

Residential Product Catalog
2024 Edition



WaterSoft remains dedicated to the same enthusiasm and commitment to innovation that made them successful in the 1980's. With the always evolving line of Isobar control valves, the industry-leading Centuri & Sidewindr iron filters, and many new products on the horizon, WaterSoft remains focused on providing clean, safe water for your residential and commercial needs.

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| General Specifications | CD24-I3 | CD32-I3 | CD48-I3 |
|---|--------------|------------|-------------|
| Grains Capacity / Lbs Salt Used* per regeneration | 20,000 / 7.5 | 27,000 / 9 | 40,000 / 15 |
| Maximum Raw Water Hardness (grains) | 50 | 75 | 100 |
| Maximum Clear Iron / Manganese (ppm) | 3 | 5 | 5 |
| Exchange Resin (cu ft) | .75 | 1.0 | 1.5 |
| Mineral Tank (polyglass) | 9 x 35 | 9 x 35 | 12 x 35 |
| Service Flow Rate** (gpm) | 10.0 | 11.0 | 11.0 |
| Backwash Flow Rate (gpm) | 2.0 | 2.0 | 2.4 |
| Gallons Used / Regeneration | 86 | 88 | 90 |
| Space Required | 23x14x 45 | 23x14x45 | 23x14x45 |
| Approximate Shipping Weight (lbs) | 88 | 100 | 133 |



System Features

- Eliminates Hardness (Calcium & Magnesium)
- Isobar III Control Valve
- Legacy View Bluetooth enabled control valve for advanced diagnostics and simplified set up
- Slide Cover design for easy access
- Simple 9 volt battery back-up keeps electronic meter active and will motor control valve to shut off position 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
- High flow brine safety float assembly overflow fitting, and brine well

* Factory Salt Setting: 9 lbs / cu. ft.

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

| General Specifications | DS24-3 DS24V-3 | DS32-3 DS32V-3 | DS48-3 DS48V-3 | DS64-3 DS64V-3 | DS96V-3 |
|---|-------------------|-------------------|-------------------|-------------------|-------------|
| Grains Capacity - Regeneration / Lbs Salt Used* | 20,000 / 7.5 | 27,000 / 9 | 40,000 / 15 | 54,000 / 18 | 81,000 / 27 |
| 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 Tank Size | 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 | 18 x 40 | 18 x 40 |
| Service Flow Rate** (gpm) | 8.0 | 10.0 | 11.0 | 12.0 | 14.0 |
| Backwash Flow Rate (gpm) | 1.5 | 2.0 | 2.4 | 3.5 | |
| 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 |
| Gallons Used / Regeneration | 79 | 90 | 101 | 140 | |
| Space Required (D x W x H) | 16x26x 53 | 16x27x 56 | 16x28x62 | 18x30x60 | 18x32x74 |
| Approximate Shipping Weight (lbs) | 88 | 100 | 133 | 164 | 285 |



System Features



- Eliminates Hardness (Calcium & Magnesium)
- Reduces Iron / Manganese stains and taste
- Isobar III 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
- Optional 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

*96 Series only available in Vortech Units

**Factory Salt Settings are 9 lbs / cu ft

***The pressure drop does not exceed 15 psi at the service flow rate.

| General Specifications | HD33-3 | HD51-3 | HD68-3 |
|---|--------------|--------------|--------------|
| Grains Capacity - Regeneration / Lbs Salt Used ** | 35,000 / 15 | 52,000 / 24 | 70,000 / 30 |
| Maximum Raw Water Hardness (grains) | 75 | 100 | 100 |
| Maximum Clear Iron / Manganese | 5 | 10 | 10 |
| Exchange Resin (cu ft per tank) | 1.0 | 1.5 | 2.0 |
| Mineral Tank Size | 9 x 48 | 10 x 54 | 12 x 52 |
| Brine Tank (polyethylene w grid & safety) | 16 x 33 | 16 x 33 | 18 x 33 |
| Gravel (in lbs) | 20 | 20 | 30 |
| Service Flow Rate* (gpm) | 10.0 | 11.0 | 12.0 |
| Backwash Flow Rate (gpm) | 1.5 | 2.0 | 2.4 |
| Gallons Used / Regeneration | 72 | 83 | 95 |
| Space Required (D x W x H) | 16 x 27 x 56 | 16 x 28 x 62 | 18 x 30 x 60 |
| Approximate Shipping Weight (lbs) | 130 | 163 | 204 |



System Features



- Eliminates Hardness (Calcium & Magnesium)
- High Quality Fine Mesh for increased Iron / Manganese Reduction
- Isobar III 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

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

**Factory Salt Settings are 9 lbs / cu ft

| General Specifications | DSC32-3 | DSC48-3 |
|--------------------------------------|--------------|--------------|
| Softening Capacity / lbs salt used** | 27,000 / 9 | 40,000 / 15 |
| Exchange Resin (cu. ft. per tank) | 1.0 | 1.5 |
| Catalytic Carbon Media | .5 cu. ft. | 1 cu. ft. |
| Maximum Raw Water Hardness (gpg) | 75 | 100 |
| Maximum Raw Water Iron (ppm) | 5 | 5 |
| Service Flow Rate* (gpm) | 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 / Regeneration | 81 | 105 |
| Space Required | 16 x 28 x 62 | 16 x 31 x 73 |
| Approximate Shipping Weight (lbs) | 130 | 240 |

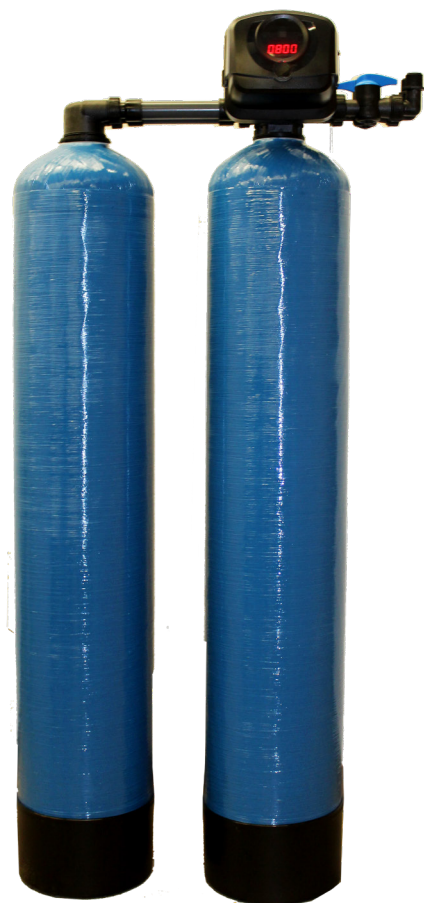
System Features

- Eliminates Hardness (Calcium & Magnesium)
- Reduces Chlorine & Chloramine taste and odor
- Isobar III 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 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 plate and brine well

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

**Factory Salt Settings are 9 lbs / cu ft

| General Specifications | IT48-TW IT48V-TW | IT64-TW IT64V-TW | IT96-TW IT96V-TW | IT128-TW IT128V-TW |
|--|---------------------|---------------------|---------------------|-----------------------|
| Grains Capacity / Lbs Salt Used per regeneration | 20,000/7.5 | 27,000/9.0 | 40,000/15.0 | 54,000 / 18.0 |
| Maximum Raw Water Hardness (grains) | 50 | 75 | 100 | 100 |
| Maximum Clear Iron / Manganese (ppm) | 3 | 5 | 5 | 5 |
| Exchange Resin (cu. ft. per tank) | .75 | 1.0 | 1.5 | 2.0 |
| Mineral Tanks (polyglass) | (2) 8 x 44 | (2) 9 x 48 | (2) 10 x 54 | (2) 12 x 52 |
| 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) | 8.0 | 10.0 | 11.0 | 12.0 |
| 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 |
| Gallons Used / Regeneration Vortech (V) Units | 69 | 78 | 90 | 117 |
| Space Required | 16 x 34 x 52 | 16 x 34 x 56 | 16 x 36 x 62 | 16 x 40 x 60 |
| Approximate Shipping Weight (lbs) | 139 | 169 | 237 | 299 |



System Features

- 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
- Optional double backwash feature offers optimum regeneration, cleaning ability, and efficiency
- Treated water refill with pre-brine option
- Downflow regeneration
- 12 VDC operation
- Proprietary two valve bypass with 1" MNPT Connections
- 5 cycles, all fully adjustable
- Programming ease and options increase efficiency, save salt and water
- Strong, durable Noryl valve body, weather insect resistant one-piece, slide.
- Immediate initiated regeneration
- 24 hour / day soft water

| General Specifications | DSF32LFMD-3 | DSF48LFMD-3 |
|--------------------------------------|--------------|--------------|
| Softening Capacity / lbs salt used** | 27,000 / 9 | 40,000 / 15 |
| Exchange Resin (cu. ft. per tank) | 1.0 | 1.5 |
| Filter Media Capacity | 1 cu. ft. | 1.5 cu. ft. |
| Softening Capacity | 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 / Regeneration | 145 | 185 |
| Mineral Tank Size | 10 x 65 | 13 x 54 |
| Space Required (D x W x H) | 16 x 28 x 73 | 16 x 31 x 73 |
| Approximate Shipping Weight (lbs) | 126 | 182 |



System Features



- Perfect for Filtering and Softening in ONE System
- Isobar III 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™ 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

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

**Factory Salt Settings are 9 lbs / cu ft

| General Specifications | DST32-3 | DST48-3 | DST64-3 |
|--|--------------|--------------|--------------|
| 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) | .75 | 1.0 | 1.5 |
| Tannin Resin (cu ft) | .25 | .50 | .50 |
| Mineral Tank Size | 9 x 48 | 10 x 54 | 12 x 52 |
| Brine Tank (polyethylene with grid & safety) | 16 x 33 | 16 x 33 | 18 x 40 |
| 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 (D x W x H) | 16 x 27 x 56 | 16 x 28 x 62 | 16 x 30 x 60 |
| Approximate Shipping Weight (lbs) | 100 | 133 | 164 |

System Features



- Eliminates Hardness (Calcium & Magnesium)
- Reduces Tannin stains, taste & odor
- Isobar III 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 Distributor Plate
- 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

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

**Factory Salt Setting; 15lbs./cuft.

| General Specifications | DN10-3 | DN15-3 |
|--|--------------|--------------|
| 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 Size | 10 x 54 | 13 x 54 |
| Brine Tank (polyethylene with grid & safety) | 16 x 33 | 18 x 40 |
| Service Flow Rate (gpm)* | 5.0 | 8.0 |
| Backwash Flow Rate ((gpm) | 1.2 | 2.4 |
| Gallons Used / Regeneration | 60 | 80 |
| Space Required (D x W x H) | 16 x 28 x 62 | 16 x 31 x 62 |
| Approximate Shipping Weight (lbs) | 133 | 251 |

System Features



- Reduces Nitrates (EPA MCL – 10.0 mg/l)
- Reduces Sulfates (EPA SMCL– 250 mg/l)
- Reduces Fluoride (EPA MCL– 4.0 mg/l)
- Isobar III 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 Distributor Plate
- 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

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

| General Specifications | CF10-3 | CF13-3 |
|--|--------------|--------------|
| 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 (D x W x H) | 10 x 10 x 62 | 13 x 13 x 62 |
| Approximate Shipping Weight (lbs) | 145 | 221 |

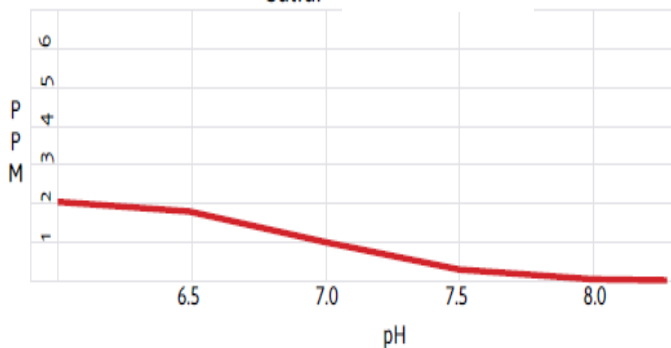


System Features

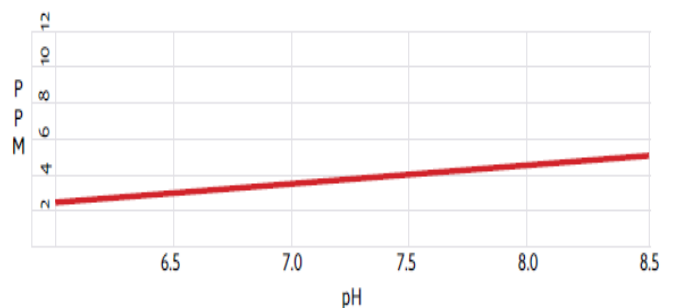


- Proprietary Isobar III control valve with independently programmable air draw & backwash cycles saving THOUSANDS of gallons of water per year
- Legacy View Bluetooth enabled control valve for advanced diagnostics and simplified setup
- Includes meter to provide water usage history
- Simplicity of a 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
- 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 -



| General Specifications | CF10S-3 | CF13S-3 |
|--|------------------|--------------|
| Filter Media Type | CATALYTIC CARBON | |
| Filter Media Capacity (cu ft) | 1.5 | 2.5 |
| KDF Cubes | 1.5 lbs | 2.5 lbs |
| Mineral Tank Size | 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) | 10 x 10 x 62 | 13 x 13 x 62 |
| Approximate Shipping Weight (lbs) | 145 | 221 |

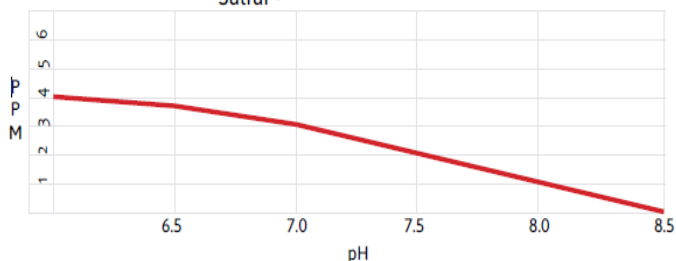


System Features

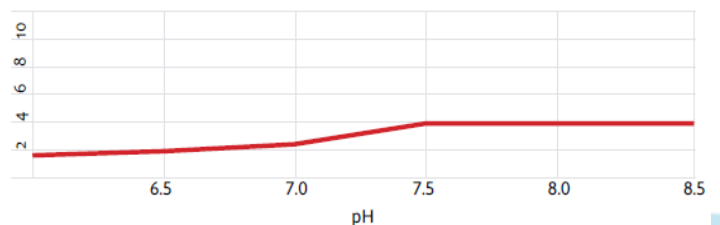


- Proprietary Isobar III control valve with independently programmable air draw & backwash cycles saving THOUSANDS of gallons of water per year
- Legacy View Bluetooth enabled control valve for advanced diagnostics and simplified setup
- Includes meter to provide water usage history
- Simplicity of a 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.
- 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 -



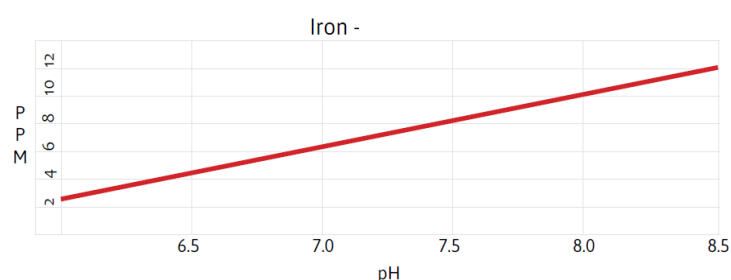
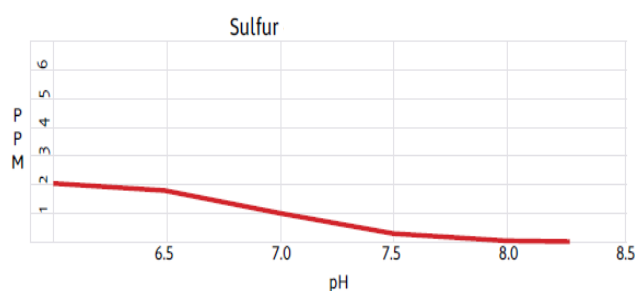
| General Specifications | SW10 | SW13 |
|--|--------------|--------------|
| Smart Blend Media Capacity (cu ft) | 1.5 cu. ft. | 2.5 cu. ft. |
| Mineral Tank Size | 10 x 54 | 13 x 54 |
| Service Flow Rate - Continuous (gpm) | 5 | 8 |
| Service Flow Rate - Intermittent (gpm) | 7 | 10 |
| Backwash Flow Rate (gpm) | 5.0 | 7.0 |
| Gallons Used / Backwash | 106 | 146 |
| Space Required (D x W x H) | 10 x 21 x 61 | 13 x 24 x 61 |
| Approximate Shipping Weight | 160 | 236 |

System Features



Ozone Complete Option Available

- 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
- Proprietary Isobar III 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
- 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
- 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



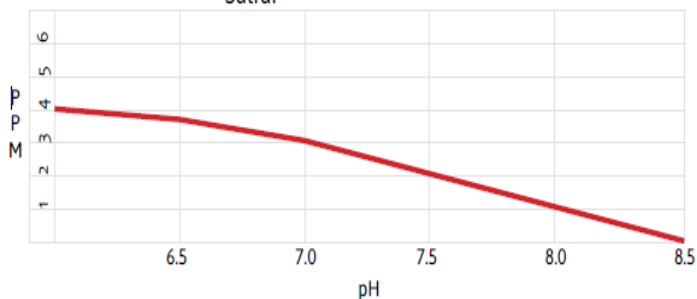
| General Specifications | SW10S | SW13S |
|---|--------------|--------------|
| Catalytic Carbon Media Capacity (cu. ft.) | 1.5 cu. ft. | 2.5 cu. ft. |
| KDF Cubes | 1.5 lbs | 2.5 lbs |
| Mineral Tank Size | 10 X 54 | 13 X 54 |
| Service Flow Rate - Continuous (gpm) | 5 | 8 |
| Service Flow Rate - Intermittent (gpm) | 7 | 10 |
| Backwash Flow Rate (gpm) | 5.0 | 7.0 |
| Gallons Used / Backwash | 106 | 146 |
| Space Required (D x W x H) | 10 x 21 x 61 | 13 x 24 x 61 |
| Approximate Shipping Weight | 160 | 236 |

System Features

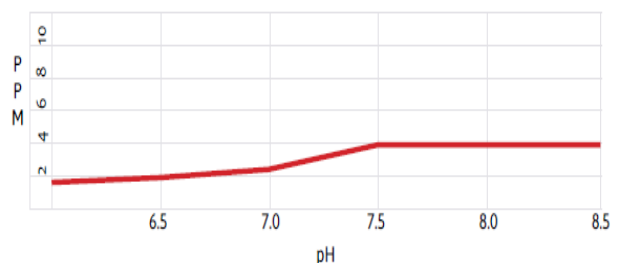


- Air is injected into the top of the tank converting ferrous iron to ferric iron after untreated water has passed through the control valve preventing the control valve from fouling with iron
- Isobar III Control Valve
- Legacy View Bluetooth enabled control valve for advanced diagnostics and simplified 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
- 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
- Catalytic Carbon & KDF cubes for Sulfur Reduction
- Top cap fill opening for ease of service
- Compatible with any type of well pump system

Sulfur



Iron



| General Specifications | AF10-3 | AF12-3 | AF13-3 | AF14-3 |
|--|--------------|--------------|--------------|--------------|
| Filter Media Type | SmartBlend™ | | | |
| Filter Media Capacity (cu ft) | 1.5 | 2.0 | 2.5 | 3.0 |
| Provectr® Tank Size | 10 x 54 | 10 x 54 | 10 x 54 | 16 x 40 |
| Mineral Tank Size | 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 | 7.0 |
| Gallons Used / Backwash | 100 | 120 | 140 | 140 |
| Space Required (D x W x H) per tank | 10 x 10 x 62 | 10 x 12 x 62 | 10 x 13 x 62 | 16 x 16 x 73 |
| Approximate Shipping Weight (lbs) | 165 | 236 | 270 | 311 |



System Features



- Isobar III 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
- Vortech™ distributor plate

| General Specifications | AF10AC-3 | AF12AC-3 | AF13AC-3 | AF14AC-3 |
|--|--------------|--------------|--------------|--------------|
| Filter Media Type | SmartBlend™ | | | |
| Filter Media Capacity (cu ft) | 1.5 | 2.0 | 2.5 | 3.0 |
| Provectr® Tank Size | 10 x 54 | 10 x 54 | 10 x 54 | 16 x 40 |
| Mineral Tank Size | 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 | 7.0 |
| Gallons Used / Backwash | 100 | 120 | 140 | 140 |
| Space Required (D x W x H) per 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 |

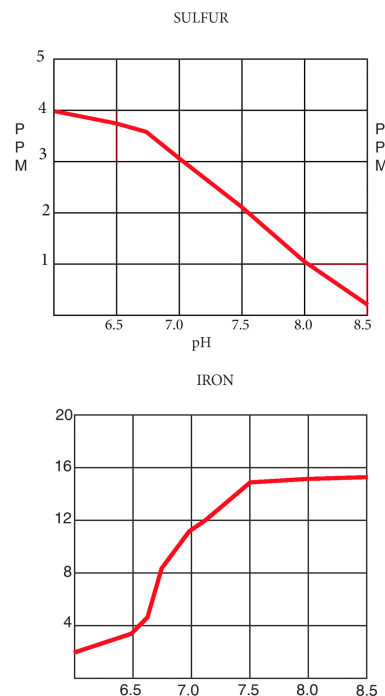


System Features



- Isobar III 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
- Vortech™ distributor plate

| Manganese Removal | |
|---|-------------------------------|
| PROVECTR® capability to remove Manganese from water is critically dependent on the Iron and pH levels as shown below: | |
| If the Iron to Manganese ration is: | Then the pH must be at least: |
| 10:1 | 7.0 |
| 5:1 | 7.8 |
| 1:1 | 8.3 |
| 0:1 | 8.5 |



System Features

- Automatically cleans the entire **PROVECTR®** 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 **PROVECTR®** 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

OXYCLEAN™ Option



| General Specifications | G9LFM-3 | G10LFM-3 | G12LFM-3 | G13LFM-3 | G14LFM-3 |
|--|-------------------|--------------|--------------|--------------|--------------|
| Filter Media Type | Less Filter Media | | | | |
| Filter Media Capacity (cu ft) | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 |
| Mineral Tank Size | 9 x 48 | 10 x 54 | 12 x 52 | 13 x 54 | 13 x 65 |
| Service Flow Rate - Continuous (gpm) | 4 | 5 | 6 | 8 | 9 |
| Service Flow Rate - Intermittent (gpm) | 6 | 7 | 8 | 10 | 11 |
| Backwash Flow Rate (gpm) | 5.0 | 5.0 | 6.0 | 7.0 | 7.0 |
| Gallons Used / Backwash | 100 | 100 | 120 | 140 | 140 |
| Space Required (D x W x H) | 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 |



System Features



- Isobar III 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
- Vortech™ distributor plate
- 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 | GA9-3* | GA12-3* | GA14-3* |
|---|------------|--------------|--------------|
| 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 |
| Maximum Service Flow Rate | 5.0 | 8.0 | 11.0 |
| Backwash Flow Rate (gpm) | 2.0 | 4.0 | 5.0 |
| Gallons Used / Backwash | 30 | 60 | 75 |
| Mineral Tank Size | 9 x 48 | 12 x 52 | 13 x 65 |
| Space Required (D X W X H) | 9 x 9 x 56 | 12 x 12 x 60 | 13 x 13 x 74 |
| Approximate Shipping Weight (lbs) | 80 | 140 | 185 |



System Features



- Isobar III 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
- Vortech™ distributor plate

*Please contact the factory for pre-treatment requirements and estimated media capacities per project basis

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 Gradient / Double Pleated Polyester | Dual Gradient / Double Pleated Polyester |



Carbon Block Filters



Poly Wound / Melt Blown



Pleated

System 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
- Part Number MF-40





PIONEER™ Lead, PFOA/PFOS & Cyst POE Water Filtration System PF-40

| General Specifications | CT-05-CB-AMYCL |
|---|---|
| Micron Rating | 0.5 |
| 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 |

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 lead, it also removes or reduces chlorine, chloramine and other harmful contaminants in your water, including >99.95% of Cysts. This system has been tested and third-party certified as required in the NSF/ANSI P473 standard for PFOA/PFOS, along with NSF/ANSI 53 standard for the reduction of lead and cyst.

PIONEER™

EASY TO UNDERSTAND LED REPLACEMENT NOTIFICATIONS
The Real-time Dynamic LED System monitors water and flow rate and provides a visual color-coded notification



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.

| General Specifications | FTP6 | FTP8 | FTP10 |
|-----------------------------------|--------------|--------------|--------------|
| De-scale Media | 4 Liters | 5 Liters | 7 Liters |
| Catalytic Carbon | 1 Cu. Ft. | 1 Cu. Ft. | 1 Cu. Ft. |
| Service GPM | 6 | 8 | 10 |
| Max Iron | 0.5 ppm | 0.5 ppm | 0.5 ppm |
| Space Required (D x W x H) | 10 x 10 x 64 | 10 x 10 x 64 | 10 x 10 x 64 |
| Approximate Shipping Weight (lbs) | 60 | 62 | 64 |



System Features

- De-scale media prevents scale build-up by crystallizing calcium & magnesium (hardness)
- Internal KDF 55 chamber filter / removal of chlorine
- Catalytic carbon / removal of chloramines
- No backwash or drain line required
- Salt free
- Requires no regeneration
- Easy to install
- Electricity is not required
- No TDS is added
- No change in pH
- Upflow configuration to ensure proper fluidization of media
- Includes bypass and union connections that allow for easy servicing

| General Specifications | U9LFM | U10LFM | U12LFM | U13LFM |
|--|-------------------|--------------|--------------|--------------|
| Filter Media Type ¹ | Less Filter Media | | | |
| Filter Media Capacity (cu ft) | 1.0 | 1.5 | 2.0 | 2.5 |
| Mineral Tank Size | 9 x 48 | 10 x 54 | 12 x 52 | 13 x 54 |
| Service Flow Rate - Continuous (gpm) | 4 | 5 | 6 | 8 |
| Service Flow Rate - Intermittent (gpm) | 6 | 7 | 8 | 10 |
| Space Required (D x W x H) | 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 |



System Features

- Bypass with 1" MNPT Connections
- Vortech™ distributor plate
- 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 | 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 (D x W x H) | 8 x 14 x 56 |
| Approximate Shipping Weight (lbs) - Must Ship LTL | 46 |



System Features

- Filtration down to .02 micron - excellent for organic color, tannins, colloidal clay, virus, bacteria & cyst reduction
- Utilizes the Isobar 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 | SMD10 | SMD13 |
|--|--------------|--------------|
| Media Capacity (cu. ft.) | 1.5 cu. ft. | 2.5 cu. ft. |
| Mineral Tank Size | 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) | 10 X 21 X 61 | 13 X 24 X 61 |
| Approximate Shipping Weight | 65 | 105 |



System Features



- Isobar III 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



Filter Media Selection Guide

| 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, Adjusts pH, Iron (clear & red) Manganese (clear & red) Sulfur Particles | Centuri Provectr Sidewindr |
| 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 | G Series Upflow and Soft 'N' Filter |
| 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 | G Series Upflow and Soft 'N' Filter |
| 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 | G Series Upflow and Soft 'N' Filter |
| Coconut Shell Carbon CN75 CN10 | 22 30 | Black / High carbon-low ash content. Practical for ordinary taste, odor and chlorine loads. Will impart a high "polish" to the filtered water. | Taste/Odor/Chlorine | G Series Upflow and Soft 'N' Filter |
| 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 | G Series Upflow and Soft 'N' Filter |
| 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 | G Series Centuri / Provectr City Softener Sidewindr |
| Filter Ag® FA75 FA10 | 21 28 | Granular / Off-White / Wide application for removal of sediment / Life expectancy is unlimited | Sediment | G Series |
| Filter Ag Plus FP75 FP10 | 37 50 | Light tan to white, 5 micron filtration | Sediment | G Series |
| 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 | G Series Centuri Sidewindr Provectr Soft 'N' Filter |
| 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) | G Series |
| GT10 | 42 | Arsenic Media | Arsenic III and V | GA 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 |

| General Specifications | DS32VN-SQ-3 | G10LFMDN-SQ-3 | CF10LFMDN-SQ-S3 | AF10LFMDN-SQ-S3 |
|-----------------------------------|----------------|---------------|-----------------|-----------------|
| Softening Capacity | 32,000 grains | N/A | N/A | N/A |
| Media Type | Softener Resin | N/A | Smart Blend | Smart Blend |
| Media Capacity | 1.0 | 1.5 | 1.5 | 1.5 |
| PROVECTR Tank | N/A | N/A | N/A | 16 x 40 |
| Mineral Tank Size | 10 x 35 | 13 x 35 | 13 x 35 | 13 x 35 |
| Service Flow Rate | 8.0 | 5.0 | 5.0 | 5.0 |
| Backwash Rate | 2.0 | 7.0 | 7.0 | 7.0 |
| Space Required | 16 x 26 x 43 | 13 x 13 x 43 | 13 x 13 x 43 | 40 x 53 x 56 |
| Approximate Shipping Weight (lbs) | 78 | 140 | 146 | 140 |

Note: Caution should always be used in sizing filters! Always choose a unit by first 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 PROVECTR or PROVECTR PLUS system.



System Features

- Isobar III Control Valve
- Legacy View Bluetooth enabled control valve for advanced diagnostics and simplified setup
- 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
- Adjustable Cycle Times
- Proprietary two valve bypass with 1" MNPT Connections
- Weather / Insect Resistant One-Piece Slide Cover
- Filters come standard with dome hole and natural color
- All tanks feature Vortech distributor plate
- Standard brine tank size 16" X 33"



Legacy View now comes standard on all Isobar 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
- Monitor Brine Tank Salt Levels



System Features

- Simple set up through Bluetooth App
- 12 VDC operation
- 4 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

Optional Configurations

- Backwash filter
- Meter initiated regeneration
- Centuri & Sidewindr 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

| 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 |

Many wells, ponds and other untreated water sources may contain unwanted or harmful organisms supply tested drinkable one day, may become contaminated from underground seepage, surface water or groundwater 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 composition.

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 appropriate pretreatment equipment must 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 | 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 | None |
| Maximum Hydrogen Sulfide | None | None | None |
| Tannins | None | None | None |
| Replacement Components | TFC3 | TFC4 | TFC300 |
| Sediment / Carbon Pre-filter | 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-JG | N/A |



System 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.

WaterSoft has combined this fantastic reverse osmosis process with quality components to create a compact drinking water appliance that fits neatly under your sink.

Note 1: Measured at 65 psi, 77°F, 250 ppm TDS, discharging to atmosphere. Actual system production and contaminant 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



| 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 | Part 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 WaterSoft 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

| 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-13 | Shark Skin Jacket for 13 x 54 Tank |



Shark Skin Jacket Features

- 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 |
|-------------|---------------------------------|
| I3MTR-KIT | Isobar 2 Main Board & Motor Kit |

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



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



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 - WC-9002

- 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 volatile organic chemicals (VOC)
- Tests for 20 additional herbicides and pesticides
- Full scope of what this test covers available on next page

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 CaCO ₃) | 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.



Warranty

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 WATER SOFT WATER TREATMENT EQUIPMENT INSTALLATION, OPERATING AND MAINTENANCE INSTRUCTIONS MANUAL to avoid serious personal injury and property HAZARDS and to ensure safe use and proper care of this product.

MODEL NUMBERS COVERED

Water Softeners, Media Filters, UpFlow Filters, Provectrs, UV, RO, Filters, Chemical Feed

WHAT IS COVERED BY THIS WARRANTY

WATERSOFT LLC (“WATER SOFT”) warrants that at the time of manufacture, the water treatment equipment shall be free from defects in material and workmanship as follows:

| | |
|--------------------------------------|---------|
| Thermoplastic Mineral Tanks | 10 yrs. |
| Softener/Filter Control Valves | 7 yrs. |
| Twin Softener..... | 5 yrs. |
| Brine Tank Assemblies..... | 5 yrs. |
| Reverse Osmosis System..... | 5 yrs. |
| Other Accessories & Parts..... | 1 yr. |

* This warranty does not include media and/or cartridge filter elements.

ADDITIONAL TERMS & CONDITIONS

What WATERSOFT Will Do If You Have a Covered Warranty Claim

WATERSOFT 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. WATERSOFT 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 INSTRUCTION Manual provided with the Product;
- 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 150 psi.
- To any failure or malfunction resulting from abuse (including freezing), improper or negligent: handling, shipping (by anyone other than WATER SOFT), 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 WATERSOFT more than 30 days after expiration of the applicable warranty time period described in this Warranty, and does not apply unless prompt notice of any claim is given to an authorized WATERSOFT distributor or to WATERSOFT and WATERSOFT 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 WATERSOFT 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 limitation may not apply to you.

LIMITATIONS OF REMEDIES

THE REMEDIES CONTAINED IN THIS WARRANTY ARE THE PURCHASER'S EXCLUSIVE REMEDIES. IN NO CIRCUMSTANCES WILL WATERSOFT 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 WATERSOFT OR SELLER BE LIABLE FOR ANY SPECIAL, INCIDENTAL, CONTINGENT OR CONSEQUENTIAL DAMAGES. Special, incidental, contingent and consequential damages for which WATERSOFT 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 limitation 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 WATERSOFT. Contact the person from whom you purchased the Product, who must receive authorization from an WATERSOFT distributor or WATERSOFT. If you do not receive a prompt response, call WATERSOFT directly at 800-462-3790. Notice of a Warranty claim relating to replacement parts or products should be submitted by the authorized distributor to WATER SOFT at the following address:

WaterSoft, 710 Orange Street, Ashland, OH 44805

If your Product is new and not used and you wish to return it, contact your WATERSOFT distributor.

**IMPORTANT NOTICE**

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