

AquaBubble™

AquaBubble™ Product Line

R.E. Prescott Company

Water Treatment Catalog



Enter a World of Cleaner Water

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About R.E. Prescott Co., Inc.

Robert E. Prescott Jr. founded the R.E. Prescott Company in 1954. Since our humble beginnings, three generations of the Prescott family have been working to meet the needs of our loyal customers. When customers buy from the R.E. Prescott Company, they buy more than products — they buy solutions. We create unique and innovative solutions that satisfy the demands of an ever-changing water system, wastewater, and water treatment market. The steadfast service we provide, accompanied by an experienced understanding of successful applications, lend credibility to our distinguished REPCO product line. We back all of our REPCO manufactured and distributed products with design and applied engineering knowledge. Our trained and licensed professionals help customers find the right product, engineer the best solutions, and implement practical applications. The bottom line — When you buy from the R.E. Prescott Company, rest assured, "You bought the best."



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AquaBubble™ Valve



Inlet/Outlet Fittings: 3/4" to 1.5" NPT
 Cycles: up to 6
 Valve Material: Noryl (1) or equivalent
 Regeneration: AB1TC- downflow, AB1CS- downflow/upflow

FLOW RATES

Service @15 psi drop (includes bypass [and meter for AB1CS]): 27 gpm
 Backwash @ 25 psi drop (includes bypass): 27 gpm
 Cv Service: 7.0
 Cv Backwash: 5.4

OPERATING RESSURES

Minimum/Maximum: 20 psi – 125 psi

OPERATING TEMPERATURES

Minimum/Maximum: 40° – 110° F

DIMENSIONS & WEIGHT

Distributor Pilot: 1.050" OD Pipe (3/4" NPS)
 Drain Line: 3/4" or 1" NPT
 Brine Line: 3/8" or 1/2" OD Poly Tube
 Mounting Base: 2 1/2" - 8 NPSM
 Height From Top Of Tank: 7-3/8"
 Weight 4.5 lbs.

ELECTRICAL SPECIFICATIONS

AC ADAPTER

	U.S.	International
Supply Voltage	120V AC	230V AC
Supply Frequency	60 Hz	50 Hz
Output Voltage	12V AC	12V AC
Output Current	500 mA	500mA

TANK APPLICATIONS

Water Softener: 6" – 21" diameter
 Water Filter (2): 6" – 21" diameter

METER

Accuracy: ±5%
 Flow Rate Range: 0.25-27 GPM
 Gallon Range: 20-50,000 gallons
 Totalizer: 1,000-9,999,000 gallons

AB1CS Valve (5-Button)

AB1TC Valve (3-Button)

- Informative 4 digit LCD Display with Status Indicators
- Solid state microprocessor with easy access front panel settings
- Service flow rate of 27 gpm, backwash 27 gpm
- Backwash and brining ability to 21" diameter tanks
- Front panel display for time of day, days until next regeneration
- Days between regeneration feature: 1–99 days standard; 7-day optional
- Double backwash feature offers optimum regeneration, cleaning ability and efficiency
- 10 selectable pre-programmed regeneration cycles (AB1CS only)
- Coin Cell Lithium battery back-up with an 8 hour carry over
- Auto detection of 50/60 Hz line frequency, with automatic 12 or 24 hour time keeping format
- 12-volt output AC Adapter provides safe and easy installation
- Post treated water regenerant refill
- Patented one piece expanding seal spacer stack assembly U.S. Patent 6,402,944
- Patented linearly reciprocating piston operation U.S. Patent 6,444,127
- Patented quiet drain line flow control assembly U.S. Patent 6,776,901
- Reliable and proven DC drive

Bypass and Bypass Connections





Filter Media

Some of our most commonly used medias.
For other available medias or more information please contact us.

- **Dowex™**- DOWEX™ HCR-S cation exchange softener resin is a high capacity resin with excellent kinetics and good physical, chemical and thermal stability. DOWEX HCR-S cation exchange resin is well suited for residential and industrial water softening and demineralization in the co-current mode of regeneration.
- **Neutralite (A)**- One of the advantages of Neutralite is its self-limiting property. When properly applied, it corrects pH only enough to reach a non-corrosive equilibrium. It does not overcorrect under normal conditions.
- **Corosex™ Blend (AX)**- Raises pH to correct corrosive water conditions on pH levels of 6.0 or below. Corosex® is generally blended with Neutralite to achieve the desired pH level. Corosex™ high speed of correction allows for high flow, high capacity and less chemical usage.
- **MTM(MTM)**- MTM™ is a granular manganese dioxide filtering media used for reducing iron, manganese and hydrogen sulfide from drinking water. Its active surface coating oxidizes and precipitates soluble iron and manganese. Hydrogen sulfide is oxidized to sulfur. The precipitates are filtered out in the granular bed and removed by backwashing. Use with non-corrosive water.
- **Multi-Media (M)**- A multi-blend of 1/3 Birm, 1/3 Filter-Ag and 1/3 Neutralizer with 20% Corosex
- **Coconut Shell Carbon (CS)**- An outstanding material for applications requiring taste, odor and dissolved organic chemical removal from water with suspended matter present. This product can be used for filtering waters having a wide range of pH levels. Large surface area results in an exceptionally high capacity and efficiency. Balanced pore structure gives a more efficient adsorption range. Coconut Shell Carbon is very durable so losses due to attrition are kept to a minimum. It has a very high carbon-low ash content. Service rates of 5 gpm/sq. ft. are practical for ordinary taste, odor and chlorine loads. Carbon will impart a high "polish" to the filtered water
- **Filter-Ag® (S)** - Its fractured edges and irregular surface provides a high surface area and complex flow path for efficient removal of suspended matter throughout the filter bed, typically reducing suspended solids down to the 20-40 micron range. Filter-Ag's light weight means lower backwash rates and better bed expansion to release trapped sediment and rinse the filter media during the backwash cycle. The combination of particle shape, size and density make it a good choice where quality water filtration and water conservation are important.
- **Filter-Ag Plus® (S+)**- The rough surface and internal porosity provide a high surface area for efficient reduction of suspended matter. Utilizing deep bed filtration can typically reduce suspended solids down to the 5 micron or less range. Filter-Ag Plus' structure typically creates less pressure loss through the filter and allows deeper sediment penetration into the bed for higher sediment loading and longer filter runs. The longer filter run times reduce backwash frequency, which provides conservation of water.
- **Birm® (B)**- Reduces dissolved iron and manganese in raw water supplies with very high efficiency. Birm® possesses a long material life, a wide temperature range, and extremely high removal rates. Use with non-corrosive water. Hydrogen sulfide gas must be oxidized prior to contact with Birm®.

Iron Gate® System



The Iron Gate® Filter traps iron, manganese, and sulfur to eliminate staining and odors, murky water, sediment, and acid water.

Benefits of Iron Gate®:

- Removes hydrogen sulfide gas, rotten egg odor
- Filters iron and manganese, preventing reddish brown or black staining on bathroom and kitchen accessories.
- Correcting low pH will prevent corrosion of your water system and accessories.
- Filtering out turbidity problems will result in clearer, cleaner drinking water.
- Choice of filter medias save the expense of extra equipment by using a combination of minerals in one filter to remove many problems.

Standard Equipment Includes:

- Iron Gate® Aeration tank and AquaBubble™ Filter
- AB1TC Valve
- Bypass Valve (bypass connections sold separately, see page 3)
- Choice of filter media for application*
- Fiberglass Mineral Tanks
- Full 1" Internal Piping
- Automatic backwashing control valve, capable of being custom tailored to your specific application
- Auto Air Pump™, Auto Feed Pump™, or Micronizer
- Connecting Manifold with Meter and Meter Control
- Air-In connection
- Filtered and Unfiltered Sample Valves

Filter Dimensions:

Model	A	B	C	D
IG**-10***	56	9	48	50
IG**-15***	62	10	54	56
IG**-20***	60	12	52	54
IG**-25***	62	13	54	56

A= Overall height in inches

B= Tank diameter in inches

C= Tank height in inches

D= Inlet height in inches

(specify 0.75" or 1" Bypass, or 1.25" Yoke)

* May Require Application Engineering

**A (Auto Air Pump™), F (Auto Feed Pump™), M (Micronizer)

***Choose Media

Filter Specifications:

Model	Mineral Volume (Ft.3)	Peak Flow (GPM)	Backwash Rate (GPM)	Shipping Weight (Lbs)
IG**-10***	1	5.0	5.0	140
IG**-15***	1.5	7.0	5.0	185
IG**-20***	2	12.0	8.0	240
IG**-25***	2.5	15.0	10.0	275

Removal Process:

- The Iron Gate® Air Pump and Micronizer Filter Systems aerate the water increasing the dissolved oxygen (D.O.). This allows the media to catalyze the D.O. with hydrogen sulfide gas, iron and manganese compounds for filtration as well as correct pH and filter turbidity.
- The Iron Gate® Auto Feed Pump Filter System injects treatment material into the water.

Application Benefits:

- Auto Air Pump™ and Auto Feed Pump™ Systems are ideally suited for constant pressure or jet pump systems
- Standard Iron Gate® Systems are programmed on a 12-day timer, and are set to regenerate on the day and time of your choice.
- Filters down to 20 - 40 micron

Required Conditions:

- Depending on filter media selection, influent water must be non-corrosive
- For aeration units:
 - A pH of 8.5 or greater is required when manganese concentration is equal to iron concentration.
 - A pH of 7.8 is required when manganese concentration is 50% iron concentration.
 - A pH of 7.0 is required when manganese concentration is 10% iron concentration.
- Periodic backwashing is required



AP1 Air Pump



Auto Feed Pump™
(AXP004 LFHX)





AquaBubble™ 6AB Water Softener.

The AquaBubble™ 6AB Softener removes Hardness, Iron and Manganese

Benefits of Having Soft Water:

- Prevention of scale will result in longer lasting plumbing fixtures and appliances including your water heater and dishwasher, lasting up to 1/3 longer
- Water heater efficiency will increase by up to 29%
- Softer Hair and Skin
- Cleaner, brighter and longer lasting clothes
- Less soap scum buildup in the bathroom and kitchen

Standard Equipment Includes:

- WS1CS Control Valve
- Bypass Valve (Bypass connections sold separately, see page 3)
- High Capacity Ion Exchange Resin Media
- Fiberglass Mineral Tank
- Full 1" Internal Piping
- 18"x 33" Brine Tank
- Reliable automatic backwashing control valve, capable of being custom tailored to your specific application.
- All accessories for installing the 6AB unit and brine tank

Dimensions:

Model	A	B	C	D
6AB30-2M	55	9	48	50
6AB45-2M	61	10	54	56
6AB60-2M	59	12	52	54
6AB75-2M	62	13	54	56
6AB90-2M	72	14	65	67
6AB120-2M	72	16	65	67

A= Overall height in inches

B= Tank diameter in inches

C= Tank height in inches

D= Inlet height in inches

Specifications:

Model	Mineral Volume (Ft.3)	Peak Flow (GPM)	Backwash Rate (GPM)	Shipping Weight (Lbs)
6AB30-2M	1	7	2.0	90
6AB45-2M	1.5	9	2.4	120
6AB60-2M	2	14	3.5	160
6AB75-2M	2.5	14-18	4.0	190
6AB90-2M	3	14-25	4.0	210
6AB120-2M	4	14-25	5.0	260

Removal Process:

- A soft sodium or potassium ion is used to remove hard water ions of calcium and magnesium scale, as well as the staining ions of iron and manganese

Application Benefits:

- 5 ppm removal of iron and manganese (must be in solution)
- Metered units are set to regenerate upon water consumption which offers environmental and economical use of sodium or potassium

Required Conditions:

- Total iron and manganese must be less than 5 ppm
- Iron and manganese must be in solution (clear)
- 6AB softeners are not filters. If a filter is required, refer to one of many AquaBubble™ filters



AquaBubble™ Twin Tank Water Softener



The AquaBubble™ Twin Tank Softener removes Hardness, Iron, and Manganese.

Benefits of Having Soft Water

- The AquaBubble™ provides soft water 24 hours a day
- Prevention of scale will result in longer lasting plumbing fixtures and appliances including your water heater and dishwasher, lasting up to 1/3 longer
- Water heater efficiency will increase by up to 29%
- Softer Hair and Skin
- Cleaner, brighter and longer lasting clothes
- Less soap scum buildup in the bathroom and kitchen

Standard Equipment Includes

- WS1CS Control Valve
- Bypass Valve (Bypass connections sold separately, see page 3)
- High Capacity Ion Exchange Resin Media
- Fiberglass Mineral Tank
- Full 1" Internal Piping
- 18"x 33" Brine Tank
- Reliable automatic backwashing control valve, capable of being custom tailored to your specific application.
- All accessories for installing the 6AB unit and brine tank

Dimensions

Model	A	B	C	D
6AB30-2TT	56	9	48	50
6AB45-2TT	62	10	54	56
6AB60-2TT	60	12	52	54
6AB75-2TT	62	13	54	56
6AB90-2TT	73	14	65	67
6AB120-2TT	73	16	65	67

A= Overall height in inches

B= Tank diameter in inches

C= Tank height in inches

D= Inlet height in inches

Specifications

Model	Mineral Volume (Ft.3)	Peak Flow (GPM)	Backwash Rate (GPM)
6AB30-2TT	1	7	2.0
6AB45-2TT	1.5	9	2.4
6AB60-2TT	2	14	3.5
6AB75-2TT	2.5	14-18	4.0
6AB90-2TT	3	14-25	4.0
6AB120-2TT	4	14-25	5

Removal Process

- A soft sodium or potassium ion is used to remove hard water ions of calcium and magnesium scale, as well as the staining ions of iron and manganese

Application Benefits

- 5 ppm removal of iron and manganese (must be in solution)
- Metered units are set to regenerate upon water consumption which offers environmental and economical use of sodium or potassium
- Twin tank system allows for a 24 hour supply of treated water

Required Conditions

- Total iron and manganese must be less than 5 ppm
- Iron and manganese must be in solution (clear)
- AquaBubble™ softeners are not filters. If a filter is required, refer to one of many AquaBubble™ filters



Brine tank included (not pictured)



AquaBubble™ AB-A Acid Neutralizer

The AquaBubble™ ABA Acid Neutralizer raises pH and Alkalinity

Benefits of pH Balanced Water:

- Eliminates corrosion in the plumbing system, stopping fixture deterioration, pinhole leaks, and blue staining
- Clearer water at the tap
- Prevents costly repairs of plumbing fixtures as well as general maintenance, adding years to the life of your home

Standard Equipment Includes:

- WS1CS Control Valve
- Bypass Valve (Bypass connections sold separately, see page 3)
- Crushed and screened white marble limestone neutralizing media known as "Neutralite"
- Fiberglass Mineral Tank
- Full 1" Internal Piping
- Reliable automatic backwashing control valve, capable of being custom tailored to your specific application.

Removal Process:

- Acidic water slowly dissolves the Neutralite media to raise pH and increase alkalinity

Dimensions:

Model	Model	A	B	C	D
10AB-A	10AB-AX	55	9	48	50
15AB-A	15AB-AX	61	10	54	55
20AB-A	20AB-AX	59	12	52	54
25AB-A	25AB-AX	61	13	54	56

A= Overall height in inches

B= Tank diameter in inches

C= Tank height in inches

D= Inlet height in inches

Specifications:

Model	Model	Mineral Volume (Ft.3)	Peak Flow (GPM)	Backwash Rate (GPM)	Shipping Weight (Lbs)
10AB-A	10AB-AX	1	5.0	5.0	110
15AB-A	15AB-AX	1.5	7.0	5.0	160
20AB-A	20AB-AX	2	12.0	8.0	210
25AB-A	25AB-AX	2.5	15.0	10.0	260

Application Benefits:

- Neutralite increases alkalinity and raises low pH in the water to correct for acidic conditions
- There is no need for chemicals, eliminating regeneration – only periodic backwashing is required
- ABA units are programmed on a 12-day timer, and are set to regenerate on the day and time of your choice
- Filters down to 20 – 40 micron

Required Conditions:

- Works effectively on water having a pH range of 6.0 or greater
- For pH levels lower than 6.0, a blend of Corosex is added for improved performance, signified by an X model number
- The mineral will slowly dissolve and become depleted over time and will need to be replenished
- A slight increase in hardness will result when the ABA unit is operating correctly. If this is a problem, then an AquaBubble™ water softener should be considered



AquaBubble™ Up Flow



The AquaBubble™ Up Flow treatment systems include stainless steel bypass and do not require backwashing

Benefits of Up Flow Neutralizing:

- Eliminates the need for backwashing valve
- Economical way of raising pH
- Acidic water slowly dissolves the Neutralite media to raise pH and increase alkalinity

Benefits of Up Flow Carbon:

- Eliminates the need for backwashing valve
- Economical way of using carbon
- Organic compounds are removed primarily by absorption while residual disinfectants such as chlorine are removed by catalytic reduction, a process involving the attraction of negatively-charged contaminant ions to the positively-charged activated carbon

Standard Equipment Includes:

- In/Out Head P/N 1191
- Bypass Valve (Bypass connections sold separately, see page 3)
- Full 1" Internal Piping
- Fiberglass Mineral Tank
- Multiple filter medias available*

Required Conditions for Up Flow Neutralizing:

- Works effectively on water having a pH range of 6.0 or greater
- For pH levels lower than 6.0, a blend of Corosex is added for improved performance, signified by an X model number
- The mineral will slowly dissolve and become depleted over time and will need to be replenished
- A slight increase in hardness will result when the AB-UFA unit is operating correctly. If hardness is a problem, than an AquaBubble™ water softener should be considered
- For sediment, iron and manganese, pre-filtration is required

Required Conditions for Up Flow Carbon:

- Caution, when used where radon or radionuclides are present, carbon may be a radiation hazard*



Specifications:

Model #	AB-UF 10-**	AB-UF 15-**	AB-UF 20-**	AB-UF 25-**
Media	Selection per application (See Filter Media Page)			
Tank Size, In.	9x48	10x54	12x52	13x54
Overall Height, In.	52	58	56	58
Inlet Height, In.	50	56	54	56
Pipe Size In/Out	1" FNPT	1" FNPT	1" FNPT	1" FNPT
Peak Flow, GPM	5.0	7.0	12.0	15.0
Service Flow, GPM 3 Minute Contact Time	2.5	3.75	5.0	6.25
Shipping Weight, lbs.	105	155	205	255
Mineral Volume, Ft.3	1	1.5	2	2.5

* May require application engineering

**Carbon (C) or Acid Neutralizer (A) and other filter medias available



AquaBubble™ AB-MTM MTM Filter

The AquaBubble™ AB-MTM unit uses dissolved oxygen naturally present in your water to oxidize and filter hydrogen sulfide gas (odor), iron and manganese

Benefits of Having Iron Free Water:

- Filtering iron will prevent buildup in plumbing fixtures, piping, water heaters and all other appliances saving you money in the long run
- Filtering iron and manganese will prevent reddish brown or black staining in the bathroom and kitchen accessories
- No more rotten egg sulfur smell when running the shower or faucet

Standard Equipment Includes:

- WS1CS Control Valve
- Bypass Valve (Bypass connections sold separately, see page 3)
- A media called MTM is used for removing iron, manganese and hydrogen sulfide gas from your drinking water
- Fiberglass Mineral Tank
- Full 1" Internal Piping
- Reliable automatic backwashing control valve, capable of being custom tailored to your specific application.

Removal Process:

- The AquaBubble AB-MTM filter uses catalytic oxidation to filter hydrogen sulfide gas (odor), iron and manganese

Dimensions:

Model	A	B	C	D
10AB-MTM	55	9	48	50
15AB-MTM	61	10	54	56
20AB-MTM	59	12	52	54
25AB-MTM	61	13	54	56

A= Overall height in inches

B= Tank diameter in inches

C= Tank height in inches

D= Inlet height in inches

* May Require Application Engineering

Specifications:

Model	Mineral Volume (Ft.3)	Peak Flow (GPM)	Backwash Rate (GPM)	Shipping Weight (Lbs)
10AB-MTM	1	5.0	5.0	100
15AB-MTM	1.5	7.0	5.0	145
20AB-MTM	2	12.0	8.0	190
25AB-MTM	2.5	15.0	10.0	235

Application Benefits:

- MTM eliminates iron, manganese, and hydrogen sulfide gas
- Standard AB-MTM units are programmed on a 12-day timer, and are set to regenerate on the day and time of your choice
- Filters down to 20 – 40 micron

Required Conditions:

- Influent water must not be corrosive
- For corrosive conditions see AquaBubble™ AB-M Multi-Media models
- Influent water must have a D.O. content equal to at least 15% of the iron content with a pH of 6.8 or greater
- If dissolved oxygen is not present consider the use of aeration
- Applications for manganese up to 10% of the total iron, must have a pH greater than 7.0*
- A pH of 8.5 or greater is required for any manganese : iron ratio
- Periodic backwash is required, no regeneration needed



AquaBubble™ AB-M Multi-Media Filter



The AquaBubble™ ABM unit uses a multi-media blend to correct for Iron, Manganese, Low pH and Turbidity

Benefits of Problem Free Water:

- Filtering iron and manganese will prevent reddish brown or black staining in the bathroom and kitchen accessories
- Correcting low pH will prevent corrosion of your water system and accessories
- Filtering out turbidity problems will result in clearer, cleaner drinking water
- Multi-media filters save the expense of extra equipment by using a combination of minerals in one filter to remove these problems

Standard Equipment Includes:

- WS1CS Control Valve
- Bypass Valve (Bypass connections sold separately, see page 3)
- A mixed media composed of Neutralite, Birm, Corosex and Filter-Ag
- Full 1" Internal Piping
- Reliable automatic backwashing control valve, capable of being custom tailored to your specific application

Removal Process:

- The AquaBubble ABM filter media is a catalyst to enhance the reaction between dissolved oxygen (D.O.) and the iron and manganese compounds for filtration as well as correct pH and filter turbidity

Dimensions:

Model	A	B	C	D
10AB-M	55	9	48	50
15AB-M	61	10	54	56
20AB-M	59	12	52	54
25AB-M	61	13	54	56

A= Overall height in inches

B= Tank diameter in inches

C= Tank height in inches

D= Inlet height in inches

* May Require Application Engineering

Specifications:

Model	Mineral Volume (Ft.3)	Peak Flow (GPM)	Backwash Rate (GPM)	Shipping Weight (Lbs)
10AB-M	1	5.0	5.0	85
15AB-M	1.5	7.0	5.0	110
20AB-M	2	12.0	8.0	135
25AB-M	2.5	15.0	10.0	160

Application Benefits:

- Raises pH, filters iron and manganese as well as corrects for turbidity problems
- No need for caustic chemical regeneration
- Standard ABM units are programmed on a 12-day timer, and are set to regenerate on the day and time of your choice
- Filters down to 20 – 40 micron

Required Conditions:

- Influent water must contain no hydrogen sulfide gas
- See AquaBubble model ABG for water containing hydrogen sulfide gas
- Influent water must have a D.O. content equal to at least 15% of the iron content with a pH of 6.0 or greater
- If dissolved oxygen is not present consider the use of aeration
- Applications for manganese up to 10% of the total iron, must have a pH greater than 7.0*
- Applications for Manganese alone must have a pH of 8.5 or greater
- Periodic backwash is required, no regeneration needed





AquaBubble™ ABI-FA Iron Filter

The AquaBubble™ ABI-FA unit oxidizes and filters hydrogen sulfide gas (odor), iron and manganese

Benefits of Iron / Odor Free Water:

- Filtering iron will prevent buildup in plumbing fixtures, piping, water heaters and all other appliances saving you money in the long run
- Filtering iron and manganese will prevent reddish brown or black staining in the bathroom and kitchen accessories
- No more rotten egg sulfur smell when running the shower or faucet

Standard Equipment Includes:

- A media called MTM media is used for removing soluble iron, manganese and hydrogen sulfide gas from well water
- Fiberglass Mineral Tank
- Full 1" Internal Piping
- 10"x16" blue pot perm tank
- Twin motor automatic backwashing control valve, capable of being custom tailored to your specific application
- All accessories for installing the TIFA unit and pot perm tank
- Bypass valve and connections sold separately (see page 4)

Removal Process:

- The TIFA filter oxidizes and filters hydrogen sulfide gas (odor), iron and manganese by using a potassium permanganate solution to regenerate the MTM media with oxygen

Application Benefits:

- MTM media eliminates iron, manganese, and hydrogen sulfide gas
- Standard TIFA units are programmed on a 12-day timer, and are set to regenerate on the day and time of your choice
- Filters down to 20 – 40 micron

Required Conditions:

- Influent water must not be corrosive
- For corrosive conditions, see Entipur TA models
- Cubic foot capacities at 1ppm:
 - Iron alone 10,000 gallons
 - Iron and Manganese 7,000 gallons
 - Hydrogen Sulfide Gas 3,000 gallons
- Batch regenerate before total exhaustion with 2-4 oz. of Pot Perm per cubic foot of media

Dimensions:

Model	A	B	C	D
10ABI-FA	55	9	45	50
15ABI-FA	61	10	54	56
20ABI-FA	59	12	52	54
25ABI-FA	61	13	54	56

A= Overall height in inches

B= Tank diameter in inches

C= Tank height in inches

D= Inlet height in inches (specify 0.75" or 1" Bypass, or 1.25" Yoke)

Specifications:

Model	Mineral Volume (Ft.3)	Peak Flow (GPM)	Backwash Rate (GPM)	Shipping Weight (Lbs)
10ABI-FA	1	5.0	5.0	110
15ABI-FA	1.5	7.0	5.0	160
20ABI-FA	2	12.0	8.0	210
25ABI-FA	2.5	15.0	10.0	260



AquaBubble™ AB-CS Coconut Shell Carbon



The AquaBubble™ AB-CS Coconut Shell Carbon Removes Bad Taste, Chlorine, Chloramine, Odor and V.O.C.'s

Benefits of Carbon Filtration:

- Carbon filtration effectively reduces the objectionable taste and odors of chlorine while adding nothing to your water
- Effective removal of volatile organic compounds (VOC's), including methane, industrial solvents, petroleum and MTBE
- Coconut shell carbon is considered a renewable resource and is far more environmentally friendly compared to Bituminous Coal carbon which is not a renewable resource
- CO₂ produced by the manufacturing process is removed by the coconut trees making it environmentally sustainable

Standard Equipment Includes:

- WS1CS Control Valve
- Bypass Valve (Bypass connections sold separately, see page 3)
- High performance Coconut Shell activated carbon media
- Other Carbon options available*
- Fiberglass Mineral Tank
- Full 1" Internal Piping
- Reliable automatic backwashing control valve, capable of being custom tailored to your specific application.

Dimensions:

Model	A	B	C	D
10AB-CS	55	9	48	50
15AB-CS	61	10	54	56
20AB-CS	59	12	52	54
25AB-CS	61	13	54	56

A= Overall height in inches

B= Tank diameter in inches

C= Tank height in inches

D= Inlet height in inches

* May Require Application Engineering

Specifications:

Model	Mineral Volume (Ft.3)	Peak Flow (GPM)	Backwash Rate (GPM)	Shipping Weight (Lbs)
10AB-CS	1	5.0	5.0	90
15AB-CS	1.5	7.0	5.0	120
20AB-CS	2	12.0	8.0	160
25AB-CS	2.5	15.0	10.0	200

Removal Process:

- Organic compounds are removed primarily by absorption while residual disinfectants such as chlorine are removed by catalytic reduction, a process involving the attraction of negatively-charged contaminant ions to the positively-charged activated carbon*

Application Benefits:

- Well suited for chlorine removal treatment in public water supplies.
- Standard ABC units are programmed on a 12-day timer, and are set to regenerate on the day and time of your choice
- Metered ABC units are set to regenerate upon water consumption which offers environmental and economic use of the bed life and backwash water
- Filters down to 20 – 40 micron

Required Conditions:

- Backwash at 10 GPM per ft2
- Caution, when used where radon or radio nuclides are present, carbon may be a radiation hazard*





AquaBubble™ AB-S Sediment Filter

The AquaBubble™ ABS unit uses special filtering media to curb sediment

Benefits of Sediment Free Water:

- Free pipes and plumbing fixtures from clogging and buildup
- Less filter cartridges to change, saving you money in the long run
- Longer life of all water using appliances and fixtures

Standard Equipment Includes:

- WS1CS Control Valve
- Bypass Valve (Bypass connections sold separately, see page 3)
- A light grey media called Filter-Ag or Filter-Ag Plus are used for filtering sediment from your water
- Fiberglass Mineral Tank
- Full 1" Internal Piping
- Reliable automatic backwashing control valve, capable of being custom tailored to your specific application

Removal Process:

- The AquaBubble ABS Filter-Ag and ABSP Filter-Ag Plus filter media granules have irregular surface characteristics affording maximum removal of suspended matter throughout the filter media bed

Dimensions:

Model	A	B	C	D
10AB-S/10ABSP	55	9	48	50
15AB-S/15AB-SP	61	10	54	56
20AB-S/20AB-SP	59	12	52	54
25AB-S/25AB-SP	61	13	54	56

A= Overall height in inches

B= Tank diameter in inches

C= Tank height in inches

D= Inlet height in inches

* May Require Application Engineering

Specifications:

Model	Mineral Volume (Ft.3)	Peak Flow (GPM)	Backwash Rate (GPM)	Shipping Weight (Lbs)
10AB-S/10AB-SP	1	5.0 / 9.0	5.0 / 7.0	40 / 65
15AB-S/15AB-SP	1.5	7.0 / 10.0	5.0 / 8.0	55 / 90
20AB-S/20AB-SP	2	12.0 / 15.0	8.0 / 12.0	70 / 115
25AB-S/25AB-SP	2.5	15.0 / 18.0	10.0 / 15.0	85 / 140

Application Benefits:

- Filter-Ag and Filter-Ag Plus remove sediment and suspended matter in your water
- Less pressure loss as compared to other filtering medias
- High service flow rates offer lower equipment costs and savings in space
- High capacity media does not need to be backwashed as often, also resulting in water and energy savings
- Replacement of sand filtering media with Filter-Ag media will typically increase efficiency by as much as 100% or more
- Standard ABS and ABSP units are programmed on a 30-day timer, and are set to backwash on the day and time of your choice
- Filter-Ag can filter down to 20 – 40 micron
- Filter-Ag Plus can filter down to 5 micron

Required Conditions:

- Backwash flow rates:
 - AquaBubble ABS: 8-10 GPM/ft.2*
 - AquaBubble ABSP: 15-20 GPM/ft.2*
- Bed Depth of 24-36 inches
- Backwash expansion of 35-50% of bed depth
- Service flow rates:
 - AquaBubble ABS: 5 GPM/ft.2*
 - AquaBubble ABSP: 12-20 GPM/ft.2*



AquaBubble™ AB-B Birm® Filter



The AquaBubble™ ABB Birm™ unit uses dissolved oxygen naturally present in your water to oxidize and filter iron and manganese

Benefits of Having Iron Free Water:

- Filtering iron will prevent buildup in plumbing fixtures, piping, water heaters and all other appliances saving you money in the long run
- Filtering iron and manganese will prevent reddish brown or black staining in the bathroom and kitchen accessories

Standard Equipment Includes:

- WS1CS Control Valve
- Bypass Valve (Bypass connections sold separately, see page 3)
- A black media called Birm™ is used for removing iron and manganese from your drinking water
- Fiberglass Mineral Tank
- Full 1" Internal Piping
- Reliable automatic backwashing control valve, capable of being custom tailored to your specific application

Removal Process:

- The AquaBubble™ AB-B filter media acts as an insoluble catalyst to enhance the reaction between dissolved oxygen (D.O.) and the iron and manganese compounds

Dimensions:

Model	A	B	C	D
10AB-B	55	9	48	50
15AB-B	61	10	54	56
20AB-B	59	12	52	54
25AB-B	61	13	54	56

A= Overall height in inches

B= Tank diameter in inches

C= Tank height in inches

D= Inlet height in inches

* May Require Application Engineering

Specifications:

Model	Mineral Volume (Ft.3)	Peak Flow (GPM)	Backwash Rate (GPM)	Shipping Weight (Lbs)
10AB-B	1	5.0	5.0	60
15AB-B	1.5	7.0	5.0	85
20AB-B	2	12.0	8.0	110
25AB-B	2.5	15.0	12.0	135

Application Benefits:

- Birm™ eliminates iron and manganese
- Birm™ possesses a long material life, a wide temperature range, and extremely high removal rates
- No need for caustic chemical regeneration
- Standard ABB units are programmed on a 12-day timer, and are set to regenerate on the day and time of your choice
- Filters down to 20 – 40 micron

Required Conditions:

- Influent water must not be corrosive
- For corrosive conditions, see AquaBubble model AB-M
- Influent water must contain no hydrogen sulfide gas
- See AquaBubble™ model AB-G for water containing hydrogen sulfide gas
- Influent water must have a D.O. content equal to at least 15% of the iron content with a pH of 6.8 or greater
- Water having a low D.O. content level may be aerated by an Iron Gate®, Revolution™, or Quantum™
- Applications for manganese removal should have a pH of 8.5 or greater*
- Periodic backwash is required, no regeneration needed





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It is important to have your water periodically tested for contaminants. While some contaminants will alter the odor, taste and color of water, other contaminants are odorless, tasteless and colorless and can only be detected by laboratory testing. Unhealthy levels of various contaminants are common in private wells. State and local laws generally do not require testing of private well water. If you have a private well, it is strongly recommended that you have your well water tested.



**Be Confident in the
Quality of Your Water**



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