Clearion

WATER TECHNOLOGIES

WATER TECHNOLOGIES

I. INTRODUCTION

II. PRODUCTS SECTION

Water Softeners

Iron / Sulfur Filters

Whole House Filter

Control Valves

UV & RO Systems

Contacting Us Is Easy

Mailing & Shipping Address

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One or more features of this product are covered by U.S. patents, visit http://clearionwater.com/patents.php for more information.

Clearion
WATER TECHNOLOGIES

Features

- Eliminates Hardness (Calcium & Magnesium)
- Exclusive RS-1 Electronic meter initiated controls
- Legacy View Bluetooth enabled control valve for advanced diagnostics and simplified set up
- Simple 9 volt battery back-up keeps electronic meter active and will motor control valve to shut off position if in regeneration during power failure
- On demand meter providing data and history
- Adjustable Cycle Times
- Calendar Day Override
- Proprietary two valve bypass with 1" MNPT Connections
- High Flow 1" distributor
- Treated Water Refill with pre-brine option

General Specifications	CLCM24	CLCM32
Grains Capacity / Lbs Salt Used* per regeneration	24,000 / 12 **20,000 / 7.5** 15,000 / 4.5	32,000 / 15 **27,000 / 9** 20,000 / 6
Maximum Raw Water Hardness (grains)	50	75
Maximum Clear Iron / Manganese (ppm)	3	5
Exchange Resin (cu ft)	.75	1.0
Mineral Tank (polyglass)	9 x 35	9 x 35
Brine Tank (polyethylene w grid & safety)	N/A	N/A
Service Flow Rate** (gpm)	8.0	11.0
Backwash Flow Rate (gpm)	2.0	2.0
Gallons Used / Regeneration	86	88
Space Required	23 x 14 x 45	23 x 14 x 45
Approximate Shipping Weight (lbs)	88	100

* Factory Salt Setting: 9 lbs / cu. ft.
** The pressure drop does not exceed 15.0 psi at the service flow rate.

Clearion
WATER TECHNOLOGIES

Features

- Eliminates Hardness (Calcium & Magnesium)
- Reduces Iron / Manganese stains and taste
- 300 Series Control Valve
- Legacy View Bluetooth enabled control valve for advanced diagnostics and simplified set up
- Simple 9 volt battery back-up keeps electronic meter active and will motor control valve to shut off position if in regeneration during power failure
- On demand meter providing data and history
- Adjustable Cycle Times
- Calendar Day Override
- Proprietary two valve bypass with 1" MNPT Connections
- Weather / Insect Resistant One-Piece Slide Cover
- High Flow 1" distributor
- Features Vortech™ tank technology maximizing capacity and efficiency
- Treated Water Refill with pre-brine option
- Standard brine tank size 16" X 33"
- High Flow brine safety float assembly, overflow fitting, grid plate and brine well

General Specifications	CLM24 CLM24V	CLM32 CLM32V	CLM48 CLM48V	CLM64 CLM64V	CLM96V
Grains Capacity - Regeneration / Lbs Salt Used**	24,000 / 12 **20,000 / 7.5** 15,000 / 4.5	32,000 / 15 **27,000 / 9** 20,000 / 6	48,000 / 24 **40,000 / 15** 30,000 / 9	64,000 / 30 **54,000 / 18** 40,000 / 12	96,000 / 45 **81,000 / 27** 60,000 / 18
Maximum Raw Water Hardness (grains)	50	75	100	100	100
Maximum Clear Iron / Manganese	3	5	5	5	5
Exchange Resin (cu ft per tank)	.75	1.0	1.5	2.0	3.0
Mineral Tanks (polyglass)	8 x 44	9 x 48	10 x 54	12 x 52	13 x 65
Brine Tank (polyethylene w grid & safety)	16 x 33	16 x 33	16 x 33	16 x 33	18 x 40
Service Flow Rate (gpm per active tank)*	8.0	10.0	11.0	12.0	14.0
Backwash Flow Rate (gpm)	1.5	2.0	2.4	3.5	
Gallons Used / Regeneration	79	90	101	140	
Backwash Flow Rate (gpm) **Vortech (V) Units**	**1.2**	**1.5**	**2.0**	**2.4**	**3.0**
Gallons Used / Regeneration **Vortech (V) Units**	**69**	**78**	**90**	**117**	**126**
Space Required	16 x 26 x 53	16 x 27 x 56	16 x 28 x 62	16 x 30 x 60	18 x 32 x 74
Approximate Shipping Weight (lbs)	88	100	133	164	285

*96 Series only available in Vortech Units

 * The pressure drop does not exceed 15.0 psi at the service flow rate.
** Factory Salt Settings: - 9lbs./cuft.

Features

- Eliminates Hardness (Calcium & Magnesium)
- High Quality Fine Mesh for increased Iron / Manganese Reduction
- 300 Series Control Valve
- Legacy View Bluetooth enabled control valve for advanced diagnostics and simplified set up
- Simple 9 volt battery back-up keeps electronic meter active and will motor control valve to shut off position if in regeneration during power failure
- On demand meter providing data and history
- Adjustable Cycle Times
- Calendar Day Override
- Proprietary two valve bypass with 1" MNPT Connections
- Weather / Insect Resistant One-Piece Slide Cover
- High Flow 1" distributor
- Treated Water Refill with pre-brine option
- Standard brine tank size 16" X 33"
- High Flow brine safety float assembly, overflow fitting, grid plate and brine well

General Specifications	CLMH32	CLMH48	CLMH64	CLMH96
Grains Capacity - Regeneration / ** Lbs Salt Used	**35,000 / 15** 32,000 / 9 26,500 / 6	**52,500 / 24** 48,000 / 15 39,750 / 9	**70,000 / 30** 64,000 / 18 53,000 / 12	**105,000 / 45** 96,000 / 27 85,000 / 18
Maximum Raw Water Hardness (grains)	75	100	100	100
Maximum Clear Iron / Manganese	5	10	10	10
Exchange Resin (cu ft per tank)	1.0	1.5	2.0	3.0
Mineral Tanks	9 x 48	10 x 54	12 x 52	13 x 65
Gravel (in lbs)	20	20	30	50
Brine Tank (polyethylene w grid & safety)	16 x 33	16 x 33	16 x 33	18 x 40
Service Flow Rate (gpm per active tank)*	10.0	11.0	12.0	14.0
Backwash Flow Rate (gpm)	1.2	1.5	2.0	2.4
Gallons Used / Regeneration	72	83	95	112
Space Required	16 x 27 x 56	16 x 28 x 62	16 x 30 x 60	18 x 32 x 74
Approximate Shipping Weight (lbs)	130	163	204	290

* The pressure drop does not exceed 15.0 psi at the service flow rate.
** Factory Salt Setting: 15lbs./cuft.

Features

- Eliminates Hardness (Calcium & Magnesium)

- Catalytic Carbon Reduces Chlorine and Chloramine taste and odor

- 300 Series Control Valve

- Legacy View Bluetooth enabled control valve for advanced diagnostics and simplified set up

- Simple 9 volt battery back-up keeps electronic meter active and will motor control valve to shut off position if in regeneration during power failure

- On demand meter providing data and history

- Adjustable Cycle Times

- Calendar Day Override

- Proprietary two valve bypass with 1" MNPT Connections

- Weather / Insect Resistant One-Piece Slide Cover

- High Flow 1" distributor

- Mid-Vortech Standard

- Treated Water Refill with pre-brine option

- Standard brine tank size 16" X 33"

- High Flow brine safety float assembly, overflow fitting, grid plates and brine well

General Specifications	CLMC32	CLMC48
Catalytic Carbon Media	.5 cu. ft.	1 cu. ft.
Softening Capacity	27,000	40,000
Salt Used / Regeneration (lbs)	9	15
Maximum Raw Water Hardness (gpg)	75	100
Maximum Raw Water Iron (ppm)	5	5
Service Flow Rate (gpm per active tank)*	5	8
Intermittent Flow Rate (gpm)	7	10
Backwash Flow Rate (gpm)	2.4	3.5
Mineral Tank Size (inches)	10 x 54	13 x 54
Gallon Used / Backwash	81	105
Space Required	16 x 28 x 62	16 x 31 x 73
Approximate Shipping Weight (lbs)	130	240

*The pressure drop does not exceed 15.0 psi at the service flow rate.

* The pressure drop does not exceed 15.0 psi at the service flow rate.
** Factory Salt Setting; 9lbs./cuft.

300 Series Filter & Soft Combination

Features

- Perfect for Filtering and Softening in ONE System
- 300 Series Control Valve
- Legacy View Bluetooth enabled control valve for advanced diagnostics and simplified set up
- Simple 9 volt battery back-up keeps electronic meter active and will motor control valve to shut off position if in regeneration during power failure
- On demand meter providing data and history
- Adjustable Cycle Times
- Calendar Day Override
- Proprietary two valve bypass with 1" MNPT Connections
- Weather / Insect Resistant One-Piece Slide Cover
- High Flow 1" distributor
- Features Enpress ® Vortech™ mid-plate technology
- Treated Water Refill with pre-brine option
- Standard brine tank size 16" X 33"
- High Flow brine safety float assembly, overflow fitting, grid plates and brine well

General Specifications	CLMF32-10D	CLMF48-15D
Filter Media Capacity	1 cu ft	1.5 cu ft
Softening Capcity	32,000	48,000
Service Flow Rate (gpm)*	5.0	8.0
Intermittent Flow Rate (gpm)	7.0	10.0
Backwash Flow Rate (gpm)	5.0	7.0
Gallons Used / Backwas	130	170
Mineral Tank Size	10 x 65	13 x 54
Space Required	16 x 28 x 73	16 x 31 x 73
Approximate Shipping Weight (lbs)	126	182

* The pressure drop does not exceed 15.0 psi at the service flow rate

Features

- Eliminates Hardness (Calcium & Magnesium)
- Reduces Tannin stains, taste & odor
- 300 Series Control Valve
- Legacy View Bluetooth enabled control valve for advanced diagnostics and simplified set up
- Simple 9 volt battery back-up keeps electronic meter active and will motor control valve to shut off position if in regeneration during power failure
- On demand meter providing data and history
- Adjustable Cycle Times
- Calendar Day Override
- Proprietary two valve bypass with 1" MNPT Connections
- Weather / Insect Resistant One-Piece Slide Cover
- High Flow 1" distributor
- Vortech Standard
- Treated Water Refill with pre-brine option
- Standard brine tank size 16" X 33"
- High Flow brine safety float assembly, overflow fitting, grid plates and brine well

General Specifications	CLMT32	CLMT48	CLMT64
Grains Capacity / Hardness per Regeneration	24,000	32,000	48,000
**Salt Used / Regeneration (lbs)	12.0	15.0	24.0
Maximum Raw Water Hardness (grains)	50	75	100
Maximum Clear Iron / Manganese (ppm)	.50	.50	.50
Exchange Resin (cu ft) Tannin Resin (cu ft)	.75 .25	1.0 .50	1.5 .50
Mineral Tank (Vortech ™)	9 x 48	10 x 54	12 x 52
Brine Tank (polyethylene with grid & safety)	16 x 33	16 x 33	16 x 33
Service Flow Rate (gpm)*	10.0	11.0	12.0
Backwash Flow Rate ((gpm)	1.2	1.5	2.0
Gallons Used / Regeneration	69	80	93
Space Required	16 x 27 x 56	16 x 28 x 62	16 x 30 x 60
Approximate Shipping Weight (lbs)	100	133	164

* The pressure drop does not exceed 15.0 psi at the service flow rate.
**Factory Salt Setting; 15lbs./cuft.

Features

- Reduces Nitrates (EPA MCL* – 10.0 mg/l)

- Reduces Sulfates (EPA SMCL** – 250 mg/l)

- Reduces Fluoride (EPA MCL* – 4.0 mg/l)

- 300 Series Control Valve

- Legacy View Bluetooth enabled control valve for advanced diagnostics and simplified set up

- Simple 9 volt battery back-up keeps electronic meter active and will motor control valve to shut off position if in regeneration during power failure

- On demand meter providing data and history

- Adjustable Cycle Times

- Calendar Day Override

- Proprietary two valve bypass with 1" MNPT Connections

- Weather / Insect Resistant One-Piece Slide Cover

- High Flow 1" distributor

- Vortech Standard

- Treated Water Refill with pre-brine option

- Standard brine tank size 16" X 33"

- High Flow brine safety float assembly, overflow fitting, grid plates and brine well

General Specifications	CLMN15	CLMN25
Grains Capacity / Regeneration	15,000	25,000
Salt Used / Regeneration	18.0	30.0
Maximum Raw Water Nitrate / Sulfate (mg/l)	100	100
Maximum Clear Iron / Manganese (ppm)	0	0
Exchange Resin (cu ft)	1.5	2.5
Mineral Tank (Vortech ™)	10 x 54	13 x 54
Brine Tank (polyethylene with grid & safety)	16 x 33	16 x 33
Service Flow Rate (gpm)*	5.0	8.0
Backwash Flow Rate ((gpm)	1.2	2.4
Gallons Used / Regeneration	60	80
Space Required	16 x 28 x 62	16 x 31 x 62
Approximate Shipping Weight (lbs)	133	251

Clearion
WATER TECHNOLOGIES

Features

- Proprietary 360 Series control valve with independently programmable air draw & backwash cycles saving THOUSANDS of gallons of water per year

- Legacy View Bluetooth enabled control valve for advanced diagnostics and simplified set up

- Includes meter to provide water usage history

- Simplicity of a single tank aeration system that can be used with any type of well pump and system (standard submersible, constant pressure, jet pump)

- Precise external air injection directly into the media tank to help prevent control valve fouling & for ease of service

- The control valve slowly releases compressed air charge prior to backwash cycle eliminating the explosive blast that can dislodge the drain line

- Operates on low 12 vdc power

- Smart Blend™ media for efficient reduction of iron, manganese, sulfur & correction of low pH

- Enpress® Vortech™ distributor plate for exceptional backwashing capability

- Proprietary two valve bypass with 1" MNPT Connections

- Simple 9 volt battery back-up keeps electronic meter active and will motor control valve to shut off position if in regeneration during power failure

SULFUR / IRON pH charts
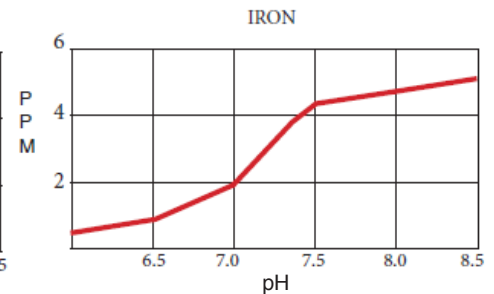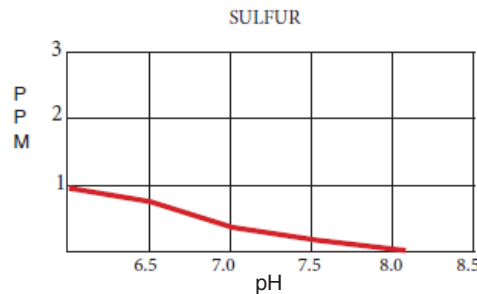
General Specifications	CLF10-360	CLF13-360
Filter Media Type	SMART BLEND™	
Filter Media Capacity (cu ft)	1.5	2.5
Mineral Tank (Vortech ™)	10 X 54	13 X 54
Service Flow Rate - Continuous (gpm)	5	8
Service Flow Rate - Intermittent (gpm)	7	10
Backwash Flow Rate (gpm)	5.0	7.0
Gallons Used / Backwash	106	146
Space Required	10 X 10 X 62	13 X 13 X 62
Approximate Shipping Weight (lbs)	145	221

Clearion
WATER TECHNOLOGIES

360 'S' Series
Single Tank Aeration

Features

- Proprietary 360 Series control valve with independently programmable air draw & backwash cycles saving THOUSANDS of gallons of water per year

- Legacy View Bluetooth enabled control valve for advanced diagnostics and simplified set up

- Includes meter to provide water usage history

- Simplicity of a single tank aeration system that can be used with any type of well pump and system (standard submersible, constant pressure, jet pump)

- Precise external air injection directly into the media tank to help prevent control valve fouling & for ease of service

- The control valve slowly releases compressed air charge prior to backwash cycle eliminating the explosive blast that can dislodge the drain line

- Operates on low 12 vdc power

- Catalytic Carbon media and KDF 85 foam cubes for efficient reduction of sulfur and control of sulfur bacteria.

- Enpress® Vortech™ distributor plate for exceptional backwashing capability

- Proprietary two valve bypass with 1" MNPT Connections

- Simple 9 volt battery back-up keeps electronic meter active and will motor control valve to shut off position if in regeneration during power failure
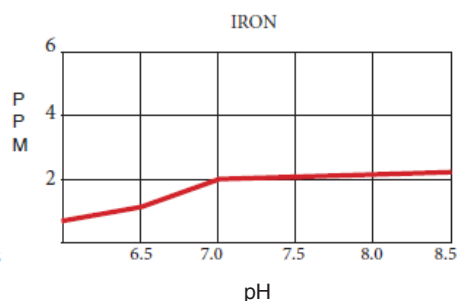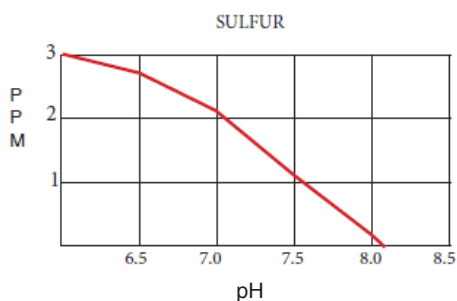
SULFUR

IRON

pH

pH

General Specifications	CLF10-360S	CLF13-360S
Filter Media Type	CATAYLIC CARBON	
Filter Media Capacity (cu ft)	1.5	2.5
KDF Cubes	1.5 lbs	2.5 lbs
Mineral Tank (Vortech ™)	10 X 54	13 X 54
Service Flow Rate - Continuous (gpm)	5	8
Service Flow Rate - Intermittent (gpm)	7	10
Backwash Flow Rate (gpm)	5.0	7.0
Gallons Used / Backwash	106	146
Space Required	10 X 10 X 62	13 X 13 X 62
Approximate Shipping Weight (lbs)	145	221

WATER TECHNOLOGIES

Revolutionary Features

- Air is injected into the top of the tank converting ferrous iron to ferric iron after untreated water has passed through the control valve preventing the control valve from fouling with iron

- 360 Series Control Valve

- Legacy View Bluetooth enabled control valve for advanced diagnostics and simplified set up

- Simple 9 volt battery back-up keeps electronic meter active and will motor control valve to shut off position if in regeneration during power failure

- Includes meter to provide water usage history

- Enpress ® Vortech™ distributor plate - provides vigorous backwash with no gravel underbed needed

- Air draw cycle can be initiated without a backwash cycle saving 1000's of gallons of water annually

- The control valve slowly releases compressed air charge prior to backwash cycle eliminating the explosive blast that can dislodge the drain line

- Adjustable cycle times

- Proprietary two valve bypass with 1" MNPT Connections

- High Flow 1" distributor

- Smart Blend filter media

- Top cap fill opening for ease of service

- Compatible with any type of well pump system

Ozone Complete Option Available

OxyClean Option

The OXY-08NP attaches to your unit, allowing it to inject a peroxide or chlorine solution only during backwash.
Tank Size - 5 Gallons

SULFUR

IRON
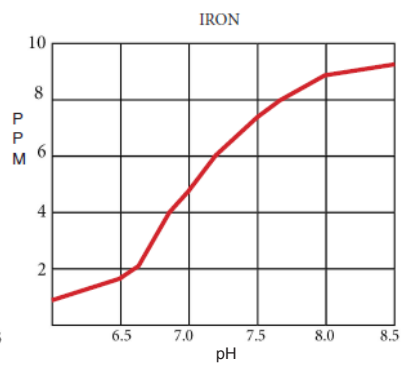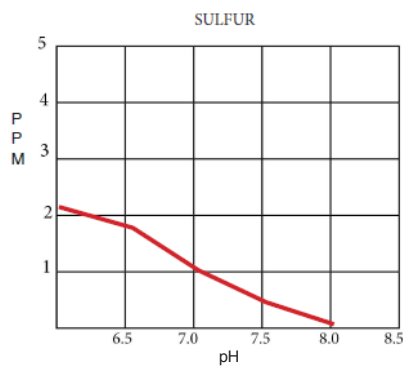
General Specifications	CLSK15	CLSK25
Filter Media Type	SMART BLEND ™	
Filtration Media Capacity (CU. FT.)	1.5 cu. ft.	2.5 cu. ft.
Mineral Tank	10 X 54	13 X 54
Service Flow Rate - Continuous (GPM)	5	8
Service Flow Rate - Intermittent (GPM)	7	10
Backwash Flow Rate (GPM)	5.0	7.0
Gallons Used / Backwash	106	146
Space Required (D x W x H inches)	10 X 21 X 61	13 X 24 X 61
Approximate Shipping Weight	160	236

Revolutionary Features

- Air is injected into the top of the tank converting ferrous iron to ferric iron after untreated water has passed through the control valve preventing the control valve from fouling with iron

- 360 Series Control Valve

- Legacy View Bluetooth enabled control valve for advanced diagnostics an simplified set up

- Simple 9 volt battery back-up keeps electronic meter active and will motor control valve to shut off position if in regeneration during power failure

- Includes meter to provide water usage history

- Enpress ® Vortech™ distributor plate - provides vigorous backwash with no gravel underbed need

- Air draw cycle can be initiated without a backwash cycle saving 1000's of gallons of water annually

- The control valve slowly releases compressed air charge prior to backwash cycle eliminating the explosive blast that can dislodge the drain line

- Adjustable cycle times

- Proprietary two valve bypass with 1" MNPT Connections

- High Flow 1" distributor

- Catalytic Carbon & KDF cubes for Sulfur Reduction

- Top cap fill opening for ease of service

- Compatible with any type of well pump system
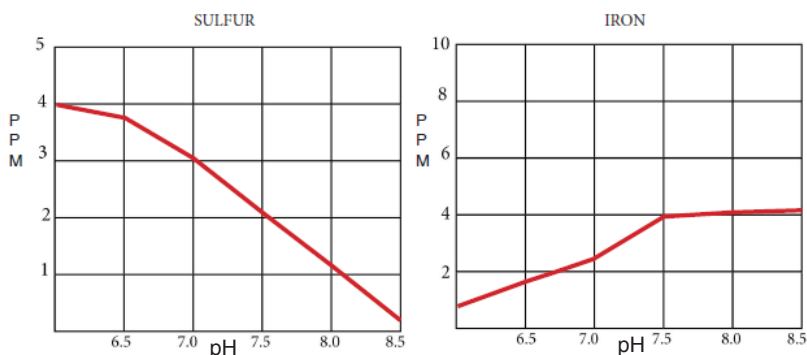
General Specifications	CLSK15S	CLSK25S
Filter Media Type	CATALYTIC CARBON	
Filtration Media Capacity (CU. FT.)	1.5 cu. ft.	2.5 cu. ft.
KDF Cubes	1.5 lbs	2.5 lbs
Mineral Tank	10 X 54	13 X 54
Service Flow Rate - Continuous (GPM)	5	8
Service Flow Rate - Intermittent (GPM)	7	10
Backwash Flow Rate (GPM)	5.0	7.0
Gallons Used / Backwash	106	146
Space Required (D x W x H inches)	10 X 21 X 61	13 X 24 X 61
Approximate Shipping Weight	160	236

Clearion
WATER TECHNOLOGIES

Features

- 300 Series Control Valve

- Legacy View Bluetooth enabled control valve for advanced diagnostics and simplified set up

- Simple 9 volt battery back-up keeps electronic meter active and will motor control valve to shut off position if in regeneration during power failure

- On demand meter providing data and history

- Adjustable Cycle Times

- High backwash flow capability

- Proprietary two valve bypass with 1" MNPT Connections

- Weather / Insect Resistant One-Piece Slide Cover

- Features Enpress ® Vortech™ distributor plate

General Specifications	CLF10-300HD	CLF12-300HD	CLF13-300HD	CLF14-300HD
Filter Media Type	SMART BLEND ™			
Filter Media Capacity (cu ft)	1.5	2.0	2.5	3.0
REACTR ™ Tank (polyglass)	10 x 54	10 x 54	10 x 54	16 x 40
Mineral Tanks (Vortech)	10 x 54	12 x 52	13 x 54	13 x 65
Service Flow Rate - Continuous (gpm)	5	6	8	9
Service Flow Rate - Intermittent (gpm)	7	8	10	11
Backwash Flow Rate (gpm)	5.0	6.0	7.0	10.0
Gallons Used / Regeneration	100	120	140	200
Space Required - Filter Tank	10 x 10 x 62	10 x 10 x 62	10 x 10 x 62	16 x 16 x 73
Approximate Shipping Weight (lbs)	165	236	270	311

Note: Caution should always be used in sizing filters. Always choose a unit by satisifying the *Backwash Requirement*. Use of a flow control in the Service Line is highly recommended. Consult the factory or your field sales person with questions. Oxyclean can be added to any existing Reactr or Reactr VS system.

SULFUR
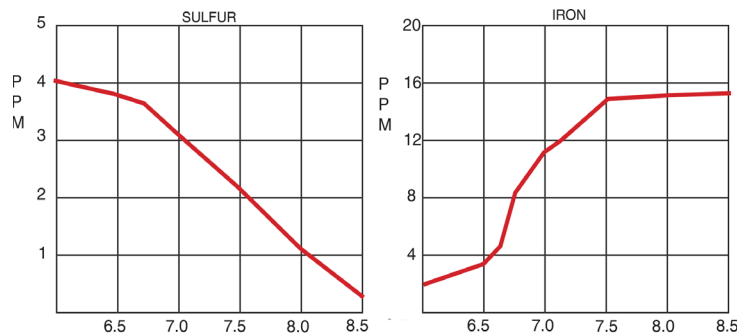

IRON

Clearion
WATER TECHNOLOGIES

Features

- 300 Series Control Valve with meter for precise compressor control

- Legacy View Bluetooth enabled control valve for advanced diagnostics and simplified set up

- Simple 9 volt battery back-up keeps electronic meter active and will motor control valve to shut off position if in regeneration during power failure

- Designed for use with constant pressure (variable speed) and jet type pumping systems

- On demand meter for air compressor activation and data / history

- Quiet, high output, oil less air compressor for maximum aeration

- Adjustable Cycle Times

- High backwash flow capability

- Proprietary two valve bypass with 1" MNPT Connections

- Weather / Insect Resistant One-Piece Slide Cover

- Features Enpress ® Vortech™ distributor plate

General Specifications	CLF10-300HDAP	CLF12-300HDAP	CLF13-300HDAP	CLF14-300HDAP
Filter Media Type	SmartBlend ™			
Filter Media Capacity (cu ft)	1.50	2.00	2.50	3.00
REACTR ™ Tank (polyglass)	10 x 54	10 x 54	10 x 54	16 x 40
Mineral Tank (Vortech ™)	10 x 54	12 x 52	13 x 54	13 x 65
Service Flow Rate - Continuous (gpm)	5	6	8	9
Service Flow Rate - Intermittent (gpm)	7	8	10	11
Backwash Flow Rate (gpm)	5.0	6.0	7.0	10.0
Gallons Used / Backwash	100	120	140	200
Space Required - Filter Tank	10 x 10 x 62	10 x 10 x 62	10 x 10 x 62	16 x 16 x 73
Approximate Shipping Weight (lbs)	175	246	280	321

Note: Caution should always be used in sizing filters. Always choose a unit by satisfying the *Backwash Requirement*. Use of a flow control in the Service Line is highly recommended. Consult the factory or your field sales person with questions. Oxyclean can be added to any existing 360 HD - AP

300 HD Series Oxyclean Option
OXY-08R

300 HD-AP Oxyclean Option
OXY-08VS

Features

- Automatically cleans the entire 300 HD-AP system with every backwash
- Ideal for situations where media bed becomes fouled by high levels of ferric iron, iron or sulfur bacteria* and tannins*
- Installs in minutes
- Can be added to any existing 300 HD-AP system without changes to the plumbing or electrical wiring
- Effectively uses chlorine* or hydrogen peroxide*
- No pump adjustments required
- No pump check valves to maintain

* Not to be substituted for accepted disinfection techniques for moderate or high levels of these contaminants.

Clearion
WATER TECHNOLOGIES

Features

- 300 Series Control Valve

- Legacy View Bluetooth enabled control valve for advanced diagnostics and simplified set up

- Includes meter to provide water usage history

- Simple 9 volt battery back-up keeps electronic meter active and will motor control valve to shut off position if in regeneration during power failure

- Enpress ® Vortech™ distributor plate - provides vigorous backwash with no gravel underbed needed

- Adjustable Cycle Times

- High Backwash flow capability

- Proprietary two valve bypass with 1" MNPT Connections

- Weather / Insect Resistant One-Piece Slide Cover

- Optional dome fill hole and closure

- Optional "natural" color

- No chemical regenerants required

General Specifications	CLF9	CLF10	CLF12	CLF13	CLF14
Filtration[1]	**Less Filter Media**				
Filter Media Capacity (cu ft)	1.0	1.5	2.0	2.5	3.0
Mineral Tank (Vortech ™)	9 x 48	10 x 54	12 x 52	13 x 54	13 x 65
Service Flow Rate - Continuous[2] (gpm)	4	5	6	8	9
Service Flow Rate - Intermittent[2] (gpm)	6	7	8	10	11
Backwash Flow Rate[3] (gpm)	5.0	5.0	6.0	7.0	7.0
Gallons Used / Backwash	100	100	120	140	140
Space Required	9 x 9 x 56	10 x 10 x 62	12 x 12 x 60	13 x 13 x 62	14 x 14 x 74
Approximate Shipping Weight (lbs)	27	32	35	40	49

Note 1: See "Filter Media" section for selection of proper media for your filtration application.
Note 2: Use of a flow control in the Service Line is highly recommended.
Note 3: Caution should always be used in sizing filters! Always choose a unit by first satisfying the *Backwash requirement.* Consult the factory or your field sales person with questions.

Clearion
WATER TECHNOLOGIES

Features

- 300 Series Control Valve

- Legacy View Bluetooth enabled control valve for advanced diagnostics and simplified set up

- Patented NSF Std. 61 validated Titanium Oxide Adsorbent Media for the efficient reduction of both Arsenic III & V

- Includes meter to provide water usage history and totalization

- Proprietary two valve bypass with 1" MNPT Connections

- Simple 9 volt battery back-up keeps electronic meter active and will motor control valve to shut off position if in regeneration during power failure

- Excellent reduction of a wide range of heavy metals including Lead, Cadmium, Copper, Selenium, Uranium, Vanadium & Zinc

- Non-hazardous disposal of media as solid waste - media passes EPA TCLP (Toxicity Characteristic Leach Procedure)

- Higher adsorbent capacity than GFO (Granular Ferric Oxide) & GFH (Granular Ferric Hydroxide)

- Weather / Insect Resistant One-Piece Slide Cover

- Enpress ® Vortech ™ distributor plate for exceptional backwashing capability

General Specifications	CLA10	CLA20	CLA30
Arsenic/Heavy Metals Adsorption Media (cu ft)	1.0	2.0	3.0
Filter Sand Underbedding (lbs.)	10	20	30
Maximum Iron (ppm)	<0.30	<0.30	<0.30
Maximum Manganese (ppm)	< .04	< .04	< .04
Service Flow Rate Continuous (gpm)*	5.0	8.0	11.0
Backwash/Rinse Flow Rate (gpm)	2.0	4.0	5.0
Gallons Used Backwash/Rinse	30	60	75
Mineral Tank (Vortech ™)	9 X 48	12 X 52	13 X 65
Space Required (D X W X H in.)	9 X 9 X 56	12 X 12 X 60	13 X 13 X 74
Approximate Shipping Weight (lbs)	80	140	185

Note: Clearion recommends treatment system monitoring to determine media break through and change out. For redundancy, a lead / lag style system (two filters plumbed in series) is highly recommended.

Clearion
WATER TECHNOLOGIES

Features

- Signature 3™ Control Valve

- Legacy View Bluetooth enabled control valve for advanced diagnostics and simplified set up through the app

- Simple 9 volt battery back-up keeps electronic meter active and will motor control valve to shut off position if in regeneration during power failure

- Includes meter to provide water usage history

- Adjustable cycle times

- Proprietary two valve bypass with 1" MNPT Connections

- High Flow 1" distributor

- Includes gravel bed

- Top cap fill opening for ease of service / great for adding neutralizer media or replacing carbon media

- Standard natural color tank allows you to monitor media level

- Compatible with any type of well pump system

- Drain valve included to remove water from the tank prior to adding media

DRAIN VALVE

General Specifications	CLSMD15	CLSMD25
Media Capacity (CU. FT.)	1.5 cu. ft.	2.5 cu. ft.
Mineral Tank	10 X 54	13 X 54
Service Flow Rate - Continuous (GPM)	5	8
Service Flow Rate - Intermittent (GPM)	7	10
Backwash Flow Rate (GPM)	5.0	7.0
Gallons Used / Backwash	100	140
Space Required (D x W x H inches)	10 X 21 X 61	13 X 24 X 61
Approximate Shipping Weight	65	105

Clearion
WATER TECHNOLOGIES

Features

- Bypass with 1" MNPT Connections

- Enpress ® Vortech ™ distributor plate for exceptional backwashing capability

- Optional "natural" color

- Optional dome fill hole and closure

- Simply select and add the desired filter media

- No chemical regenerates required

- Economical alternative in certain applications

General Specifications	CLU9	CLU10	CLU12	CLU13
Filtration[1]	**Less Filter Media**			
Filter Media Capacity (cu ft)	1.0	1.5	2.0	2.5
Mineral Tank (Vortech ™)	9 x 48	10 x 54	12 x 52	13 x 54
Service Flow Rate - Continuous[2] (gpm)	4	5	6	8
Service Flow Rate - Intermittent[2] (gpm)	6	7	8	10
Space Required	9 x 9 x 52	10 x 10 x 58	12 x 12 x 56	13 x 13 x 58
Approximate Shipping Weight (lbs)	20	25	30	35

Note 1: See "Filter Media" section for selection of proper media for your filtration application.
Note 2: Use of a flow control in the Service Line is highly recommended.
Note 3: Caution should always be used in sizing filters! Always choose a unit by first satisfying the *Backwash requirement.* Consult the factory or your field sales person with questions.

WATER TECHNOLOGIES

Media	Ship Wt. (lbs)	Description	Handles...	Used in...
SmartBlend ™ SB75 SB10	45 61	Granular / White-Black / Blend of Filter Ag Plus and Katalox Light / Max life expectancy about 8-10 years but is dependent upon water chemistry and usage	Sediment Iron (clear & red) Manganese (clear & red) Sulfur Particles	360 300HD and Sidekick
Neutralizer NE50 NE75 NE10	50 64 85	Granular / White / Sacrificial to water with pH, 7.0 / Max pH correction to 7.2 / Lowest pH application 5.8 / Must be replenished about every 6 months to 1 year	Sediment (downflow) pH correction	CLF Filter Upflow Filter & Softener Combination
Neu-Cor™ NC75 NC10	62 82	Granular / Semi-round / White & Off-white / 70%-30% Blend of Neutralizer & Corosex® must be replenished on a regular basis since both components are sacrificial to low pH / Use on pH levels as low as 5.0	Sediment (downflow) pH Correction	CLF Filter Upflow Filter & Softener Combination
Corosex® CX75 CX10	79 103	Semi-round / Off-White / Magnesium Oxide / Extremely reactive to pH dissolving rapidly adding alkalinity / NEVER use 100% Corosex® in a filter as it will "cement"	Sediment (downflow) pH Correction	CLF Filter Upflow Filter & Softener Combination
Coconut Shell Carbon CN75 CN10	22 30	Black / High carbon-low ash content. Practical for ordinary taste, odor and chrlorine loads. Will impart a high "polish" to the filtered water.	Taste/Odor/Chlorine	CLF Filter Upflow Filter & Softener Combination
Activated Carbon AC75 AC10	21 28	Granular / Black / Wide application for removal of organics and some inorganics / Must be replaced on a regular basis / Life expectancy varies based on use	Sediment Taste/Odor/Color Chlorine/Iodine	CLF Filter Upflow Filter & Softener Combination
Catalytic Carbon CC75 CC10	26 34	Granular/Black / enhanced activated carbon that has a higher catalytic power which produces an increased electron transfer for better absorption.	Sulfur Removal Chloramines	CLF Filter 360 and Sidekick City Softener
Filter Ag® FA75 FA10	21 28	Granular / Off-White / Wide application for removal of sediment / Life expectancy is unlimited	Sediment	CLF Filter
Filter Ag Plus FP75 FP10	37 50	Light tan to white, 5 micron filtration	Sediment	CLF Filter
Katalox Light KL75 KL10	49 66	Granular / Dark Gray / Max iron and Manganese level 10 ppm and H2S 1ppm / Estimated life 8 - 10 years Requires backwashing but not regeneration	Sediment (downflow) Iron (Clear & Red) Manganese (Clear & Red) Sulfur Removal pH Correction	CLF Filter 360 Sidekick 300HD Filter & Softener Combination
Birm® BM75 BM10	37 49	Granular / Gray / Must not be used on waters with a pH < 6.8 / Must have dissolved oxygen present at a level of at least 15% of iron & manganese ppm / Max iron & manganese level 10 ppm / Estimated life about 8-10 years	Sediment Iron (clear & red) Manganese (clear & red)	CLF Filter
Greensand Plus GP75 GP10	63 85	Granular / Black / Must not be used on waters with a pH <6.8 / Must be regenerated with potassium permanganate on a regular basis / Max iron & manganese level 10ppm/ Max H2S level 3ppm / Estimated life about 8-10 years	Sediment Iron (clear & red) Manganese (clear & red) Hydrogen Sulfide	CLIF Filter
GT10	42	Arsenic Media	Arsenic III and V	CLA Filter
"B" Gravel BG20 BG50	20 50	Semi-Round / Brown / #20 Flint / Used as underbed for all media in all filters providing for excellent flow distribution in both service and backwash modes / Permanent unless fouled but can be cleaned and re-used.	Underbed	All Non-Vortech Filter Tanks

Filter Media and Gravel are shipped in convenient reusable buckets.

Clearion
WATER TECHNOLOGIES

Features

- Filtration down to .02 micron - excellent for organic color, tannins, colloidal clay, virus, bacteria & cyst reduction

- Utilizes the Signature Series™ Shuttle Valve System to provide automatic clean water backwash of the UF membranes and tank flushing (a pressure tank with 15 gallons draw down is required and is not included)

- Membranes are NSF Standard 61 Certified

- Tank is NSF Standard 44 Certified

General Specifications	UF8C
Micron Rating	.02
Pre-Filtration Required (microns)	<5
Maximum Clear Iron / Manganese (ppm)	0
Service Flow Rate (gpm)	10
Backwash Flow Rate (gpm)	5.0
Gallons Used / Regeneration	15
Space Required	8 x 14 x 56
Approximate Shipping Weight (lbs)	46

Clearion
WATER TECHNOLOGIES

Features

- Full flow 1" service lines for Whole House performance of up to 25 gpm
- Longer life and lower pressure drop than traditional 2-½" and 4-½" cartridge filters
- Bypass and Pressure Release Valve allow for quick filter change without removal from plumbing - no tools necessary
- Union connections simplify installation
- Up to 150 psi working pressure
- Top dust Cover Keeps dust and dirt from accumulating and getting inside housing during filter change
- Free Standing - No need for mounting brackets or wall anchoring

Carbon Block Filters   Poly Wound / Melt Blown   Pleated

Carbon Block Filters for Taste/ Odor Removal & Sediment

General Specifications	CT-03-CB	CT-20-CB	CT-03-CB-AMINE
Micron Rating	3	20	3
Treatment Description	Chlorine / Sediment	Chlorine / Sediment	Chlorine / Sediment / Chloramine
Max Flow Rate / psi drop	25 gpm / 4 psi	25 gpm / 3 psi	25 gpm / 4 psi
Estimated Gallon Capacity	250,000 gallons of water @ 15 gpm with greater than 90% reduction, estimated capacity using 2ppm of free chlorine	150,000 gallons of water with 90% reduction using 2.0 ppm free chlorine at 7 gpm.	50,000 gallons of water with 85% reduction of chloramine @ 7 gpm.

Filters for Sediment Removal

General Specifications	CT-2005 - SWMB	CT-2010	CT-1005
Micron Rating	Outer layer 20 / Inner core 5	Outer layer 20 / Inner core 10	Outer layer 10 / Inner Core 5
Treatment Description	Sediment	Sediment	Sediment
Max Flow Rate / psi drop	25 gpm / 4 psi	25 gpm / 4 psi	25 gpm / 4 psi
Surface area vs typical 4.5" x 20" cartridge	2 times as much	6.5 times as much	6.5 times as much
Filter Type	String Wound w/ Melt Blown Core	Dual Gradiant / Double Pleated Polyester	Dual Gradiant / Double Pleated Polyester

MONSTR FLOW

PIONEER™ Lead & Cyst
POE Water Filtration System

PIONEER™ is specifically designed at a 0.5-micron nominal filtration level, to remove both particulate and soluble lead from your drinking water. Soluble lead is invisible, odorless, tasteless, and needs to be chemically removed from water. Particulate lead is like a tiny grain of sand that needs to be physically removed from water. The PIONEER™ POE filter is strategically designed to remove BOTH forms of lead contamination from the whole house in a single filter.

Not only does PIONEER remove heavy metals such as lead, it also removes and/or reduces chlorine, chloramine and other harmful contaminants in your water, including >99.95% of Cysts.

EASY TO UNDERSTAND LED REPLACEMENT NOTIFICATIONS

The Real-time Dynamic LED System monitors water and flow rate and provides a visual color-coded notification

PF-40

FILTER GOOD

CHANGE SOON
10% FILTER LIFE REMAINING

CHANGE NOW

General Specifications	CTA0840BBB-KP5-04C00
Micron Rating	05
Rated Capacity & Flow Rate	Lead Reduction 100,000 gallons @ 4.51 GPM @ 99.62% reduction
Peak Flow & % Reduction of Lead	8 GPM (30.2 lpm) @ 99.62% reduction
Chlorine / Chloramine Taste and Odor Reduction Capacity	> 300,000 gallons @ 15 GPM (1,135,533 Liters @ 56.8 lpm) with greater than 90% reduction, estimated capacity using 2 ppm of free chlorine > 150,000 gallons of 8 GPM (567,812 Liters @ 30.3 lpm) with greater than 85% reduction, estimated using 3ppm of chloramine
Pressure Drop Spec	15 psid @ 4.51 GPM

NSF®

OTHER HARMFUL ELEMENTS PIONEER REMOVES FROM YOUR WATER

PIONEER removes lead, which is a colorless, odorless and tasteless metal. In addition to lead, the patented PIONEER filtration system removes >99.95% of Giardia & Crypto, as well as Chlorine & Chloramine.

Giardia & Crypto - Waterborne parasite that causes diarrheal disease, very resistant to chlorine-based disinfectants, common in drinking and recreational water.
Chlorine & Chloramine - Water disinfectants added to municipal water, that have negative health effects and the most harmful exposure is through inhalation and skin adsorption of steam in a shower.

![Clearion Water Technologies logo]

WATER TECHNOLOGIES

LEGACY VIEW

SETUP
CONTROL
VIEW HISTORY
MODIFY SETTINGS
MONITOR WATER USAGE

Bluetooth™

Legacy View now comes standard on all 300 and 360 Series Valves

Legacy View makes setting up and monitoring your Chandler Systems water treatment system easier than ever. When used with a Legacy View Valve the user, through the app, can do the following functions:

• Conveniently view all valve settings and status
• Easily change valve settings
• View current water usage information
• Graphically view water usage information
• Start a regeneration or backwash cycle from your phone or tablet
• Set / view the servicing water treatment dealer information
• Better understand how your system is working and understand what settings are for
• Connect to all of your valves in your system (if they are all Legacy View Valves)
• Manage your connection to your valves

300 Series Control Valve

WATER TECHNOLOGIES

Product Features

- Simple set up through Bluetooth App
- 12 VDC operation
- 5 cycles, all fully adjustable
- Treated Water Refill with pre-brine option
- Programming ease and options increase efficiency, save salt and water
- Strong, durable Noryl® valve body, weather insect resistant one-piece slide cover
- Proprietary two valve bypass with 1" MNPT Connections
- 9V battery back-up
- Will motor to a drain line shut off position if power fails during regeneration
- Switch Output for:
    - -Full Cycle Function
    - -Backwash Function
- Limited 7 year warranty

Optional Configurations

- Backwash filter
- Meter initiated regeneration
- 360 & Sidekick Single Tank Aeration Systems

Valve Specifications	
Valve Material	Noryl®*
Inlet / Outlet	1"
Cycles	5
Flow Rates (50 psi inlet) - Valve Alone	
Continuous (15 psi drop)	21 gpm
Peak (25 psi drop)	27 gpm
CV (flow at 1 psi drop)	5.4
Max. backwash (25 psi drop)	17 GPM
Regeneration	
Downflow / Upflow	Downflow
Adjustable Cycles	Yes
Time Available	99 minutes per cycle
Meter Information	
Meter Accuracy Range	.25 - 15 gpm +/- 5%
Meter Capacity Range (gal.)	1 - 9,999
Dimensions	
Distributor Pilot	1.050" O.D.
Drain Line	1/2" NPT Q.C.
Brine Line	3/8"
Mounting Base	2-1/2" - 8 NPSM
Height From Top of Tank	7.7"
Typical Applications	
Water Softener	6" - 16" Diameter up to 4 ft^3 Capacity
Iron Filter	6" - 16" Diameter
Sediment Filter	6" - 16" Diameter
Carbon Filter	6" - 16" Diameter
Neutralizing Filter	6" - 16" Diameter
Additional Information	
Electrical Rating	12 VDC
Pressure	Hydrostatic: 300 psi Working: 20 - 125 psi
Temperature	34 ° - 110 ° F

*Noryl is a registered trademark of General Electric Company

Many wells, ponds and other untreated water sources may contain unwanted or harmful organisms. A supply tested drinkable one day, may become contaminated from underground seepage, surface water or ground water fouling from a myriad of sources.

Ultra Violet systems address these concerns without having to add chemicals like chlorine to water or changing its chemical compostion

Water Quality Parameters

UV disinfection is extremely effective against microorganisms but only if the UV light can pass through the water it needs to treat. This means that the quality of your water is very important in order to ensure complete disinfection. Treated water should be tested for at least the parameters listed below. If the water exceeds the listed parameters CHANDLER strongly recommends that appropriate pretreatment equipment be installed (equipment required will depend on parameters being treated):

Hardness: <7 gpg (120 mg/L) – if hardness level is 7 gpg or slightly below the quartz sleeve must be cleaned periodically in order to ensure efficient UV penetration; if above the water should be softened.

Iron (Fe): <0.3 ppm (0.3 mg/L)

Manganese (Mn): <0.05 ppm (0.05 mg/L)

Turbidity: < 1 NTU

Tannins (organics): <0.1 ppm (0.1 mg/L)

UVT (transmittance): >85%

General Specifications	UV6	UV11	UV11D	UV15D
Lamp	UVLMP-6	UVLMP-11	UVLMP-11	UVLMP-15
Sleeve	UVQTZ-6	UVQTZ-11	UVQTZ-11	UVQTZ-15
Max GPM @ 30mj / cm^2	6	11	11	15
Inlet / Outlet	3/4" MNPT	3/4" MNPT	3/4" MNPT	1" MNPT
Chamber	20.5" X 2.5"	35.2" X 2.5"	35.2" X 2.5"	40" X 2.5"
Solenoid	No	No	Optional	Optional
Lamp Out Indicator (audible & visual)	Yes	Yes	Yes	Yes
Lamp Life Countdown	Yes	Yes	Yes	Yes
Digital Display	No	No	Yes	Yes
UV Monitor	No	No	Optional	Optional
Shipping Weight	10 lbs	15 lbs	15 lbs	18 lbs

Features

All in one simple system that fits under your sink! Treatment of water by reverse osmosis represents a modern breakthrough in water filters. Water is processed at the molecular level, providing you and your family a reliable supply of quality drinking water.

That's why major bottled water companies use this process to filter water prior to bottling. Clearion has combined this fantastic reverse osmosis process with quality components to create a compact drinking water appliance that fits neatly under your sink.

General Specifications	TFC3 NSF CERTIFIED	TFC4 NSF CERTIFIED	TFC300
Membrane Rating[1] Production TDS Reduction	41-53 Gallons / Day 96%	41-53 Gallons / Day 96%	41-53 Gallons / Day 96%
System Rating[2] Production TDS Reduction	12 Gallons / Day 95%	12 Gallons / Day 95%	12 Gallons / Day 95%
Input Water Requirements	**TFC3**	**TFC4**	**TFC300**
Water Pressure	40 - 100 psi	40 - 100 psi	40 - 100 psi
Total Dissolved Solids (TDS)	2000 max.	2000 max.	2000 max,
Temperature	40 - 110° F.	40 - 110° F.	40 - 110° F
pH	4 - 11	4 - 11	4 - 11
Maximum Hardness (gpg)	<10	<10	<10
Maximum Iron (ppm)	<.1	<.1	<.1
Maximum Manganese (ppm)	<.05	<.05	<.05
Bacteria	None	None	N/A
Maximum Hydrogen Sulfide	None	None	N/A
Tannins	None	None	N/A
Replacement Components	**TFC3**	**TFC4**	**TFC300**
Sediment / Carbon Prefilter	PRE-GAC	PRE-GAC	PRE-GAC
Membrane	MM-TFC	MM-TFC	MM-TFC
Carbon Postfilter	PST-GAC	PST-GAC	PST-GAC
Carbon Polishing Filter	N/A	M-POL or M-POL-JG	N/A

Note 1: Measured at 65 psi, 77°F, 250 ppm TDS, discharging to atmosphere. Actual system production and contaminent reduction will depend upon water temperature, pressure, pH, and T.D.S. level, membrane variation and usage pattern.
Note 2: Measured at 50 psi, 77°F ±2°, 750 ± 40 mg / LT.D.S

Clearion WATER TECHNOLOGIES

Description	TFC Series
Replacement Membrane	MM-TFC
Replacement Prefilter	PRE-GAC
Replacement Postfilter	PST-GAC
Replacement Polishing Filter ("D" Models Only)	M-POL-JG
Optional Booster Pump Recommended for TDS 800+ or low inlet psi	BP-3

Description	Catalog Number
100" Roll (clear) 1/2" ID Drain Line Tubing for Softeners and Filters	DL-100-C
Potassium Permanganate - Case of 6 / 2# Bottles	KF02N
Media Funnel	U-1006
Res-Care Softener Resin Cleaner-1 Gallon Case of 4	RK128N
Res-Care Kit 64 oz.	RK15
Res-Care 6-pack 64 oz. Kit	RK15K
Res-Care 4-pack 64 oz.	RK64N

Comes Standard with every Clearion Softener	
Single Pack	SS1WS
24 Pack	SS24WS

Like millions of people in America, you may have water quality treatment equipment installed in your home. You count on those systems to provide all the benefits of softened water and clean drinking water.

But if your water treatment equipment is not properly sanitized, bacteria can grow and multiply wherever the water sits, including on the inside surfaces of tanks and hoses. When water sits, chlorine levels drop, reducing its chemical ability to prevent bacterial growth. Filters can also filter out chlorine, making the water more susceptible to bacterial growth.

That's why Water Quality Professionals rely on Sani-System Liquid Sanitizer Concentrate. Specially designed to maintain the quality and performance of water softeners, Sani-System sets the standard for sanitizing.

● Sanitizes in just 60 seconds
● EPA and NSF Certified for use in water softeners

Shark Skin Jacket

- Easy to apply with a quick zip
- No need to remove valve or plumbing
- Insulates tank
- No more condensation
- No more puddles on floor
- Can be applied to most media tank sizes
- Order separately from equipment – Black Color Only

Item Number	Description
NJ-9	Shark Skin Jacket for 9 x 48 Tank
NJ-10	Shark Skin Jacket for 10 x 54 Tank
NJ-12	Shark Skin Jacket for 12 x 52 Tank
NJ-135	Shark Skin Jacket for 13 x 54 Tank

Item Number	Description
300MTR-KIT	300 Series Main Board & Motor Kit

Clearion
WATER TECHNOLOGIES

Field Test Kits

2401 Test Kit
Tests for Hardness, pH and Iron

K9510 Test Kit
Tests for H2S only

Spin Touch
City - ST-DW60-C
Well - ST-DW60-W

NSF.

Arsenic Test Kits
5 Tests - #481297-5
50 Tests - #481297-I

Clearion
WATER TECHNOLOGIES

Test Strips

Strips Available to Test the Following:

pH - Part Number 1974

Nitrate / Nitrite - Part Number 2996

Hydrogen Peroxide - Part Number 10254

Manganese - Part Number 481020

Total Hardness - Part Number U1021

Total & Free Chlorine - Part Number U1025

Complete Water Well Testing Kit

Watercheck with Pesticide Option

• Tests for coliform and e-coli bacteria

• Test for 22 heavy metals and minerals (including arsenic)

• Tests for 7 inorganic chemicals, 5 physical factors,
   4 trihalomethanes and 47 volation organic chemicals (VOC)

• Tests for 20 additional herbicides and pesticides

• Part Number - WC-9002

Watercheck with Pesticide Option
Analytes and Minimum Detectable Levels

Parameter	MDL (mg/l)	Parameter	MDL (mg/l)	Parameter	MDL (mg/l)
Bacteria		Organic Chemicals - Trihalomethanes			
Total Coliform and E.Coli	(Presence/Absence)	Bromodichloromethane	0.002	Dichlorodifluoromethane	0.002
Inorganic Chemicals - Metals		Bromoform	0.004	Dichloromethane	0.002
Aluminum	0.1	Chloroform	0.002	Ethylbenzene	0.001
Arsenic	0.005	Dibromochloromethane	0.004	Ethylenedibromide (EDB)	0.001
Barium	0.30	Total THMs	0.002	Methyl Ethyl Ketone	0.010
Cadmium	0.002	Organic Chemicals - Volatiles		Methyl tert-butyl ether	0.004
Calcium	2.0	1,1-Dichloroethene	0.001	Styrene	0.001
Chromium	0.010	1,1-Dichloroethane	0.002	Tetrachloroethene (PCE)	0.002
Copper	0.004	1,1-Dichloropropene	0.002	Tetrahydrofuran	0.010
Iron	0.020	1,2-Dichlorobenzene	0.001	Toluene	0.001
Lead	0.002	1,2-Dichloroethane	0.001	Trans-1,2-Dichloroethene	0.002
Lithium	0.001	1,2-Dichloropropane	0.002	Trans-1,3-Dichloropropene	0.002
Magnesium	0.10	1,3-Dichlorobenzene	0.001	Trichloroethene (TCE)	0.001
Manganese	0.004	1,3-Dichloropropane	0.002	Trichlorofluoromethane	0.002
Mercury	0.001	1,4-Dichlorobenzene	0.001	Vinyl Chloride	0.001
Nickel	0.02	1,1,1-Trichloroethane	0.001	Xylene	0.001
Potassium	1.0	1,1,2-Trichloroethane	0.002	Pesticides, Herbicides and PCBs (Add-on Option)	
Selenium	0.020	1,2,3-Trichlorobenzene	0.002	2,4-D	0.010
Silica	0.1	1,2,3-Trichloropropane	0.002	Alachlor	0.001
Silver	0.002	1,2,4-Trichlorobenzene	0.002	Aldrin	0.002
Sodium	0.1	1,1,1,2-Tetrachloroethane	0.002	Atrazine	0.002
Strontium	0.001	1,1,2,2-Tetrachloroethane	0.002	Chlordane	0.001
Uranium	0.001	2-Chlorotoluene	0.001	Dichloran	0.002
Zinc	0.004	2,2-Dichloropropane	0.002	Dieldrin	0.001
Inorganic Chemicals and Physical Factors		4-Chlorotoluene	0.001	Endrin	0.0001
Alkalinity (Total as CaCO3)	20	Acetone	0.010	Heptachlor	0.0004
Bromide	0.5	Benzene	0.001	Heptachlor Epoxide	0.0001
Chloride	5.0	Bromobenzene	0.002	Hexachlorobenzene	0.0005
Fluoride	0.5	Bromomethane	0.002	Hexachlorocyclopentadiene	0.001
Hardness	10	Carbon Tetrachloride	0.001	Lindane	0.0002
Nitrate as N	0.5	Chlorobenzene	0.001	Methoxychlor	0.002
Nitrite as N	0.5	Chloroethane	0.002	PCBs	0.0005
Orthophosphate	2.0	Chloromethane	0.002	Pentachloronitrobenzene	0.002
pH (Standard Units)	-	Cis-1,2-Dichloroethene	0.002	Silvex (2,4,5-TP)	0.005
Sulfate	5.0	Cis-1,3-Dichloropropene	0.002	Simazine	0.002
Total Dissolved Solids	20	Dibromochloropropane (DBCP)	0.001	Toxaphene	0.001
Turbidity (Turbidity Units)	0.1	Dibromomethane	0.002	Trifluralin	0.002

Note: The Watercheck and Watercheck with Pesticides test packages are intended to be used as informational screening packages and may not be used for regulatory compliance.

WATER TECHNOLOGIES

WATER TREATMENT EQUIPMENT

This warranty cannot be transferred - it is extended only to the original purchaser or first user of the product. by accepting and keeping this product, you agree to all of the warranty terms and limitations of liability described below.

Important Warning: Read carefully the Clearion Water Treatment Equipment Installation, Operating and Maintenance Instructions Manual to avoid serious personal injury and property HAZARDS and to ensure safe and proper care of this product.

Model Numbers Covered:
Water Softeners, Media Filters and Upflow Filters

*FOR AS LONG AS YOU OWN AND LIVE IN YOUR SINGLE FAMILY HOME, this warranty covers your water treatment equipment, if you are the first user of this Clearion water treatment equipment and purchased it for single family home use - subject to all of the conditions, limitations and exclusions listed below. Purchasers who buy the Clearion water treatment equipment for other purposes, and other component parts are subject to more limited warranties and you should read all of the terms included in this form to make sure you understand your warranty.

What is covered by this warranty?
Clearion warrants that at the time of manufacture, the water treatment equipment shall be free from defects in material and workmanship as follows :

Residential Mineral Tanks………..........….......…............... 10 years
Proprietary Control Valves …………….......................…..….7 years
Other Softener/Filter Control Valves ....…..…...........…..5 years
Brine Tank ……... 5 years
Residential Reverse Osmosis System..........……...…….….5 year
Other Accessories & Parts..............................….….........1 year
Brine Tank Components..................…............................. 1 year
REVERE Wireless Low Salt Alarm...................................90 days
* This warranty does not include media and/or cartridge filter elements.

Additional Terms & Conditions
What Clearion will do if you have a covered warranty claim
Clearion will at its option either make repairs to correct any defect in material or workmanship or supply and ship either new or used replacement parts or products. Clearion will not accept any claims for labor or other costs.

Additional Exclusions and Limitations
This warranty is non-transferable and does not cover any failure or problem unless it was caused solely by a defect in material or workmanship. In addition, this warranty shall not apply :
• If the water treatment equipment is not correctly installed, operated, repaired and maintained as described in the Installation, Operating & Maintenance Instructions Manual provided with the product.

• Defects caused as a direct result of the incoming water quality

• If the tank is not the size indicated for the supply line size of the installation, as described in the manual.

• If the unit has not always been operated within the factory calibrated temperature limits, and at a water pressure not exceeding 125 psi

• To any failure or malfunction resulting from abuse (including freezing), improper or negligent; handling, shipping (by anyone other than Clearion), storage, use, operation, accident; or alteration, lightning, flooding or other environmental conditions;

• To any failure or malfunction resulting from failure to keep the unit full of potable water, free to circulate at all times; and with the tank free of damaging water sediment or scale deposits;

• This warranty does not cover labor costs, shipping charges, service charges, delivery expenses, property damage, administrative fees or any costs incurred by the purchaser in removing or reinstalling the water treatment equipment.

• The warranty does not cover any claims submitted to Clearion more than 30 days after expiration of the applicable warranty, and does not apply unless prompt notice of any claim is given to an authorized Clearion Dealer or to Clearion or a designated contractor is provided access to the installation and to the water treatment equipment.

THESE WARRANTIES ARE GIVEN IN LIEU OF ALL OTHER EXPRESS WARRANTIES. NO CLEARION REPRESENTATIVE OR ANY OTHER PARTY IS AUTHORIZED TO MAKE ANY WARRANTY OTHER THAN THOSE EXPRESSLY CONTAINED IN THIS WARRANTY AGREEMENT.

Additional Warranty Limitations
ANY IMPLIED WARRANTIES THE PURCHASER MAY HAVE, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL NOT EXTEND BEYOND THE APPLICABLE TIME PERIODS SPECIFIED ABOVE. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

Limitations of Remedies
The remedies contained in this warranty are the purchaser's exclusive remedies. In no circumstances will Clearion or the seller of the product be liable for more than, and purchaser-user's remedies shall not exceed, the price paid for the product. In no case shall Clearion or seller be liable for any special, incidental, contingent or consequential damages. Special, incidental, contingent and consequential damages for which Clearion is not liable include, but are not limited to, inconvenience, loss or damage to property, consequential mold damage, loss of profits, loss of savings or revenue, loss of use of the products or any associated equipment, facilities, buildings or services, downtime, and the claims of third parties including customers. Some states do not allow the exclusion or the limitation of incidental or consequential damages, so the above limitations or exclusion may not apply to you.

What to do if you have a problem covered by this warranty
Any warranty coverage must be authorized by Clearion. Contact the person from whom you purchased the product, who must receive authorization from a Clearion Dealer .

If your product is new and not used and you wish to return it, contact your Clearion Dealer.