

GXM MEMBRANES

THE MOST EFFICIENT, HIGHEST FLOWING MEMBRANES IN THE WORLD

GXM-3000-HF

GXM-2700-HR



GXM-1000-HF

GXM-1000-HR



4" MODULES

GXM-600-HF

GXM-600-HR



GXM-800-HF



3" MODULES



HF = HIGH FLOW



HR = HIGH REJECTION



GXM-150-HR



GXM-200-HF



2" MODULES

PART #	DESCRIPTION
GXM-150-HR	150+ GPD High Rejection Membrane for EX100, EX/GX200, and EX/GX400
GXM-200-HF	200+ GPD High Flow Cold Water Membrane for EX100, EX/GX200, and EX/GX400
GXM-600-HR	600+ GPD Custom-rolled, High Rejection Cold Water Membrane for EX/GX-600
GXM-600-HF	600+ GPD Custom-rolled, High Flow Cold Water Membrane for EX/GX-600
GXM-800-HF	800+ GPD Custom-rolled, High Flow Cold Water Membrane for EX800-T
GXM-1000-HR	1000+ GPD Custom-rolled, High Rejection Cold Water Membrane for EX/GX-1000
GXM-1000-HF	1000+ GPD Custom-rolled, High Flow Cold Water Membrane for EX/GX-1000
GXM-2700-HR	2700+ GPD Custom-rolled, High Rejection Cold Water Membrane for CX Series
GXM-3000-HF	3000+ GPD Custom-rolled, High Flow Cold Water Membrane for CX Series

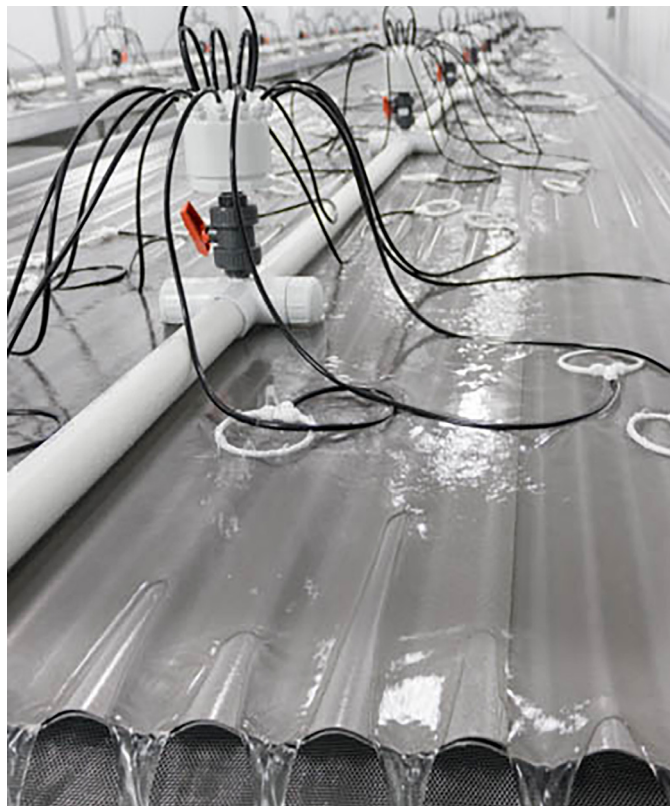


MOVING THE HYDROPONICS MARKET FORWARD

FIRST TO INTRODUCE:

- 🌱 1:1 AND 2:1 SYSTEM RATIOS.
- 🌱 LIQUID-FILLED GAUGES.
- 🌱 JOHN GUEST USA FITTINGS.
- 🌱 1000 GPD (AND GREATER) SYSTEMS.
- 🌱 INDUSTRIAL-GRADE PREMIUM MEMBRANES.
- 🌱 1 YEAR PARTS AND LABOR WARRANTY.
- 🌱 90-DAY WARRANTY MEMBRANES AND FILTERS.
- 🌱 DEDICATED TECH SUPPORT.
- 🌱 FREE WATER ANALYSIS.
- 🌱 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.



SIZING YOUR WATER SYSTEM

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 adjust 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.
- Maximum input pressure for plastic filter housings is 80psi.
- Stainless-steel membrane-housing pressure on GrowoniX EX/GX1000 Series, CX Series, and IX series, can handle 150psi (requires a booster pump).
- 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 EX200 (available upon request).
- Well-water is generally too dirty for small 2" RO membranes (100GPD through 400GPD systems). The large 4" membranes of the bigger systems (1000 GPD 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 foulant of membranes, and is treatable with either antiscalant injection or a water softener.



IX-SERIES

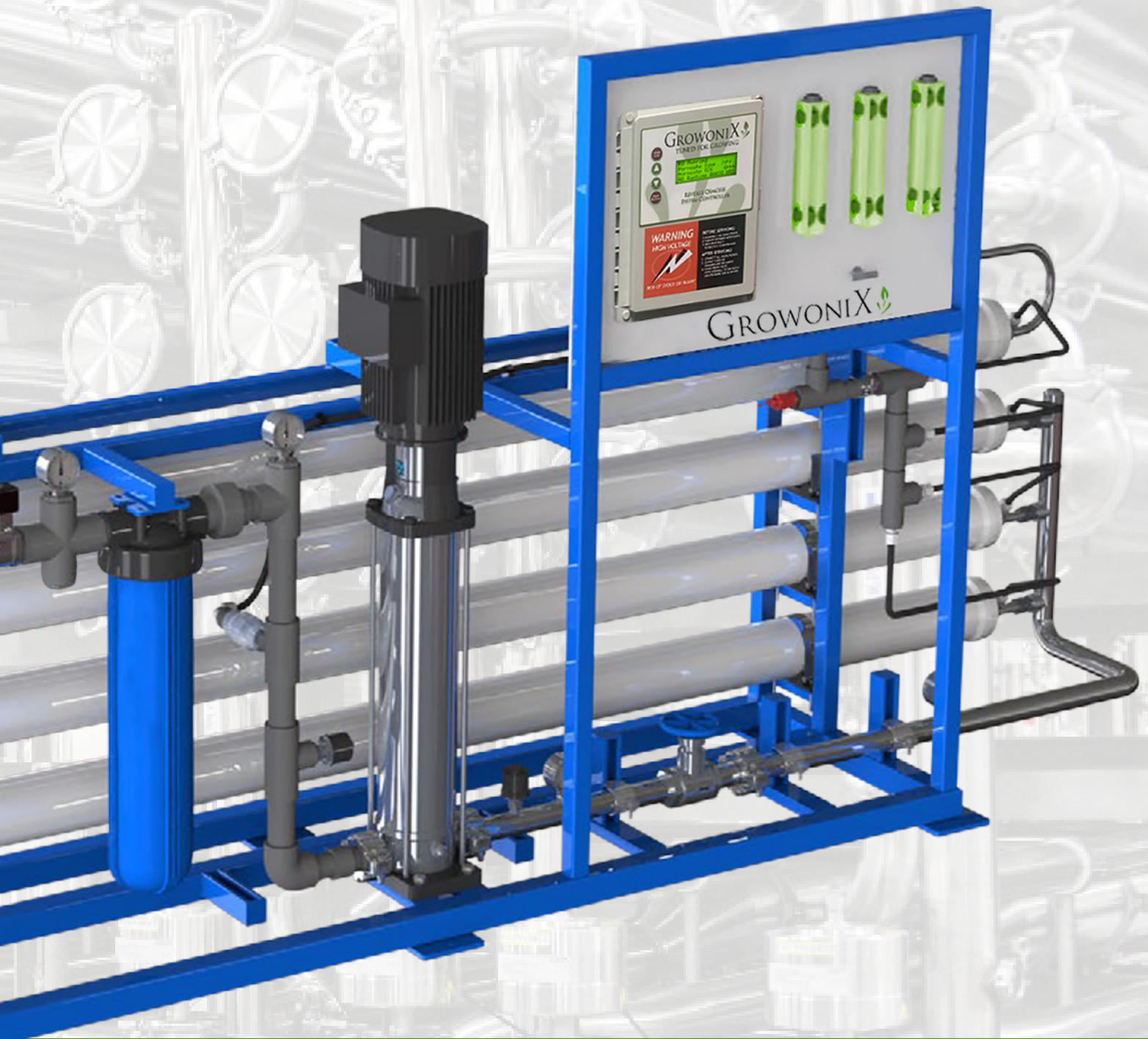
INDUSTRIAL GRADE EXCELLENCE IN WATER FILTRATION

- POWDER COATED CARBON STEEL FRAME.
- 8" TFC SPIRAL WOUND MEMBRANES.
- STAINLESS STEEL MULTI-STAGE PUMP WITH TEFC MOTOR.
- FRP MEMBRANE HOUSINGS.
- 5 MICRON CARTRIDGE PRE-FILTER.
- 460V/3PH/60HZ POWER REQUIREMENT.
- MICROPROCESSOR BASED CONTROL PANEL.
- PROGRAMMABLE TIME DELAY , SET POINTS.
- LCD SCREEN.
- MOTOR STARTER.
- NEMA 12 ENCLOSURE.
- LOW PRESSURE SWITCH.
- HIGH PRESSURE SWITCH.
- LIQUID FILLED PRESSURE GAUGES.
- PERMEATE CONDUCTIVITY MONITOR.
- PERMEATE & CONCENTRATE FLOW METERS.



INDUSTRIAL

FLOW RATES FROM 20,000—150,000 GPD



CX SERIES

COMMERCIAL GRADE EXCELLENCE IN WATER FILTRATION



CX-SERIES



HIGHEST FLOW RATES IN THE INDUSTRY WITH THE SMALLEST POSSIBLE FOOTPRINT.



- 🌿 High flow cold water extra low energy RO membranes.
- 🌿 4,000-21,000 Gallons Per Day.
- 🌿 Programmable digital RO controller with dual TDS and temp probes.
- 🌿 1:4 System ratios (1 gal drain to 4 gals purified water.)
- 🌿 Recycle circuit recycles drain water back through the system for a second pass.
- 🌿 Quick change carbon filters (CX4000 only).
- 🌿 Carbon flush valve (CX4000 with quick change carbon filters only.)
- 🌿 Tank float switch.
- 🌿 Stainless steel vertical multi-stage pumps.
- 🌿 Automatic high-pressure flush.
- 🌿 Permeate flush.

CX SERIES FEATURES



ROC-5 CONTROLLER

ALL THE ESSENTIALS

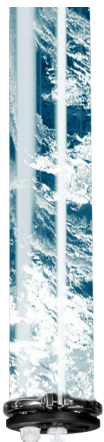
- 🌱 Backlit LCD display.
- 🌱 Multi-function keypad.
- 🌱 Visual & audible alarm with silence key.
- 🌱 Programmable time delays and set points.
- 🌱 Flush-mode visual indicator.
- 🌱 Low pressure automatic restart.



PERMEATE FLUSH

THE BEST INVENTION SINCE SLICED BREAD

- 🌱 Flushes and fills the machine with purified water on shutdown.
- 🌱 Drastically increases membrane longevity.
- 🌱 Prevents pre-mature scale-fouling.
- 🌱 Keeps the system running at top speed.
- 🌱 Draws water from either main or ancillary storage tank.



AUTOMATIC HIGH-PRESSURE FLUSH

BAKED IN—NO EXTRA CHARGE

- 🌱 Auto-flushes the membrane stack at programmed intervals.
- 🌱 Blows buildup right down the drain.
- 🌱 Drastically increases membrane longevity.
- 🌱 Keeps the system running at top speed.



EXPANDABLE CAPACITY

THE RO THAT GROWS WITH YOUR BUSINESS

- ✿ Add membranes and increase max flow rate as your demand increases.
- ✿ Pre-configured for an easy upgrade path.
- ✿ Utilizes maximum booster pump headroom.
- ✿ Counteracts the effects of cold-water slow-down.



ULTRA EFFICIENCY

RO HAS COME A LONG WAY.....

- ✿ Recycle circuit for reverse waste ratios (1:4).
- ✿ All controls on one main panel.
- ✿ All valves, meters, gauges, and electronics in plain site.
- ✿ Easy data logging.

HIGH FLOW **HF** COLD WATER MEMBRANES

ULTRA HIGH FLOW RATES—LOWEST MEMBRANE COUNT

- ✿ Highest flow rate on the planet for 4040 sized modules.
- ✿ More flow=less modules=less cost.
- ✿ Combats the effects of cold water on flow rates.



“The Big Boys



CX-21000

- 🌱 21,000 Gallons Per Day
- 🌱 14.6 Gallons Per Minute
- 🌱 Auto High-Pressure Flush

PART #	FLOW RATE
CX21000	21,000 GPD
CX18000	18,000 GPD



CX-18000

- 🌱 18,000 Gallons Per Day
- 🌱 12.5 Gallons Per Minute
- 🌱 Auto High-Pressure Flush

of the CX Series”



CX-15000

- 🌱 15,000 Gallons Per Day
- 🌱 10.4 Gallons Per Minute
- 🌱 Auto High-Pressure Flush



CX-12000

- 🌱 12,000 Gallons Per Day
- 🌱 8.3 Gallons Per Minute
- 🌱 Auto High-Pressure Flush

PART #	FLOW RATE
CX15000	15,000 GPD
CX12000	12,000 GPD

CX SERIES



CX-9000

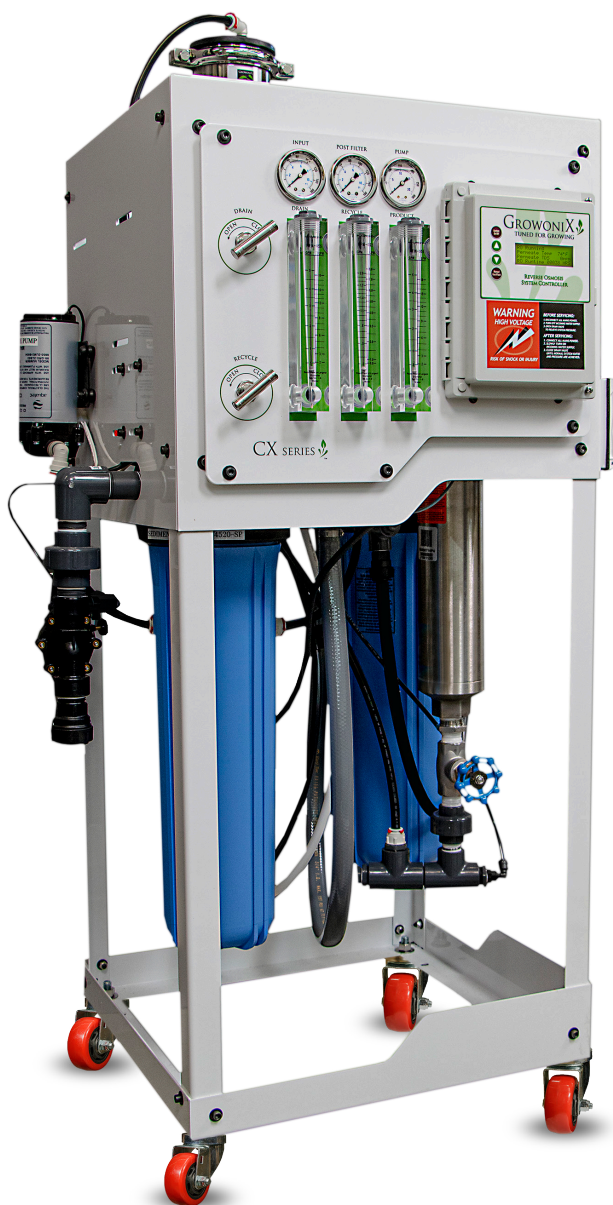
- 🌱 9,000 Gallons Per Day
- 🌱 6.3 Gallons Per Minute
- 🌱 Auto High-Pressure Flush



CX-6000

- 🌱 6,000 Gallons Per Day
- 🌱 4.2 Gallons Per Minute
- 🌱 Auto High-Pressure Flush

PART #	FLOW RATE
CX9000	9000 GPD
CX6000	6,000 GPD



CX-4000

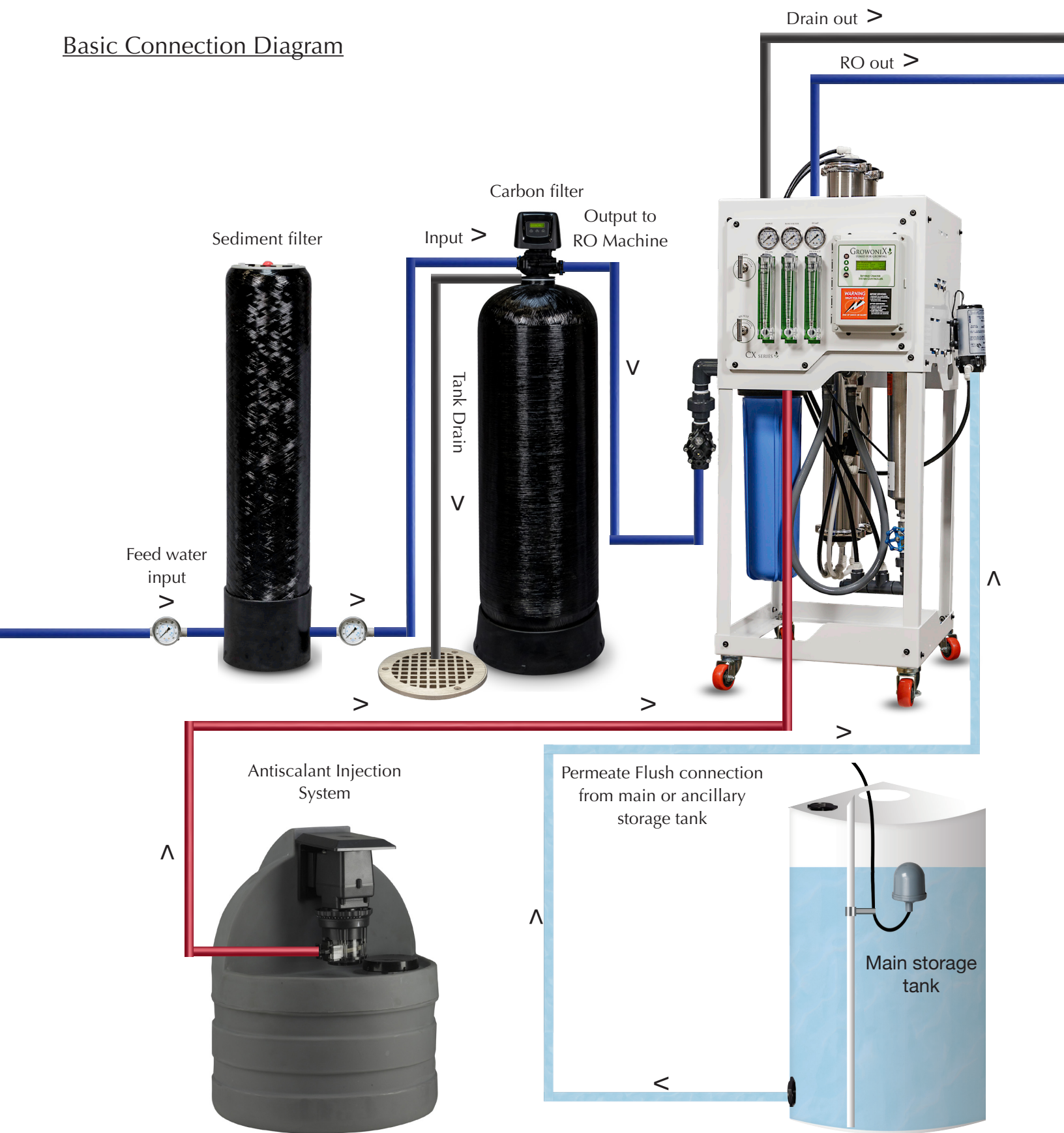
- 🌱 4,000 Gallons Per Day
- 🌱 2.8 Gallons Per Minute
- 🌱 Auto High-Pressure Flush

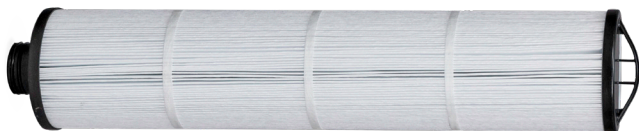
The only CX model with an on-board sediment and carbon filter.

PART #	FLOW RATE
CX4000	4,000 GPD

CX PRE-TREATMENT

Basic Connection Diagram





Replacement sediment cartridge for all commercial sediment tank systems

Part #	Description
SF-0940-.2	.2 micron commercial pleated sediment filter
SF-0940-1	1 micron commercial pleated sediment filter
SF-0940-5	5 micron commercial pleated sediment filter



Food grade antiscalant for injection systems

Compatible with RO, NF, and UF membranes from all major manufacturers.

Controls inorganic scale over a large concentration range.

Part #	Description
Anti-S01-5G	Antiscalant for chemical injection systems, 5 gallon pale



Replacement gravel bedding for all commercial carbon tank systems

Part #	Description
GR-216	1/4 X 1/8 gravel for media tanks bedding, 50 LB bag
GR-416	1/8 X 1/16 gravel for media tank bedding, 50LB bag



Replacement carbon for all commercial carbon tank systems

Part #	Description
CAT-12/40	Catalytic carbon for media tank refill, 28.5LB bag
CAT-20/50	Catalytic carbon for media tank refill, 28.5LB bag



Media extractor for removing carbon granuals from commercial carbon tank systems. Essential tool when it's time to change out the carbon media.

Part #	Description
EXT-2.5	Media extractor for media tank with 2.5" opening
EXT-4.5	Media extractor for media tank with 4.5" opening



High Flow Cold Water membrane modules for all CX Series RO systems. Fits all other systems that utilize the standard 4040 element.

Part #	Description
GXM-2700-HR	2700+ GPD High Rejection Cold Water Membrane for CX Series
GXM-3000-HF	3000+ GPD High Flow Cold Water Membrane for CX Series

SIZING YOUR WATER SYSTEM

Example:

First, calculate your weekly water demand.

20,000 gal/week

Divide the weekly demand by 7 to get the daily demand.

$$20,000 / 7 = 2857 \text{ GPD}$$

Multiply the daily demand by 3.

This is the minimum recommended size of your reverse osmosis system.

$$2857 \times 3 = 8571 \text{ GPD}$$

Multiply the minimum recommended size of your reverse osmosis system by 2, then divide by 1440.

$$(8571 \times 2) / 1440 = 11.9 \text{ GPM}$$

This is the total GPM flow rate needed from your feed water piping to run your RO system. This flow rate is needed at 40 psi (**VERY IMPORTANT!**)

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 temperature drops.

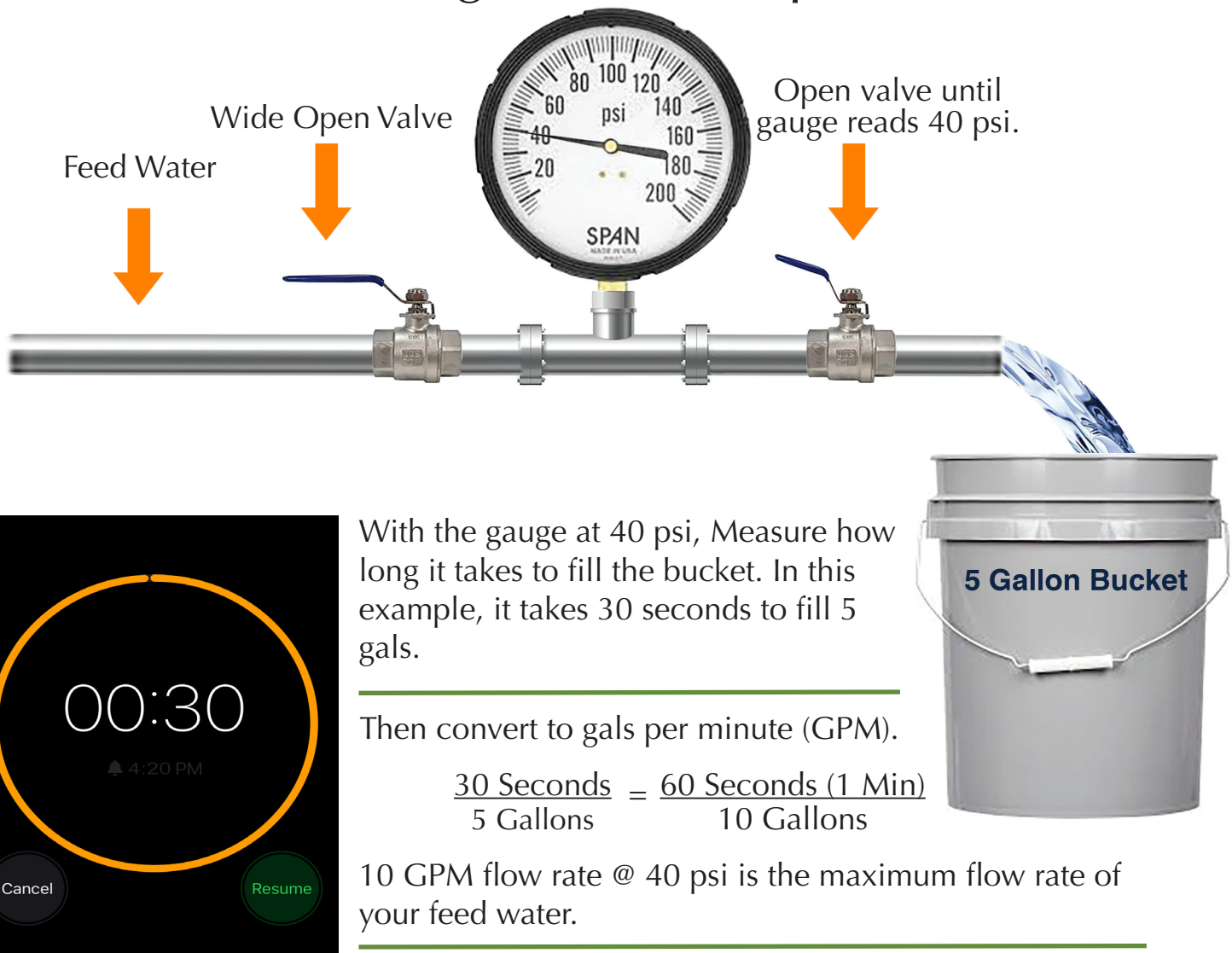
ALLOWS down-time for water system maintenance.

EXTENDS the life of the water system by reducing it's duty cycle.

GUARANTEES fast reliable water production when needed.



For assessing flow rate at pressure.



With the gauge at 40 psi, Measure how long it takes to fill the bucket. In this example, it takes 30 seconds to fill 5 gals.

Then convert to gals per minute (GPM).

$$\frac{30 \text{ Seconds}}{5 \text{ Gallons}} = \frac{60 \text{ Seconds (1 Min)}}{10 \text{ Gallons}}$$

10 GPM flow rate @ 40 psi is the maximum flow rate of your feed water.

Then convert GPM to gals per day (GPD).

$$10 \text{ GPM} \times 1440 \text{ minutes} = 14,400 \text{ GPD}$$

14,400 GPD is the maximum size RO system your feed water can supply **WITHOUT** adding a pre-RO booster pump.

If you require more GPD, simply add a Pre-RO Booster Pump to increase your feed water supply.

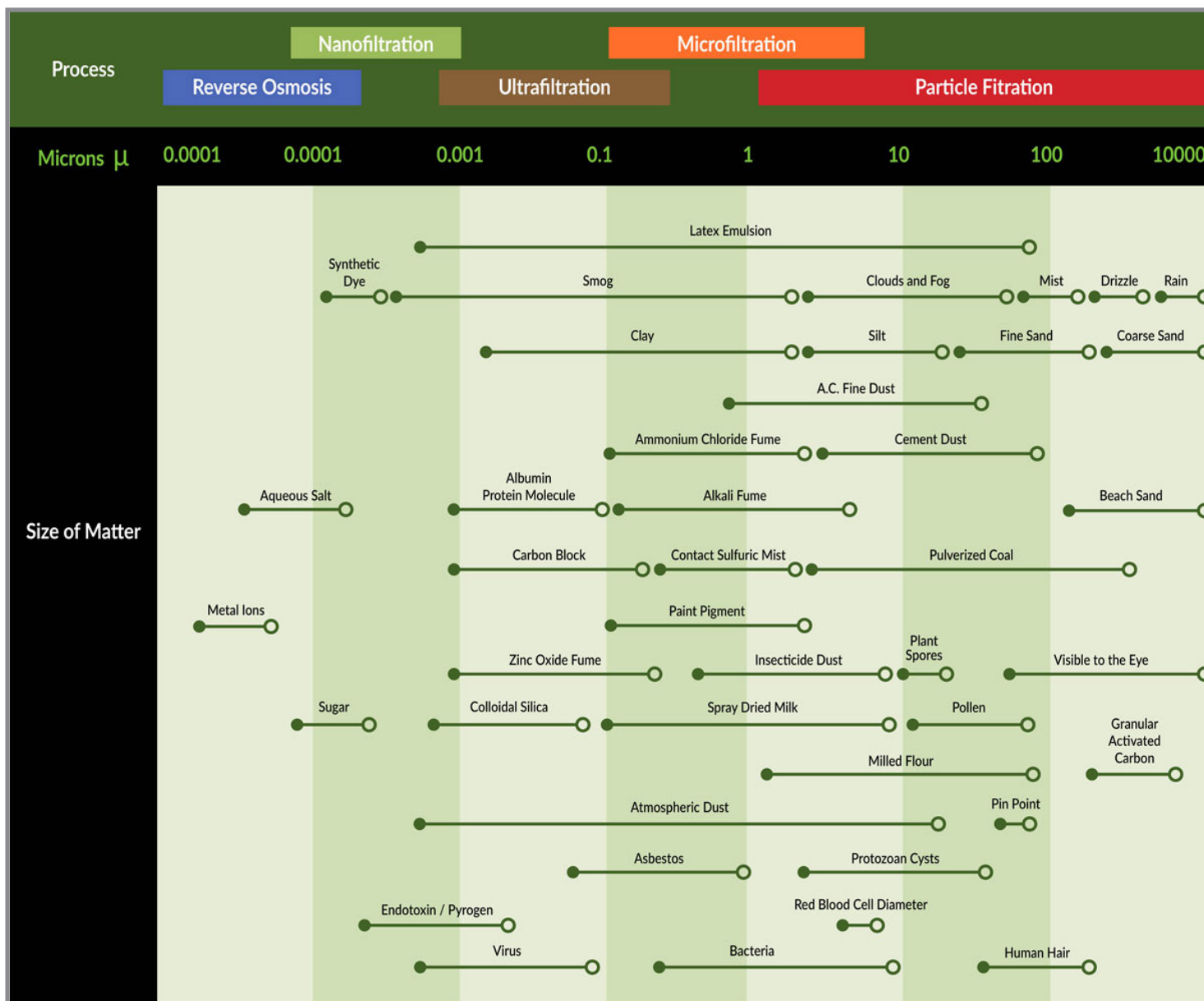
CX SYSTEM CUT SHEET

SYSTEM SPECS COMPARISON					
MODELS	CX4000	CX6000	CX9000	CX12000	
Design					
Configuration Pass			Single/Dual		
Feed water Source			TDS<2000		
System Recovery with Recycle			~75%		
Rejection and Flow Rates					
Nominal Salt Rejection			Up to 98.5%		
Permeate Flow Rate / Concentrate Flow Rate GPM	2.8	4.2	6.3	8.3	
Permeate Flow Rate GPH	166	250	375	500	
Permeate Flow Rate GPD	4000	6000	9000	12000	
Concentrate Recycle Flow Rate GPM	2	2	5	10	
Temperature					
Max Feed Temp °F (°C)			100 (37.8)		
Min Feed Temp °F (°C)			40 (4.44)		
Max Ambient Temp °F (°C)			115 (46.11)		
Min Ambient Temp °F (°C)			40 (4.44)		
System Pressure					
Maximum Operating Pressure (at 77°F)		150	120		
Max Feed Pressure psi			80		
Min Feed Pressure psi			40		
Chlorine, SDI, Turbidity, pH					
Maximum Free Chlorine / Chloramines PPM			0		
Max SDI Rating			< 3		
Max Turbidity NTU			1		
Max pH (Continuous)			10		
Min pH (Continuous)			3		
Connections					
Feed Connection			1" FNPT / 1" CTS		
Permeate / Drain	1/2" QC OD	1/2" QC OD	1/2" CTS	3/4" CTS	
System Electrical					
Voltage		208-230V	60Hz		
Phase				1Ph	3Ph
Amp Draw	5.1-5.3 A	6.1-6.4 A	8-9 A	12.3-13.1 A	9.8 A
System Dimensions					
L x W x H inch	27x24x58	27x24x58	30x27x61	30x27x61	
Weight	140lbs	175lbs	200lbs	250lbs	



SYSTEM SPECS COMPARISON			
MODELS	CX15000	CX18000	CX21000
Design			
Configuration Pass	Single/Dual		
Feed water Source	TDS<2000		
System Recovery with Recycle	~75%		
Rejection and Flow Rates			
Nominal Salt Rejection	Up to 98.5%		
Permeate Flow Rate / Concentrate Flow Rate GPM	10.4	12.5	14.6
Permeate Flow Rate GPH	625	750	875
Permeate Flow Rate GPD	15000	18000	21000
Concentrate Recycle Flow Rate GPM	10	10	10
Temperature			
Max Feed Temp °F (°C)	100 (37.8)		
Min Feed Temp °F (°C)	40 (4.44)		
Max Ambient Temp °F (°C)	115 (46.11)		
Min Ambient Temp °F (°C)	40 (4.44)		
System Pressure			
Maximum Operating Pressure psi (at 77°F)	120		
Max Feed Pressure psi	80		
Min Feed Pressure psi	40		
Chlorine, SDI, Turbidity, pH			
Maximum Free Chlorine / Chloramines PPM	0		
Max SDI Rating	< 3		
Max Turbidity NTU	1		
Max pH (Continuous)	10		
Min pH (Continuous)	3		
Connections			
Feed Connection	1" FNPT / 1" CTS		
Permeate / Drain Connection	3/4" CTS		
System Electrical			
Voltage	208-230V	60Hz	
Phase	1Ph	or	3Ph
Amp Draw	12.3-13.1 A	9.8 A	
System Dimensions			
L x W x H inch	30x27x61	30x27x61	33x27x61
Weight	275lbs	300lbs	325lbs





CONTAMINANT REMOVAL CHART



Membrane Ion Rejection Table

ION	% REJECTION
Calcium	93-99
Sodium	92-98
Magnesium	93-98
Potassium	92-96
Manganese	96-98
Iron	96-98
Aluminum	96-98
Copper	96-99
Nickel	96-99
Cadmium	93-97
Silver	93-96
Zinc	96-98
Mercury	94-97
Hardness Ca & Mg	93-97
Radioactivity	93-97
Chloride	92-98
Ammonium	80-90
Bromide	90-95
Phosphate	95-98
Cyanide	90-97
Sulfate	96-99
Thiosulfate	96-98
Silicate	92-95
Silica	90-98
Nitrate	90-95
Boron	50-70
Borate	30-50
Fluoride	92-95
Polyphosphate	96-98
Orthophosphate	96-98
Chromate	85-95
Bacteria	99+
Lead	95-98
Arsenic	50-90

CONDENSATE RECLAMATION SYSTEM

-  PURIFIES CONDENSATE WATER THAT IS NORMALLY DISCHARGED FROM THE HVAC & DEHUMIDIFICATION SYSTEMS AS WASTE.
-  BRINGS YOUR FACILITY CLOSER TO ZERO DISCHARGE BY MINIMIZING WASTE WATER.
-  CONDENSATE WATER IS A BYPRODUCT OF AIR CONDITIONING, DEHUMIDIFIERS, COOLING TOWERS, ETC.
-  CONDENSATE WATER IS RELATIVELY CLEAN BUT HAS ISSUES THAT THE CRS-5K IS DESIGNED TO TREAT.

CRS-5K CONDENSATE RECLAMATION SYSTEM

The CRS-5K consists of a 3-Stage Filter/Cartridge assembly, and a 4th Stage UV Sterilizer mounted to the top of the bracket. Filters include one sediment and two specialty metals-removal cartridges.

FIG. 1

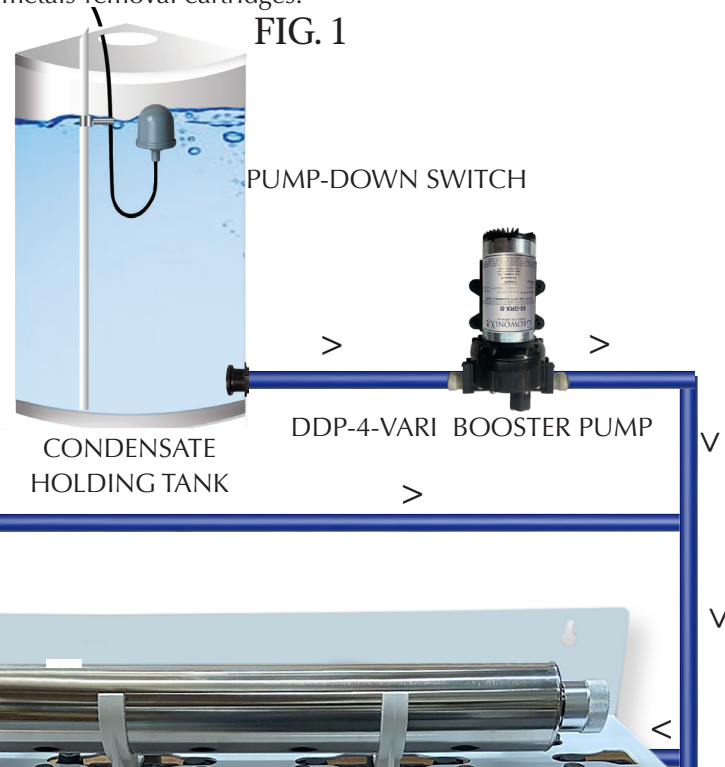
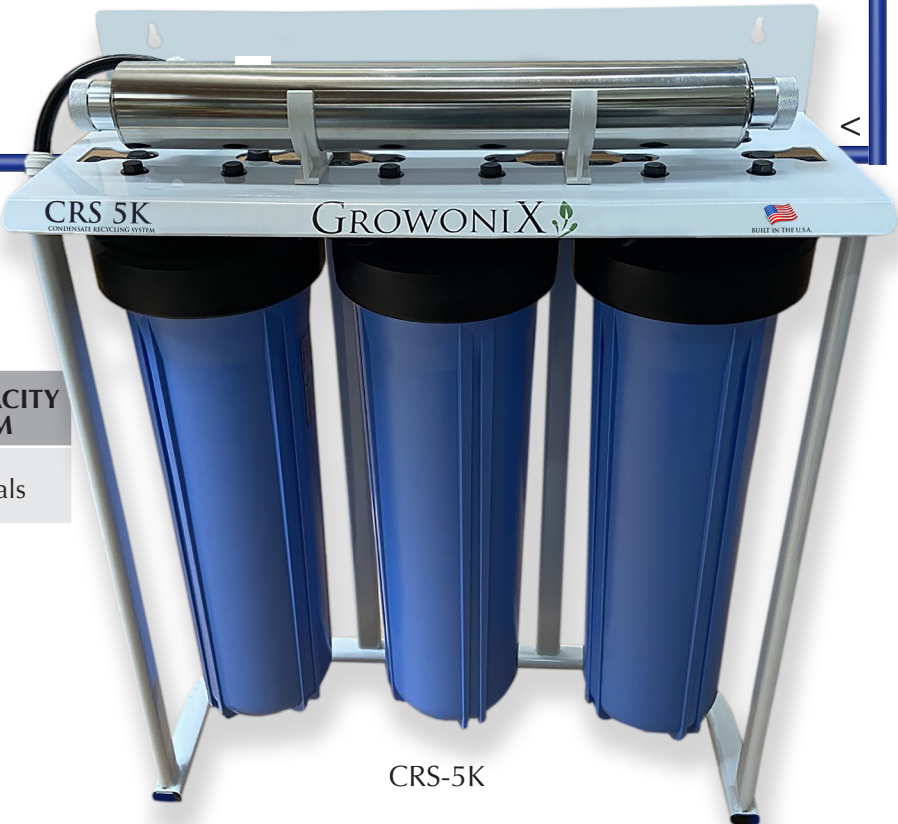
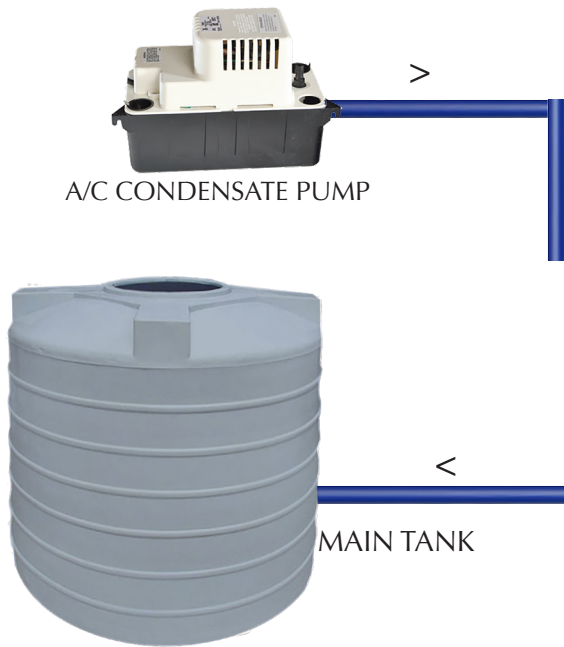


FIG. 2



PART #	MAX FLOW RATE	UV AMP	FILTER CAPACITY AT 1 PPM
CRS-5K	4 GPM	.37	28,000 Gals

METAL-REMOVAL CARTRIDGE



PART #	SIZE
MRC-4520	4.5" x 20"

ROC-3

REVERSE OSMOSIS SYSTEM CONTROLLER

The ROC-3 RO System Controller is an ideal solution for the monitoring and control of light commercial reverse osmosis systems. This economical controller provides relays for the RO booster pump, inlet solenoid valve, and membrane flush solenoid valve.

The dry contact inputs monitor storage tank level, low pressure switch signal, and system lockout for pretreatment backwash or regeneration. All inputs and outputs are controlled with time delays for proper operation.

- ✦ ADDS AUTOMATIC MEMBRANE FLUSH AT STARTUP, SHUTDOWN, AND AT TIMED INTERVALS.
- ✦ CONVERTS FLOAT SWITCHES TO LOW VOLTAGE OPERATION.
- ✦ ADDS PRE-TREATMENT LOCKOUT FOR THE ADDITION OF A CARBON TANK, SOFTENER, ETC.
- ✦ COMPLETELY PROGRAMMABLE—UP TO FOUR SEPARATE PROGRAMS.
- ✦ WORKS WITH ALL GROWONIX DELUXE SYSTEMS.

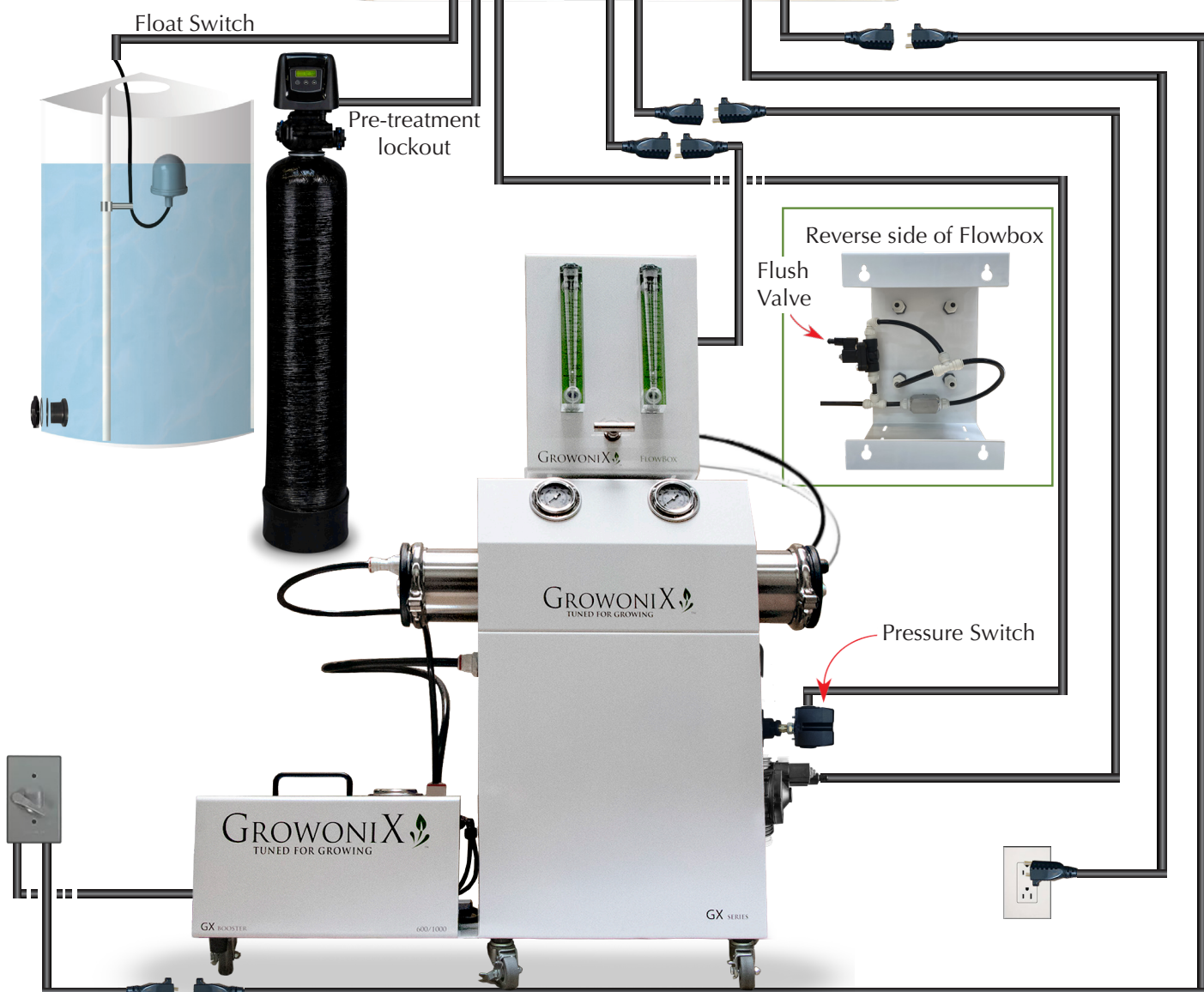
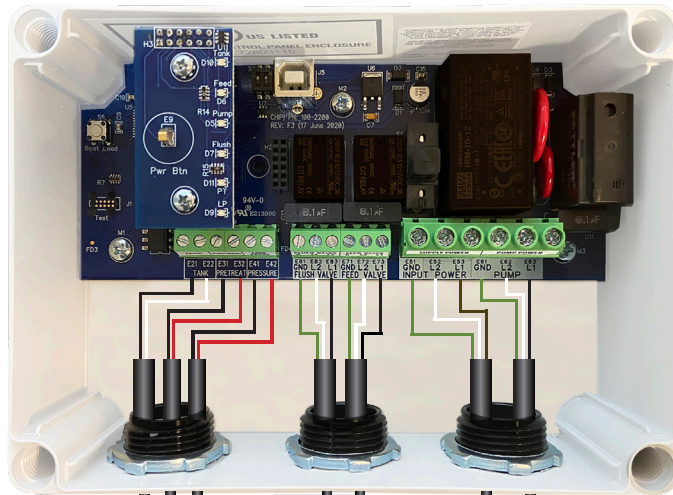


ROC-3 WIRING DIAGRAM

ROC-3 Reverse Osmosis System Controller

INCLUDES:
ROC-3 Controller,
Pressure Switch,
and Flush Valve.

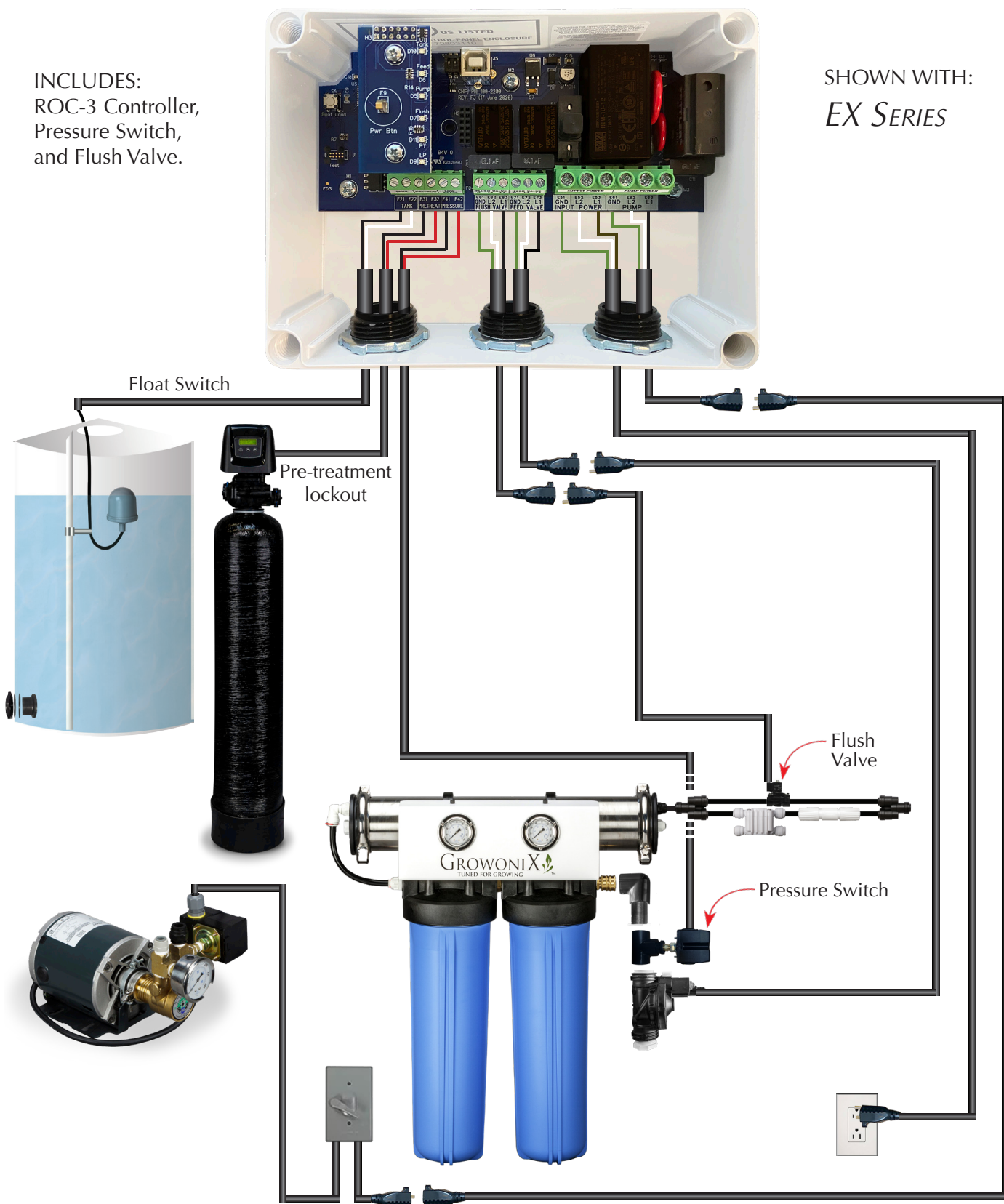
SHOWN WITH:
GX DELUXE SERIES
& *FlowBox*



ROC-3 Reverse Osmosis System Controller

INCLUDES:
ROC-3 Controller,
Pressure Switch,
and Flush Valve.

SHOWN WITH:
EX SERIES



FLOWBOX DELUXE SERIES—NEW PRODUCT

GX1000 FLOW BOX DELUXE

TOP-SHELF OF LIGHT-COMMERCIAL

1:1
RATIO

- ALLOWS FOR ACCURATE FLOW MONITORING
- ADJUSTABLE WASTE RATIOS
- EASY MEMBRANE FLUSHING
- SPOT-ON DATA LOGGING

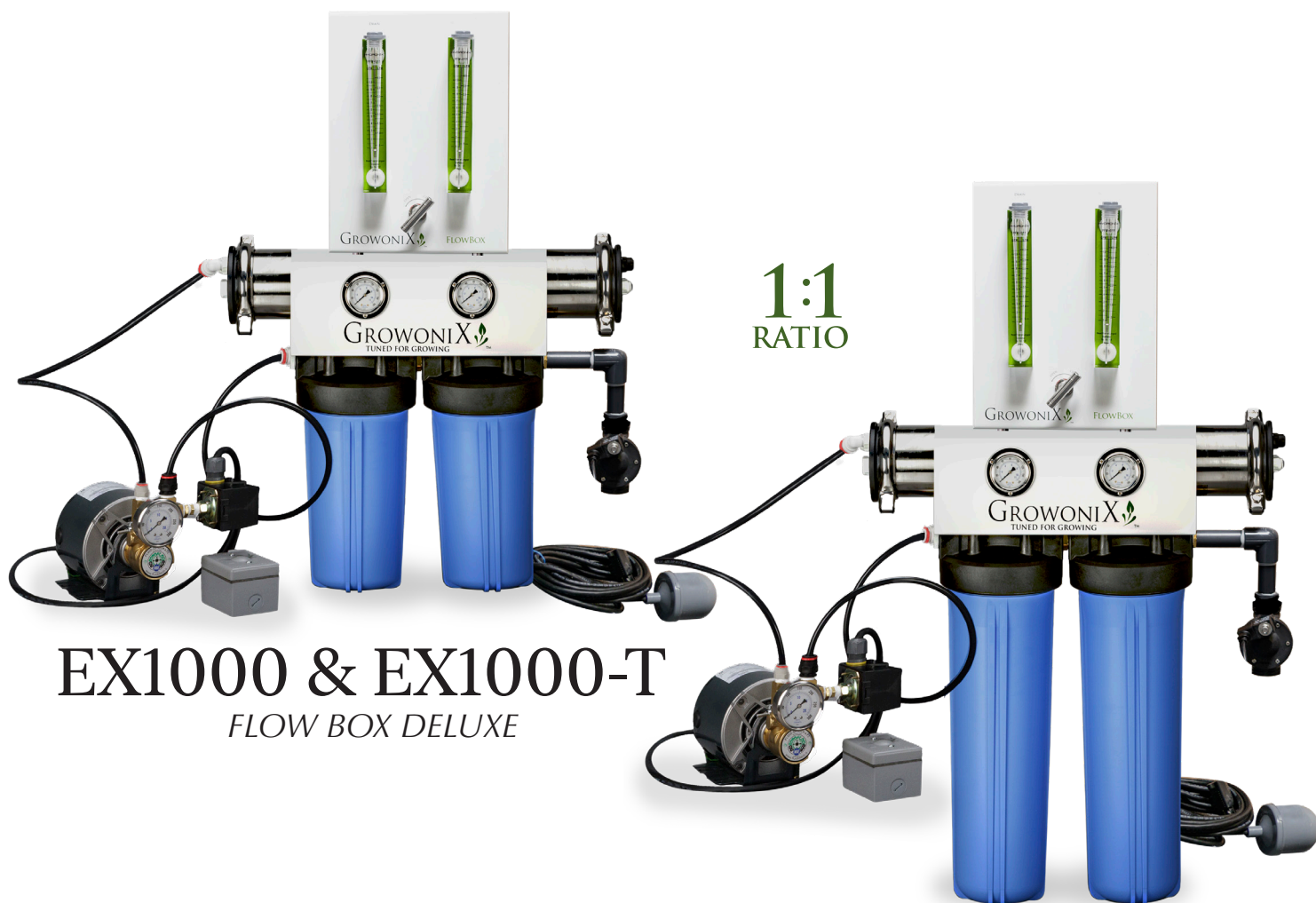
NO ADDITIONAL PRE-FILTERS NEEDED

SEE PAGE 39 FOR FLOW RATES

CHLORAMINE REMOVAL REQUIRES KDF CARBON OPTION

- HIGH FLOW COLD WATER MEMBRANE ELEMENT.
- FLOWBOX FOR ACCURATE MONITORING.
- ELECTRIC SHUTOFF KIT WITH SOLENOID VALVE AND FLOAT SWITCH.
- STAINLESS STEEL LIQUID FILLED GAUGES.
- NON-MARKING CASTERS, ROLLER CHASSIS FOR ULTIMATE PORTABILITY (GX1000).
- WALL MOUNTABLE (EX1000).





EX1000 & EX1000-T FLOW BOX DELUXE

- TALL FILTERS OFFER TWICE THE CAPACITY— LESS FILTER CHANGES
- WALL-MOUNTABLE BRACKETING
- STAINLESS MEMBRANE FLUSH VALVE
- HIGH FLOW COLD WATER MEMBRANE

LIGHT-COMMERCIAL DUTY AT IT'S BEST!

FLOW BOX DELUXE SYSTEM SPECIFICATIONS:

Flow Rate	~2000GPD
Minimum Feed Pressure	40 psi
Recommended Feed Pressure	40 psi—80 psi
Recovery (system ratio 1:1)	50%
Operating Temperature	40°F—105°F
Operating pH	3-11
Dimensions LxWxH (in)	27x11x30
Weight	70 lbs.
Nominal % Rejection	98.5%
Maximum TS	2000 ppm
Minimum NACL Rejection	96%
Maximum Hardness	15 gpg

PART #	AMPS	FLOW RATE	CARBON CAPACITY TOTAL GALLONS	BOOSTER PUMP
GX1000-FBX-DLX	5.6	~2000 GPD	17,000	BP-6010-CH
EX1000-T-FBX-DLX	5.6	~2000 GPD	34,000	BP-6010
EX1000-FBX-DLX	5.6	~2000 GPD	17,000	BP-6010

UV DELUXE SERIES

GX1000

UV DELUXE

AMERICAS FAVORITE

1:1
RATIO

- BEST-IN-CLASS COMPONENTS
- STAINLESS ULTRAVIOLET FILTER
- MEMBRANE FLUSH KIT
- HIGH FLOW COLD WATER MEMBRANE
- STAINLESS STEEL UV FILTER

NO ADDITIONAL PRE-FILTERS NEEDED

SEE PAGE 39 FOR FLOW RATES

CHLORAMINE REMOVAL REQUIRES KDF CARBON OPTION

- 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 (GX1000).
- ULTRAVIOLET FILTER.
- WALL MOUNTABLE (EX1000).





EX1000 & EX1000-T UV DELUXE

1:1
RATIO

LIGHT-COMMERCIAL DUTY AT IT'S BEST!

- TALL FILTERS OFFER TWICE THE CAPACITY— LESS FILTER CHANGES
- WALL MOUNTABLE BRACKETING
- MEMBRANE FLUSH VALVE
- HIGH FLOW COLD WATER MEMBRANE
- STAINLESS STEEL UV FILTER

UV DELUXE SYSTEM SPECIFICATIONS:

Flow Rate	~2000GPD
Minimum Feed Pressure	40 psi
Recommended Feed Pressure	40 psi—80 psi
Recovery (system ratio 1:1)	50%
Operating Temperature	40°F—105°F
Operating pH	3-11
Dimensions LxWxH (in)	27x11x30
Weight	70 lbs.
Nominal % Rejection	98.5%
Maximum TS	2000 ppm
Minimum NACL Rejection	96%
Maximum Hardness	15 gpg

PART #	AMPS	FLOW RATE	CARBON CAPACITY TOTAL GALLONS	BOOSTER PUMP
GX1000-UV-DLX	5.6	~2000 GPD	17,000	BP-6010-CH
EX1000-T-UV-DLX	5.6	~2000 GPD	34,000	BP-6010
EX1000-UV-DLX	5.6	~2000 GPD	17,000	BP-6010

GX SERIES

- 🌱 HIGH FLOW COLD WATER MEMBRANE ELEMENTS.
- 🌱 1:1 OR 2:1 SYSTEM RATIOS—
THE MOST EFFICIENT IN THE INDUSTRY.
- 🌱 ELECTRO-GALVANIZED 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.

GX1000



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 at with an amazing 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

SEE PAGE 39 FOR FLOW RATES

CHLORAMINE REMOVAL REQUIRES KDF CARBON OPTION

BEST SELLING 1000 GPD IN THE USA!

1:1
RATIO

- BEST IN CLASS COMPONENTS
- STAINLESS LIQUID FILLED GAUGE
- FLUSH KIT
- HIGH FLOW COLD WATER MEMBRANE

SYSTEM SPECIFICATIONS:

Flow Rate	1000 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 TDS	2000 ppm
Minimum NACL Rejection	96%

PART #	FLOW RATE	CARBON CAPACITY TOTAL GALLONS	BOOSTER PUMP
GX1000	~1000 GPD	17,000	BP-6010, BP-6010-CH, BP-1000





GX400

THE ELEGANT AND DURABLE...

**2:1
RATIO**

- BEST IN CLASS COMPONENTS
- STAINLESS LIQUID FILLED GAUGE
- FLUSH KIT
- HIGH FLOW COLD WATER MEMBRANE

SYSTEM SPECIFICATIONS:

Flow Rate	400 GPD
Minimum Feed Pressure	40 psi
Recommended Feed Pressure	60 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.

PART #	FLOW RATE	CARBON CAPACITY TOTAL GALLONS	BOOSTER PUMP
GX400	400 GPD	8,000	BP-1530-38



GX200

HIGHEST QUALITY 200GPD MADE.

**2:1
RATIO**

- BEST IN CLASS COMPONENTS
- STAINLESS LIQUID FILLED GAUGE
- FLUSH KIT
- HIGH FLOW COLD WATER MEMBRANE

SYSTEM SPECIFICATIONS:

Flow Rate	200 GPD
Minimum Feed Pressure	40 psi
Recommended Feed Pressure	60 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.

PART #	FLOW RATE	CARBON CAPACITY TOTAL GALLONS	BOOSTER PUMP
GX200	200 GPD	8,000	BP-1530-38

EX SERIES

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

EX1000 & 1000-T

TALL FILTERS = LESS CHANGEOUTS.



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—the new EX1000 bracket allowed us to use tall 20” pre-filters. The amount of sediment and carbon pre-treatment just doubled.

NO ADDITIONAL PRE-FILTERS NEEDED

SEE PAGE 39 FOR FLOW RATES

CHLORAMINE REMOVAL REQUIRES KDF CARBON OPTION

- BEST IN CLASS COMPONENTS
- STAINLESS LIQUID FILLED GAUGE
- FLUSH KIT
- HIGH FLOW COLD WATER MEMBRANE

SYSTEM SPECIFICATIONS:

Flow Rate	1000 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 TDS	2000 ppm
Minimum NACL Rejection	96%

PART #	FLOW RATE	CARBON CAPACITY TOTAL GALLONS	BOOSTER PUMP
EX1000	1000 GPD	17,000	BP-6010-CH, BP-6010, BP-1000
EX1000-T	1000 GPD	34,000	BP-6010-CH, BP-6010, BP-1000



EX SERIES

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

The EX line which utilizes 2" membranes 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 systems in the same class, with the same quality you would expect from a GrowoniX product.

The EX400 comes in a TALL version—the EX400-T. Tall means more carbon and sediment filtration—17,000 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 to 450 gallons per day. No little RO on the planet can match this.

NO ADDITIONAL PRE-FILTERS NEEDED

SEE PAGE 39 FOR FLOW RATES

CHLORAMINE REMOVAL REQUIRES KDF CARBON OPTION

ECONOMY & QUALITY

2:1
RATIO

- BEST IN CLASS COMPONENTS
- STEEL PRESSURE GAUGE
- FLUSH KIT (EX400 & EX400-T ONLY)
- HIGH FLOW COLD WATER MEMBRANE

PART #	FLOW RATE	CARBON CAPACITY TOTAL GALLONS	BOOSTER PUMP
EX200	200 GPD	8,000	BP-1530-38
EX400	400 GPD	8,000	BP-1530-38
EX400-T	400 GPD	17,000	BP-1530-38



EX400



EX400-T

EX200



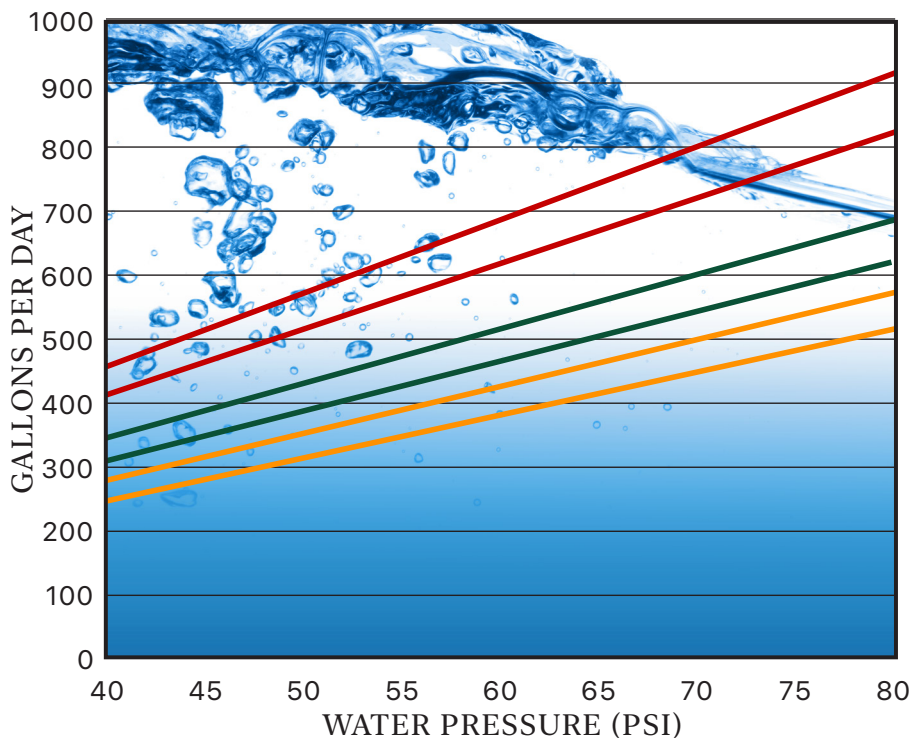
SYSTEM SPECIFICATIONS:

Flow Rate	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.

- 1:1 & 2:1 SYSTEM RATIO.
- THE MOST EFFICIENT IN THE INDUSTRY.
- HIGH FLOW COLD WATER MEMBRANE ELEMENT.
- ELECTRO-GALVANIZED STEEL BRACKETS.
- STAINLESS STEEL LIQUID-FILLED PRESSURE GAUGES.
- MEMBRANE FLUSH VALVE.
- TALL PRE-FILTERS FOR DOUBLE THE CARBON CAPACITY.

The EX800-T is the in-between RO system in the GrowoniX lineup. It's bigger than hobby systems, yet not quite light-commercial duty. So who's it for.....? Anyone who wants 33 GPH (gallons per hour) at a 1:1 ratio for under \$1K. That said, it's recommended to only use the 1:1 ratio option on feed water less than 300PPM. The BP-1000 pump is an option to raise the input pressure to 80psi if need be.

EX800-T FLOW RATES



PART #	FLOW RATE	CARBON CAPACITY TOTAL GALLONS	BOOSTER PUMP
EX800-T	800 GPD	17,000	BP-1000

EX800-T

UP TO ~900 GPD.



1:1 OR 2:1
RATIO

- BEST IN CLASS COMPONENTS
- STAINLESS LIQUID FILLED GAUGE
- FLUSH KIT
- HIGH FLOW COLD WATER MEMBRANE
- WALL MOUNTABLE

BP-1000

THE #1 BOOSTER PUMP **FOR ANY ~1000GPD RO SYSTEM**
THAT WORKS WITH A FLOAT VALVE!



Fully Adjustable
Output Pressure

DELIVERS CONSISTENT
1.5 GALLONS PER MINUTE

FEATURES AND BENEFITS

- Increases pure water production for all ~1000 GPD RO Systems.
- Raises the input pressure to 80 psi.
- Can siphon from a rain barrel or tank and produce the full pump pressure.
- Needs zero psi of incoming water pressure to produce the full flow rate.
- Intermittent Duty Cycle
- Reliable and Easy to install.
- High Pressure Cutoff Switch—automatically shuts the pump off when used with a solenoid valve, ball valve, float valve, or watering wand etc...
- Comes with Heat Sink, Pressure Switch, and 120 VAC 4A Power Transformer.

Part #	In / Out	Voltage	Amps	Flow Rate	High Pressure Cutoff	Duty Cycle	FITS
BP-1000	3/8" & 1/2" tube (either)	120 VAC	4	1.5 GPM	Yes	Intermittent	EX800, EX/GX600, EX/GX1000 Virtually all 1000 GPD RO systems

SCRUBBERS

- 1 GPM—7 GPM FLOW RATES.
- PATENTED ELECTRO-GALVANIZED 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 chloramine 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 beneficial and micro-organisms from the harmful effects of chlorine and chloramine.

XL-SCRUB



SEDI-SCRUB



LIL BOSS DELUXE



SLIM-SCRUB



LIL BOSS



MINI-SCRUB



NO ADDITIONAL PRE-FILTERS NEEDED

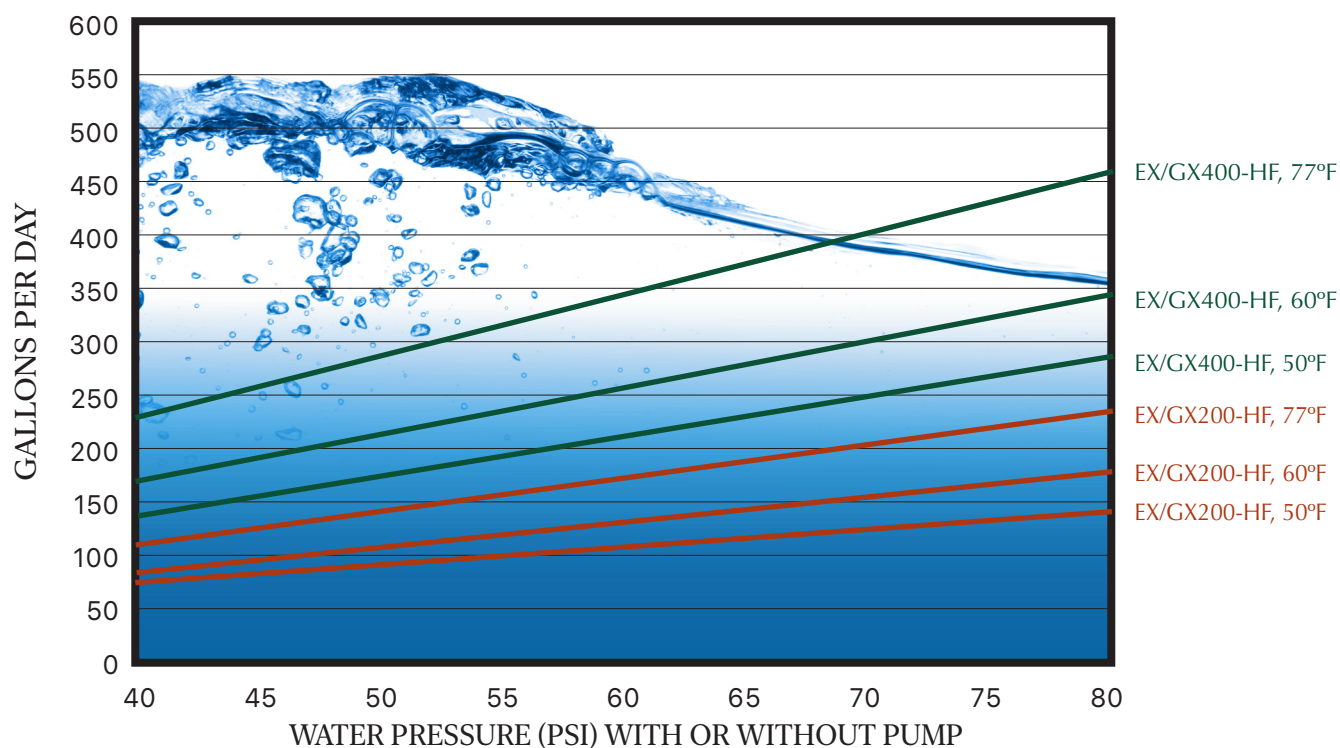
CHLORAMINE REMOVAL REQUIRES KDF CARBON OPTION

- WALL MOUNTABLE (EXCEPT LIL' BOSS DELUXE)
- STAINLESS HARDWARE
- INDUSTRY STANDARD FILTER SIZING
- GARDEN HOSE CONNECTION ON THE INPUT

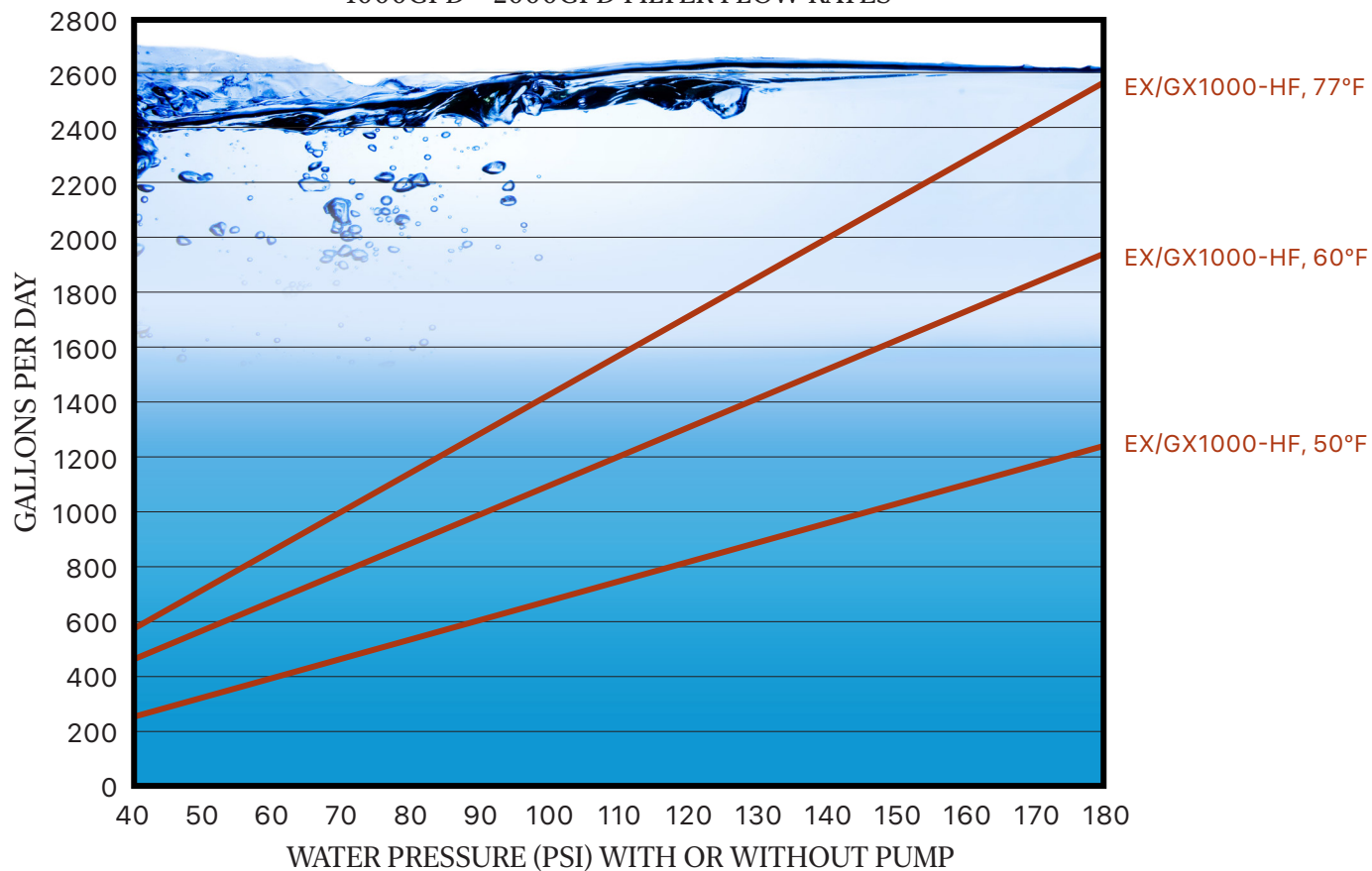
PART #	FLOW RATE	CARBON CAPACITY TOTAL GALLONS
XL-SCRUB	7 GPM	34,000
LIL BOSS DELUXE	3 GPM	17,000
LIL BOSS	3 GPM	17,000
SLIM-SCRUB	2 GPM	16,000
MINI-SCRUB	1 GPM	8,000
SEDI-SCRUB	NA	NA



100GPD—400GPD FILTER FLOW RATES



1000GPD—2000GPD FILTER FLOW RATES



PRODUCT MATRIX

NOTES ON CARBON CAPACITY:

Carbon capacity refers to the total gallon count (purified water plus the drain water). A GX1000-HF has a carbon capacity of 17,000 gallons — which means, at a 1:1 ratio, total RO production supported by a single carbon filter would be 8,500 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	MEMBRANE FLUSH VALVE	CARBON CAPACITY TOTAL GALLONS	MEMBRANE	MINIMUM PRESSURE	BOOSTER PUMP
GX1000-FBX-Deluxe	2000 GPD	1:1	Yes	17,000	Ultra High Flow	40 psi	BP-6010-CH (included)
EX1000-FBX-Deluxe	2000 GPD	1:1	Yes	17,000	Ultra High Flow	40 psi	BP-6010 (included)
EX1000-T-FBX-Deluxe	2000 GPD	1:1	Yes	34,000	Ultra High Flow	40 psi	BP-6010 (included)
GX1000-UV-Deluxe	2000 GPD	1:1	Yes	17,000	Ultra High Flow	40 psi	BP-6010-CH (included)
EX1000-UV-Deluxe	2000 GPD	1:1	Yes	17,000	Ultra High Flow	40 psi	BP-6010 (included)
EX1000-T-Deluxe	2000 GPD	1:1	Yes	34,000	Ultra High Flow	40 psi	BP-6010 (included)
GX1000	1000 GPD	1:1	Yes	17,000	Ultra High Flow	40 psi	BP-6010, BP-6010-CH, BP-1000
EX1000-T	1000 GPD	1:1	Yes	34,000	Ultra High Flow	40 psi	BP-6010, BP-6010-CH, BP-1000
EX1000	1000 GPD	1:1	Yes	17,000	Ultra High Flow	40 psi	BP-6010, BP-6010-CH, BP-1000
EX800	800 GPD	1:1 / 2:1	Yes	17,000	High Flow	40 psi	BP-1000
GX400	400 GPD	2:1	Yes	8,000	High Flow	40 psi	BP-1530
EX400-T	400 GPD	2:1	Yes	17,000	High Flow	40 psi	BP-1530
EX400	400 GPD	2:1	Yes	8,000	High Flow	40 psi	BP-1530
GX200	200 GPD	2:1	Yes	8,000	High Flow	40 psi	BP-1530
EX200	200 GPD	2:1	Optional	8,000	High Flow	40 psi	BP-1530
XL-Scrubber	7 GPM	NA	NA	34,000	NA	1 psi	EP-2
Lil Boss Deluxe	3 GPM	NA	NA	17,000	NA	1 psi	DDP-4-Vari
Lil Boss	3 GPM	NA	NA	17,000	NA	1 psi	DDP-4-Vari
Slim-Scrub	2 GPM	NA	NA	17,000	NA	1 psi	DDP-4-Vari
Mini-Scrub	1GPM	NA	NA	8,000	NA	1 psi	BP-1530

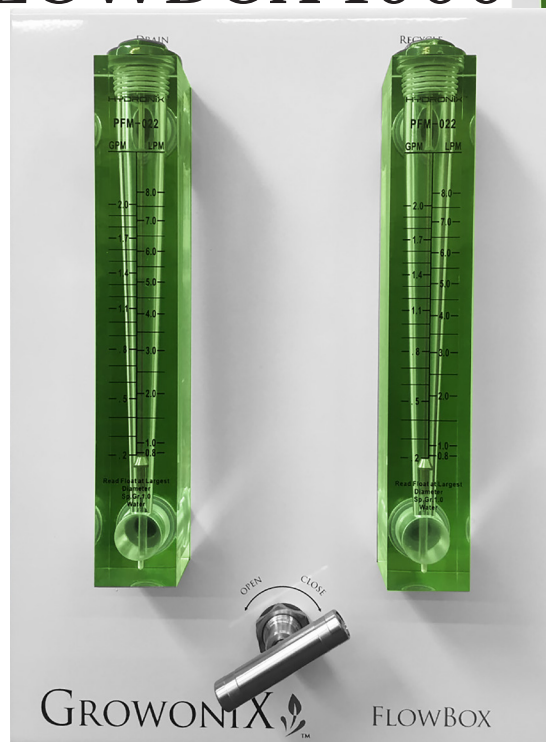
- STAINLESS STEEL HIGH-PRESSURE NEEDLE VALVES.
- PRECISION FLOW METERS.
- WALL MOUNTABLE ELECTRO-GALVANIZED BRACKETS.
- AVAILABLE IN STANDARD OR RECYCLING CONFIGURATIONS.

- ALLOWS FOR ADJUSTABLE SYSTEM RATIOS
- ACCURATE MONITORING OF MEMBRANE PERFORMANCE & LONGEVITY
- EZ MEMBRANE FLUSH WITH A SINGLE TWIST OF THE VALVE
- ALLOWS FOR DRAIN WATER RECYCLING (RECYCLER FLOWBOX ONLY)

GrowoniX FlowBox is a componential add-on to any EX/GX1000 GPD system that utilizes a BP-6010 Series booster pump. Equipped with highly accurate liquid flow-meters, the FlowBox allows for custom fine-tuning of the system ratio. Run your system at any ratio from 1:1 to 3:1— whenever you want. System ratios change throughout the year as the water temperatures change—keep the perfect ratio all year round with a FlowBox. Now you can flush the system with a simple twist of the stainless steel needle valve. And the FlowBox allows for removal of the standard drain/flush assembly. Mounts atop the EX/GX series chassis for easy viewing and adjusting. Easy remote wall-mounting as well.

FLOWBOX-1000 RECYCLER

FLOWBOX-1000



PART #	FLOW METERS (GPM)
Flow-Box-1000	.2—2
Flow-Box-1000-Recycler	.2—2



BOOSTER PUMPS—150 PSI



150 PSI MAX.

DOES NOT WORK WITH A FLOAT VALVE

BP-6010-CH

BP-6010*

DOUBLES PURE WATER PRODUCTION FOR ALL 600-1000 GPD SYSTEMS—MAX 2000 GPD.

- ONLY NEEDS 30PSI OF INCOMING WATER PRESSURE TO PRODUCE THE FULL FLOW RATE.
- LOW-PRESSURE CUTOFF TO SAFEGUARD AGAINST A LOSS OF INCOMING WATER PRESSURE.
- STAINLESS STEEL LIQUID-FILLED 300 PSI PRESSURE GAUGE.
- MANUALLY CONTROLLED OR AUTOMATED WITH OUR ESOK ELECTRIC SHUTOFF KIT.



ELECTRIC SHUT-OFF KIT (ESOK)

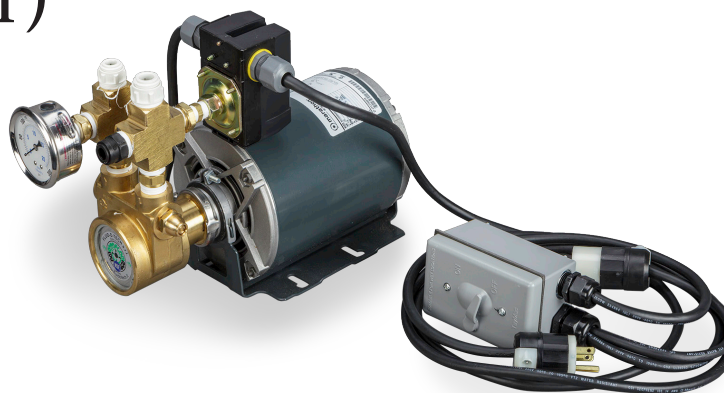
- AN ESSENTIAL ADD-ON TO ANY WATER FILTER.
- SHUTS DOWN FEED WATER BEFORE THE WATER FILTER.
- CONTROLS ON/OFF CYCLING OF HIGH PRESSURE BOOSTER PUMPS.
- 120VAC PIGGYBACK CABLE, 20FT.
- SOLENOID VALVE WITH MANUAL OVERRIDE FOR FAILSAFE WATER-MAKING.



BP-6010-REC (Recycler)

(Only for use with the Recycler FlowBox)

- 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).
- REQUIRES THE FLOWBOX RECYCLER TO FUNCTION PROPERLY.
- ALLOWS FOR RECYCLING OF THE DRAIN WATER BACK THROUGH THE MEMBRANE FOR ANOTHER PASS.



BP-1000



- INTERMITTENT DUTY CYCLE.
- ADJUSTABLE OUTPUT PRESSURE.
- CONTROLLABLE VIA INTEGRATED HIGH-PRESSURE CUTOFF SWITCH.
- ALUMINUM THERMAL COOLING JACKET.
- WORKS WITH VIRTUALLY EVERY 800-1000 GPD RO SYSTEM.
- CAN SIPHON FROM A RAIN BARREL OR TANK AND PRODUCE FULL PUMP PRESSURE.
- ZERO PSI OF INCOMING WATER PRESSURE TO PRODUCE THE FULL FLOW RATE.

80 PSI MAX.

WORKS WITH A FLOAT VALVE

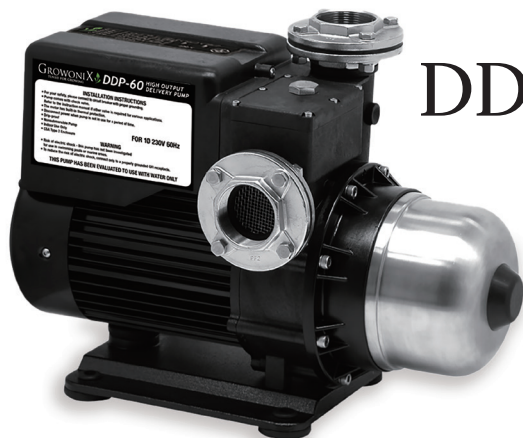
BP-1530



- DOUBLES PURE WATER PRODUCTION FOR ALL SYSTEMS 600 GPD AND UNDER.
- RAISES THE INPUT PRESSURE TO 80PSI.
- CAN SIPHON FROM A RAIN BARREL OR TANK AND PRODUCE FULL PUMP PRESSURE.
- ZERO PSI OF INCOMING WATER PRESSURE TO PRODUCE THE FULL FLOW RATE.
- HIGH PRESSURE CUTOFF, AUTOMATICALLY SHUTS OFF WHEN USED WITH A SOLENOID VALVE, BALL VALVE, FLOAT VALVE, OR WATERING WAND ETC...
- ADJUSTABLE OUTPUT PRESSURE.
- 1 GPM FLOW RATE.

Part #	In / Out	Voltage	Amps	Flow Rate	High Pressure Cutoff	Duty Cycle	FITS
BP-6010-CH	1/2" / 3/8" OD tube	120 VAC	5.6	2.6 GPM	No	Constant	EX600, EX1000, GX600, GX1000
BP-6010	1/2" / 3/8" OD tube	120 VAC	5.6	2.6 GPM	No	Constant	EX600, EX1000, GX600, GX1000
ESOK-1034	3/4" & 1" NPT (either)	120 VAC	8.5 VA	30 GPM	No	Constant	Every RO system
BP-1000	3/8" & 1/2" tube (either)	120 VAC	4	1.5 GPM	Yes	Intermittent	EX800, EX/GX600, EX/GX1000 Virtually all 1000 GPD RO Systems
BP-1530	3/8" tube	120 VAC	2	1 GPM	Yes	Intermittent	All systems 600 GPD & under
BP-6010-REC	1/2" / 3/8" OD tube	120 VAC	7.2	3.5 GPM	No	Constant	EX1000, GX1000 (must also use the Flowbox Recycler, pg. 41)

DELIVERY PUMPS

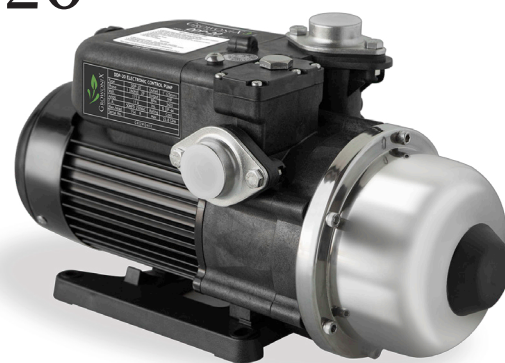


DDP-60

- 60 GPM WATER FLOW RATE.
- AUTO SHUT-OFF UNDER 0.7GPM.
- HIGH PRESSURE CUTOFF.
- ULTRA QUIET AND COMPACT.
- PERFECT FOR BIG GARDENS WATER TRANSFER.
- PERFECT BOOSTER FOR CX SERIES 12,000 GPD AND LARGER.
- CONSTANT DUTY.

- 20 GPM WATER FLOW RATE.
- STACK MULTIPLES FOR ADDED FLOW RATE.
- AUTO SHUT-OFF CIRCUITRY UNDER 0.7GPM..
- HIGH PRESSURE CUTOFF.
- ULTRA QUIET AND COMPACT.
- PERFECT FOR BIG GARDEN WATER TRANSFER.
- PERFECT BOOSTER FOR CX SERIES 9,000 GPD AND UNDER.
- CONSTANT DUTY.

DDP-20



OPTIONAL HEAT SINK

DDP-4-VARI

- 4 GPM MAX WATER FLOW RATE @ 55psi.
- HIGH PRESSURE CUTOFF.
- VARIABLE SPEED TO ADJUST TO THE NEEDS OF THE WATER SYSTEM IN FRONT.
- THERMAL SHUTDOWN PROTECTS FROM OVERHEATING.
- ULTRA QUIET AND COMPACT.
- INTERMITTENT DUTY.
- OPTIONAL HEAT SINK TO COOL PUMP AND EXTEND DUTY CYCLE.
- CAN SIPHON FROM A TANK AND DELIVER THE FULL PRESSURE & FLOW RATE.

- 7 GPM MAX WATER FLOW RATE @ 70psi.
- HIGH PRESSURE CUTOFF.
- STACK MULTIPLES IN PARALLEL TO INCREASE FLOW RATE.
- ULTRA QUIET AND COMPACT.
- INTERMITTENT DUTY.
- CAN SIPHON FROM A TANK AND DELIVER THE FULL PRESSURE & FLOW RATE.
- AWESOME WATER TRANSFER PUMP.
- OPTIONAL HEAT SINK TO COOL PUMP AND EXTEND DUTY CYCLE.

OPTIONAL HEAT SINK

EP-2





Stainless Submersible SP-13-SS-M SP-13-SS-A

- 30 GPM WATER FLOW RATE.
- STAINLESS STEEL ALL THROUGHOUT.
- OIL-FREE & WORRY-FREE DESIGN.
- ULTRA QUIET AND COMPACT.
- OPTIONAL LOW-SUCTION KIT CLEARS TANKS DOWN TO 1/8" DEEP.
- CONSTANT DUTY.
- AVAILABLE IN MANUAL OR AUTOMATIC CONFIG. AUTOMATIC CONFIG INCLUDES AN ATTACHED FLOAT SWITCH FOR TANK-EMPTYING DUTY.
- HIGH-FLOW LOW-PRESSURE.

OPTIONAL
LOW SUCTION KIT



Chemical Injection CIP-1.5

- EASY 5 MINUTE SETUP.
- ADJUSTABLE DOSE RATES.
- MANUAL PRIMING SWITCH.
- HOSES SHOULD BE REPLACED EVERY YEAR.
- FOR INJECTING CHLORINE, H2O2, ANTISCALANT, ETC...



Part #	In / Out	Voltage	Amps	Flow Rate	High Pressure Cutoff	Duty Cycle
DDP-60	1 1/2" FNPT	240 VAC	9.5	60 GPM	Yes	Constant
DDP-20	1" FNPT	120 VAC	10	20 GPM	Yes	Constant
DDP-4	1/2" OD Tube	120 VAC	1.6	4 GPM	Yes	Intermittent
EP-2	1/2" FNPT	120 VAC	2.6	7 GPM	Yes	Intermittent
SP-13-SS-M (-A)	1 1/4" FNPT	120 VAC	4.4	30 GPM	No	Constant
CIP-1.5	1/4" OD Tube	120 VAC	.25	1.5 GPD	No	Constant

REPLACEMENT SEDIMENT FILTERS

- GREEN BLOCK AND COCONUT CARBON ARE VIRTUALLY THE SAME. GREEN BLOCK IS MADE WITH A PROCESS THAT'S MORE ECOLOGICALLY SENSIBLE—FILTERING POWER BETWEEN THE TWO IS EQUAL.
- KDF85 CATALYTIC CARBON IS 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—HAVING LOW PRESSURE DROP, AND LESS DIRT HOLDING CAPACITY THAN SPUN FILTERS. PLEATED FILTERS ARE WASHABLE AS WELL.
- SPUN SEDIMENTS ARE FOR HIGH DIRT BLOCKING—HAVING MORE PRESSURE DROP AND MORE DIRT HOLDING CAPACITY THAN PLEATED FILTERS.



Pleated Sediment Filter

High-Flow Low Pressure-Drop

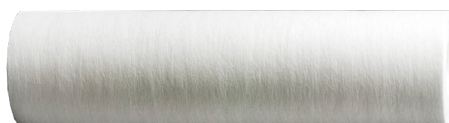


High flow pleated Sediment filter: This is a washable, reusable, and durable sediment filter with very low pressure drop. Bacteria and chemical resistant. Great for high flow applications and extended time between filter changes. Standard in most GrowniX water filters.

PART #	SIZE	MICRON RATING AVAILABLE	FITS
SF-2510-PL	2.5" x 10"	.35m, 10m	EX200, EX400, GX200, GX400, MiniScrub
SF-2520-PL	2.5" x 20"	.35m, 10m	EX400-T, EX800-T, SlimScrub
SF-4510-PL	4.5" x 10"	.35m, 5m, 10m	EX600/1000, GX600/1000, Lil' Boss, Lil' Boss Deluxe
SF-4520-PL	4.5" x 20"	.35m, 5m, 10m	EX600/1000-TALL, CX Series, XL Scrubber

Spun Sediment Filter

Superior Dirt Holding Capacity



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

PART #	SIZE	MICRON RATING AVAILABLE	FITS
SF-2510-SP	2.5" x 10"	1m, 10m	EX200, EX400, GX200, GX400, miniScrub
SF-2520-SP	2.5" x 20"	1m, 10m	EX400-T, EX800-T, SlimScrub
SF-4510-SP	4.5" x 10"	1m, 5m, 10m	EX600/1000, GX600/1000, Lil' Boss, Lil' Boss Deluxe
SF-4520-SP	4.5" x 20"	1m, 5m, 10m	EX600/1000-TALL, CX Series, XL Scrubber



KDF85 Catalytic Carbon Filter

Superior Carbon Block



KDF85/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	CARBON CAPACITY TOTAL GALLONS	FITS
CF-2510-KDF	2.5" x 10"	8,000	EX200, EX400, GX200, GX400, miniScrub
CF-2520-KDF	2.5" x 20"	17,000	EX400-T, EX800-T, SlimScrub
CF-4510-KDF	4.5" x 10"	17,000	EX600/1000, GX600/1000, Lil' Boss, Lil' Boss Deluxe
CF-4520-KDF	4.5" x 20"	34,000	EX600/1000-TALL, CX Series, XL Scrubber

White Block Coconut Carbon Filter

High Performance Carbon Block

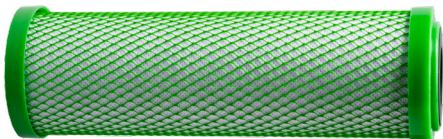


Performance: High purity coconut shell activated carbon filter. Superior chlorine removal.

PART #	SIZE	CARBON CAPACITY TOTAL GALLONS	FITS
CF-2510-CC	2.5" x 10"	8,000	EX200, EX400, GX200, GX400, miniScrub
CF-2520-CC	2.5" x 20"	17,000	EX400-T, EX800-T, SlimScrub
CF-4510-CC	4.5" x 10"	17,000	EX600/1000, GX600/1000, Lil' Boss, Lil' Boss Deluxe
CF-4520-CC	4.5" x 20"	34,000	EX600/1000-TALL, CX Series, XL Scrubber

Green Block Coconut Carbon Filter

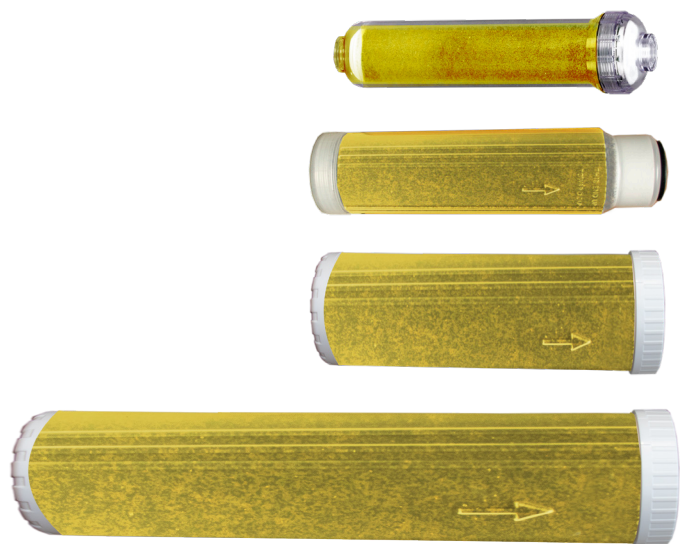
Eco Friendly Carbon Block



Green Coco: NFS61 Listed Green carbon. High flow with a low carbon footprint.

PART #	SIZE	CARBON CAPACITY TOTAL GALLONS	FITS
CF-2510-GB	2.5" x 10"	8,000	EX200, EX400, GX200, GX400, miniScrub
CF-2520-GB	2.5" x 20"	17,000	EX400-T, EX800-T, SlimScrub
CF-4510-GB	4.5" x 10"	17,000	EX600/1000, GX600/1000, Lil' Boss, Lil' Boss Deluxe

SPECIALTY CARTRIDGES



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, laboratory use, or those with certain well water issues.

Clear housings are for display purposes only.

PART #	SIZE
DI-INLINE-14	2" x 12"
DI-CART-2510	2.5" x 10"
DI-CART-2520	2.5" x 20"
DI-CART-4510	4.5" x 10"
DI-CART-4520	4.5" x 20"



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 8.5-9.5—creating mineralized alkaline drinking water.

Clear housings are for display purposes only.

PART #	SIZE	~RATED FLOW
ALK-INLINE-14	2" x 12"	.07 GPM
ALK-CART-2510	2.5" x 10"	.07 GPM
ALK-CART-2520	2.5" x 20"	.15 GPM
ALK-CART-4510	4.5" x 10"	.25 GPM
ALK-CART-4520	4.5" x 20"	.5 GPM



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 #	SIZE	~RATED FLOW
RM-INLINE-14	2" x 12"	.07 GPM
RM-CART-2510	2.5" x 10"	.07 GPM
RM-CART-2520	2.5" x 20"	.15 GPM
RM-CART-4510	4.5" x 10"	.25 GPM
RM-CART-4520	4.5" x 20"	.5 GPM



UV Sterilization

Stainless steel ultraviolet filtration designed to remove 99.9% of micro-organisms in your water supply.

A must for well water treatment, whole house filter systems, or any time water will be stored

PART #	DESCRIPTION	FLOW RATE	VAC
UV-1530	UV Sterilization	1 GPM	120 VAC
UV-6010	UV Sterilization	2 GPM	120 VAC
UV-LB	UV Sterilization	4 GPM	120 VAC
UV-XL	UV Sterilization	6 GPM	120 VAC
UV-12	UV Sterilization	12 GPM	120 VAC



UV Quartz Sleeve

Replacement quartz sleeves for all GrowoniX UV filters.

PART #	FITS
UV-1530-QS	UV-1530
UV-6010-QS	UV-6010
UV-LB-QS	UV-LB
UV-XL-QS	UV-XL
UV-12-QS	UV-12



UV Replacement Lamp

Replacement UV bulbs for all GrowoniX UV filters.

PART #	FITS
UV-1530-RL	UV-1530
UV-6010-RL	UV-6010
UV-LB-RL	UV-LB
UV-XL-RL	UV-XL
UV-12-RL	UV-12

COMPONENTS

Two Way Divider

Divide one line into two lines.

PART #	SIZE
FI-2WD-14	1/4"
FI-2WD-38	3/8"
FI-2WD-12	1/2"



Float Valve



PART #	SIZE
VA-FLV-1438	1/4" & 3/8"

Faucet

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

PART #
Faucet



Male Elbow

Membrane Housing Fitting for EX100 through GX400

PART #	SIZE
FI-ME-1418	1/8" NPT x 1/4" QC
FI-ME-1418-BLK	1/8" NPT x 1/4" QC



Pre-filter Housing Output Fitting for EX100 through GX400 (verify before purchase).

PART #	SIZE
FI-ME-1438	3/8" NPT x 1/4" QC
FI-ME-14	1/4 NPT x 1/4" QC



Three Way Divider

Divide one line into three lines.

PART #	SIZE
FI-3WD-3814	1/4" X 3/8"
FI-3WD-1238	1/2" X 3/8"



Garden Hose Connector

For connection to garden hoses and hose spigots.

PART #	SIZE
GHC-14	1/4"
GHC-38	3/8"
GHC-12	1/2"



Wrench

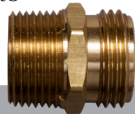
Wrench for tightening carbon and sediment filter sump housings



PART #	SIZE	DESCRIPTION
Wrench-2.5	2.5"	For small sumps
Wrench-4.5	4.5"	For big blue sumps

Male Garden Hose Adapter

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



PART #	SIZE
FI-BR-34-MGH	3/4" & 1/2" pipe x 3/4" MGH

Garden Hose Swivel

3/4" Garden Hose Swivel Coupler, Brass

PART #	SIZE
FI-BR-FGH-SWIV	3/4"



O-Ring Lubricant

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

PART #
Silicon Grease



Union Elbow

PART #	SIZE
FI-UE-14	1/4"
FI-UE-38	3/8"
FI-UE-12	1/2"



Union

PART #	SIZE
FI-U-14	1/4"
FI-U-3814	1/4"x3/8"
FI-U-38	3/8"
FI-U-1238	3/8"x1/2"
FI-U-12	1/2"



Shower Fitting

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

PART #	SIZE
FI-FC-3812	1/2" X 3/8" QC



Drain Clamp

Drain clamp for connecting waste line to plumbing.

PART #	SIZE
DWC-14	1/4"
DWC-38	3/8"



Tee

PART #	SIZE
FI-T-14	1/4"
FI-T-38	3/8"
FI-T-12	1/2"



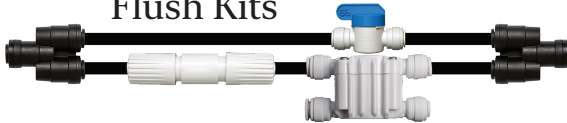
Feed Valves

For Various Applications
And System Connections



	PART #	DESCRIPTION
1	VA-FV-1212	Feed Valve 1/2" plumbing with 1/2" quick connect and shut-off
2	VA-FV-1238-JG	Feed Valve 3/8" or 1/2" plumbing with 3/8" quick connect and shut-off

Flush Kits



Fits all GrowoniX RO filters. Creates a bypass loop around the flow restrictor for unrestricted membrane flushing at line pressure.

PART #	FITS
FK-200	EX/GX100-200
FK-400	EX/GX400
FK-600	EX/GX600
FK-800	EX800-T
FK-1000	EX/GX1000
FK-1000-DLX	EX/GX1000 Deluxe

Flow Restrictor



PART #	FITS
FR-800	EX/GX100-200
FR-1500	EX/GX600, EX800-T
FR-2200	EX/GX1000, EX800-T
FR-2800	EX/GX1000 Deluxe

ASV-Auto Shutoff Valves



PART #	FITS
ASV-14	EX/GX100-400
ASV-38	EX/GX600, EX800-T, EX/GX1000

Pressure Block

Fixed pressure regulator.
Regulates incoming
water pressure
down to 70 PSI.
Can be up-sized to 3/8"
or 1/2".

PART #	SIZE
PR-70	1/4"



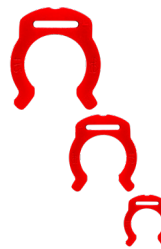
Ball Valve

PART #	SIZE
VA-BV-14	1/4"
VA-BV-38	3/8"
VA-BV-12	1/2"



Fitting Clips

PART #	SIZE
CLIP-14	1/4"
CLIP-38	3/8"
CLIP-12	1/2"



Tubing

NFS/FDA approved
high quality
polyethylene tubing.

PART #	SIZE
TU-14-B	1/4"
TU-14-W	1/4"
TU-38-B	3/8"
TU-38-W	3/8"
TU-12-B	1/2"
TU-12-W	1/2"



Pressure Regulator

Adjustable pressure regulator
with liquid filled
stainless steel gage
and 3/8" quick connects.
Can be up-sized to 1/2".

PART #	SIZE
PR-ADJ	3/8"



Bladder Tank

Standard drinking water
bladder tanks. Great for
use as system line buffers
as well.

PART #	SIZE
TA-3.2	3 Gal
TA-4.4	4 Gal
TA-5.5	5 Gal





GROWONIX

WATER SYSTEMS

TUNED FOR GROWING



THE MOST EFFICIENT WATER FILTRATION & PLANT FEEDING SYSTEMS