinse and return to service cycles.

Control Valve

A hydraulically balanced, piston slides effortlessly through seals & spacers. All parts in the waterway are either Teflon coated brass or composite Noryl® materials for a long and reliable service life.

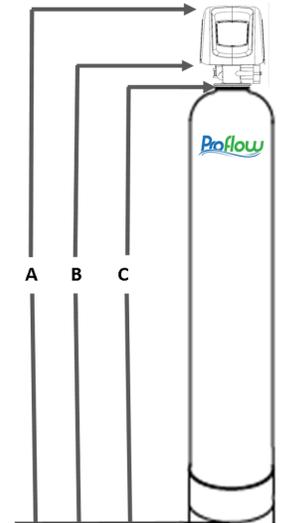
Media Tank

All filter models feature a non-corrosive fiberglass tank, with a one piece thermoplastic inner liner. The tank has a maximum working pressure of 90 psi and a working temperature up to 120°F. The tank is approved by NSF, UL, FDA, and meets WQA Standard S-100. All fiberglass tanks carry a limited lifetime warranty.



These filters should only be purchased after a water analysis has been completed. The following criteria should be determined:- Iron, Manganese, Hydrogen Sulfide, TDS, pH, Hardness and Turbidity.

Commercial Sediment Filter



ProFlow Multimedia Sediment Filter

	PF-MM-CLR-1	PF-MM-CLR-2	PF-MM-CLR-3
Peak Flow Rate (gpm) @ 75psi inlet, 25psi drop	15	25	30
Operating pH Range	6.2—8.5	6.2—8.5	6.2—8.5
Maximum Influent Particle Size (micron)	200	200	200
Absolute Filtration Size - (micron)	5	5	5
Maximum Influent Iron Level (ppm)	10	10	10
Maximum Influent Manganese Level (ppm)	5	5	5
Water Pressure Range (psi)	45-75	45-75	45-75
Maximum Piping Diameter	1"	1"	1"
Dimension A - overall system height	56"	63.25"	75.5"
Dimension B - system piping height	51"	58.5"	70.5"
Dimension C - height of mineral tank	48"	55.5"	67"
Dimension D - system tank diameter	10"	13"	14"

These filters should only be purchased after a water analysis has been completed. The following criteria should be determined:- Iron, Manganese, Hydrogen Sulfide, TDS, pH, Hardness and Turbidity.

ProFlow pH Neutralizing Filter

The ProFlow pH Neutralizing filter is designed to neutralize acidic water conditions and is custom engineered based on the results of a comprehensive water analysis on a case-by-case basis.

Operation of the Filter

These filters are custom engineered and built to order based on the results of a comprehensive water analysis. ProFlow pH Neutralizing filters are used where low pH water is a problem. Naturally occurring acidic water and potable drinking water, such as that produced by Reverse Osmosis, can be effectively neutralized by using special neutralizing media. The media will require periodic replacement as it is consumed in the neutralization process. Calcium and magnesium carbonates are introduced into the ionic makeup of the water during neutralization which may necessitate the installation of a water softener to reduce the hardness of the water.

Filtration Media

A mixture of Calcite and Corosex allows for correction of extremely acidic water. The two media are combined together to provide a uniform neutralization rate. A food-grade gravel underbedding ensures low pressure drops and uniform flow rates. If pH is less than 5.7, then chemical injection will be required in addition to this filter. The system is back washed periodically to prevent agglomeration. Waters with very low total alkalinity might require additional treatment, depending on the specific application.

Controller/Meter

Regeneration of the system is initiated by a simplified electronic control timer, which electronically meters filtered water flow and makes decisions to clean based on water consumption and program settings.

Regeneration

These filter models are controlled electronically. A fully programmable microprocessor controls backwash, rapid rinse and return to service cycles.

Control Valve

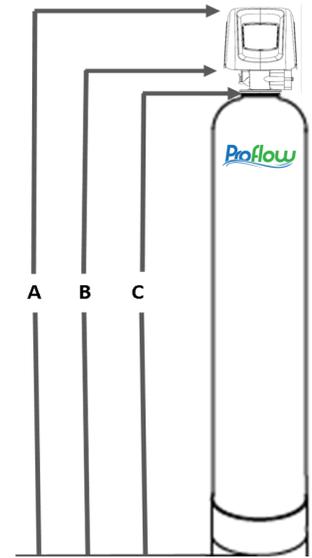
A hydraulically balanced, piston slides effortlessly through seals & spacers. All parts in the waterway are either Teflon coated brass or composite Noryl® materials for a long and reliable service life.

Media Tank

All filter models feature a non-corrosive fiberglass tank, with a one piece thermoplastic inner liner. The tank has a maximum working pressure of 90 psi and a working temperature up to 120°F. The tank is approved by NSF, UL, FDA, and meets WQA Standard S-100. All fiberglass tanks carry a limited lifetime warranty.

These filters should only be purchased after a water analysis has been completed. The following contaminants should be tested:- Iron, Manganese, Hydrogen Sulfide, TDS, pH, Hardness, Turbidity, and Total Alkalinity.

Commercial pH Neutralizing Filter



ProFlow pH Neutralizing Filter

	PF-PH-1	PF-PH-2	PF-PH-3
Peak Flow Rate (gpm) @ 75psi inlet, 25psi drop	15	25	30
Operating pH Range	3.0 —8.5	3.0 —8.5	3.0 —8.5
Maximum Influent Particle Size (micron)	200	200	200
Absolute Filtration Size - (micron)	50	50	50
Maximum Influent Iron Level (ppm)	10	10	10
Maximum Influent Manganese Level (ppm)	5	5	5
Water Pressure Range (psi)	45-75	45-75	45-75
Maximum Piping Diameter	1"	1"	1"
Dimension A - overall system height	56"	63.25"	75.5"
Dimension B - system piping height	51"	58.5"	70.5"
Dimension C - height of mineral tank	48"	55.5"	67"
Dimension D - system tank diameter	10"	13"	14"

These filters should only be purchased after a water analysis has been completed. The following contaminants should be tested:- Iron, Manganese, Hydrogen Sulfide, TDS, pH, Hardness, Turbidity, and Total Alkalinity.

ProFlow Anion Filter

The ProFlow Anion filter is designed to address a particular ionic range of compounds such as Fluoride, Nitrate, Sulfate, Silica, Tannins and Alkalinity. Each system is custom engineered based on the results of a comprehensive water analysis.

Operation of the Filter

Water can contain a number of contaminants such as Fluoride, Nitrate Sulfate, Silica & Tannins. These contaminants are particularly difficult to remove from water and can often have serious aesthetic & health effects. This filter is designed to remove various contaminants from water based on a comprehensive water analysis.

Filtration Media - Hydrolyte Anion Hybrid

The exchange media is a high quality, FDA certified, commercial grade strong base hybrid (Anion) Functional Matrix resin with a very high whole bead count and no color throw or odor when properly specified, installed and regenerated. The media combines high operating capacity with excellent chemical and physical stability for a long dependable life.

Controller/Meter

Regeneration of the system is initiated by a simplified electronic control timer, which electronically meters filtered water flow and makes decisions to regenerate based on water consumption and program settings.

Regeneration

These filter models are controlled electronically. A fully programmable microprocessor controls up-flow regeneration, backwash, rapid rinse, tank fill and return to service cycles.

Control Valve

A hydraulically balanced, piston slides effortlessly through seals & spacers. All parts in the waterway are either Teflon coated brass or composite Noryl® materials for a long and reliable service life on 3 cubic foot systems.

Resin & Brine Tanks

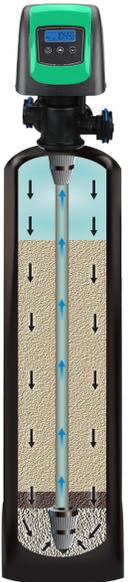
All models feature a non-corrosive fiberglass resin tank, with a one piece thermoplastic inner liner. The tank has a maximum working pressure of 90 psi and a working temperature up to 120°F. The tank is approved by NSF, UL, FDA, and meets WQA Standard S-100. All fiberglass tanks carry a limited lifetime warranty. A high capacity brine tank is included as part of the system. The brine tank is a combination brine maker and salt storage vessel and is made of tough, high-density polyethylene. Larger tanks are available for extra salt storage capacity, if required.

Brine System

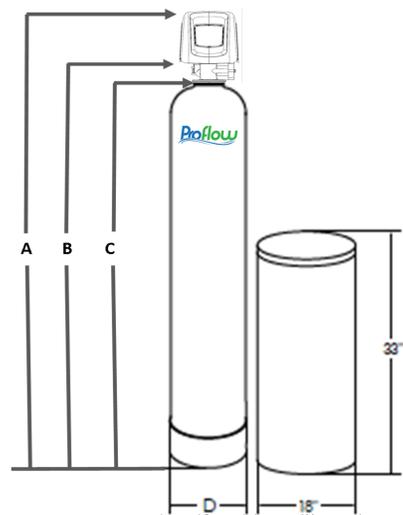
Brine refill is automatically controlled by the computer to provide the exact amount of brine for each regeneration. The Brine System has a float and safety valve shut-off, which minimizes the chance of overflowing the brine tank. All units are equipped with an air check.

These filters should only be purchased after a water analysis has been completed.

The following contaminants should be tested:- **Iron, Manganese, Hydrogen Sulfide, TDS, pH, Hardness, Chlorine, Chloramine, Sulfate, Nitrate, Silica, Fluoride, Tannins, Lignins, Total Alkalinity and Turbidity.**



Commercial Anion Filter



ProFlow Anion Filter

	PF-ANION-1	PF-ANION-2	PF-ANION-3
Maximum Capacity	CUSTOM	CUSTOM	CUSTOM
Salt used per Cleaning	CUSTOM	CUSTOM	CUSTOM
Maximum Influent Hardness Level (gpg)	5	5	5
Maximum Influent Chlorine Level (ppm)	0.1	0.1	0.1
Peak Flow Rate (gpm) @ 75psi inlet, 25psi drop	20	25	30
Water Pressure Range (psi)	45-75	45-75	45-75
Maximum Inlet Pipe Size	1.25"	1.25"	1.25"
Dimension A - overall system height	56"	63.25"	75.5"
Dimension B - system piping height	51"	58.5"	70.5"
Dimension C - height of mineral tank	48"	55.5"	67"
Dimension D - system tank diameter	10"	13"	14"

These filters should only be purchased after a water analysis has been completed.

The following contaminants should be tested:- **Iron, Manganese, Hydrogen Sulfide, TDS, pH, Hardness, Chlorine, Chloramine, Sulfate, Nitrate, Silica, Fluoride, Tannins, Lignins, Total Alkalinity and Turbidity.**

Terms & Conditions of Sale

Buyer will pay all invoices within stated terms and agrees to all terms contained in invoices supplied by Performance Water Products, Inc.. These terms may be amended from time to time without notice.

Prices: Prices are F.O.B. Buena Park, CA. Due to fluctuating petrochemical prices, all prices are subject to change without notice. Goods will be invoiced at the prevailing price at the time merchandise is ordered. Prices & availability can be confirmed through your account representative verbally or in writing. When placing purchases as the result of a written quotation, please reference the quotation number. Prices on purchase orders do not constitute final pricing.

Payment Terms: Payment of merchandise is due upon receipt unless otherwise specified on your invoice. New accounts are strictly COD Cash or Credit card until a credit application has been submitted and approved. In the event of any default or late payment of fees or costs, a penalty/late charge will be imposed at a rate of 2% per month, on the unpaid balance together with reasonable collection costs and fees.

Shipping: Unless otherwise specified, we will ship your order in the most expeditious and economical manner. You will be charged for freight, insurance and handling, as appropriate.

Return of Items: Items cannot be returned without a Return Merchandise Authorization (RMA) number. Please contact your account representative for an RMA. A restocking fee of up to 25% may be applicable to your return. All items must be received within 10 days of RMA issuance. See return policy for more details.

Loss/Damage Liability: Claims for shortage, erroneous charges or price corrections shall be deemed waived unless made in writing, within 10 days of receipt.

Equipment Description & Specifications: Since we are constantly improving and enhancing our products, all equipment descriptions and specifications are subject to change without notice.

Other Products Available: We can provide many other products for special applications which are not listed in this catalog. If you require an item which you do not find listed, please contact us for assistance.

Guarantee: It is our goal to provide extraordinary products and service on a daily basis. If our products do not meet with your satisfaction, please let us know immediately and we promise to make every reasonable effort to remedy the situation.

Warranty: Please see the standard warranty on the next page for further details. We disclaim any implied warranty of fitness for a particular application.

Standard Commercial Limited Warranty

1st year of ownership

This Commercial water system is warranted as to workmanship and material for a period of one year from date of original installation at the original installation site, if properly installed by a ProFlow Certified Installer. Should any component in your system prove defective in the first year, it will be repaired, rebuilt or replaced at our option, if it is returned directly to us.

After the 1st year of ownership and for 9 years after, should any component in your system prove defective, it will be repaired, rebuilt or replaced at our option for a maximum parts charge of \$50.00, provided it is returned directly to us. Labor, transportation, shipping or other charges incurred in the diagnosis, replacement or repair of defective components are not covered by this warranty. If you choose not to send a defective component back to us, repairs to your system can be conducted at your location by a factory authorized service technician if it is within the regular operating radius of an authorized repair center. This warranty does not cover transportation, shipping, diagnosis, replacement and repair charges resulting from your on-site repair request. We will not be held responsible for loss or damage caused by any defective component. We disclaim the implied warranty of fitness for any particular application or purpose. This warranty must be presented at time of claim and all claims must be presented within 30 days of occurrence.

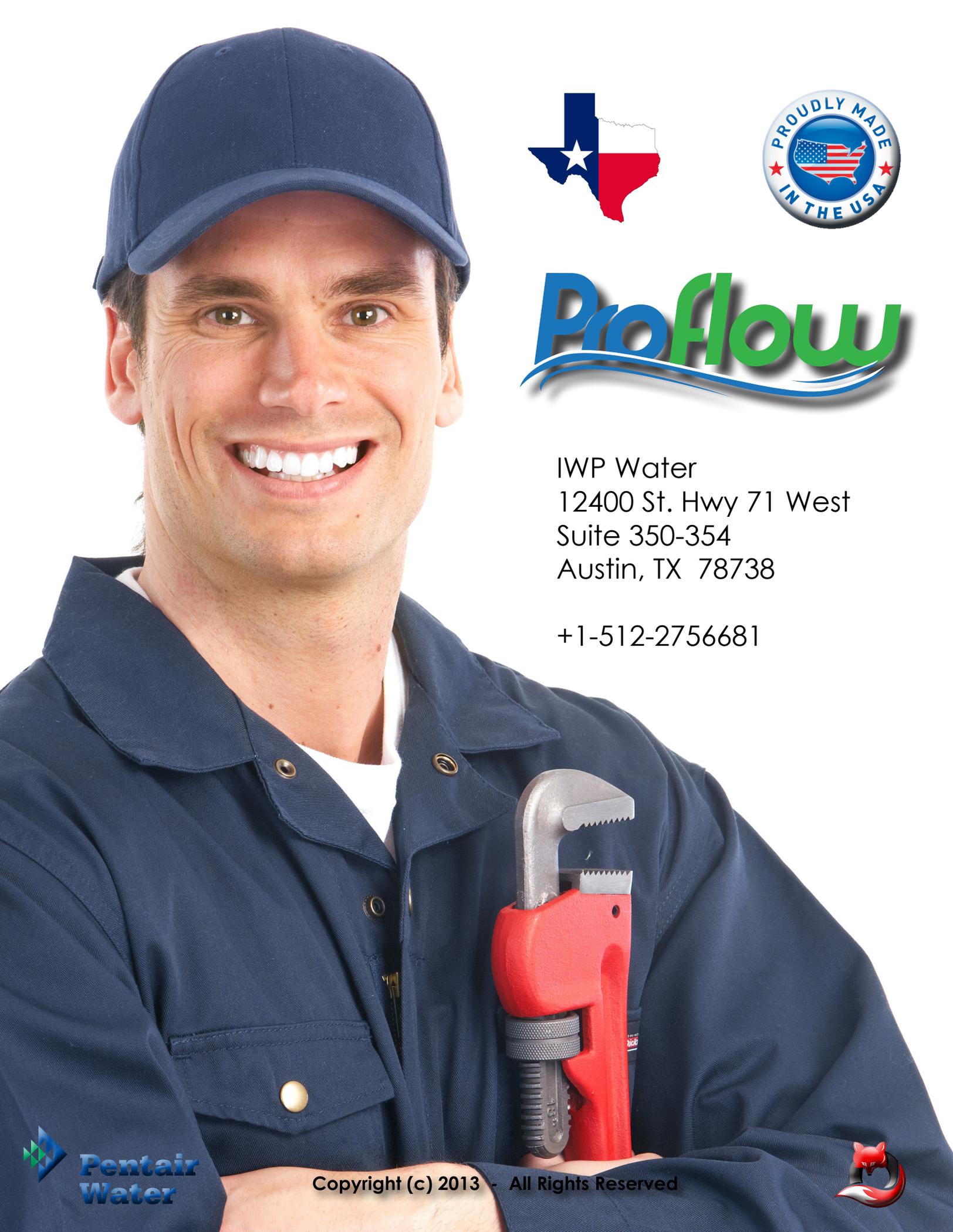
This warranty is void if your water system is not installed in compliance with prevailing plumbing codes, according to our installation protocol, or if the influent water temperature is hotter than 90 F or where the static water pressure is less than 25 psi, or more than 90 psi. Intentional/malicious damage, misuse, neglect, unauthorized modifications or accidental damage to the system are not covered by this warranty. This warranty does not cover damage caused by pressure surges, water hammer, power surges or sags, lightning, fire, flood, freezing, earthquake, acts of God or other casualty.

Your water system is subject to normal wear and tear during its usable service life. Wear and tear is not regarded as a product defect and is not covered by this warranty.

Your water system includes a ProGuard dispensing system. The ProGuard/ProGuard Plus performance-enhancing additive is essential to proper functioning of your system. If ProGuard or ProGuard Plus is not added to the injection system at the prescribed interval in your owner's manual, this warranty will be void.

This limited warranty is only valid if registered within 10 days of initial installation.

If unregistered, this warranty is only valid for 1 year from the date of original manufacture.



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