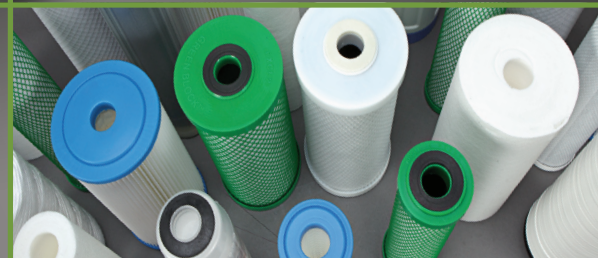


# GROWONIX

TUNED FOR GROWING



## 2015 CATALOG



THE MOST EFFICIENT WATER FILTRATION & PLANT FEEDING SYSTEMS

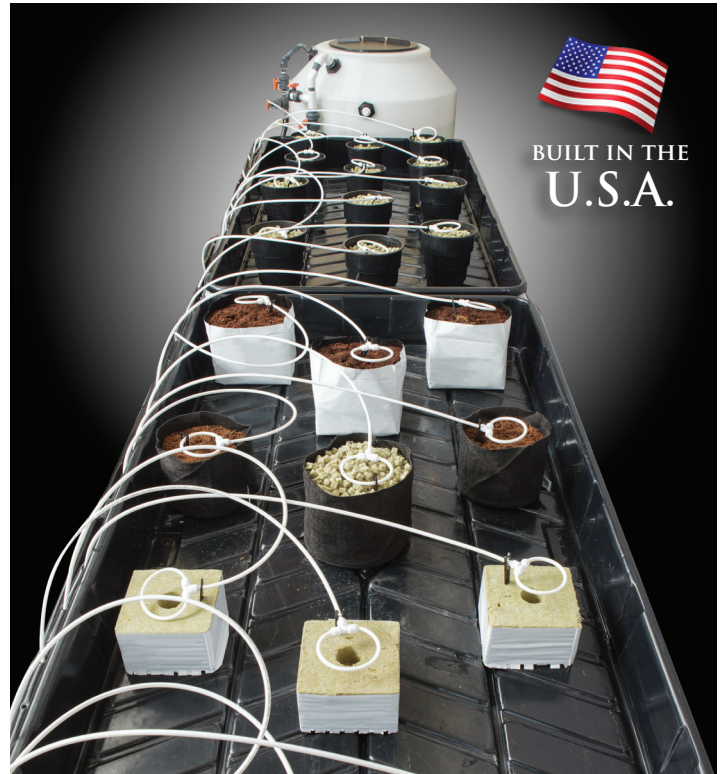
# WHY GROWONIX ???

## MOVING THE HYDROPONICS MARKET FORWARD

### FIRST TO INTRODUCE :

- 🌱 1:1 AND 2:1 SYSTEM RATIOS.
- 🌱 LIQUID-FILLED GAUGES.
- 🌱 JOHN GUEST USA FITTINGS.
- 🌱 1000 GPD (AND GREATER) SYSTEMS.
- 🌱 INDUSTRIAL-GRADE DOW MEMBRANES.
- 🌱 1 YEAR PARTS AND LABOR WARRANTY.
- 🌱 90-DAY WARRANTY MEMBRANES AND FILTERS.
- 🌱 DEDICATED TECH SUPPORT.
- 🌱 FREE WATER ANALYSIS THROUGH NTL LABS.
- 🌱 ONLINE INSTRUCTIONAL VIDEOS.
- 🌱 CUSTOM SOLUTIONS FOR REGIONAL WATER DEMOGRAPHICS.

SHATTERING MARKET BARRIERS  
IN QUALITY AND VALUE



- 🌱 IN-HOUSE PRODUCT TESTING.
- 🌱 CUSTOM SYSTEM DESIGN AND GARDEN BLUEPRINTING.
- 🌱 ALL PRODUCTS ARE MODULAR AND GROW WITH YOUR GARDEN



### NEW PRODUCTS

***WE'RE NOT JUST WATER FILTERS ANYMORE***

#### PRE-FITTED TANKS



#### Water Storage and Nutrient Mixing/Delivery Tanks.

##### Pre-Plumbed with:

- Delivery Pump.
- Recirc & Drain to Waste Manifolds.
- Anti-Siphon Valve.



#### SUBMERSIBLE PUMPS



- **Stainless Steel**
- Oil-Free
- Constant Duty.
- 5-Year No Fault Warranty.
- Ultra Efficient.

#### NUTRIENT DELIVERY



#### Automated Feed Systems:

- Top Feed Recirc & Drain to Waste.
- Adjustable Flow Rates.
- Reduce Nutrient Costs by 80%.
- **No More Hand Watering!**

#### GXM-1000



#### The highest flowing membrane on the planet!!!

The new GXM1000-HF Membrane flows 35% more water than before.

#### EX4000-HFT



#### 4000+GPD RO System

- Complete Quick-Connect System.
- 1:1 Ratio Standard.
- Recycle valve for 1/4:1 Ratios
- Dual KDF85 Catalytic Carbon Filters
- Membrane Flush Valve
- Carbon Flush Valve
- Ultra Efficient 110V 10A pump.
- 68,000 Gallon Carbon Capacity

#### FEED HALO



#### Feed Halos

The ultimate solution for nutrient delivery.

# SIZING YOUR WATER SYSTEM

## Rule of Thumb: Water filters should support 3X the water demand

PROTECTS against water system slow-down due to clogged filters.







ENSURES adequate water-making when feed water temperatures drop.

ALLOWS down-time for water system maintenance.







EXTENDS the life of the water system by reducing its duty cycle.

GUARANTEES fast reliable water production when needed.

## Important Filtering Facts

-  Between 77° and 50° water system production declines by 50%  
Cold water is more difficult to move through the membranes.
-  System ratios (waste ratios) can drift in cold water.  
Water travels the path of least resistance — the drain line!
-  Waste ratios can be tuned with a ball valve or Flow Box.  
Never go lower than the system was intended for.
-  RO membranes require 40 psi of incoming pressure to produce even a drop of water except our GXM200-HF which requires only 20PSI.  
The only membrane on the planet that can do this.
-  Incoming water pressure (feed pressure) on all water filters, always and everywhere, should be no more than 80psi.  
Plastic filter housings cannot handle more pressure.
-  Stainless steel membrane housing pressure  
on GrowoniX 600GPD filters and above can handle 175psi  
(requires BP-6010 booster pump).

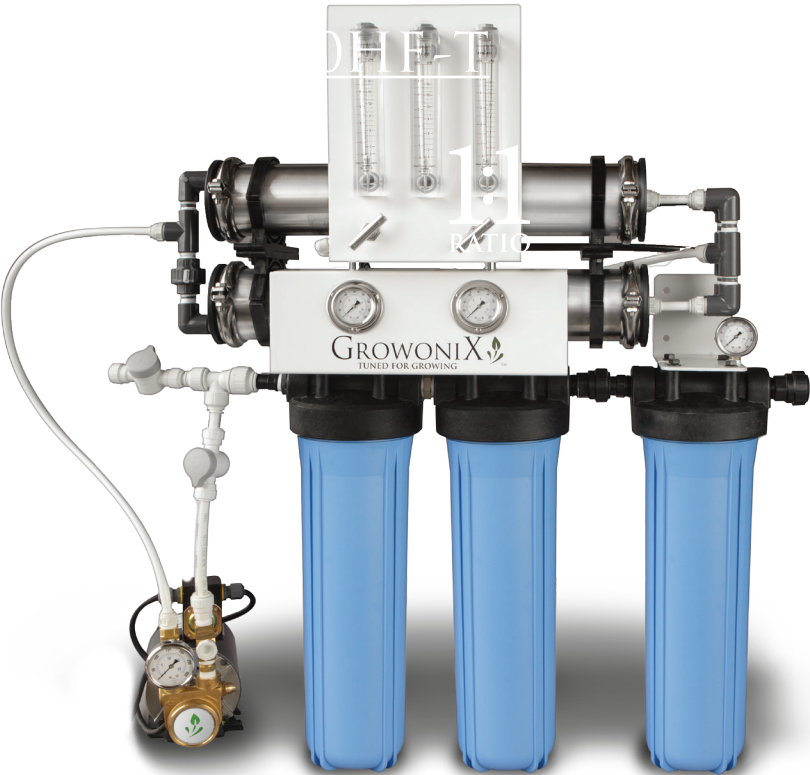
## Important Filtering Facts (continued)

-  Flush valves allow full pressure water to travel through membrane elements and jog loose ion buildup — increasing membrane life.
-  All GrowoniX water filters come with flush valves, except EX100 through EX400 (available upon request).
-  Well water is generally too dirty for small RO membranes (100GPD through 400GPD systems).  
The large 4” membranes of the bigger systems (600GPD and larger) are recommended for well water treatment, unless the water demand is really low.
-  KDF85/ Catalytic carbon filters are a must for chloramine removal and all well water treatment.
-  Membranes love pressure — Period.  
More pressure equals happier membranes and better performance.
-  Calcium and magnesium scale is the #1 killer and clogger of membranes and is treatable with anitiscalant injection.

# DELUXE SERIES

## INTRODUCING THE EX4000-HFT DELUXE

### TUNED FOR EXTREME GROWING



Designed to flow 4000 gallons per day (167 gallons per hour) of pure RO water with an astounding 1:1 ratio—or better. Massive water production with a mere 110V booster pump! The EX4000-HFT, utilizing a pair of GXM-1000-HF membranes, is an absolute breakthrough in efficiency.

Armed with dual KDF85 catalytic carbon filters, the EX4000-HFT has a carbon capacity of 68,000 gallons—which means it can produce 34,000 gallons of ultra pure water at 1:1 ratio (even more if lower system ratio is utilized). Three liquid-filled stainless steel pressure gauges informs when it's time to change the pre-filters.

#### ADDITIONAL CARBON TANK NOT REQUIRED

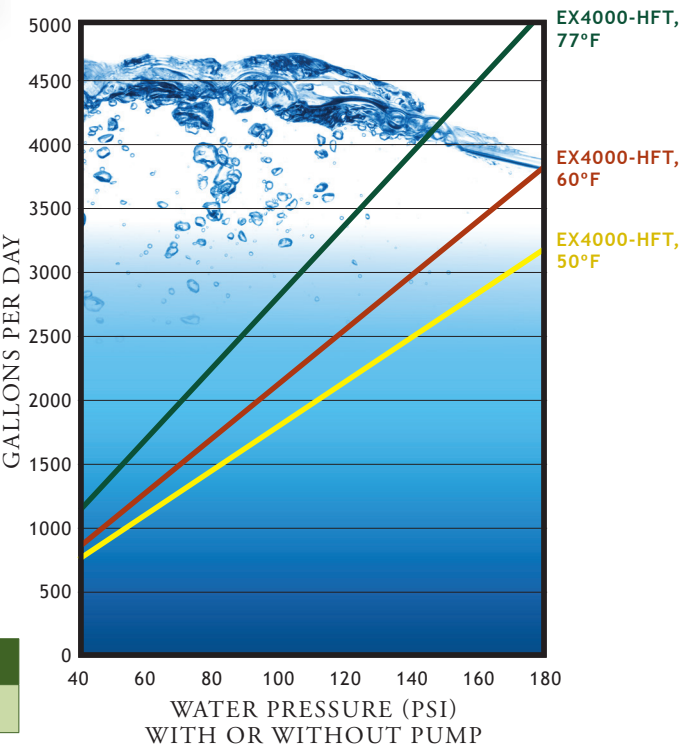
Quick connect fittings all throughout the plumbing allow for fast and easy installation. A manual flush valve allows you to clean the membrane, purging out pollutants that could otherwise add buildup to the system. Flushing adds considerable life to the membrane as well. A carbon flush valve allows for easy carbon filter flushing after normal filter changes. Utilizing the best membrane technology in the world, the GrowoniX EX4000-HFT is unbeatable at any price.

### EX-4000-T FEATURES








- 1:1 SYSTEM RATIO CAN BE CONFIGURED FOR 1/4:1 (1/4 DRAIN TO 1 PRODUCT WATER)
- SUPER EFFICIENT 110V PUMP.
- HIGH FLOW COLD WATER MEMBRANE ELEMENTS.
- RECYCLE FLOW BOX FOR SYSTEM TUNING.
- DUAL KDF85 CATALYTIC CARBON FILTERS.
- CARBON FLUSH VALVE
- MEMBRANE FLUSH VALVE
- QUICK CONNECT INSTALLATION.

Part #	Carbon Capacity	Flow Rate	MSRP
EX4000-HFT Deluxe	68,000 gallons	4000+ GPD	\$4155.00

EX4000-HFT FLOW RATES



### DELUXE SYSTEMS FEATURE:

-  HIGH FLOW COLD WATER MEMBRANE ELEMENT
-  ADJUSTABLE HIGH PRESSURE BOOSTER PUMP
-  ECO GREEN COCONUT CARBON FILTER (OPTIONAL KDF85 CATALYTIC CARBON FILTER)
-  WASHABLE SEDIMENT FILTER
-  INPUT SOLENOID VALVE
-  TANK FLOAT SWITCH
-  ULTRAVIOLET STERILIZER

NO ADDITIONAL PRE-FILTERS NEEDED

The idea behind the Deluxe Series is simple— All the bells and whistles of a turnkey mini water treatment plant in a compact, affordable, and dependable package. Utilizing the finest components in the water treatment industry. GrowoniX Deluxe Series is a breakthrough in water treatment gear with it's componential design, mobility, and unmatched efficiency.

GrowoniX Deluxe Series are available in two different packages— GX-Deluxe and EX-Deluxe. Both packages are built equally with the highest quality components and perform exactly the same.

The GX Deluxe packages come with the full monty—a custom roller chassis and Splash Guard pump chassis. The EX Deluxe package leaves behind the fancy metal fabrication for a more economical price—never before has commercial grade water filtration been this affordable.

Both EX and GX Deluxe Systems come with ultraviolet filters, tank float switches, input solenoid valves, and SCH80 input plumbing—everything you need start making tons of water.

### Accessories for all Deluxe Systems:

- Flow Box for accurate system performance monitoring.
- Antiscalant injection to make membranes last for years.
- TALL pre-filters (EX series only) allowing for twice the prefiltration, up to 34,000 gallons of chlorine or chloramine removal.

*Chloramine removal requires KDF85/CAT carbon filter.*



# DELUXE SERIES

## EX1000 DELUXE

1:1  
RATIO



Designed to flow 83 GPH (EX1000 Deluxe) or 50 GPH (EX600 Deluxe) with an astounding 1:1 ratio. The BP-6010 Booster Pump delivers the full flow rate with only 30 psi of feed water—No more low water pressure issues. The deluxe system includes our electric shutoff kit consisting of a float switch and feed water solenoid valve. The solenoid valve cuts feed water to the whole system when not in use.

### DELUXE SYSTEM SPECIFICATIONS:

Flow Rate	2000GPD (EX/GX1000 Deluxe) 1200GPD (EX/GX600 Deluxe)
Minimum Feed Pressure	approx. 25 psl
Recommended Feed Pressure	35 psi—80 psi
Recovery (system ratio 1:1)	50%
Operating Temperature	40°F—105°F
Operating pH	3-11
Nominal % Rejection	98.5%
Maximum TDS	2000 ppm
Minimum NACL Rejection	96%
Maximum Hardness	15 gpg
Feed / Drain / Product connection	3/8"
Volts/Amps	110V/5.5A
Dimensions LxWxH (in)	27x11x30
Weight	70 lbs.

Test Conditions: Permeate flow and salt rejection based on 550 ppm, 150 psi, 77°F (25°C), pH 7, and 50% recovery.

Note: Higher TDS and/or lower temperatures will reduce the system's production.

## EX1000-T DELUXE



*TALL pre-filters allow for twice the prefiltration, handling up to 34,000 gallons of chlorine or chloramine removal.*

Utilizing the best membrane technology in the world, high flow-rates and water savings never before seen in a package so affordable and durable. A pair of liquid-filled stainless steel pressure gauges inform you when it's time to change the pre-filters. A manual flush valve allows you to clean the membrane, purging out pollutants that could otherwise add buildup to the system—considerably extending membrane life.

## EX DELUXE FEATURES

- HIGH FLOW COLD WATER MEMBRANE ELEMENT
- ELECTRIC SHUTOFF KIT WITH SOLENOID VALVE AND FLOAT SWITCH
- STAINLESS STEEL LIQUID FILLED GAUGES
- WALL MOUNTABLE
- ELECTROGALVANIZED STEEL BRACKETS
- ULTRAVIOLET FILTER

Part #	Carbon Capacity	Flow Rate	MSRP
EX1000-T Deluxe	34,000 gallons	2000 GPD	\$2226.00
EX1000 Deluxe	16,000 gallons	2000 GPD	\$2124.00
EX600-T Deluxe	34,000 gallons	1200 GPD	\$2035.00
EX600 Deluxe	16,000 gallons	1200 GPD	\$1999.00

(Chloramine removal requires KDF85/CAT carbon filter.)

## GX1000 DELUXE

Designed to flow 83 GPH (GX1000 Deluxe) or 50 GPH (GX600 Deluxe) with an astounding 1:1 ratio. The BP-6010-CH Booster Pump delivers the full flow rate with only 30 psi of feed water— No more low water pressure issues! The deluxe system includes our electric shutoff kit consisting of a float switch and feed water solenoid valve. The solenoid valve cuts the feed water to the whole system when not in use. A pair of liquid-filled stainless steel pressure gauges inform you when it's time to change the pre-filters. A manual flush valve allows you to clean the membrane, purging out pollutants that could otherwise add buildup to the system— considerably extending membrane life.

The whole system rides smoothly on non-marking casters, making it a portable water treatment plant. We top it off with an ultraviolet light filter to neutralize 99.99% of all organisms. Viola.

*Chloramine removal requires KDF85/CAT carbon filter.*

NO ADDITIONAL PRE-FILTERS NEEDED

SEE PAGE 8 FOR SYSTEM SPECS

SEE PAGE 10 FOR FLOW RATES

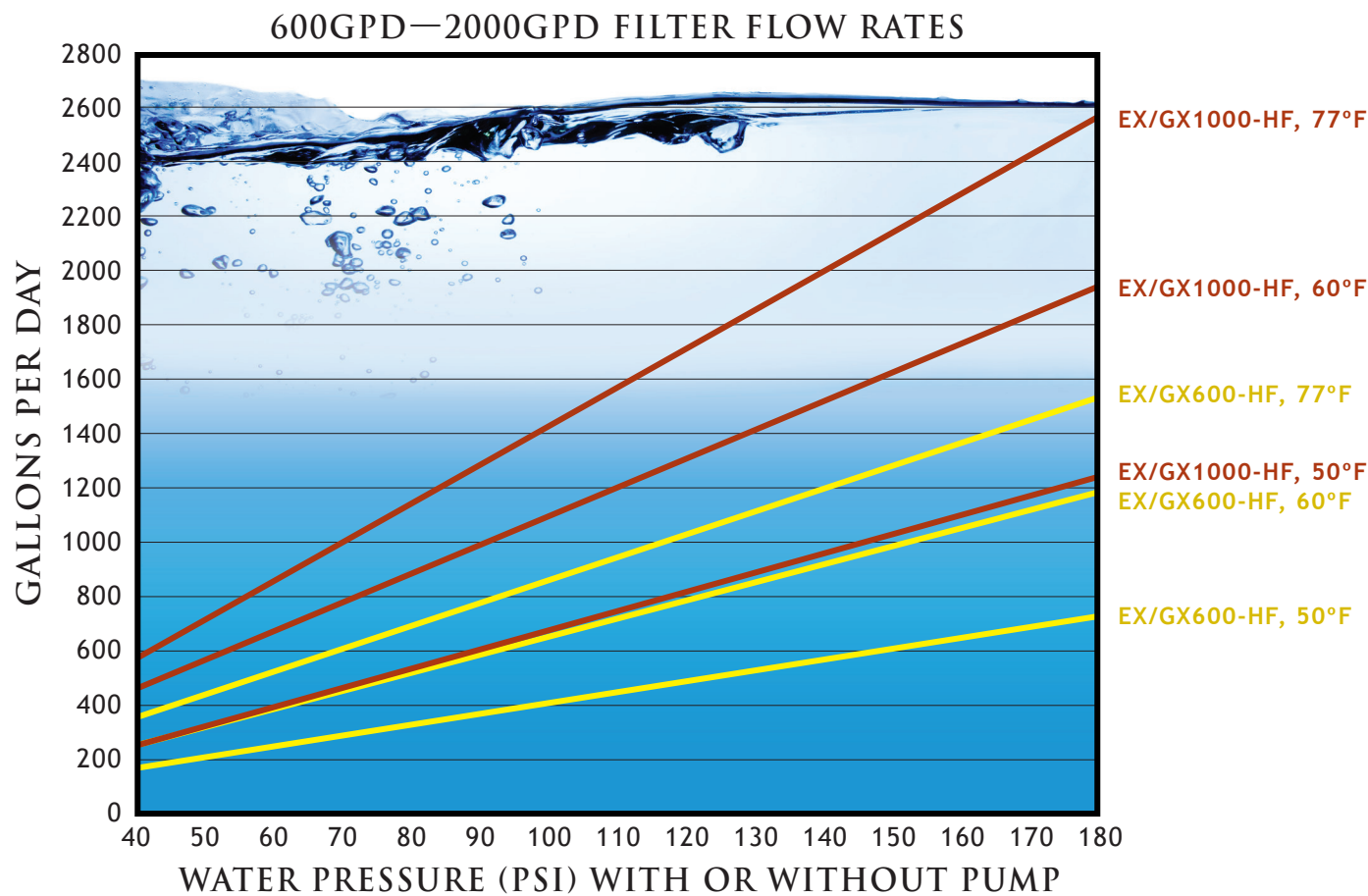
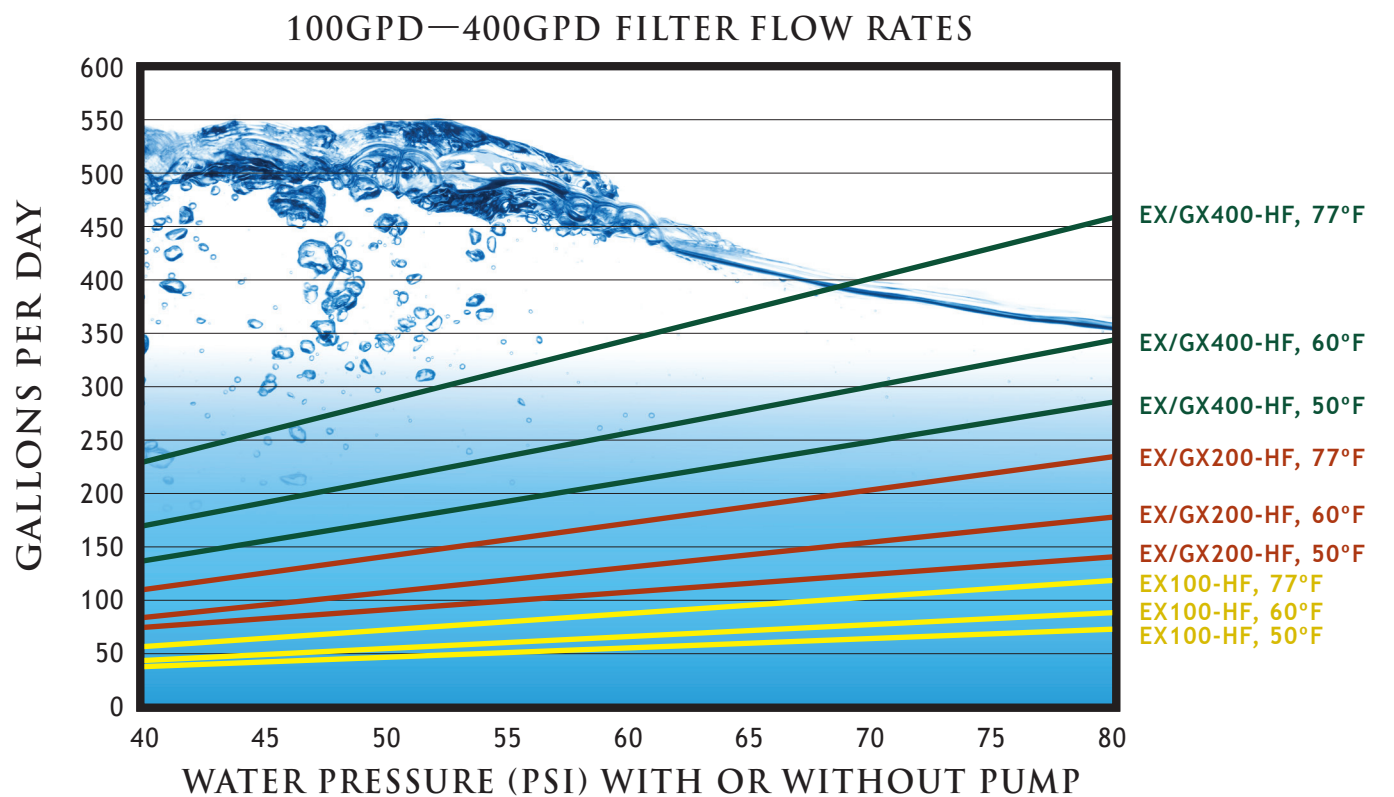
## GX DELUXE FEATURES

- 🌱 HIGH FLOW COLD WATER MEMBRANE ELEMENT
- 🌱 ELECTRIC SHUTOFF KIT WITH SOLENOID VALVE AND FLOAT SWITCH
- 🌱 STAINLESS STEEL LIQUID FILLED GAUGES
- 🌱 NON-MARKING CASTERS, ROLLER CHASSIS FOR ULTIMATE PORTABILITY
- 🌱 ULTRAVIOLET FILTER





Part #	Carbon capacity	Flow Rate	MSRP
GX1000 Deluxe	16,000 gallons	Up to 2000 GPD	\$2533.00
GX600 Deluxe	16,000 gallons	Up to 1200 GPD	\$2176.00



# FLOW RATES



## FLOW BOX FEATURES

-  STAINLESS STEEL HIGH PRESSURE NEEDLE VALVES
-  PRECISION FLOW METERS
-  WALL MOUNTABLE ELECTROGALVANIZED BRACKETS.
-  AVAILABLE IN STANDARD OR RECYCLING CONFIGURATIONS

## Why Use a Flow Box?

- Allows for adjustable system ratio
- Accurate monitoring of membrane performance and longevity
- EZ membrane flush with a single twist of the valve
- Allows for recycling (Recycler unit only)



## RECYCLER

Part #	MSRP
Flow Box Recycler	\$539.00



## FLOW BOX

Part #	MSRP
Flow Box 1000	\$373.00
Flow Box 600	\$373.00



GrowoniX FlowBox is a componential add-on to any EX/GX600/1000 GPD and above that utilizes a BP Series booster pump. Equipped with highly accurate liquid flow meters, the FlowBox allows for custom tuning and fine-tuning of the system ratio. Run your system at any ratio from 3:1 to 1/4:1— whenever you want. System ratios change throughout the year as the weather temperatures change. Keep a perfect 1:1 or better, all year round, with a FlowBox. Flush the system with a simple twist of the stainless steel needle valve. Allows for removal of the standard drain/flush assembly. Mounts atop the EX/GX series chassis for easy viewing and adjusting. Easy wall mounting as well.

# GX SERIES

## GX SYSTEMS FEATURES

- 🌱 HIGH FLOW COLD WATER MEMBRANE ELEMENTS.
- 🌱 1:1 OR 2:1 SYSTEM RATIOS
- 🌱 THE MOST EFFICIENT IN THE INDUSTRY.
- 🌱 ELECTROGALVANIZED STEEL BRACKETS.
- 🌱 MEMBRANE FLUSH KIT.
- 🌱 2.5" STAINLESS STEEL LIQUID FILLED GAUGES.
- 🌱 ECO GREEN COCONUT CARBON FILTER RATED
- 🌱 HIGH FLOW PLEATED SEDIMENT FILTER, (COMPLETELY WASHABLE AND REUSABLE)
- 🌱 AUTO SHUT-OFF VALVE

SEE PAGE 10 FOR FLOW RATES

## GX1000



Part #	Carbon Capacity	Flow Rate	MSRP
GX1000	16,000 gallons	1000 GPD	\$1318.00
GX600	16,000 gallons	600 GPD	\$1085.00

The strategy behind the GX Series is simple: Build the highest quality, most efficient water filter, tuned specifically to meet the rigors of the industry. Each filter system is designed, hand built, and tested right here in the United States, using American made, top-of-the-line fittings and tubing.

All components are housed in steel powder-coated brackets fabricated in sunny Los Angeles, California.

The crown jewel of the GX Line is the GrowoniX High Flow Cold Water Membrane element, delivering a consistent rejection of 98.5% at a 1:1 ratio. No matter how big or small your water production needs are, the GX Line has a solution for you.

## NO ADDITIONAL PRE-FILTERS NEEDED

Designed to flow 42 gallons per hour for the GX1000 and 25 gallons per hour for the GX600 of pure RO water with an astounding 1:1 ratio - High flow rates and water savings never before seen in a package so affordable and durable. Utilizing the best membrane technology in the world, mounted on locking casters, and wrapped in our GX Series patented bracketing system, our premier flagship is a mobile powerhouse.

A pair of liquid-filled stainless steel pressure gauges informs when it's time to change the pre-filters. A manual flush valve allows you to clean the membrane, purging out pollutants that could otherwise add buildup to the system. Flushing adds considerable life to the membrane as well. For those who demand even more performance, the GX1000 and GX600 can be used with a booster pump, raising the system pressure to 150psi, doubling the gallon per day output.

### SYSTEM SPECIFICATIONS:

Flow Rate	GX1000 = 1000 GPD GX600 = 600 GPD
Max Flow Rate w/Booster Pump	GX1000 = 2000+ GPD GX600 = 1200+ GPD
Minimum Feed Pressure	40 psi
Recommended Feed Pressure	60 psi—80 psi
Recovery (system ratio 1:1)	50%
Operating Temperature	40°F—105°F
Operating pH	3-11
Dimensions LxWxH (in)	21x9x28
Weight	50 lbs.
Nominal % Rejection	98.5%
Maximum TS	2000 ppm
Minimum NACL Rejection	96%
Maximum Hardness	15 gpg

### GX400



**2:1  
RATIO**

Part #	Carbon Capacity	Flow Rate	MSRP
GX400	8,000 gallons	400 GPD	\$481.00

The GX400 Compact, sleek, and slender. Utilizing GrowoniX dual High Flow™ membranes, the GX400 is designed to flow 17 GPH (Gallons Per Hour) of pure RO water. Wrapped in our GX Series patented bracketing system, and monitored by a liquid-filled stainless steel pressure gauge, our GX400 will change the way you look at RO.

A manual flush valve allows you to clean the membrane, purging out pollutants that could otherwise add buildup to the system. Flushing adds considerable life to the membrane as well. This is a no-nonsense workhorse that has become the benchmark in every garden.

#### SYSTEM SPECIFICATIONS:

Flow Rate	400 GPD
Minimum Feed Pressure	20 psi
Recommended Feed Pressure	40 psi—80 psi
Recovery (system ratio 2:1)	33%
Operating Temperature	40°F—105°F
Operating pH	3-11
Dimensions LxWxH (in)	14x7x21
Weight	20 lbs.

### GX200



**2:1  
RATIO**

Part #	Carbon Capacity	Flow Rate	MSRP
GX200	8,000 gallons	200 GPD	\$315.00
GX150	8,000 gallons	150 GPD	\$315.00

The GX200-HF with a single GrowoniX High Flow™ membrane out-performs all other systems in the same class that utilize two membranes. When we developed the GX200-HF, we decided to pack all the high end features into a tight efficient RO unit. We engineered a 50% increase in water production over traditional ROs, lowered the waste ratio to 2:1, and still offered it to you for the same price point of an entry level RO filter. We topped it all off with a 2" stainless steel liquid-filled pressure gauge, never before seen in a filter this size, and integrated it into our patented GX Series bracketing system. A manual flush valve allows you to clean the membrane, purging out pollutants that could otherwise add buildup to the system.

GX200-HF = High Flow™ membranes for superior water production, a bit more TDS. 200 GPD.

GX150-HR = Ultra High Rejection membranes for the purest of water, a little less flow. 150 GPD.

#### SYSTEM SPECIFICATIONS:

Flow Rate	200 GPD
Minimum Feed Pressure	20 psi
Recommended Feed Pressure	40 psi—80 psi
Recovery (system ratio 2:1)	33%
Operating Temperature	40°F—105°F
Operating pH	3-11
Dimensions LxWxH (in)	14x7x21
Weight	20 lbs.

# EX SERIES

## EX SYSTEMS FEATURES

- 1:1 SYSTEM RATIO:
- THE MOST EFFICIENT IN THE INDUSTRY.
- HIGH FLOW COLD WATER MEMBRANE ELEMENTS.
- ELECTROGALVANIZED STEEL BRACKETS.
- STAINLESS STEEL LIQUID-FILLED PRESSURE GAUGES
- MEMBRANE FLUSH VALVE
- TALL PRE-FILTERS FOR DOUBLE THE CARBON CAPACITY

## THE NEW EX2000



1:1  
RATIO

The EX Series is efficiency at its best. We went back to the drawing board and asked the question, “How can we do the same thing we did with the GX Series, but do it at a special price point, one which opens the doors to everyone wishing to make purified water—without sacrificing the quality that is synonymous with the GrowoniX product line?”

With the EX Series, we were able to strip out all the non-essential components, and leave in all the high quality parts found in the GX Series. We reduced the manufacturing cost and passed that savings along to our customers. Along the way, we discovered something special: On the EX600 and EX1000, the new bracket we developed allowed us to use tall 20” pre-filters—nobody has ever done this. The amount of sediment and carbon pre-treatment just doubled.

The EX600-T and EX1000-T are offered at an unparalleled price point. Boasting the same processing power and upgradability as the GX Series—and still at a 1:1 ratio. If your water demands grow in the near future, just add a BP-Series booster pump and double your flow rate.

*(Chloramine removal requires KDF85/CAT carbon filter.)*

## NO ADDITIONAL PRE-FILTERS NEEDED

### SYSTEM SPECIFICATIONS:

Flow Rate	2000 GPD
Flow Rate w/Booster Pump	4000+ GPD
Minimum Feed Pressure	40 psi
Recommended Feed Pressure	60 psi—80 psi
Recovery (system ratio 1:1)	50%
Operating Temperature	40°F—105°F
Operating pH	3-11
Dimensions LxWxH (in)	21x9x28
Weight	50 lbs.
Nominal % Rejection	98.5%
Maximum TS	2000 ppm
Minimum NACL Rejection	96%
Maximum Hardness	15 gpg

Part #	Carbon Capacity	Flow Rate	MSRP
EX2000	17,000 gallons	2000 GPD	Call

Designed to flow 42 gallons per hour for the EX1000 and 25 gallons per hour for the EX600 of pure RO water, with an astounding 1:1 ratio. High flow rates and water savings never before seen in a package so affordable and durable. Utilizing the best membrane technology in the world. A pair of liquid-filled stainless steel pressure gauges informs when it's time to change the pre-filters. A manual flush valve allows you to clean the membrane, purging out pollutants that could otherwise add buildup to the system. Flushing adds considerable life to the membrane as well. For those who demand even more performance, the EX Series can be used with a booster pump, raising the system pressure to 150psi, doubling the gallon per day output. TALL pre-filters allow for twice the prefiltration, handling up to 34,000 gallons of chlorine or chloramine removal.



**1:1**  
RATIO

*(Chloramine removal requires KDF85/CAT carbon filter.)*

Part #	Carbon Capacity	Flow Rate	MSRP
EX1000-T	34000 gallons	1000 GPD	\$1093.00
EX600-T	34000 gallons	600 GPD	\$1019.00
EX1000	16000 gallons	1000 GPD	\$993.00
EX600	16000 gallons	600 GPD	\$927.00

### SYSTEM SPECIFICATIONS:

Flow Rate	EX1000/1000-T = 1000 GPD EX600/600-T = 600 GPD
Flow Rate w/Booster Pump	EX1000/1000-T = 2000+GPD EX600/600-T = 1200+ GPD
Minimum Feed Pressure	40 psi
Recommended Feed Pressure	60 psi—80 psi
Recovery (system ratio 1:1)	50%
Operating Temperature	40°F—105°F
Operating pH	3-11
Dimensions LxWxH (in)	21x9x28
Weight	50 lbs.
Nominal % Rejection	98.5%
Maximum TS	2000 ppm
Minimum NACL Rejection	96%
Maximum Hardness	15 gpg

# EX SERIES

## EX SYSTEMS FEATURES

- 🌿 HIGH FLOW COLD WATER MEMBRANES
- 🌿 2:1 RATIO
- 🌿 STEEL PRESSURE GAUGE
- 🌿 ELECTROGALVANIZED POWDER COATED BRACKET
- 🌿 GARDEN HOSE CONNECTOR INCLUDED
- 🌿 AUTO SHUT-OFF VALVE

The EX line is Designed to flow up to 16 GPH (Gallons Per Hour) of almost 0 ppm purified water. Shipped with a 2:1 system ratio — It's affordable, durable, and packed with features you would expect on a higher priced unit. Out-flowing all other RO's in the same class, with the same quality you would expect from a GrowoniX product.

The EX400 now comes in a TALL version—The EX400-T. Tall means more carbon and sediment filtration—16,000 gallons worth! Perhaps the coolest feature of the EX400-T is that when used with a BP-1530 booster pump, to get the input feed water pressure to 80psi, the filter can produce up 450 gallons per day. No little RO on the planet can match this.

## NO ADDITIONAL PRE-FILTERS NEEDED

### Accessories for all EX100-400 GPD Systems:

- BP-1530 booster pump (raises input pressure to 80psi)
- KDF85 Catalytic Carbon Filter
- Float valve
- UV-1530 Ultraviolet Filter
- Float valve

Part #	Carbon Capacity	Flow Rate (GPD)	MSRP
EX100	8,000 gallons	100 GPD	\$225.00
EX200	8,000 gallons	200 GPD	\$259.00
EX400	8,000 gallons	400 GPD	\$359.00
EX400-T	16,000 gallons	400 GPD	\$455.00



**2:1  
RATIO**

### SYSTEM SPECIFICATIONS:

Flow Rate	100 GPD 200 GPD 400 GPD
Minimum Feed Pressure	40 psi
Recommended Feed Pressure	40 psi—80 psi
Recovery	33% (can be reduced for lower quality feed water)
Operating Temperature	40°F—105°F
Operating pH	3-11
Dimensions LxWxH (in)	14x7x21
Weight	20 lbs.

# PRODUCT MATRIX

## Notes on Carbon Capacity:

Total carbon capacity includes water that is going to drain, as with RO filters.

A GX1000-HF has a carbon capacity of 16,000 gallons — which means, at a 1:1 ratio, total RO production supported by a single carbon filter would be 8,000 gallons. A GX200-HF has a carbon capacity of 8,000 gallons — which means, at a 2:1 ratio, total RO production supported by a single carbon filter would be 2,666 gallons.

PART #	FLOW RATE	SYSTEM RATIO	FLUSH VALVE	CARBON CAPACITY	MEMBRANE	MINIMUM PRESSURE	BOOSTER PUMP	MSRP
EX4000	4000 GPD	1:1 (1/4:1 MAX)	Yes	68,000 gal	Ultra High Flow	40 psi	BP6040 (included)	\$4155.00
EX2000	2000 GPD	1:1	Yes	34,000 gal	Ultra High Flow	40 psi	BP6040	CALL
GX1000-Deluxe	2000 GPD	1:1	Yes	16,000 gal	Ultra High Flow	40 psi	BP6010-CH (included)	\$2533.00
EX1000-T Deluxe	2000 GPD	1:1	Yes	34,000 gal	Ultra High Flow	40 psi	BP6010 (included)	\$2226.00
EX1000-Deluxe	2000 GPD	1:1	Yes	16,000 gal	Ultra High Flow	40 psi	BP6010 (included)	\$2124.00
GX600-Deluxe	1200 GPD	1:1	Yes	16,000 gal	Ultra High Flow	40 psi	BP6010-CH (included)	\$2176.00
EX-600-T Deluxe	1200 GPD	1:1	Yes	34,000 gal	Ultra High Flow	40 psi	BP6010 (included)	\$2035.00
EX600-Deluxe	1200 GPD	1:1	Yes	16,000 gal	Ultra High Flow	40 psi	BP6010 (included)	\$1999.00
GX1000	1000 GPD	1:1	Yes	16,000 gal	Ultra High Flow	40 psi	BP6010, BP6010-CH	\$1318.00
EX1000-T	1000 GPD	1:1	Yes	34,000 gal	Ultra High Flow	40 psi	BP6010, BP6010-CH	\$1093.00
EX1000	1000 GPD	1:1	Yes	16,000 gal	Ultra High Flow	40 psi	BP6010, BP6010-CH	\$993.00
GX600	600 GPD	1:1	Yes	16,000 gal	Ultra High Flow	40 psi	BP6010, BP6010-CH ,BP1530	\$1085.00
EX600	600 GPD	1:1	Yes	16,000 gal	Ultra High Flow	40 psi	BP6010, BP6010-CH ,BP1530	\$927.00
EX600-T	600 GPD	1:1	Yes	34,000 gal	Ultra High Flow	40 psi	BP6010, BP6010-CH ,BP1530	\$1019.00
GX400	400 GPD	2:1	Yes	8,000 gal	High Flow	20 psi	BP1530	\$481.00
EX400-T	400 GPD	2:1	Yes	16,000 gal	High Flow	20 psi	BP-1530	\$445.00
EX400	400 GPD	2:1	Optional	8,000 gal	High Flow	40 psi	BP1530	\$359.00
GX200	200 GPD	2:1	Yes	8,000 gal	High Flow	20 psi	BP1530	\$315.00
GX150-HR	150 GPD	2:1	Yes	8,000 gal	HighRejection	20 psi	BP1530	\$315.00
EX200	200 GPD	2:1	Optional	8,000 gal	High Flow	40 psi	BP1530	\$259.00
EX100	100 GPD	2:1	Optional	8,000 gal	Standard	40 psi	BP1530	\$225.00
XL Scrubber	7 GPM	NA	NA	34,000 gal	NA	1 psi	EP-2	\$461.00
Lil Boss Deluxe	3 GPM	NA	NA	16,000 gal	NA	1 psi	DDP-4-Vari	\$386.00
Lil Boss	3 GPM	NA	NA	16,000 gal	NA	1 psi	DDP-4-Vari	\$32300
SlimScrub	2 GPM	NA	NA	16,000 gal	NA	1 psi	DDP-4-Vari	\$187.00
Mini Scrub	1GPM	NA	NA	8,000 gal	NA	1psi	BP1530	\$110.00

# PUMPS



## PUMP SYSTEMS FEATURES

- INDUSTRIAL GRADE DESIGN
- RATED FOR CONTINUOUS DUTY.
- PRESSURE BOOSTING UP TO 180 PSI.
- WATER DELIVERY UP TO 100 GPM.
- CUSTOM SHUT-OFF SOLUTIONS.

It's all about Pumps. Low water pressure and cold water are just a few of the factors that can adversely effect your water production and gadrdening efficiency. At GrowoniX, water delivery and pressure boosting might just be two of our favorite topics.

We carry a complete line of custom built pumps to meet every water demand. Low water pressure is no longer an issue. Our commercial/industrial grade pumps are ready for continuous duty and years of trouble free of duty. With a GrowoniX pump, your water demand is guaranteed to be met.

## BP-6040

4000+ GPD with only 110 volts of power—beat that! DOUBLES pure water production for the EX2000-HFT and is standard on the EX4000-HFT water filters. The pump only needs 30psi of incoming water pressure to produce the full flow rate! Low pressure cutoff to safeguard the pump against a loss of incoming water pressure. Stainless steel liquid filled 300 psi system pressure gauge. Can be controlled manually or with our electric shutoff kit (ESOK).



Part #	MSRP
BP-6040	Call



### BP-6010-CH

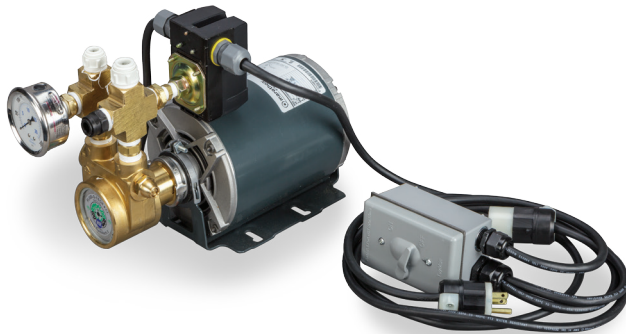
DOUBLES pure water production for the GX/EX600-1000 water filters. Splash Guard™ chassis connects directly to the GX600/ GX1000. The pump only needs 30psi of incoming water pressure to produce the full flow rate! Low pressure cutoff to safeguard the pump against a loss of incoming water pressure. Stainless steel liquid filled 300 psi system pressure gauge. Can be controlled manually or with our electric shutoff kit (ESOK).

Part #	MSRP
BP6010-CH	\$753.00

### BP-6010

DOUBLES pure water production for the GX/EX600-1000 water filters. The pump only needs 30psi of incoming water pressure to produce the full flow rate! Low pressure cutoff to safeguard the pump against a loss of incoming water pressure. Stainless steel liquid filled 300 psi system pressure gauge. Can be controlled manually or with our electric shutoff kit (ESOK).

Part #	MSRP
BP-6010	\$683.00



### BP-6010-REC (RECYCLER)

Recycling circuit reduces system ratio (as low as 1/4:1) and DOUBLES pure water production for the GX/EX600-1000 water filters. The pump only needs 30psi of incoming water pressure to produce the full flow rate! Low pressure cutoff to safeguard the pump against a loss of incoming water pressure. Stainless steel liquid filled 300 psi system pressure gauge. Can be controlled manually or with our electric shutoff kits (ESOK).

Part #	MSRP
BP-6010-REC	\$763.00

### ELECTRIC SHUT OFF KIT (ESOK)

An essential add-on to almost any water filter! Shuts down feed water before the water filter. Controls on/off cycling of high pressure booster pumps. The electric shutoff kit consists of a float switch and solenoid valve. Mount the float switch in your water tank or nutrient storage tank. Install the solenoid valve on the front end of your water filter. When the tank level decreases to the desired amount, the float switch opens the solenoid valve, the booster pump (if installed) powers on, and the water system begins refilling the storage tank.

Part #	MSRP
ESOK	\$231.00



# PUMPS



## BP 1530

This little pump will raise the input water pressure to 80psi on every reverse osmosis filter from the EX100 through the GX600—amazing little pump. Adjustable output pressure, designed for continuous duty, and armed with overheat protection. Built in high pressure cutoff allows for easy use with float valves or faucets. 12,000 hours of brush life makes this little pump a GrowoniX standard workhorse.

Part #	MSRP
BP-1530	\$227.00

## EP-2

The EP-2 is the ultimate water delivery pump. With a flow rate of 6.5 GPM, the EP-2 can move water from one end of the garden to the other in a flash. Integral as a feed pump and effluent pump for GrowoniX delivery systems, the EP-2 can withstand the most rigorous of duties. Built in high pressure cutoff allows for easy use with solenoid valves, manual shutoff valves, watering wands, hose sprayers, misters, or faucets.

Part #	MSRP
DDP-6	\$189.00



## DDP-4VARI

This unique variable speed pump is unlike no other. At 4 GPM, it's variable speed capability speeds up and slows down according to the water demand—digitally controlled flow rate. As multiple valves are opened, increasing the demand, the DDP-4VARI speeds up to make sure water is delivered as needed—4GPM max. Built-in high pressure cutoff allows for easy use with solenoid valves, manual shutoff valves, watering wands, hose sprayers, misters, or faucets. Automatic shutoff after 2 minutes of wide-open flow (safety feature). Needs 12psi of forward pressure to remain running, or safety shutdown occurs.



Part #	MSRP
DDP-4Vari	\$325.00

## CHEMICAL INJECTION PUMP

Inject antiscalants into the membrane element(s) and allows system ratios as low as 1/4:1. Enables membrane elements to last for years before changing. Also used to inject various solutions into the feed water to help with boron, iron, bacteria, and other common feed water issues.

Part #	MSRP
CIP	\$558.00

- Easy 5 minute setup
- Adjustable dose rates
- Manual priming switch
- Comes with replacement pump hose.\*



*\*Hoses should be replaced every year*



## SUBMERSIBLE PUMPS

There is no better submersible pump on the planet. The Growonix SP-1 is made to run non-stop for 10 years. Oil-free in design, and all components are non-corroding, non-reactive stainless steel. Our custom open-impeller delivers approximately 40GPM with only 3 amps of 110V power. Available in manual or automatic shut-off. Automatic shutoff models start pumping we fluid levele reach 12", and stop pumping when fluid level reaches 6". The low suction kit forces the pump to draw from the lowest reaches of the tank or reservoir—1/8" from the bottom. Awesome pump water for water transfer, plant feeding, reservoir mixing/draining, ponds, etc...

Best part yet, "5 YEAR NO FAULT WARRANTY!"

Part #	MSRP
SP-1M (manual shut-off)	\$281.00
SP-1A (auto shut-off)	\$281.00
Low Suction Kit	\$31.00

## DDP-20

The staple of whole house RO pumps and raw water delivery with finesse. The DDP-20 is a supreme water delivery pump at approximately 24GPM. Auto shut-off when the flow rate declines under .7GPM. 'Whole lotta' water delivery with only 110V of power. Ultra quiet and gracefully compact. Just fill the prime port, plug it in, and your off to the 'water races'. Additional pumps can be stacked to multiply the flow rate—no limits with the DDP-20

- 20 GPM Water Flow Rate
- Perfect for big garden water transfer
- Stack Multiples for Added Flow Rate
- Auto Shut-Off Circuitry



Part #	MSRP
DDP-20	\$897.00

# RECYCLING

## RECYCLING IS FOR:

- HIGH VOLUME WATER MAKERS.
- CUSTOMERS WITH LIMITED VOLUMES OF FEED WATER (SHALLOW WELL)
- ECOLOGICALLY MINDED INDIVIDUALS.
- ANYONE WHO WANTS TO CUT THEIR RO FILTERED WATER USE DOWN BY 75%.



## WHY RECYCLE?

Want better than 1:1? The GrowoniX Recycler Series will give you just that—systems ratios as low as 1/4:1 (drain/product). That's .25 gallons of drain water to 1 gallon of purified RO water. All this is accomplished through the Recycle Loop.

Here's how it works:

A recycle loop takes a portion of the concentrate flow which would have otherwise gone to drain and returns it to the feed of the RO pump in a continuous loop. Reducing the concentrate flow to drain achieves a higher system "recovery" percentage. Pump sizing needs to take into consideration the additional flow coming from the concentrate recycle loop. Careful attention must be paid to the feed water analysis. Concentrating the waste stream to a higher degree can only be done to a certain point before fouling will occur in the membranes. This fouling point will vary with each feed water supply.

## ANTISCALANT

Food grade antiscalant, 100% rejected by RO membranes. Used to reduce system ratios to as low as 1/4:1. A must for hard water treatment, membrane longevity, and ultra efficient water production.



Part #	MSRP
Antiscalant 5 gallons	\$ 600.00

## RECYCLER FLOW BOX

Allows the drain water from the RO to be routed back through the membrane for another pass of filtering. Stainless needle valve for adjustment of Recycling volume and system ratio setting.

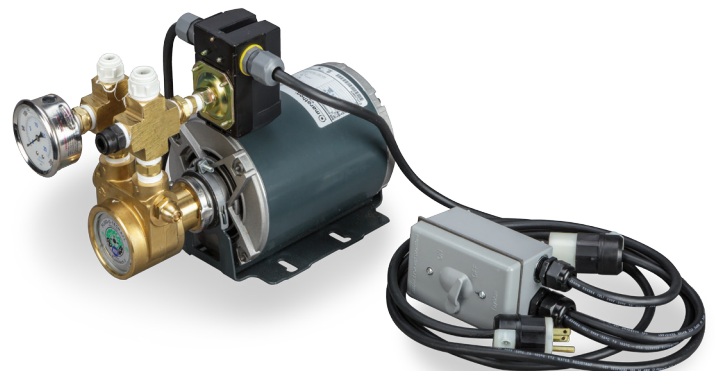
Part #	MSRP
Flow Box Recycler	\$ 539.00



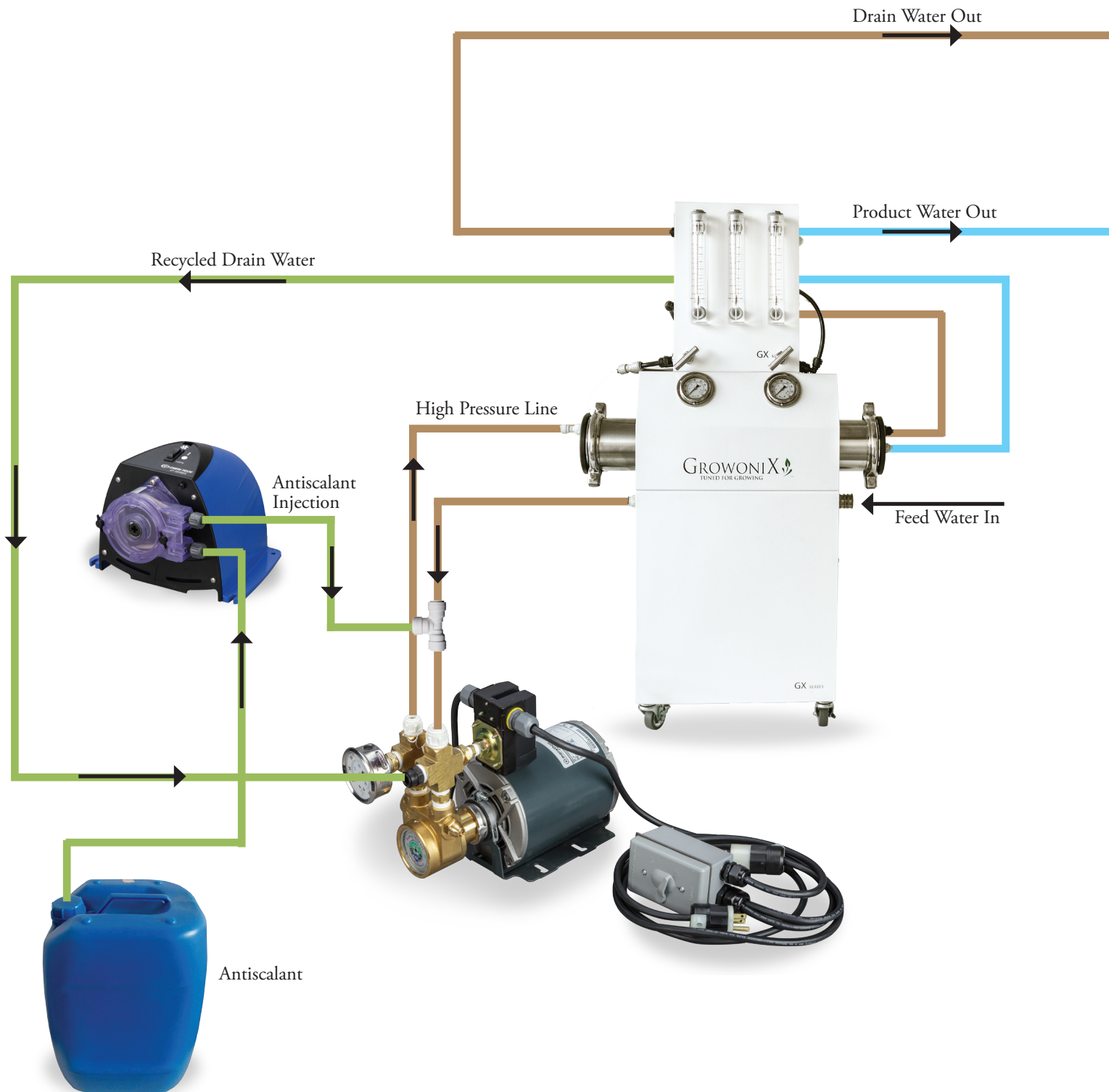
## RECYCLE PUMP

Reduces system ratio (as low as 1/4:1) and DOUBLES pure water production for the all GX/EX600-1000 water filters. The pump only needs 30psi of incoming water pressure to produce the full flow rate! Low pressure cutoff to safeguard the pump against a loss of incoming water pressure. Stainless steel liquid filled 300 psi system pressure gauge. Can be controlled manually or with our electric shutoff kit.

Part #	MSRP
BP-6010-REC	\$763.00



## RECYCLING CIRCUIT DIAGRAM



# SCRUBBERS

## SCRUBBER FEATURES

- 1 GPM—7 GPM FLOW RATES.
- PATENTED ELECTROGALVANIZED BRACKETS.
- OPTIONAL UV FILTER FOR 99.9% BACTERIA & VIRUS ERADICATION.
- SHIPS FULLY ASSEMBLED.

Need a lot of water fast? Just want to get out the sediment, chlorine, or chloramines out on the quick? How about filtered water delivered at 3 GPM with no waste. Different than a reverse osmosis system, this easy-to-use, fully assembled water filter hooks right to your garden hose and scrubs out the dirt and disinfectants. Great for soil based gardens, protecting beneficials and micro-organisms from the harmful effects of chlorine and chloramine.

Nothing has been overlooked when we created our Scrubber line. We use the finest American-made components, and build them by hand right here in the United States. GrowoniX offers a full line of scrubbers to suit gardens of every size.



*(Chloramine removal requires KDF85/Catalytic carbon filter.)*

## XL SCRUBBER

Our biggest scrubber with a flow rate of 7 GPM/420 GPH! The XL Scrubber has proven to be the perfect solution in a multitude of conditions. Great for whole house filtration, farms, homes, industry, etc... The XL-SCRUB with its ultra low pressure drop and 34,000 gallon capacity is great for filtering wells. A pair of stainless steel liquid filled pressure gauges inform when it's time to change filters. The XL Scrubber can be upgraded with a UV filter to remove 99.9% of micro-organisms. This is especially important for well-water use, as wells often are suffused with bacteria and other harmful microbes.

Part #	Carbon Capacity	Flow Rate	MSRP
XL Scrubber	34,000 gallons	7 gpm	\$461.00



## SEDI-SCRUB XL

Simple high-flow sediment removal with a pressure gauge and mounting bracket. Great add-on to existing systems that need more sediment removal. Try it with a 1 micron spun sediment filter—watch it capture all the big stuff! Shown with quick-connect PEX fittings, as it ships with out EX4000-HFT. Also available with numerous other pre/post fittings—just ask!

Part #	MSRP
Sedi-Scrub XL	\$157.00



### LIL' BOSS SCRUBBER

At 3 GPM, The lil'BOSS can handle just about any size garden. It's Eco Green carbon filters can handle up to 16,000 gallons of treatment before it's time for a filter change. Flowing 180 GPH, the lil'BOSS' high flow filters offer almost zero pressure drop. Equipped with dual stainless steel liquid filled pressure gauges and brass hose fittings, the lil'BOSS is the benchmark for de-chlorinated water.

Part #	Carbon Capacity	Flow Rate	MSRP
Lil Boss	16,000 gallons	3 gpm	\$323.00

### LIL' BOSS DELUXE SCRUBBER

All the features of the lil'BOSS wrapped and protected in our patented Roller Chassis™. The lil' BOSS Deluxe goes everywhere you go. The Roller Chassis™ makes reaching the far ends of the garden simple. The chassis is weather resistant, durable, and will be around for years to come. Lockable casters allow the filter to be solidly parked if needed. With a flow rate of 180 GPH, the lil'BOSS Deluxe can absolutely handle any size garden.

Part #	Carbon Capacity	Flow Rate	MSRP
Lil Boss Deluxe	16,000 gallons	3 gpm	\$386.00



### MINI SCRUBBER

Our simplest filter. The mini-SCRUB with it's NSF61 listed Greencarbon™ removes 99% of chlorine and 90% of sediment from the feed water. The mini-SCRUB is ideal for a wide range of uses and boasts a remarkable flow rate of 1 GPM—that's 60 gallons per hour! No more waiting for de-chlorinated water. The mini-SCRUB is perfect for those who add expensive beneficial biological organisms to their grow media. The mini-SCRUB insures that the complex microbiology flourishing in the grow media will not be destroyed by harmful chlorine. For those with tap water that contains chloramines, the mini-SCRUB can be upgraded with a KDF/CAT carbon filter.

Part #	Carbon Capacity	Flow Rate	MSRP
Mini Scrubber	8,000 gallons	1 gpm	\$110.00

### SLIM SCRUBBER

A step up from the mini-SCRUB. The Slim-SCRUB with it's higher capacity filters, removes 99% of chlorine and 90% of sediment from the feed water. The Slim-SCRUB is ideal for a wide range of uses and boasts a remarkable flow rate of 2 GPM—that's 120 gallons per hour! The Slim-SCRUB flows fast enough to operate a garden hose sprayer, making it perfect for water outdoor gardens. The Slim-SCRUB is ideal for those who add expensive beneficial biological organisms to their grow media. The Slim-SCRUB insures that the complex microbiology flourishing in the grow media will not be destroyed by harmful chlorine. For those with tap water that contains chloramines, the Slim-SCRUB can be upgraded with a KDF/CAT carbon filter.

Part #	Carbon Capacity	Flow Rate	MSRP
Slim Scrubber	16,000 gallons	2 gpm	\$187.00



# COMMERCIAL NUTRIENT DELIVERY SYSTEMS

## No More Hand Watering!

After years of intensive research and development, we've finally mastered the nutrient delivery system (NDS). Brought to you in a package never before seen, and guaranteed to exceed all your expectations. Our NDS utilizes both recycling and drain-to-waste configurations. Master growers now have control over every gallon of water in the nutrient tank.

Tired of managing the feed schedules and nutrient mixing of multiple gardens? Tired of wasting thousands of dollars in nutrient as it flows down the drain? The days of top feed drain-to-waste are over. The days of minimal run-off are over. Water for 1/2 hr and flow 10 gallons of nutrient solution over a 6" rockwool cube! Rinse away all buildups! You'll never see nutrient lockout again.



## Now one Person Can Water 100 Lights in 5 minutes!

- Fully Automated Nutrient Delivery Systems (NDS).
- Recycle and/or Drain to Waste configurations—run both! We do.
- Complete control of the nutrient delivery at the touch of a button.
- Ever dream about a nutrient delivery system that can water a thousand plants and not waste a gallon of water ?

## Introducing the GrowoniX Feed Halo.

Can you say, “Quick Connect?” That’s right, GrowoniX quick connect Feed Halos embrace your plants in a watery ring of nutrient solution. Feed Halos are made right here in the USA by us, and are customizable to fit your garden and our circuit design. Connect them around your plants in the vegetative room, and leave them on till harvest. Moving plants from room to room, from system to system, from vegetative to flowering has never been easier. All GrowoniX Feed Halos are flow-tuned, ensuring equal flow rates from Halo to Halo.

Custom manufacturing includes appropriate diameter, proper hole spacing, and desired tunable flow rate. Quick Connect fittings allow for easy transplant between rooms. Made from ultra-durable NSF approved food grade tubing, your Halos will last for years to come.

- No more multi-line drippers for each plant site.
- No more clogged 1/8” feed lines.
- No more 1/2” lines that flow way too much water.
- No more complicated valving and circuit design.



# NUTRIENT DELIVERY SYSTEMS (NDS)

WHEN IT COMES TO NUTRIENT DELIVERY SYSTEMS, OFTENTIMES, CERTAIN APPLICATIONS REQUIRE SOMETHING MORE THAN AN OUT-OF-THE-BOX SOLUTION.

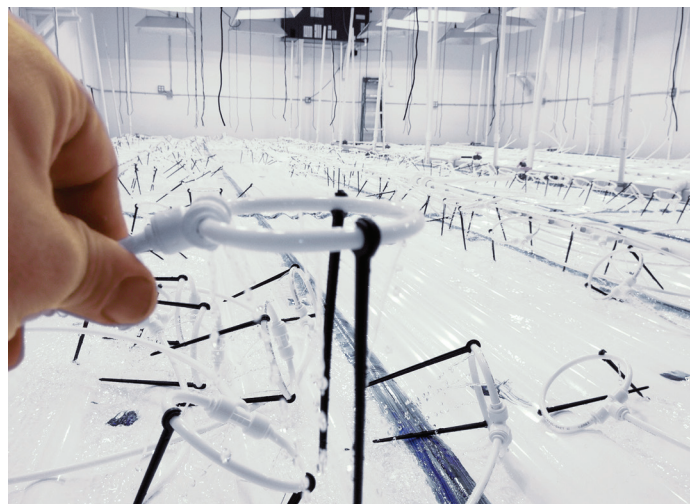


The heart of any NDS, the place where the “Master Brewer” spends most of his time—the tank. With the press of a button, or command from a mobil phone, any number of plants can be watered automatically. Important feedback like runoff PPM and pH can be monitored as it flows back from the tables at 180GPM, allowing gardeners to assess accurate levels of nutrient uptake. With the twist of a valve, water from the nutrient tank or tables can be sent to the drain, stabilizing the nutrient solution or preparing the tank for a new mix of nutrient.

Feed and drain lines are automatically purged after every feeding, ensuring a purity of feed line environments.

## The GrowoniX NDS design is unique.

- All Feed Halos can be flow-tuned to ensure absolutely equal watering from the first Halo to the last — even if it’s 60 feet and 300 Halos down the table.
- Speed adjustable nutrient delivery pumps allow for slow gentle feeding to full blast flushing.
- Auto-sensing return pumps kick on when water appears in the drain line, and send all of the nutrient solution back to the tank (or to drain) just as fast as it’s delivered to the table.
- Post crop cleaning takes less than an hour with our food-grade cleaning solution—returning all plumbing lines to brand new status.



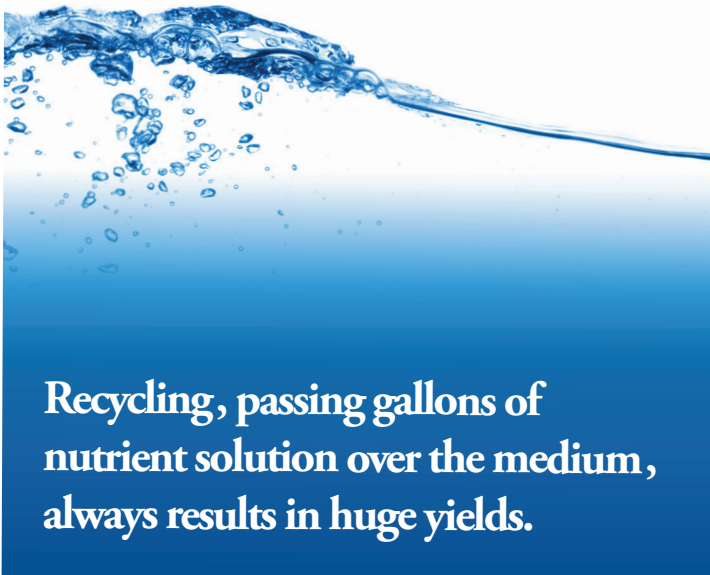
Tables design is either based on GrowoniX’ standard or any other custom layout that maximizes the efficiency and productivity of the garden. Table height, width, length, and flow rate, amongst other factors, are carefully planned out by us—removing all the mystery and subjectivity from a proper commercial agricultural installation.

## Why Not Ask For More ?

- More control over the feeding dynamics
- More attention to the nutrient solution
- More attention to the plants
- More attention to pruning and yo-yo'ing
- More attention to business dynamics as a whole
- More time with your family !



- Less water use
- Less nutrient costs
- Less labor
- Less labor management
- Less accidents
- Less failures



**Recycling, passing gallons of nutrient solution over the medium, always results in huge yields.**

## All Savings Below Are Based On:

100 Day Grow Cycle  
(transplant to Harvest)  
Hand Watering to Waste (DTW)  
\$2.50/gal Nutrient Costs  
\$15/Hour Labor Rate  
33% Production Increase

100 LIGHT SYSTEM	DTW, HAND WATER	GROWONIX SYSTEM	SAVINGS	VALUE
LABOR	1500HRS	70HRS	1,430 HOURS	\$21,450
NUTRIENT	60,000GAL	28,000GAL	32,000GAL	\$80,000
WATER	60,000GAL	28,000GAL	32,000GAL	PRICELESS
PRODUCTION INCREASE				33% INCREASE

# TRAY BASED NUTRIENT DELIVERY SYSTEMS

## For the Smaller Gardens:

Finally—A completely automated top-feeding plant system that embraces the utmost efficiency, while combining the highest possible yields. Simply set the feed timer to desired feed times—and let the system do the rest. Free up time to for more important aspects of gardening—and living.

GrowoniX Nutrient Delivery Systems can be run with virtually any plant medium—rockwool chunk, rockwool cubes, coco, clay rocks, and even dirt! Finer mediums require finer RP Sediment Filters

## TRAY BASED NDS FEATURE:

- ✦ AUTOMATED RECIRCULATING & DRAIN-TO-WASTE NUTRIENT DELIVERY.
- ✦ ANTI-SIPHONING VALVES.
- ✦ QUICK CONNECT FEED HALOS.
- ✦ PT-1D PUMP CONTROLLER
- ✦ PRE-PLUMBED TANKS WITH PH DOSING PORTS.
- ✦ STAINLESS STEEL SUBMERSIBLE FEED PUMP.
- ✦ DRY-RUN SIPHONING EFFLUENT PUMPS.

Effluent pumps  
return nutrient solution  
back to tank or drain.

Pre-plumbed Feed Tank  
with Delivery Pump

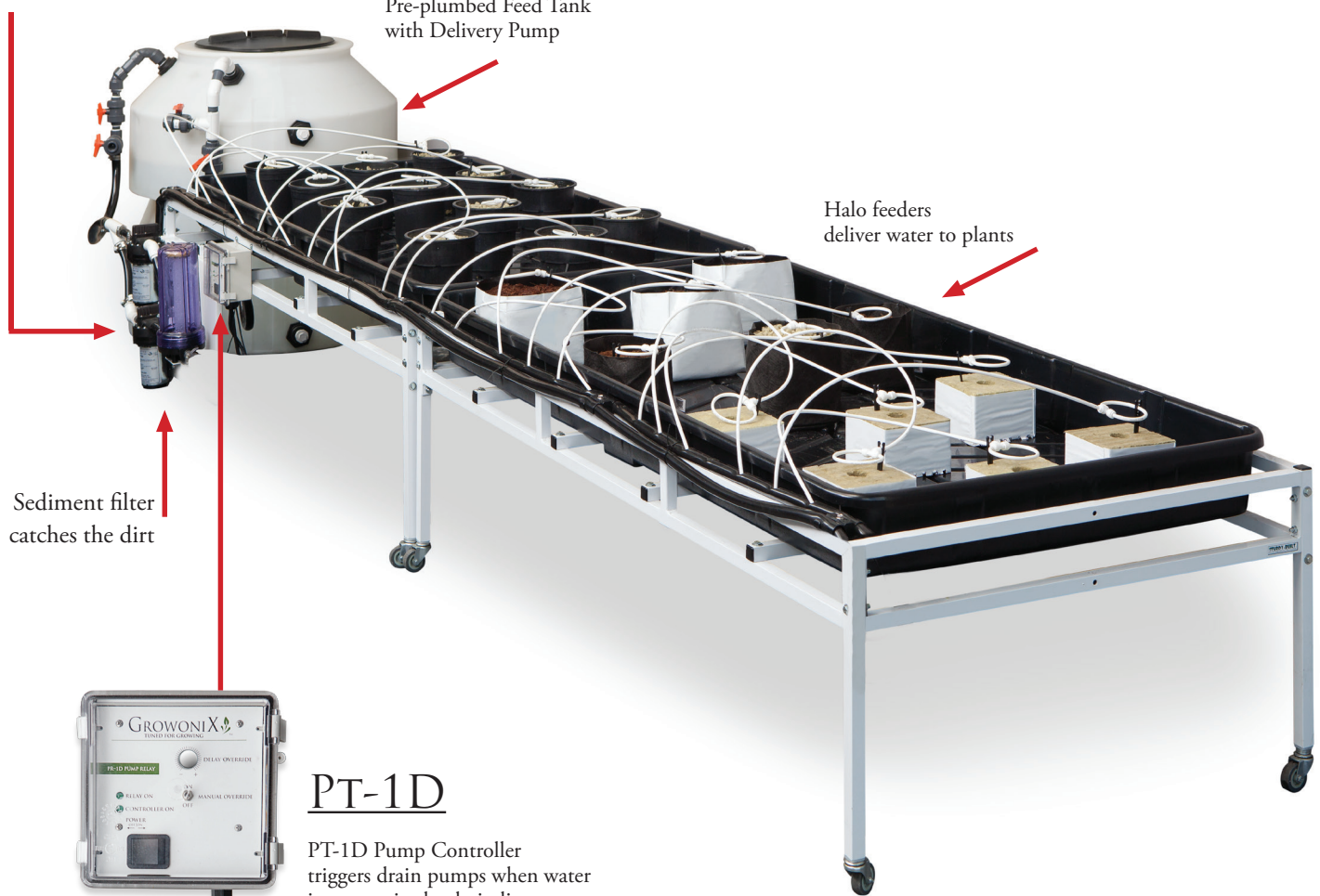
Halo feeders  
deliver water to plants

Sediment filter  
catches the dirt



### PT-1D

PT-1D Pump Controller  
triggers drain pumps when water  
is present in the drain line



## PH DOSER

Every GrowoniX NDS has at least one pH doser at the helm. Why spend redundant hours pH'ing tanks? Let the doser do it!



- Fully programmable to handle any tank size
- Upgraded probe for perfect accuracy
- Accepts BNC extensions for larger tanks
- Manual dosing if needed — at the touch of a button
- Just fill your pH reservoir with a solution and step away

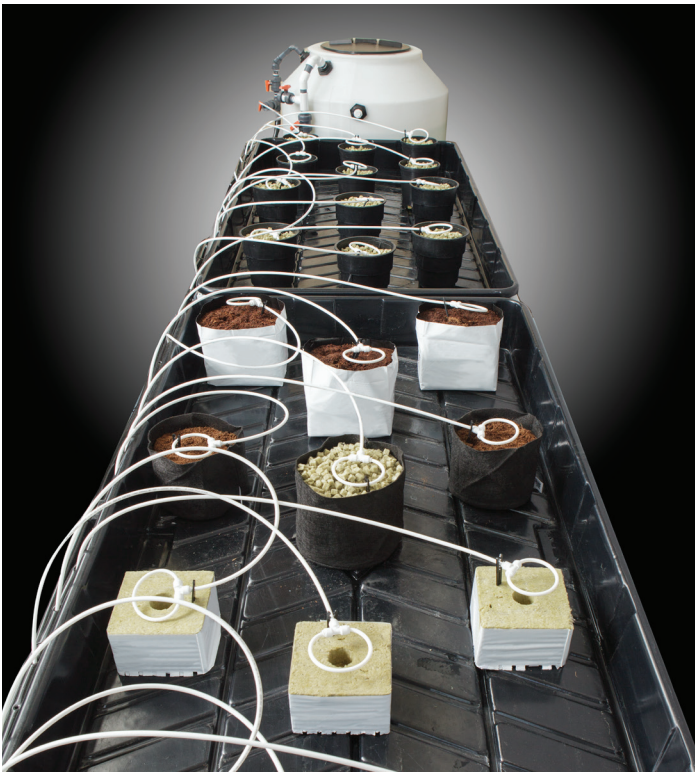


Although we prefer rockwool for cleanliness and control over the medium, GrowoniX Nutrient Delivery Systems work with any medium.

## PT-1D



- *Precise control over effluent water*
- *Fully adjustable to handle a variety of plumbing*
- *PLC controllable*



# DRINKING WATER SYSTEMS

## ALKALINE DRINKING WATER

Reverse Osmosis removes virtually every ion from the feed water producing laboratory quality water. Although great for many uses, in almost every case, RO water is slightly acidic and lacking in mineral content.

GrowoniX has developed a revolutionary line of Alkaline water filters, adding essential minerals, and raising the pH—producing the finest quality alkaline mineral water, right at your fingertips. The ALK-US is a four stage filtration and remineralizing system. Water moves through the first three stages where 98.5% of the impurities found in feed water are removed. The fourth stage, comprised of Calcor, negative ion emitting ceramics, and kdf 85, infuse the filtered water with minerals and ions, raising the pH, creating mineralized alkaline drinking water.



*\* Clear housings are for display purposes only.*

## ALKALINE UNDER SINK KIT

The Alkaline Under Sink System utilizes a storage tank, so that you have 3 gallons of alkaline water available to you and your family at all times. Larger tanks are available. Installation generally takes 30 minutes or less. System includes an elegant chrome faucet for water dispensing.

*Complete 150 or 300 gallon per day RO system with Alkaline Remineralizing Cartridge, 3 gallon tank, Faucet, Tubing, and Filter Wrench.*

## ALKALINE SYSTEMS FEATURE:

- 150 OR 300 GALLON PER DAY SYSTEMS
- ULTRA HIGH REJECTION MEMBRANES
- MEMBRANE FLUSH VALVE
- ALKALINE REMINERLIZING CARTRIDGE
- STAINLESS FAUCET
- 3 GALLON TANK (BIGGER TANKS AVAILABLE)
- KDF85 CATALYTIC CARBON FILTER



Part #	Carbon Capacity	Flow Rate (GPD)	MSRP
ALK-US-150	8,000 gallons	150 GPD	\$383.00
ALK-US-300	8,000 gallons	300 GPD	\$481.00

# BULKHEADS, TUBING, PEX, PVC

## UNION BALL VALVE

Part #	Size	MSRP
VA-B-12	1/2"	\$36.00
VA-B-34	3/4"	\$41.00
VA-B-1	1"	\$55.00
VA-B-15	1 1/2"	\$87.00
VA-B-2	2"	\$111.00



Rugged industrial ball valves with superior chemical resistance

HERE ARE JUST A FEW OF OUR POPULAR CONNECTORS THAT WE USE EVERYDAY TO PLUMB ALL KINDS OF INTERESTING CIRCUITS.



Tank Bulkheads with dual inner NPT threads. EPDM SEAL.

## BULKHEAD

Part #	Size	MSRP
FI-BH-12	1/2"	\$14.00
FI-BH-1	1"	\$16.00
FI-BH-15	1.5"	\$18.00
FI-BH-2	2"	\$24.00
FI-BH-25	2.5"	\$57.00



## UNION TEE.

Part #	Size	MSRP
FI-T-12-PEX	1/2"	\$14.00
FI-T-PEX	1"	\$18.00

## MALE CONNECTOR

Male NPT to PEX Quick Connect

Part #	Size	MSRP
FI-MC-12-PEX	1/2"	\$14.00
FI-MC-1-PEX	1"	\$18.00



## STEM CONNECTOR

Male NPT to male PEX stem

Part #	Size	MSRP
FI-SC-12-PEX	1/2"	\$10.00
FI-SC-1-PEX	1"	\$12.00



## UNION

Female quick connect PEX to female quick connect PEX

Part #	Size	MSRP
FI-U-12-PEX	1/2"	\$10.00
FI-U1-PEX	1"	\$12.00



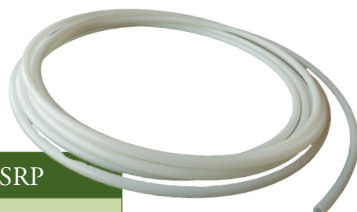
## UNION ELBOW

Female quick connect PEX elbow

Part #	Size	MSRP
FI-UE-12-PEX	1/2"	\$10.00
FI-UE1-PEX	1"	\$12.00

## PEX TUBING

Part #	Size	MSRP
FI-SC-12-PEX	1/2"	\$.60 / foot
FI-SC-1-PEX	1"	\$1.05 / foot



## VINYL TUBING

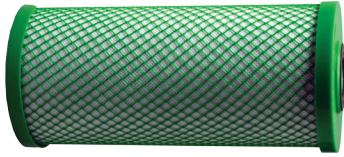
GrowoniX vinyl tubing has a wall thickness almost twice of anyone else. Super heavy duty. Other sizes available.

Part #	Size ID	MSRP
TU-V-34	3/4"	\$.65 / foot
TU-V-1	1"	\$.82 / foot



# REPLACEMENT FILTERS

## COCONUT CARBON FILTER— GREEN BLOCK



Green Coco: NFS61 Listed Greencarbon. High flow with a low carbon footprint. Superior chlorine removal..

Part #	Size	Capacity	MSRP	Description
CF-2510-GB	2.5"x9.75"	8000 gallons	\$16.50	Replacement Carbon for: EX100-400, GX150-400, Mini Scrub, ALK-US
CF-2520-GB	2.5"x20"	16000 gallons	\$31.00	Replacement Carbon for EX400-T, Slim Scrub
CF-4510-GB	4.5"x9.75"	16000 gallons	\$43.00	Replacement Carbon for the GX/EX600-1000, Lil' Boss, Lil' Boss Deluxe
CF-4520-GB	4.5"x20"	34000 gallons	\$88.00	Replacement Carbon for the EX600-4000-HFT (TALL versions), XL-Scrubber

## COCONUT CARBON FILTER—WHITE BLOCK



Economy: High purity coconut shell activated carbon filter. Excellent cost to performance value.

Part #	Size	Capacity	MSRP	Description
CF-2510-CC	2.5"x9.75"	8000 gallons	\$12.00	Replacement Carbon for: EX100-400, GX150-400, Mini Scrub, ALK-US
CF-2520-CC	2.5"x20"	16000 gallons	\$24.00	Replacement Carbon for EX400-T, Slim Scrub
CF-4510-CC	4.5"x9.75"	16000 gallons	\$35.00	Replacement Carbon for the GX/EX600-1000, Lil' Boss, Lil' Boss Deluxe
CF-4520-CC	4.5"x20"	34000 gallons	\$79.00	Replacement Carbon for the EX600-4000-HFT (TALL versions), XL-Scrubber

## KDF85/CATALYTIC CARBON FILTER



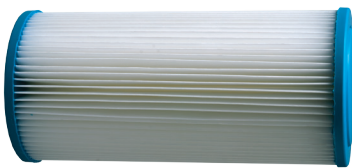
KDF/CAT. Bacteriostatic media controls growth of microorganisms. Good for water soluble metals removal, chlorine, chloramine, and scale. Highly reactive catalytic carbon, extremely porous and long lasting.

Part #	Size	Capacity	MSRP	Description
CF-2510-CC	2.5"x9.75"	8000 gallons	\$12.00	Replacement Carbon for: EX100-400, GX150-400, Mini Scrub, ALK-US
CF-2520-CC	2.5"x20"	16000 gallons	\$24.00	Replacement Carbon for EX400-T, Slim Scrub
CF-4510-CC	4.5"x9.75"	16000 gallons	\$35.00	Replacement Carbon for the GX/EX600-1000, Lil' Boss, Lil' Boss Deluxe
CF-4520-CC	4.5"x20"	34000 gallons	\$79.00	Replacement Carbon for the EX600-4000-HFT (TALL versions), XL-Scrubber

### Notes on Carbon Filters:

- 🌱 GreenBlock and Coconut Carbon are virtually the same thing. GreenBlock is made with a process that's more ecologically sensible — filtering power between the two is equal.
- 🌱 KDF85 Catalytic Carbon is the best. The best water carbon on the planet with a bed of pure KDF85. (Needs flushing upon initial startup and after filter changes—to remove carbon dust)
- 🌱 Pleated sediments are for high flow. They have low pressure drop but let more dirt through.
- 🌱 Spun sediment are for high dirt blocking. They have more pressure drop than pleated, are less expensive, and catch dirt better than any other sediment filter.

### SEDIMENT PLEATED



High flow pleated Sediment filter: This is a washable, reusable, and durable sediment filter with very low pressure drop. Bacteria and chemical resistant. Great for high flow applications and extended time between filter changes. Comes standard in most GrowoniX water filters.

Part #	Size	Capacity	MSRP	Description
SF-2510-PL	2.5"x9.75"	8000 gallons	\$14.50	Replacement Sediment for: EX100-400, GX150-400, Mini Scrub
SF-2520-PL	2.5"x20"	16000 gallons	\$20.00	Replacement Sediment for EX400-T, Slim Scrub
SF-4510-PL	4.5"x9.75"	16000 gallons	\$30.00	Replacement Sediment for the GX/EX600-1000, Lil' Boss, Lil' Boss Deluxe

### SEDIMENT SPUN



Spun polypropylene: A true multi-staged depth filter utilizing separate layers of micron filtration. Constructed spun polypropylene, these filters offer superior dirt holding capacity at an extremely economic price. Great filter for changing frequently, especially in well water applications, or with use in GrowoniX scrubbers.

Part #	Size	Capacity	MSRP	Description
SF-2510-SP	2.5"x9.75" Spun	8000 gallons	\$10.75	Replacement Sediment for: EX100-400, GX150-400, Mini Scrub, ALK-US
SF-2520-SP	2.5"x20" Spun	16000 gallons	\$14.00	Replacement Sediment for EX400-T, Slim Scrub
SF-4510-SP	4.5"x9.75" Spun	16000 gallons	\$19.00	Replacement Sediment for the GX/EX600-1000, Lil' Boss, Lil' Boss Deluxe
SF-4520-SP	4.5"x20" Spun	34000 gallons	\$37.00	Replacement Sediment for the EX600-4000-HFT (TALL versions), XL-Scrubber

# REPLACEMENT FILTERS



## GXM INDUSTRIAL MEMBRANES



These Dow sheet, American made membranes are the industries most reliable and highest performing reverse osmosis elements in the world. Advanced membrane technology and manufacturing processes ensure superior quality and unmatched performance. Ultra low energy design delivers high flow and high rejection at only 80psi. A must for cold water sources. Always at an industry leading 1:1 ratio.

Part #	Flow Rate	MSRP	Description
GXM-1000-HF	1000 gpd high flow membrane	\$329.00	High Flow Membrane replacement for EX/GX1000/2000/4000 including all TALL versions.
GXM-600-HF	600 gpd high flow membrane	\$280.00	High Flow Membrane replacement for EX/GX600 including all TALL versions.

## GXM HIGH FLOW COLD WATER MEMBRANES



GrowoniX brought these to our industry first. A single High Flow Cold Water Membrane able to produce 200 GPD at a 2:1 ratio. Get that water flowing and the ppm down with the GrowoniX GXM line of High Flow Membranes!

Part #	Flow Rate	MSRP	Description
GXM-200-HF	200 gpd high flow membrane	\$99.00	High Flow Membrane replacement for all RO filters 400GPD and under. Fits most other brands as well.
GXM-150-HR	150 gpd high rejection membrane	\$99.00	High ejection DOW Membrane replacement for all RO filters 400GPD and under. Fits most other brands as well. Ultra high rejection for the purest water. Great for drinking water.
GXM-100-HF	100 gpd high flow membrane	\$83.00	Membrane replacement for EX100.

## ALKALINE CARTRIDGE



Nine stage filter includes Calcor, negative ion emitting ceramics, and kdf 85. Infuses filtered RO water with minerals and ions, raising the pH to approximately 9.5-10.5—creating mineralized alkaline drinking water.

Part #	MSRP
ALK-INLINE	\$99.00
ALK-CART	\$99.00

## DI CARTRIDGE



Mixed bed deionization resin for polishing the final bits of TDS from RO water. For those who need absolutely pure water. Great for aquarium systems, or those with certain well water issues.

Part #	MSRP
DI-INLINE	\$31.00
DI-CART	\$34.00

## UV STERILIZATION



Stainless steel ultraviolet filtration to remove 99.9% of micro-organisms in your water supply. A must for well water treatment, whole house filter systems, or anytime water will be stored.

Part #	MSRP
UV-1530	\$149.00
UV-6010	\$215.00
UV-LB	\$413.00
UV-XL	\$491.00

## REMINERALIZING CARTRIDGE



Calcor bed infuses filtered RO water with calcium and magnesium, slightly raising the pH and creating mineralized drinking water.

*Clear housings are for display purposes only.*

Part #	MSRP
RM-INLINE	\$49.00
RM-CART	\$49.00

## THE MOST EFFICIENT, HIGHEST FLOWING MEMBRANES IN THE WORLD



GXM-1000HF 1000GPD @ 60 PSI • 2400 GPD @ 180 PSI

GXM-600HF 600GPD @ 60 PSI • 1400 GPD @ 180 PSI

FLOW RATED AT 77°F WATER TEMPERATURE

# COMPONENTS

## MEDIA TANKS

All shapes, all sizes

Dual Up Flow / Down Flow Designs

Quick Fill Port

### Perfect for:

- pH neutralizing
- Alkaline Media
- Iron Removal
- De-Ionization



## FLUSH KITS

Fits all GrowoniX RO filters

400 GPD and under.

Creates a bypass loop around the flow restrictor for unrestricted membrane flushing at line pressure.

Part #	MSRP
FLSKIT	\$19.00



## PPM METER



GrowoniX has partnered with Myron Company so we could bring you the highest quality, and most accurate PPM/TEMP meter in the entire industry. Meter measures to .01% accuracy. Completely potted internally. Making it 100% waterproof. Most durable meter on the market. The batteries last for 17000 on/off cycles.

Part #	MSRP
PT-1	\$179.00

## PH METER



GrowoniX has partnered with Myron Company so we could bring you the highest quality, and most accurate PH/TEMP meter in the entire industry. Meter measures to .01% accuracy. Completely potted internally. Making it 100% waterproof. Most durable meter on the market. The batteries last for 17000 on/off cycles.

Part #	MSRP
PT-2	\$179.00

## PRESSURE BLOCK

Fixed pressure regulator. Regulates incoming water pressure down to 70 PSI. Can be upsized to 3/8".



Part #	Size	MSRP
SHK-70	1/4"	\$35.00

## PRESSURE REGULATOR

Ajustable pressure regulator with liquid filled stainless steel gage, and 3/8" quick connects. Can be upsized to 1/2".



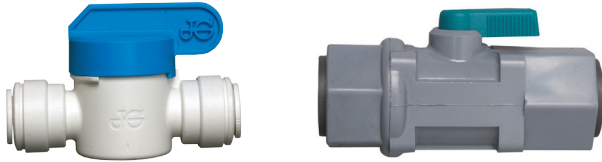
Part #	Size	MSRP
PR-ADJ	3/8"	\$72.00

### FEED VALVES



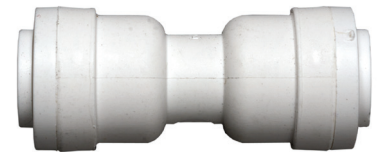
	Part #	MSRP	Description
1	VA-FV-1212	\$12.22	Feed Valve 1/2" plumbing with 1/2" quick connect and shut-off
2	VA-FV-1238-JG	\$18.45	Feed Valve 3/8" or 1/2" plumbing with 3/8" quick connect and shut-off
3	VA-FV-3838-TLC	\$10.42	Feed Valve 3/8" plumbing with 3/8" Quick Connect and shut-off
4	VA-FV-FD	\$18.50	Faucet Diverter, connects to faucet with switchable 3/8" compression feed
5	VA-FV-1238-TLC	\$12.05	Feed Valve 1/2" plumbing with 3/8" Quick Connects and shut-off
6	VA-FV-1238-ST	\$10.16	Feed Valve 1/2" plumbing with 3/8" compression and shut-off, steel.

### BALL VALVE



Part #	Size	MSRP
VA-B-14	1/4"	\$7.19
VA-B-38	3/8"	\$8.13
VA-B-12	1/2"	\$10.61

### UNION



Part #	Size	MSRP
FI-U-14	1/4"	\$4.73
FI-U-1438	1/4" x 3/8"	\$4.73
FI-U-38	3/8"	\$6.73
FI-U-3812	3/8" x 1/2"	\$6.73
FI-U-12	1/2"	\$7.73

### TEE



Part #	Size	MSRP
FI-T-14	1/4"	\$4.73
FI-T-38	3/8"	\$6.37
FI-T-12	1/2"	\$7.73

### UNION ELBOW



Part #	Size	MSRP
FI-UE-14	1/4"	\$4.73
FI-UE-38	3/8"	\$6.37
FI-UE-12	1/2"	\$7.73

# ACCESORIES

## TWO WAY DIVIDER

Part #	Size	MSRP
FI-2WD-14	1/4"	\$4.73
FI-2WD-38	3/8"	\$6.37
FI-2WD-12	1/2"	\$7.73



## TUBING

NFS/FDA approved high quality polyethylene tubing.

Part #	Size	MSRP
TU-14-B	1/4"	\$0.25/ft
TU-38-B	3/8"	\$0.35/ft
TU-12-B	1/2"	\$0.60/ft.



## THREE WAY DIVIDER



Divide one line into three lines.

Part #	Size	MSRP
FI-3WD-1438	3/8" x 1/4"	\$10.00
FI-3WD-1238	1/2" x 3/8"	\$12.00

## TUBING CUTTER



Cuts all sizes of polyethylene tubing.

Part #	MSRP
TC	\$7.00

## GARDEN HOSE CONNECTOR

For fast easy connection to garden hoses and hose spigots.

Part #	Size	MSRP
GHC-14	1/4"	\$6.50
GHC-38	3/8"	\$6.50
GHC-12	1/2"	\$9.44



## SHOWER FITTING

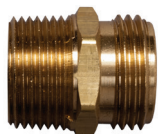
Convert 1/2" pipe to 3/8" feed line great for connecting to shower heads.

Part #	Size	MSRP
FI-SHOWER	1/2" x 3/8" QC	\$6.50



## MALE GARDEN HOSE ADAPTER

1/2" pipe to 3/4" Male Garden Hose, Brass. Great fitting to connect garden hose to 1/2" shower spout. Has 1/2" inner thread.



Part #	Size	MSRP
FI-BR-MGH	1/2" pipe x 3/4" MGH	\$5.75

## FLOAT VALVE



Part #	Size	MSRP
VA-F-14	1/4"	\$19.00
VA-F-38	3/8"	\$19.00
VA-F-1438	1/4" & 3/8"	\$21.19

## GARDEN HOSE SWIVEL



3/4" Garden Hose Swivel Coupler, Brass

Part #	Size	MSRP
FI-BR-FGH	3/4"	\$5.50

### THREE GALLON TANK

3 gallon diaphragm storage tank.  
See **Drinking Water** section for complete upgrade kits.

Part #	Size	MSRP
Tank-3G	3 Gallon"	\$49.99



### O-RING LUBRICANT

Food Grade O-ring Lubricant.  
A must for filter and membrane changes.

Part #	MSRP
LUBE	\$4.99



### FAUCET



Faucet add on for expanding your existing RO. See **Drinking Water** section for complete upgrade kits.

Part #	MSRP
Faucet	\$29.99

### FITTING CLIPS



Part #	Size	MSRP
CLIP-14	1/4"	\$ .10
CLIP-38	3/8"	\$ .12
CLIP-12	1/2"	\$ .15

### DRAIN CLAMP

Drain clamp for connecting wastewater line to plumbing.

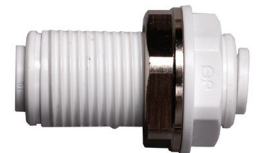
Part #	Size	MSRP
DWC-14	1/4"	\$4.50
DWC-38	3/8"	\$5.50



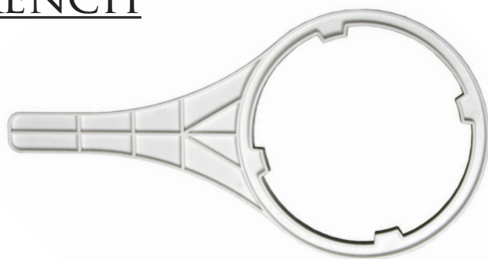
### BULK HEAD FITTING

Quick Connect clip perfect for securing tubing to quick connect fittings under high pressure. That extra bit of security we recommend.

Part #	Size	MSRP
BULK-38	3/8"	\$6.37
BULK-12	1/2"	\$7.73

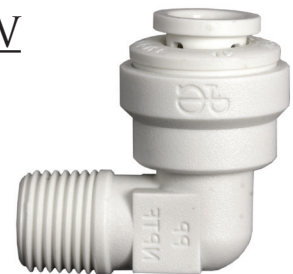


### WRENCH



Part #	Size	MSRP	Description
Wrench 2.5	2.5"	\$6.50	Wrench for EX100 through GX400, Mini Scrub
Wrench 4.5	4.5"	\$8.50	Wrench for GX600/1000, EX600/1000, Lil' Boss, Lil Boss Deluxe, XL Scrubber

### MALE ELBOW



Part #	Size	MSRP	Description
FI-ME-1814	1/8" NPT x 1/4" QC	\$2.67	Membrane Housing Fitting for EX100 through GX400
FI-ME-1438	3/8" NPT x 1/4" QC	\$3.73	Prefilter Housing Fitting for EX100 through GX400

# TANKS



## TANK FEATURES

- BLACK OR GREEN COLOR REDUCES ALGAE GROWTH AND BLENDS IN WITH THE ENVIRONMENT.
- UV STABILIZED FOR OUTDOOR USE.
- EXCELLENT IMPACT RESISTANCE
- COMES COMPLETE WITH THREADED INLET/OUTLETS AND A VENTED TWIST ENTRY.
- POLYETHYLENE RESIN COMPLIES WITH U.S. FOOD AND DRUG ADMINISTRATION REGULATION 21CFR 177.1520 (1) 3.1 AND 3.2 FOR STORAGE OF POTABLE WATER.
- MOST POPULAR SIZES ARE LISTED.
- SMALLER AND LARGER SIZES ARE AVAILABLE, FROM 20-20,000 GALLONS.
- 16" MANWAY LIDS ARE AVAILABLE ON ALL TANKS 55 GALLON AND LARGER.
- SPECIAL "DOORWAY" TANKS AVAILABLE FOR NARROW PASSAGEWAYS.

Part #	Size
TA-2038	55 Gallon, 20" x 38" , 4" Manway
TA-2342	65 Gallon, 23" x 42" , 8" Manway
TA-2349	75 Gallon, 23" x 49" , 8" Manway
TA-2364	100 Gallon, 23" x 64" , 8" Manway
TA-3536	110 Gallon, 35" cx 36" 8" Manway
TA-2376	130 Gallon, 23" x 76" 8" Manway
TA-3158	165 Gallon, 31" x 58" 8" Manway
TA-3172	200 Gallon, 31" x 72" 8" Manway
TA-3568	250 Gallon, 35" x 68" 8" Manway
TA-3581	300 Gallon, 35" x 81" 16" Manway
TA-4560	300 Gallon, 45" x 60" 16" Manway
TA-4676	500 Gallon, 46" x 76" 16" Manway

- **Water Storage**
- **Rainwater Catch**
- **Nutrient Delivery**
- **Brewing**
- **Winemaking**
- **Food Service**

## Customized Pump/Tank Combos:

- Customizable for any application
- Outfitted with pumps, valves, bulkheads, and quick connects
- Electric float switch or float valve pre-installed and calibrated
- Anti-siphon and nutrient delivery/mix circuits
- Custom hinged lids

Multi-purpose water storage tanks are great for storing safe drinking water, rainwater, emergency potable water, fire protection, and agriculture.

All Water Tanks are made from FDA approved Polyethylene, safe for human consumption.

Tanks do not hold pressure.

Additional colors: blue, green, white, tan & black.

IAPMO Certified. Specified IW series water tanks are IAPMO certified to comply with the California Lead Plumbing Law and NSF/ ANSI 61- ANEX



# GROWONIX

TUNED FOR GROWING



## 2015 CATALOG



THE MOST EFFICIENT WATER FILTRATION & PLANT FEEDING SYSTEMS