



ENTIPUR[®]

Entipur[®] Product Line
R.E. Prescott Company
Water Treatment Catalog

Enter a World of Cleaner Water

www.represcott.com | 603-772-4321 | 10 Railroad Ave. Exeter, NH 03833



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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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Rev. 3/2018





Entipur® Monitor™ Valve



Entipur® Monitor™

- > Adjustable Service Alarm: Factory set to yearly and 80,000 gallons used
- Green Light: Plugged in and working
- Yellow Light Flashing: 80% gallons used
- Red Light Flashing: 90% gallons used
- Red Light and Service Alarm: 100% gallons used (Alarm can be silenced for 2 days by pressing any button)

CONTROL SPECIFICATIONS

- Inlet/Outlet Fittings: 3/4" to 1.5" NPT
 Cycles: up to 6
 Valve Material: Noryl (1) or equivalent
 Regeneration: downflow/upflow
- Optional double backwash feature offers optimum regeneration, cleaning ability and efficiency
 - Fully adjustable regeneration cycle time
 - Post treated water regenerant refill

FLOW RATES

Service @15 psi drop (includes bypass, meter): 27 gpm
 Backwash @ 25 psi drop (includes bypass): 27 gpm
 Cv Service: 7.0
 Cv Backwash: 5.4

OPERATING PRESSURES

Minimum/Maximum: 20 psi – 125 psi

OPERATING TEMPERATURES

Minimum/Maximum: 40° – 110° F

TANK APPLICATIONS

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

(1) Noryl is a trademark of Sabic Innovative Plastics IP B.V. Company
 (2) Filter tank size calculated at 10 gpm of backwash per square foot of bed area

Information

- > Press the Setup Button to display:
 - Installer name and phone number
 - Gallons remaining before regeneration
 - Days remaining before regen
- > Time of Day
- > Flow Rate
- > Total Flow
- > Peak Flow

Action

- > Press the Regen Button to:
 - Regen tonight
- > Press and hold the Regen Button to:
 - Regen now

Adjustment

- > Press and hold the Setup Button to adjust:
 - Gallons between regen by adjusting hardness value
 - Days between regen
 - Regen time
 - Audio alarm on/off

METER

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

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

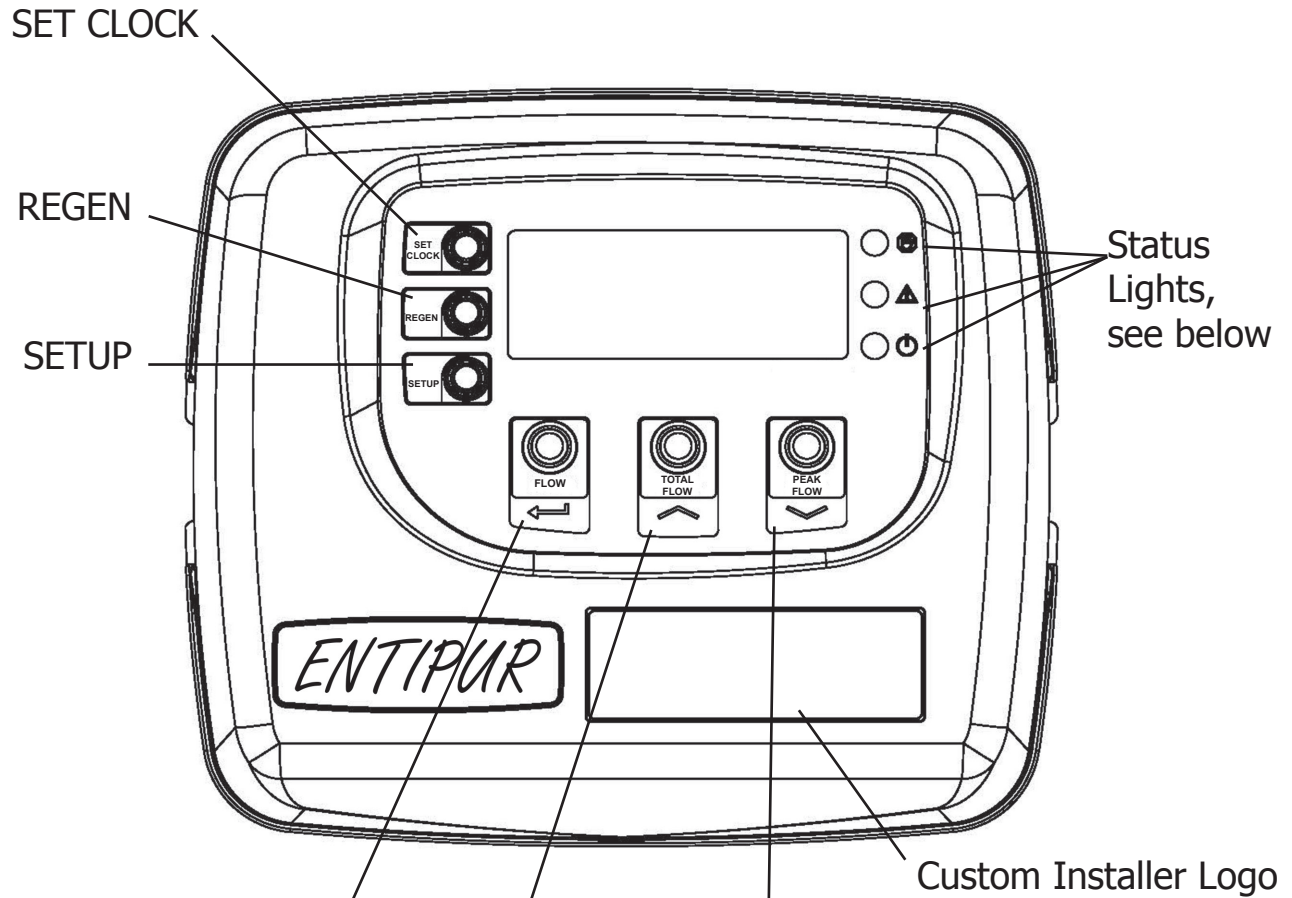
AC ADAPTER

	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	500 mA

- Coin Cell Lithium battery back-up with an 8 hour carry over
- 12-volt output AC Adapter provides safe and easy installation



Entipur[®] Monitor[™] Interface



Monitoring Interface: FLOW TOTAL FLOW PEAK FLOW
Programming Interface: NEXT UP DOWN

Status Lights:



Red Light Flashing: 90% of gallons used before service alarm.
Red Light and Service Alarm: 100% of gallons used. The screen will display installer name and phone number. Alarm beeps 3 times every 15 seconds. The alarm can be silenced by pushing any button. Alarm will be silenced for 2 days.



Yellow Light Flashing: 80% of gallons used before service alarm.



Green Light: System is plugged in and working fine.



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®.
- **Katalox Light® (KL)**- A granular filtration media used for the removal or reduction of iron and other metals, hydrogen sulfide, manganese and sediment down to 3 microns.



Entipur® AirCycle™ Aeration

Economical, single tank Entipur® AirCycle™ Aeration uses natural air oxidation to precipitate iron, manganese and hydrogen sulfide odor.

Benefits of Having Iron and Odor Free Water:

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

Application Benefits:

- Treats iron, manganese, and hydrogen sulfide gas (odor)
- Standard AirCycle™ Aeration units include the Entipur® Monitor™ to regenerate on the day, time and gallons of your choice

Removal Process:

- The Entipur® AirCycle™ uses natural air oxidation to precipitate sulfur odor, iron and manganese
- Can use a variety of filter medias

Dimensions:

Model	A	B	C	D
AC10T*	56	9	48	49.75
AC15T*	62	10	54	55.75
AC20T*	60	12	52	53.75
AC25T*	62	13	54	55.75

*Can Use Filter Media, May Require Application Engineering

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)
AC10T*	1	5.0	5.0	100
AC15T*	1.5	7.0	5.0	145
AC20T*	2	12.0	8.0	190
AC25T*	2.5	15.0	10.0	235

*Can Use Filter Media, May Require Application Engineering

Standard Equipment Includes:

- Entipur® Monitor™ Valve
- Fiberglass Mineral Tank
- Full 1" Internal Piping
- Can use a variety of filter medias

Required Conditions:

- Depending on filter media selection, influent water must be non-corrosive
- 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.



Every AirCycle™ Aeration unit comes with a 2.1 Gallon Water Expansion Tank (unless otherwise specified) - 41510



Entipur® Advantage



The Entipur® Advantage Water Softener removes Hardness, Iron and Manganese using Upflow Proportional Brining

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:

- Entipur® Monitor™ Valve
- High capacity Ion exchange resin media
- Full 1" internal piping
- Fiberglass mineral tank
- 15"x17"x34" Brine tank with install accessories
- Bypass valve and connections sold separately (see page 4)
- Plumbing connection kit sold separately

Required Conditions:

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

Removal Process:

- Proportional brining is a method of calculating the amount of water added to the brine tank proportional to the remaining capacity of the water softener when regeneration occurs
- 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)
- Advantage 6T units include the Entipur® Monitor™ and regenerate upon water consumption, which offers environmental and economical use of sodium or potassium
- Calculates exactly how much regeneration is needed
- Precision regeneration optimizes cleaning frequency
- Saves water, conserves resources and protects the environment

Designer tank jacket and brine tank available for the Advantage Model AD6T45-2M-UP

Dimensions:

Model	A	B	C	D
AD6T45-2M-UP	61	10	54	56

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)
AD6T45-2M-UP	1	7	2.0	90





Entipur® 6T Water Softener

The Entipur® 6T 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:

- Entipur® Monitor™ Valve, downflow or upflow
- Bypass valve and connections sold separately (see page 4)
- High Capacity Ion Exchange Resin Media
- Fiberglass Mineral Tank
- Full 1" Internal Piping
- 18"x 33" Brine Tank
- All accessories for installing the unit and brine tank

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)
- Standard 6T units include the Entipur® Monitor™ AND 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)
- Entipur® softeners are not filters. If a filter is required, refer to one of many Entipur® filters

Dimensions:

Model	A	B	C	D
6T30-2M	55	9	48	50
6T45-2M	61	10	54	56
6T60-2M	59	12	52	54
6T75-2M	62	13	54	56
6T90-2M	72	14	65	67
6T120-2M	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)
6T30-2M	1	7	2.0	90
6T45-2M	1.5	9	2.4	120
6T60-2M	2	14	3.5	160
6T75-2M	2.5	14-18	4.0	190
6T90-2M	3	14-25	4.0	210
6T120-2	4	14-25	5.0	260



Entipur® Twin Tank Water Softener



The Entipur® Twin Tank Softener removes Hardness, Iron, and Manganese

Benefits of Having Soft Water:

- The Entipur® Twin Tank Softener 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:

- Entipur® Monitor™ Valve
- Bypass valve and connections sold separately (see page 4)
- High Capacity Ion Exchange Resin Media
- Fiberglass Mineral Tank
- Full 1" Internal Piping
- 18"x 33" Brine Tank
- All accessories for installing the unit and brine tank

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)
- Standard Twin Tank units include the Entipur® Monitor™ to regenerate on the day, time and gallons of your choice
- 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)
- Entipur® softeners are not filters. If a filter is required, refer to one of many Entipur® filters

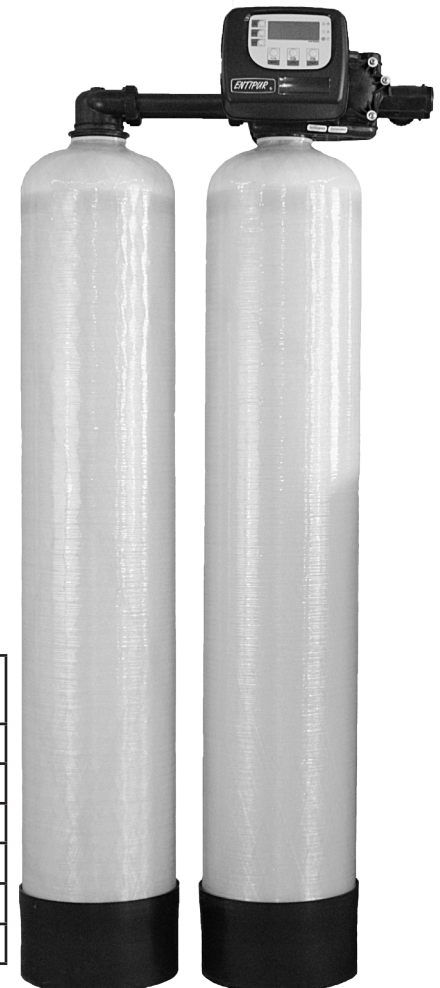
Dimensions

Model	A	B	C	D
6T30-2TT	56	9	48	49.75
6T45-2TT	62	10	54	55.75
6T60-2TT	60	12	52	53.75
6T75-2TT	62	13	54	55.75
6T90-2TT	73	14	65	66.75
6T120-2TT	73	16	65	66.75

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)
6T30-2TT	1	7	2.0	90
6T45-2TT	1.5	9	2.4	120
6T60-2TT	2	14	3.5	160
6T75-2TT	2.5	14-18	4.0	190
6T90-2TT	3	14-25	4.0	210
6T120-2TT	4	14-25	5.0	260



Brine tank included (not pictured)



Entipur® TA Acid Neutralizer

The Entipur® T-A 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:

- Entipur® Monitor™ Valve
- Bypass valve and connections sold separately (see page 4)
- Crushed and screened white marble limestone neutralizing media known as "Neutralite"
- Fiberglass Mineral Tank
- Full 1" Internal Piping

Removal Process:

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

Application Benefits:

- Neutralite increases alkalinity and raises low pH in the water to correct for acidic conditions
- There is no need for chemicals, only periodic backwashing is required
- Standard TA units include the Entipur® Monitor™ to regenerate on the day, time and gallons 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 TA unit is operating correctly. If this is a problem, then an Entipur® water softener should be considered.

Dimensions:

Model	Model	A	B	C	D
10TA	10TA-X	55	9	48	50
15TA	15TA-X	61	10	54	55
20TA	20TA-X	59	12	52	54
25TA	25TA-X	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)
10TA	10TA-X	1	5.0	5.0	110
15TA	15TA-X	1.5	7.0	5.0	160
20TA	20TA-X	2	12.0	8.0	210
25TA	25TA-X	2.5	15.0	10.0	260



Entipur® T-MTM MTM Filter



The Entipur® T-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:

- Entipur® Monitor™ Valve
- Bypass valve and connections sold separately (see page 4)
- 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

Removal Process:

- The Entipur® T-MTM filter uses catalytic oxidation to filter hydrogen sulfide gas (odor), iron and manganese

Application Benefits:

- MTM eliminates iron, manganese, and hydrogen sulfide gas
- Standard T-MTM units include the Entipur® Monitor™ to regenerate on the day, time and gallons of your choice
- Filters down to 20 – 40 micron

Required Conditions:

- Influent water must not be corrosive
- For corrosive conditions, see Entipur® TM Multi-Media models
- Influent water must have a Dissolved Oxygen (D.O.) content equal to at least 15% of the iron content with a pH of 6.8 or greater
- If D.O. is not present, consider the use of Entipur® AirCycle™ 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

Dimensions:

Model	A	B	C	D
10T-MTM	55	9	48	50
15T-MTM	61	10	54	56
20T-MTM	59	12	52	54
25T-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)
10T-MTM	1	5.0	5.0	100
15T-MTM	1.5	7.0	5.0	145
20T-MTM	2	12.0	8.0	190
25T-MTM	2.5	15.0	10.0	235





Entipur[®] TM Multi-Media Filter

The Entipur[®] TM 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:

- Entipur[®] Monitor[™] Valve
- Bypass valve and connections sold separately (see page 4)
- A mixed media composed of Neutralite, Birm, Corosex and Filter-Ag
- Full 1" Internal Piping

Removal Process:

- The Entipur[®] TM filter media is a catalyst to enhance the reaction between dissolved oxygen and the iron and manganese compounds for filtration, as well as correct pH and filter turbidity

Application Benefits:

- Raises pH, filters iron and manganese as well as corrects for turbidity problems
- No need for caustic chemical regeneration
- Standard TM units include the Entipur[®] Monitor[™] to regenerate on the day, time and gallons of your choice
- Filters down to 20 – 40 micron

Required Conditions:

- Influent water must contain no hydrogen sulfide gas
- See Entipur[®] model T-MTM for water containing hydrogen sulfide gas
- Influent water must have a dissolved oxygen (D.O.) content equal to at least 15% of the iron content with a pH of 6.0 or greater
- If D.O. is not present consider the use of Entipur[®] AirCycle[™] 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

Dimensions:

Model	A	B	C	D
10TM	55	9	48	50
15TM	61	10	54	56
20TM	59	12	52	54
25TM	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)
10TM	1	5.0	5.0	85
15TM	1.5	7.0	5.0	110
20TM	2	12.0	8.0	135
25TM	2.5	15.0	10.0	160



Entipur® TI-FA Iron Filter



The Entipur® TI-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
10TI-FA	55	9	45	50
15TI-FA	61	10	54	56
20TI-FA	59	12	52	54
25TI-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)
10TI-FA	1	5.0	5.0	110
15TI-FA	1.5	7.0	5.0	160
20TI-FA	2	12.0	8.0	210
25TI-FA	2.5	15.0	10.0	260





Entipur® TCS Coconut Shell Carbon

The Entipur® TCS 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 when 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:

- Entipur® Monitor™ Valve
- Bypass valve and connections sold separately (see page 4)
- High performance Coconut Shell activated carbon media
- Other Carbon options available*
- Fiberglass Mineral Tank
- Full 1" Internal Piping

Dimensions:

Model	A	B	C	D
10TCS	55	9	48	50
15TCS	61	10	54	56
20TCS	59	12	52	54
25TCS	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)
10TCS	1	5.0	5.0	90
15TCS	1.5	7.0	5.0	120
20TCS	2	12.0	8.0	160
25TCS	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 TCS units include the Entipur® Monitor™ to regenerate on the day, time and gallons of your choice
- 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*



Entipur® TS Sediment Filter



The Entipur® TS 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:

- Entipur® Monitor™ Valve
- Bypass valve and connections sold separately (see page 4)
- A light grey media called Filter-Ag or Filter-Ag Plus is used for filtering sediment from your water
- Fiberglass Mineral Tank
- Full 1" Internal Piping

Removal Process:

- The Entipur® TS Filter-Ag and TSP 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
10TS/10TSP	55	9	48	50
15TS/15TSP	61	10	54	56
20TS/20TSP	59	12	52	54
25TS/25TSP	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)
10TS/10TSP	1	5.0 / 9.0	5.0 / 7.0	40 / 65
15TS/15TSP	1.5	7.0 / 10.0	5.0 / 8.0	55 / 90
20TS/20TSP	2	12.0 / 15.0	8.0 / 12.0	70 / 115
25TS/25TSP	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, 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 TS units include the Entipur® Monitor™ to regenerate on the day, time and gallons 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:
 - Entipur® TS: 8-10 GPM/ft.2*
 - Entipur® TSP: 15-20 GPM/ft.2*
- Bed Depth of 24-36 inches
- Backwash expansion of 35-50% of bed depth
- Service flow rates:
 - Entipur® TS: 5 GPM/ft.2*
 - Entipur® TSP: 12-20 GPM/ft.2*





Entipur® TB Birm® Filter

The Entipur® TB 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:

- Entipur® Monitor™ Valve
- Bypass valve and connections sold separately (see page 4)
- A black media called Birm™ is used for removing iron and manganese from your drinking water
- Fiberglass Mineral Tank
- Full 1" Internal Piping

Removal Process:

- The Entipur® TB filter media acts as an insoluble catalyst to enhance the reaction between dissolved oxygen and the iron and manganese compounds

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 TB units include the Entipur® Monitor™ to regenerate on the day, time and gallons of your choice
- Filters down to 20 – 40 micron

Required Conditions:

- Influent water must not be corrosive
- For corrosive conditions, see Entipur® model TM
- Influent water must contain no hydrogen sulfide gas
- See Entipur® model T-MTM for water containing hydrogen sulfide gas
- Influent water must have a dissolved oxygen (D.O.) content equal to at least 15% of the iron content with a pH of 6.8 or greater
- Low D.O. content may be raised by Entipur® AirCycle™ Aeration
- Applications for manganese removal should have a pH of 8.5 or greater*
- Periodic backwash is required

Dimensions:

Model	A	B	C	D
10TB	55	9	48	50
15TB	61	10	54	56
20TB	59	12	52	54
25TB	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)
10TB	1	5.0	5.0	60
15TB	1.5	7.0	5.0	85
20TB	2	12.0	8.0	110
25TB	2.5	15.0	12.0	135





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