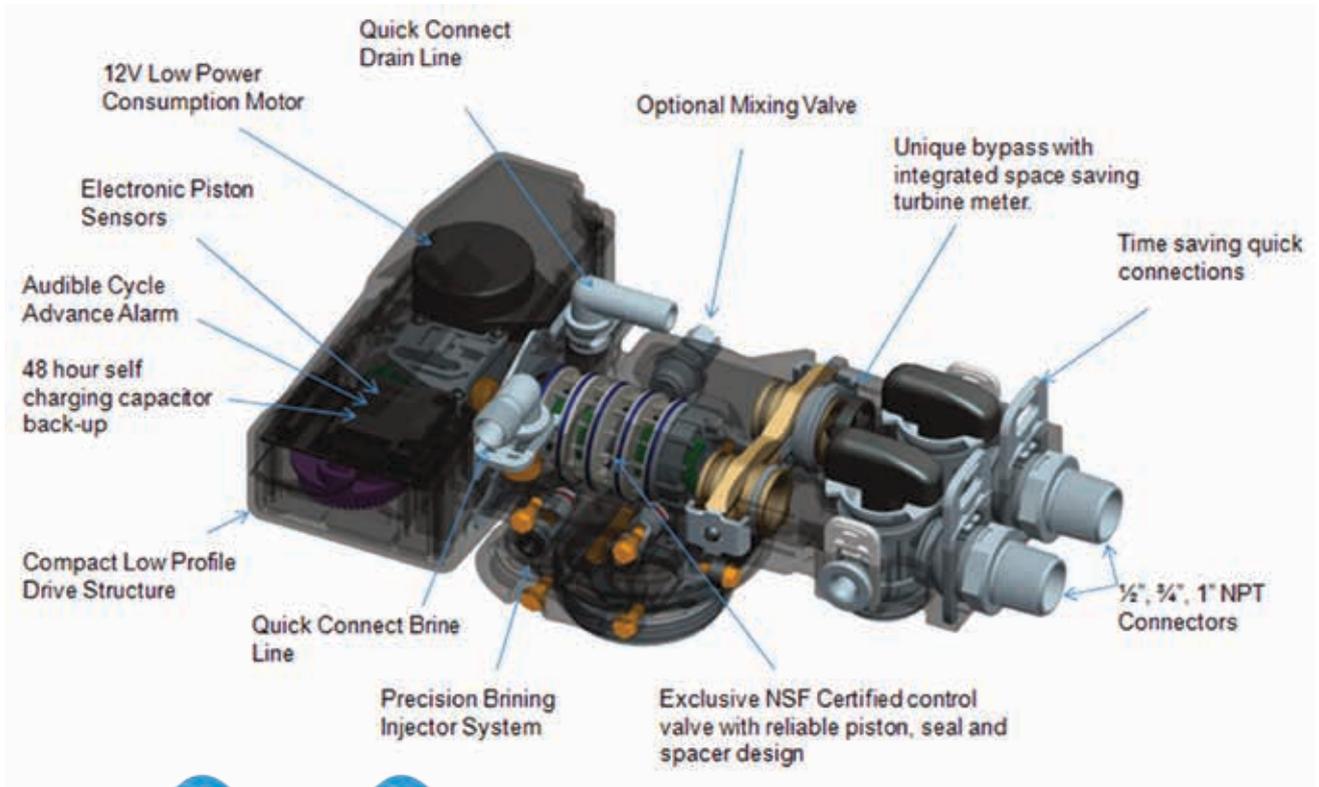


**SOFT,  
CLEAN  
& CLEAR**



**SOFTENERS, FILTERS  
& SPECIALTY SYSTEMS**

# UNIQUE FEATURES DESIGNED WITH THE PLUMBER IN MIND



## QUICK CONNECT FEATURES FOR ULTIMATE CONVENIENCE

The quick connect bypass comes installed on every unit with both 90° 3/4" elbows and straight 1" NPT connectors. Optional quick connect adaptors include 3/4" straight shark bite and 3/4" straight NPT connectors.



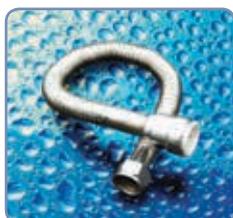
All units include pre-installed bypass



Standard QC Fittings



Optional Fittings

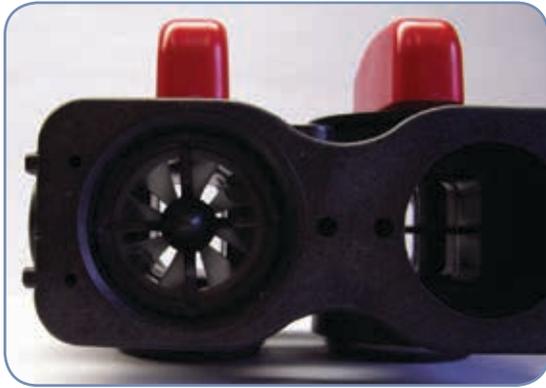


### 3/4" FiP x 3/4" Jg Flex Connector 18" (item # 80127757)

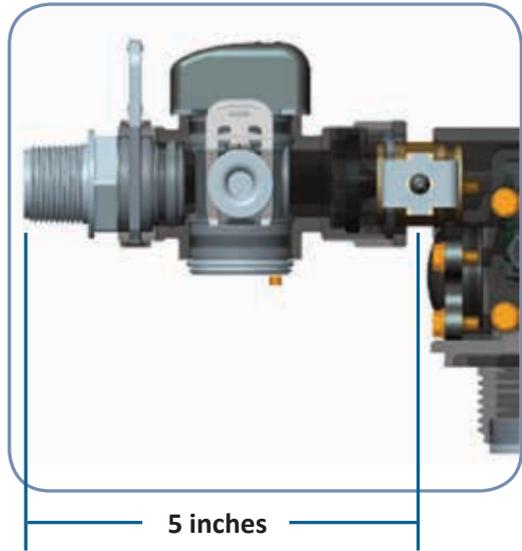
Simply push to connect on to any 3/4" copper, CPVC or PEX piping with no tools!! Brought to you by a collaboration between Falcon Stainless and John Guest USA. Eliminates the need for expensive brass compression fittings or copper male adaptors.

# SPACE SAVING IMPROVED DESIGN

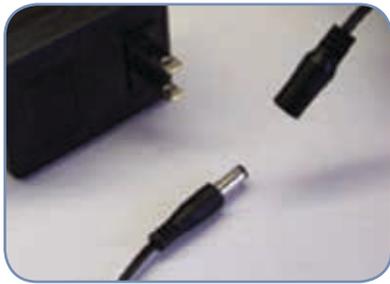
Eliminate 4" and unnecessary connections for neat, quick installations. Bypass with integrated meter avoids 'meter jamming' which is caused from weight of pipes creating torque on turbines causing them to bind and stop metering.



integrated meter in bypass



1 Connection Comes pre-installed



QC Power Cable

- Simplifies installation or removal of the valve from the tank
- No tangled or wrapped up power cords!



9 inches  
3 Connections

## HIGH QUALITY BRINE COMPONENTS

- Closed bottom brine well reduced intrusion of unwanted impurities
- Injection molded brine grids reduce bridging
- Solvent free distributor tube with spun weld collector avoids glue and solvents
- Injection molded reliable brine valve



# HEAVY DUTY PACKAGING

Novo uses only durable double-walled high impact cardboard with carrying straps to ensure you do not have to deal with the headache of receiving damaged products.



*“Our focus is to build the highest quality water conditioning products in the industry... so when it comes to protecting them from damage during shipping & handling we don’t ‘cheap out’!”*

Toby Hughes, P.Eng  
Chief operations officer



## WATER SOFTENER SIZING GUIDE

### Choosing the Right Size Softener

# of People	Total Hardness (Grains per Gallon)										
	10	15	20	25	30	40	50	60	70	75	
1	NVO485-75 NVO165-75	NVO485-75 NVO165-75	NVO485-75 NVO165-75	NVO485-75 NVO165-75	NVO485-75 NVO165-75	NVO485-75 NVO165-75	NVO485-75 NVO165-75	NVO485-75 NVO165-75	NVO485-75 NVO165-75	NVO485-100 NVO165-100	NVO485-100 NVO165-100
2	NVO485-75 NVO165-75	NVO485-75 NVO165-75	NVO485-75 NVO165-75	NVO485-75 NVO165-75	NVO485-75 NVO165-75	NVO485-75 NVO165-75	NVO485-75 NVO165-75	NVO485-75 NVO165-100	NVO485-100 NVO165-100	NVO485-100 NVO165-150	NVO485-150 NVO165-150
3	NVO485-75 NVO165-75	NVO485-75 NVO165-75	NVO485-75 NVO165-75	NVO485-75 NVO165-75	NVO485-75 NVO165-75	NVO485-100 NVO165-100	NVO485-150 NVO165-150	NVO485-150 NVO165-150	NVO485-150 NVO165-150	NVO485-150 NVO165-200	NVO485-200 NVO165-200
4	NVO485-75 NVO165-75	NVO485-75 NVO165-75	NVO485-75 NVO165-75	NVO485-75 NVO165-100	NVO485-100 NVO165-100	NVO485-150 NVO165-150	NVO485-150 NVO165-200	NVO485-200 NVO165-200	NVO485-200 NVO165-200	NVO485-200 NVO165-300	NVO485-300 NVO165-300
5	NVO485-75 NVO165-75	NVO485-75 NVO165-75	NVO485-75 NVO165-75	NVO485-100 NVO165-150	NVO485-150 NVO165-150	NVO485-150 NVO165-200	NVO485-200 NVO165-300	NVO485-300 NVO165-300	NVO485-300 NVO165-300	NVO485-300 NVO165-300	NVO485-300 NVO165-N/A
6	NVO485-75 NVO165-75	NVO485-75 NVO165-75	NVO485-100 NVO165-100	NVO485-150 NVO165-150	NVO485-150 NVO165-150	NVO485-200 NVO165-200	NVO485-300 NVO165-300	NVO485-300 NVO165-300	NVO485-300 NVO165-300	NVOHEDP-100	NVOHEDP-100
7	NVO485-75 NVO165-75	NVO485-75 NVO165-100	NVO485-100 NVO165-150	NVO485-150 NVO165-150	NVO485-150 NVO165-200	NVO485-200 NVO165-300	NVO485-300 NVO165-300	NVOHEDP-100	NVOHEDP-100	NVOHEDP-100	NVOHEDP-150
8	NVO485-75 NVO165-75	NVO485-100 NVO165-100	NVO485-150 NVO165-150	NVO485-150 NVO165-200	NVO485-200 NVO165-200	NVO485-300 NVO165-300	NVO485-300 NVO165-N/A	NVOHEDP-100	NVOHEDP-150	NVOHEDP-150	NVOHEDP-150
9	NVO485-75 NVO165-75	NVO485-100 NVO165-150	NVO485-150 NVO165-150	NVO485-200 NVO165-200	NVO485-200 NVO165-300	NVO485-300 NVO165-300	NVOHEDP-100	NVOHEDP-150	NVOHEDP-150	NVOHEDP-150	NVOHEDP-150
10	NVO485-75 NVO165-100	NVO485-150 NVO165-150	NVO485-150 NVO165-200	NVO485-200 NVO165-300	NVO485-300 NVO165-300	NVOHEDP-100	NVOHEDP-100	NVOHEDP-150	NVOHEDP-150	NVOHEDP-150	NVOHEDP-150

**Notes:**

We recommend contacting Novo Water Customer Service for any hardness levels above 75 gpg for proper recommendations  
Cabinet models are available for all 75 and 100 models

# WATER SOFTENERS

## Novosoft 485HE Series Water Softener

Novo's premier high-efficiency softener sets the new standard for high performance while offering more features designed to make installations faster & easier than ever!



uses up to  
75% less salt  
& 64% less  
Water!!!

Cabinet model

Twin tank model



Two piece cabinet design



WQA Tested & Certified to NSF/ANSI 44 for effective reduction of hardness as verified and substantiated by test data.



7 Year Warranty  
Control Valve



Lifetime Warranty  
Pressure tank

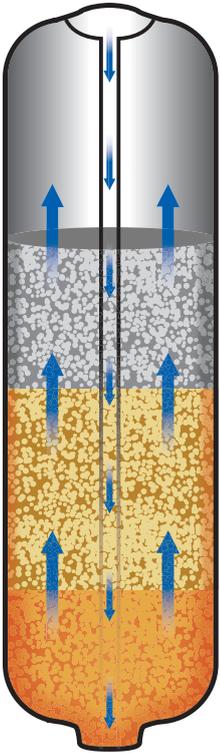
### Features:

- Reverse Flow regeneration preserves unused portion of softening bed from unnecessary exchange saving salt
- Precision Brining calculates the exact amount of brine required to regenerate saving up to 30% more salt
- Automatic Backwash Frequency Preset for clean municipal water saves water by matching back wash to water quality need
- Soft Water Brine Tank Refill keeps tank & injectors clean
- Automatic System Refresh flushes stagnant water after 7 days of non-use preventing bacteria growth
- Soft Water Recharge Mode ensures soft water during unusually heavy water usage
- Compact two-piece cabinet or traditional twin tank
- Condensation tank jacket (8", 9" & 10" twin tank models)
- NSF Certified fibreglass pressure tank
- WQA Gold Seal Certified cation resin
- WQA Tested & Certified against CSA B483.1
- User-friendly backlit LCD display
- "No Touch" information display rotates key info like last regeneration date and volume remaining
- Unique bypass with integrated turbine meter saves space, eliminates connections and is more durable
- Time saving quick connect fittings on bypass, drain & brine line. Power cord even has quick connect for easier installations.
- Drain line o-ring eliminates the need for Teflon
- Brine safety valve for added overflow protection
- Plastic salt grid prevents bridging (twin tank only)
- 48 hour self charging battery back-up
- Includes hose clamp and 10' of drain tubing

# HIGH PERFORMANCE FEATURES:

## Reverse Flow Regeneration with Precision Brining

Traditional 'downflow' softeners deplete the unused portion of the resin bed with every regeneration. It is like draining the gas tank in your car every time before filling it up!



**'Reverse Flow Regen'** - drives the hardness minerals up through the already depleted resin and out to drain - saving both salt and the unused portion of the resin for future use.

**Soft Water Recharge** - If total capacity goes below 3%, a short 15 minute 'recharge' will restore additional capacity so the softener can soften until the regular 2:00 a.m. regeneration time.

**Precision Brining** - saves additional salt by pre-making only 70% of the brine. Just before regeneration, the computer calculates the precise amount of brine top-up needed to regenerate only the depleted resin saving up to 30% more salt!



### Soft Water Brine Tank Refill

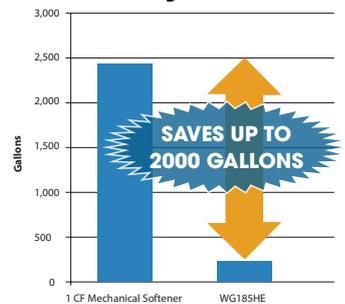
- Conserve capacity and keep brine tank cleaner by adding only treated soft water to brine tank rather than raw untreated hard water.

**Automatic System Refresh** - If no water is used for seven days, the system will perform an automatic refresh preventing bacteria growth.

### Automatic Backwash Override

- On clean municipal water supply there is no need to backwash and clean the bed every regeneration. Save water each regeneration by skipping up to 10 backwash cycles.

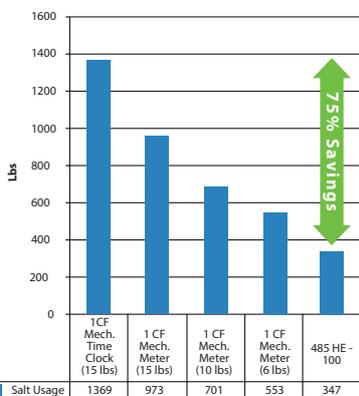
Estimated Annual Back Wash Water Usage



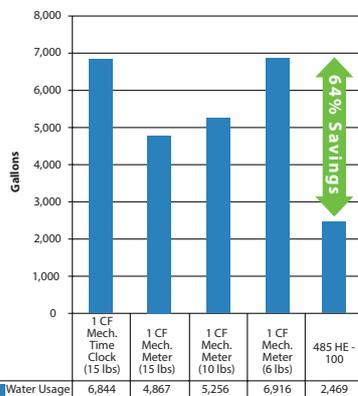
## ULTIMATE SALT & WATER SAVINGS!

Use 75% Less Salt & 64% Less Water! It's good for you & good for the environment!

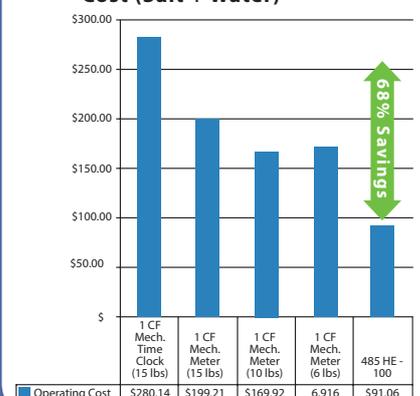
Salt Used Per Year



Estimated Regeneration Water Used Per Year



Estimated Annual Operating Cost (Salt + Water)



# 485 WATER SOFTENER SPECIFICATIONS

Specifications	485HE-75C	485HE-100C	485HE-75	485HE-100	485HE-150	485HE-200	485HE-300
	15010450	15010451	15010452	15010453	15010454	15010455	15010456
Optional Settings - High Efficiency							
Salt Used - Per Regeneration	2.3 lbs	3.0 lbs	2.3 lbs	3.0 lbs	4.5 lbs	6.0 lbs	9.0 lbs
Water Used - Regeneration	22.7 gal	28.3 gal	22.6 gal	31.6 gal	44.3 gal	60.9 gal	102.2 gal
Hardness Removal - Grains	11,250	15,000	11,250	15,000	22,500	30,000	45,000
<b>Factory Settings - Standard Capacity</b>							
Salt Used - Per Regeneration	4.5 lbs	6.0 lbs	4.5 lbs	6.0 lbs	9.0 lbs	12.0 lbs	18.0 lbs
Water Used - Regeneration	40.5 gal	48.6 gal	34.0 gal	43.4 gal	62.7 gal	87.1 gal	139.2 gal
Hardness Removal - Grains	18,750	25,000	18,750	25,000	37,500	50,000	75,000
Optional - High Capacity							
Salt Used - Per Regeneration	7.5 lbs	10.0 lbs	7.5 lbs	10.0 lbs	15.0 lbs	20.0 lbs	30.0 lbs
Water Used - Regeneration	56.1 gal	69.5 gal	49.6 gal	64.3 gal	90.3 gal	124.6 gal	196.2 gal
Hardness Removal - Grains	22,500	30,000	22,500	30,000	45,000	60,000	90,000
Resin Quantity - Cubic Feet	0.75 ft	1.0 ft	0.75 ft	1.0 ft	1.5 ft	2.0 ft	3.0 ft
Tank Size	9x35	10x35	8x44	9x48	10x54	12x52	14x65
Tank Jacket / Media Loaded	Yes	Yes	Yes	Yes	Yes	No	No
Brine Tank / Cabinet Size (Inches)	16.5 x 19.3 x 43.3	16.5 x 19.3 x 43.3	18.1 x 34.5	18.1 x 34.5	18.1 x 34.5	20.3 x 37.4	23.0 x 40.5
Salt Storage Capacity	175 lbs	175 lbs	240 lbs	240 lbs	240 lbs	350 lbs	420 lbs
Flow Rate @ 15 psi Pressure Drop	11.6 gpm	12.0 gpm	10.4 gpm	11.0 gpm	11.2 gpm	12.2 gpm	12.6 gpm
Flow Rate @ 25 psi Pressure Drop	15.6 gpm	16.0 gpm	14.3 gpm	15.0 gpm	15.1 gpm	16.2 gpm	16.6 gpm
Back Wash Flow Rate	2.0 gpm	2.4 gpm	1.5 gpm	2.0 gpm	2.4 gpm	3.5 gpm	5.0 gpm
Shipping Weight	93 lbs	110 lbs	105 lbs	122 lbs	155 lbs	172 lbs	244 lbs
Regeneration Type	Counter Current / Up Flow						
Maximum Efficiency	5,060 grains /lb salt						
Plumbing Connections	¾" and 1" connections						
Resin Type	Aquafine 8% High Capacity Ion Exchange Resin						
Electrical Requirements	Input 120V 60 Hz - Output 12V 650mA						
Water Temperature	Min 39 - Max. 100 degrees Fahrenheit						
Water Pressure	Min. 20 - Max. 125 psi						



# ECONOFLO SERIES WATER SOFTENER

The economical and reliable EconoFlo Series Water Softener offers simple electronics for the same price as mechanical metered units. Offer your customers more for less. Manually index cycle position for easier, faster installation and service.

## All Systems Include:

- ▶ **NSF Certified** pressure tank 
- ▶ **NSF Certified** control valve 
- ▶ **WQA Gold Seal Certified** cation resin 
- ▶ **48 hour self charging** battery back-up
- ▶ **Pre-installed** bypass
- ▶ **Injection molded** brine grids (twin tanks only)



**Simpler than setting your alarm clock!**

**TO CHANGE SETTINGS:**

- Press SETTINGS key to advance to TIME OF DAY. TIME OF DAY will flash.
- Press the UP or DOWN key to adjust the TIME OF DAY. Press & hold the UP or DOWN key to quickly advance the hour & minutes. When desired time is displayed press SELECT to advance to the HARDNESS setting. HARDNESS will flash.
- Press the UP or DOWN key to adjust the HARDNESS (Min 1 / Max 199). When desired hardness is displayed press SELECT to advance to the PEOPLE setting (Min 1 / Max 9). PEOPLE will flash.
- When desired number of people is displayed press SELECT to complete programming.

**FOR MANUAL REGENERATION:**

- Turn knob clockwise to 'Backwash' position. Unit will complete a regeneration and return to 'Service' position

**\*Compared to conventional calendar clock models**

Model Number	Item Number	Capacity - Grains			Flow Rate		Mineral Tank Size (Inches)	Total Resin (cu. ft.)	Cabinet or Brine Tank Size Inches (WDXH)	Salt Capacity (lbs)	Shipping Weight (lbs)
		@ 10 lbs/cu ft	@ 6 lbs/cu ft Factory Setting	@ 3 lbs/cu ft	Service USGPM	Backwash USGPM					
EFC20	2117	19,875	<b>16,500</b>	10,500	8	2	9X35	0.75	13.8 X 23.6 X 34.5	225	93
EFC30	2118	26,500	<b>22,000</b>	14,000	10	2.4	10X35	1	13.8 X 23.6 X 34.5	225	110
EFT20	2119	19,875	<b>16,500</b>	10,500	8	2	9X35	0.75	16.6X 16.7 X 61	230	93
EFT30	2120	26,500	<b>22,000</b>	14,000	10	2.4	10X35	1	16.6X 16.7 X 61	230	110
EFT40	2121	33,125	<b>27,500</b>	17,500	12	2.4	10X47	1.25	16.6X 16.7 X 61	230	141
EFT60	2122	53,000	<b>44,000</b>	28,000	13	3.5	12X52	2	18.9 X 18.9 X65.6	270	158
EFT90	2123	79,500	<b>66,000</b>	42,000	15	5	14X65	3	24.6 X 24.6 X 84	700	244
<b>Regeneration Type</b>		Co current / Down Flow									
<b>Plumbing Connections</b>		Includes 3/4" 90°Elbows & 1" Straight NPT									
<b>Resin Type</b>		Aquafine 8% High Capacity Ion Exchange Resin									
<b>Electrical Requirements</b>		Input 120V 60 Hz - Output 12V 650mA									
<b>Water Temperature</b>		Min 39 - Max. 100 degrees Fahrenheit									
<b>Water Pressure</b>		Min. 20 - Max. 125 psi									

# WATER SOFTENERS

EcoSmart Series Water Softener



**ECS-20**

#15010410

**ECS-24**

#15010411

**ECS-34/39**

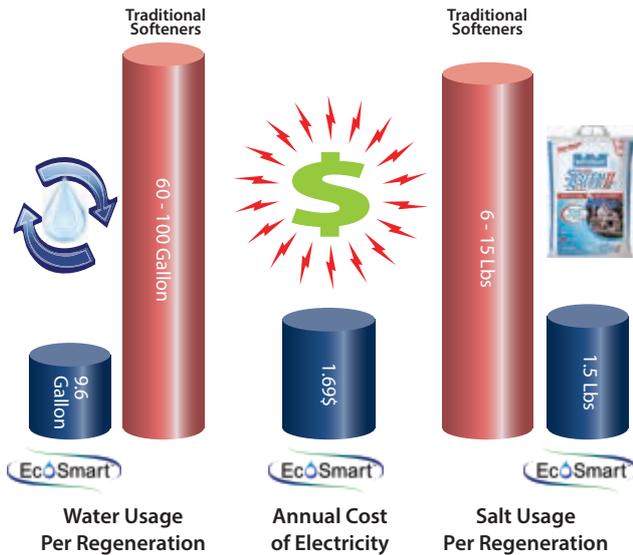
#15010412 (ECS-34)

#15010414 (ECS-39)

## Features:

- Engineered for ultimate efficiency on clean municipal water applications
- Compact design for small spaces
- Uses over 75% less salt & water than conventional water softeners
- EcoSmart™ Intelligent electronic control:
  - Simple intuitive electronics. No confusing codes or symbols!
  - Rotating performance information display!
  - Adjustable cycles for peak efficiency!
- High-efficiency fine mesh cation resin
- Quality injection & blow molded cabinet
- Push release hinged salt lid for easy salt refill
- Brine safety valve provides additional overflow protection
- ECS-34 model not only softens but also filters out bad tastes & odors caused by chlorine & organics
- Removes up to 10 ppm ferrous iron

## Eco-Friendly Efficiency



## Compact Design

Super compact design is perfect for main floor laundry or where space is at a premium!



## Quality & Warranty

EcoSmart™ Water Softeners are built to last! All softeners are third party certified to meet the industry's most exacting standards and backed by one of the industries strongest warranties:

- Seven Year System Warranty
- Lifetime Pressure Tank & Cabinet Warranty



7 Year Warranty Control Valve



Lifetime Warranty Pressure tank



EcoSmart™ control valve & pressure tanks are NSF Certified



WQA Tested & Certified to NSF/ANSI 44 for effective reduction of hardness as verified and substantiated by test data.

## Easy Installation

Complete installation kit including bypass, plumbing fittings & drain tubing. Quick connect fittings for simple installation. Includes easy to follow installation guide.

- ➔ 3/4" 90 degree elbows & 1" straight NPT quick connect adaptors



Specifications	ECS-20 Item #15010410	ECS-24 Item #15010411	ECS-34 Item #15010412	ECS-39 Item #15010414
Maximum Hardness Removal	19,500 grains	24,180 grains	34,320 grains	39,000 grains
Factory Settings - High Efficiency				
Salt Used	1.5 lbs	2.1 lbs	2.4 lbs	3.0 lbs
Water Used	9.6 gal	11.7 gal	15.8 gal	17.9 gal
System Capacity	7,300 grains	10,200 grains	11,700 grains	15,400 grains
High Capacity Settings				
Salt Used	3.0 lbs	3.7 lbs	5.3 lbs	6.0 lbs
Regeneration Water Used	16.9 gal	21.4 gal	32.5 gal	34.6 gal
System Capacity	12,000 grains	16,800 grains	19,200 grains	25,000 grains
Coconut Activated Carbon	No	No	Yes	No
Integrated Meter in Bypass	Yes	Yes	Yes	Yes
Plumbing Connections	3/4" or 1"	3/4" or 1"	3/4" or 1"	3/4" or 1"
Flow Rate @ 15 psi Pressure Drop	10.9 gpm	10.2 gpm	10.0 gpm	10.0 gpm
Salt Storage Capacity	80 lbs	120 lbs	170 lbs	170 lbs
Shipping Weight	58.5 lb	68.3 lb	84.3 lb	87.5 lb
Maximum Efficiency	5,600 grains /lb salt			
Electrical Requirements	120V 50/60 Hz			
Maximum Water Temperature	120 degrees Fahrenheit			
Water Pressure	min. 20 - max. 120 psi			
Foot Print	13 inches wide x 18 inches long			

# SHOWER SOFTENER

Just want soft water for your shower? This compact water-proof shower unit requires no electricity. The one-step manual regeneration is easy to operate. Small portable design makes it perfect for non-winterized cottages.



## Features:

- Easy installation
- No electricity required
- Waterproof slide cover
- One step regeneration process

Item #	Model	Mineral Tank Size (IN)	Resin Cu Ft	Brine Tank / Cabinet Size Inches (WxDxH)	Ship Weight (Lbs)
15180001	SHOWER SOFTENER	7 x 13	0.22	8.7 x 14.2 x 19.2	20

# WHOLE-HOUSE AUTOMATIC WATER FILTERS

**Protect Your Plumbing From Bad Taste and Odor Caused by Chlorine and Other Chemicals.**

## **Remove Disinfectants From Your Water**

Once water arrives safely at your home there is no further need for disinfectants. In fact they are undesirable!

- ➔ Taste and bad odor
- ➔ Dry skin
- ➔ Damage plumbing
- ➔ Can produce potentially harmful by-products

## **Leaky Faucet or Toilet?**

Chlorine is a strong oxidant that quickly **destroys plastic & rubber seals & gaskets** in appliances & plumbing causing leaks.

## **Pin Hole Leaks in Pipes!**

Chloramines are **corrosive** by nature and will eventually cause costly damage to plumbing – causing pitting & pin hole leaks.



# NOVOCLEAR 485HE SERIES WATER FILTERS

Problem water is no problem with our full line of NovoClear 485 Water Filters. Eliminate iron, sediment, bad tastes, stains and odors, as well as, color caused by organics. The high-efficiency control valve monitors water usage and flushes the system automatically, readying it for operation again.

- ➔ **Taste & Odor Filters:** Chlorine and organic matter can make your water smell and taste terrible. The **NovoClear 485 Taste & Odor filter** uses high-quality granular activated carbon to absorb the problem-causing substances.
- ➔ **Chloramine removal Filters:** Chloramines are now commonly used to disinfect municipal water supplies causing taste & odor problems. To remove chloramines a special catalytically enhanced carbon is required.
- ➔ **Multi Media Filters:** Cloudy water means you likely have suspended silt: or sediment. Restore your water to crystal clear as the **NovoClear 485 Multi-Media** filter traps particulate matter as small as 20 microns.
- ➔ **Nexsand Turbidity Filters:** Remove suspended solids, Ferric Hydroxide (Red Water Iron) or Sediment from your well or water system down to 5 Microns. Nexsand has proven extremely effective and will double the service flow of Multi Media or Sand Filters.
- ➔ **Neutralizing Filters:** The **NovoClear 485 Neutralizing** filters raise the pH of acidic water to neutralize corrosiveness protecting fixtures, pipes and appliances.
- ➔ **Iron & Sulfur Filters:** Water comes in contact with manganese greensand causing oxidization into solids which can be trapped in the filter bed



Chloramine (CLA) Units use Two Tank System for effective reduction of chloramines



7 Year Warranty Control Valve



Lifetime Warranty Pressure tank

## Features:

- ➔ Exclusive NSF Certified control valve with reliable electronic sensors, adjustable cycle time and proven piston, seal & spacer design
- ➔ NSF Certified fibreglass pressure tank
- ➔ Tank jackets reduce condensation. Standard on 8", 9" & 10" tanks
- ➔ User-friendly backlit LCD display
- ➔ Simple set up and programming with no confusing codes or symbols to remember
- ➔ Automatic Vacation Mode prevents media cementing
- ➔ "No Touch" LCD information display rotates key info like last regeneration date, current flow rate & peak flow rate
- ➔ Unique, compact one piece bypass with integrated turbine meter
- ➔ Time saving quick connect fittings on bypass, drain & brine line. Even the power cord has quick connects
- ➔ Drain line o-ring. No need for Teflon
- ➔ Audible Cycle Advance Alarm
- ➔ 48 hour self charging battery back-up
- ➔ Meter Immediate, Meter Delayed, and Meter with Day Over ride
- ➔ Includes hose clamp and 10' of drain tubing

# FILTER SPECIFICATIONS

Specifications	485MM-75	485MM-100	485MM-150	485MM-200	485MM-300
	15054001	15054002	15054003	15054004	15054005
Normal Service Flow Rate	4.0 gpm	5.0 gpm	7.0 gpm	10.0 gpm	12.0 gpm
Peak Service Flow Rate	5.0 gpm	7.0 gpm	10.0 gpm	12.0 gpm	15.0 gpm
Micron Rating	15-20 micron	15-20 micron	15-20 micron	15-20 micron	15-20 micron
Backwash Flow Rate	4.0 gpm	5.0 gpm	7.0 gpm	10.0 gpm	14.0 gpm
Filter Media Volume - Cubic Feet	0.75 ft <sup>3</sup>	1.0 ft	1.5 ft	2.0 ft	3.0 ft
Filter Tank Size	8x44	9x48	10x54	12x52	14x65
Tank Jacket / Media Loaded	Yes	Yes	Yes	No	No
Shipping Weight	79 lbs	118 lbs	144 lbs	198 lbs	342 lbs

Specifications	485TO-75	485TO-100	485TO-150	485TO-200	485TO-300
	15054006	15054007	15054008	15054009	15054010
Normal Service Flow Rate	4.0 gpm	5.0 gpm	7.0 gpm	10 gpm	12.0 gpm
Peak Service Flow Rate	5.0 gpm	7.0 gpm	10.0 gpm	12.0 gpm	15.0 gpm
Backwash Flow Rate	3.5 gpm	4.0 gpm	5.0 gpm	7.0 gpm	10.0 gpm
Filter Media Volume - Cubic Feet	0.75 ft <sup>3</sup>	1.0 ft	1.5 ft	2.0 ft	3.0 ft
Filter Tank Size	8x44	9x48	10x54	12x52	14x65
Tank Jacket / Media Loaded	Yes	Yes	Yes	No	No
Shipping Weight	50 lbs	60 lbs	78 lbs	95 lbs	138 lbs

Specifications	485NU-75	485NU-100	485NU-150	485NU-200	485NU-300
	15054011	15054012	15054013	15054014	15054015
Normal Service Flow Rate	2.0 gpm	3.0 gpm	5.0 gpm	6.0 gpm	7.0 gpm
Peak Service Flow Rate	3.5 gpm	5.0 gpm	8.0 gpm	10.0 gpm	12.0 gpm
Backwash Flow Rate	3.5 gpm	4.0 gpm	5.0 gpm	7.0 gpm	10.0 gpm
Filter Media Volume - Cubic Feet	0.75 ft <sup>3</sup>	1.0 ft	1.5 ft	2.0 ft	3.0 ft
Filter Tank Size	8x44	9x48	10x54	12x52	14x65
Tank Jacket / Media Loaded	Yes	Yes	Yes	No	No
Shipping Weight	93 lbs	120 lbs	164 lbs	207 lbs	330 lbs

Specifications	485IS-75	485IS-100	485IS-150	485IS-200	485IS-300
	15054016	15054017	15054018	15054019	15054020
Normal Service Flow Rate	3.0 gpm	3.0 gpm	4.0 gpm	5.0 gpm	6.0 gpm
Peak Service Flow Rate	4.0 gpm	5.0 gpm	8.0 gpm	10.0 gpm	12.0 gpm
Backwash Flow Rate	3.5 gpm	4.0 gpm	5.0 gpm	7.0 gpm	10.0 gpm
Compensated Iron Removal Capacity	4,500 ppm	6,000 ppm	9,500 ppm	12,000 ppm	18,000 ppm
KMnO4 per Regen	4 oz	4 oz	4 oz	8 oz	8 oz
Filter Media Volume - Cubic Feet	0.75 ft <sup>3</sup>	1.0 ft	1.5 ft	2.0 ft	3.0 ft
Filter Tank Size	8x44	9x48	10x54	12x52	14x65
Tank Jacket / Media Loaded	Yes	Yes	Yes	No	No
Shipping Weight	113 lbs	129 lbs	179 lbs	233 lbs	352 lbs
Maximum Combination of Iron X 1, Manganese X 2, H <sub>2</sub> S X3		10.0 ppm	Maximum Hydrogen Sulfide		3.0 ppm
Maximum Iron (Ferrous)		7.0 ppm	Maximum Manganese		5.0 ppm
Bacterial Iron		0.0 ppm	Minimum pH		7.0

Specifications	48NEX-75	485NEX-100	485NEX-150	485NEX-200
	15054029	15054030	15054033	15044034
Normal Service Flow Rate	4.0 gpm	5.0 gpm	8.0 gpm	10.0 gpm
Peak Service Flow Rate	7.0 gpm	8.0 gpm	10.0 gpm	12 gpm
Micron Rating	3-5 micron	3-5 micron	3-5 micron	3-5 micron
Backwash Flow Rate	5.0 gpm	7.0 gpm	10.0 gpm	14.0 gpm
Filter Media Volume - Cubic Feet	0.75 ft <sup>3</sup>	1.0 ft	1.5 ft	2.0 ft
Filter Tank Size	8x44	9x48	10x54	12x52
Tank Jacket	Yes	Yes	Yes	No
Shipping Weight	90 lbs	135 lbs	205 lbs	255 lbs

Specifications	485CLA-75	485CLA-100	485CLA-150	485CLA-200
	15054035	15054036	15054037	15054038
Recommended Flow Rates	4.0 gpm	5.0 gpm	7.5 gpm	10.0 gpm
Backwash Flow Rate	3.5 gpm	4.0 gpm	5.0 gpm	7.0 gpm
Filter Media Volume - Cubic Feet	1.5 ft <sup>3</sup>	2.0 ft	3.0 ft	4.0 ft
Filter Tank Size (qty 2)	8x44	9x48	10x54	12x52
Tank Jacket	Yes	Yes	Yes	No
Shipping Weight	100 lbs	120 lbs	155 lbs	190 lbs
Carbon Type	Canature Catalytic Carbon			

All Filters	
Plumbing Connections	3/4" and 1" connections
Electrical Requirements	Input 120V 60 Hz - Output 12V 650mA
Water Temperature	Min 39 - Max. 100 degrees Fahrenheit
Water Pressure	Min. 20 - Max. 125 psi

# NOVOCLEAR 465HE BIF CHEMICAL FREE IRON FILTER



## Features:

- ➔ Natural oxidation removes iron, manganese and sulphur without chemicals, air pumps or a venturi
- ➔ Low maintenance two tank system
- ➔ Regenerates less frequently than traditional iron filters using up to 50% less water than manganese greensand filters
- ➔ NSF Certified electronic control valve
- ➔ NSF Certified fibreglass pressure tanks
- ➔ Meter Immediate, Meter Delayed, Meter with Day Override, Vacation and Calendar Clock mode
- ➔ Adjustable cycle times
- ➔ Unique bypass with an integrated space saving turbine meter and sample port on the inlet. One-piece design avoids meter jamming
- ➔ Time saving quick connect fittings on bypass
- ➔ Quick connect drain line o-ring eliminates need for Teflon
- ➔ Power cord even has quick connect for easy valve spin on
- ➔ Hose clamp and 10' of drain tubing included



7 Year Warranty  
Control Valve



Lifetime Warranty  
Pressure tank

Item #	Model	Media Cu Ft	Flow Rate USGPM			Mineral Tank Size	Air Contact Tank	Pipe Size Inches	Ship Weight Lbs
			Service	Peak	Backwash				
15050092	NVO465BIF-75	0.75	2.0	5.0	3.5	8 x 44	8 x 44	3/4"	132
15050051	NVO465BIF-100	1.0	3.0	6.0	4.0	10 x 44	8 x 44	3/4"	150
15050067	NVO465BIF-150	1.5	4.0	10.0	5.0	10 x 54	10 x 54	3/4"	188
15050093	NVO465BIFMN-75	0.75	2.0	5.0	3.5	8 x 44	8 x 44	3/4"	132
15050071	NVO465BIFMN-100	1.0	3.0	6.0	4.0	10 x 44	8 x 44	3/4"	150
15050072	NVO465BIFMN-150	1.5	4.0	10.0	5.0	10 x 54	10 x 54	3/4"	188

\*MN Models for low pH and/or high manganese applications

# NOVO NRV (NON-REGENERATING VALVE) WHOLE HOUSE CARBON FILTER

**Economical Reduction of Chlorine, Chloramines and other Bad Taste & Odors.**

**Features:**

- Economical whole-house carbon filtration solution for reducing chlorine (TO models), HS2 reduction in warm climates (TOK models) and other bad tastes and odors
- Factory installed one-piece bypass with incorporated meter
- Time saving quick connect fittings (90° ¾" NPT Elbows and 1" Straight NPT) included for faster, easier installation. Optional quick connect SharkBite® fittings also available.
- Five year warranty on Distribution Head
- Ten Year Warranty on NSF Certified tank



5 Year Warranty Distribution Head



10 year Warranty NSF Certified Tank



***Economical non-back-washing distribution head with convenient quick connect fittings***



Specifications	NRV TO-100	NRV TO-150	NRV TOK-100	NRV TOK-150
	15054073	15054074	15054075	15054076
Service Flow Rates				
Normal	5.0 gpm	7.0 gpm	5.0 gpm	7.0 gpm
Peak	7.0 gpm	10.0 gpm	7.0 gpm	10.0 gpm
Filter Media Volume - Cubic Feet	1.0 ft	1.5 ft	1.0 ft	1.5 ft
Filter Tank Size	9x48	10x54	9x48	10x54
Media Type	Coconut Carbon	Coconut Carbon	Coconut Carbon	Coconut Carbon
Media Loaded	Yes	Yes	Yes	Yes
KDF Protector	No	No	Yes	Yes
Tank Jacket	No	No	No	No
Shipping Weight	60 lbs	78 lbs	60 lbs	78 lbs
Plumbing Connections	¾" and 1" connections			
Electrical Requirements	None			
Water Temperature	Min 39 - Max. 100 degrees Fahrenheit			
Water Pressure	Max. 125 psi			

# SPECIALTY SYSTEMS

## Soften & Filter Problems From Your Water

Many ground water supplies often have multiple problems that are not only an issue from an aesthetic standpoint but in terms of cost when pipes become clogged, fixtures stained and laundry discolored.

Combination units provide one solution for multiple problems saving you space and money

## NovoClear 485 HE Series Specialty Combination Systems

Novo offers a variety of specialty systems to fix a variety of water problems commonly found in combination in one water supply.

### Types of Specialty Systems:

#### SIM Series

Softener, Iron and Manganese Combination Removal

#### ST Series

Softener, Tannin and Color Combination Removal

#### SIMTAN Series

Softener, Iron, Manganese & Tannin Removal

SIMTAN and SIM Series Includes ResCare Feeder Plus 1 Quart of ResCare



7 Year Warranty Control Valve



Lifetime Warranty Pressure tank



SIM /ST Series



SIMTAN Series

## SIM Series Specifications

Specifications	485SIM-100	485SIM-150	485SIM-200	485SIM-300
	15010460	15010461	15010462	15010463
<b>Factory Settings - Iron &amp; Manganese</b>				
Salt Used - Per Regeneration	12.0 lbs	18.0 lbs	24.0 lbs	36.0 lbs
Water Used - Regeneration	52.2 gal	74.4 gal	101.4 gal	166 gal
Hardness Removal - Grains	30,000	45,000	60,000	90,000
Resin Quantity - Cubic Feet	1.0 ft	1.5 ft	2.0 ft	3.0 ft
Tank Size	9x48	10x54	12x52	14x65
Tank Jacket / Media Loaded	Yes	Yes	No	No
Brine Tank / Cabinet Size (Inches)	18.1 x 34.5	20.3 x 37.4	20.3 x 37.4	23.0 x 40.5
Salt Storage Capacity	240 lbs	350 lbs	350 lbs	420 lbs
Flow Rate @ 15 psi Pressure Drop	11.0 gpm	11.2 gpm	12.2 gpm	12.6 gpm
Flow Rate @ 25 psi Pressure Drop	15.0 gpm	15.1 gpm	16.2 gpm	16.6 gpm
Back Wash Flow Rate	2.1 gpm	2.4 gpm	3.5 gpm	5.0 gpm
Shipping Weight	125 lbs	158 lbs	175 lbs	247 lbs
Regeneration Type	Co-Current / Down Flow			
Maximum Hardness	75 Grains Per Gallon			
Maximum Iron (Ferrous)	10 ppm			
Maximum Manganese	5 ppm			
Resin Type	Puro-lite® SST-60			

## SIMTAN Series Specifications

Specifications	485SIMTAN-100	485SIMTAN-150	485SIMTAN-200	485SIMTAN-300
Puro-lite 850 Models*	15010480	15010481	15010482	15010483
Puro-lite 860 Models*	15011480	15011481	15011482	15011483
<b>Factory Settings - High Capacity</b>				
Salt Used - Per Regeneration	12.0 lbs	18.0 lbs	24.0 lbs	36.0 lbs
Water Used - Regeneration	64.3 gal	90.3 gal	124.6 gal	196.2 gal
Hardness Removal - Grains	30,000	45,000	60,000	90,000
Tannins Removal	2000 ppm	3000 ppm	4000 ppm	6000 ppm
Tank #1 Resin Quantity - Cubic Feet	1.0 ft	1.5 ft	2.0 ft	3.0 ft
Tank #2 Resin Quantity - Cubic Feet	1.0 ft	1.5 ft	2.0 ft	3.0 ft
Tank Size	9x48	10x54	12x52	14x65
Tank Jacket / Media Loaded	Yes	Yes	No	No
Brine Tank / Cabinet Size (Inches)	18.1 x 34.5	20.3 x 37.4	20.3 x 37.4	23.0 x 40.5
Salt Storage Capacity	240 lbs	350 lbs	350 lbs	420 lbs
Recommended Service Flow Rate	3.0 gpm	4.5 gpm	6.0 gpm	9.0 gpm
Flow Rate @ 15 psi Pressure Drop	7.3 gpm	7.5 gpm	8.3 gpm	9.3 gpm
Flow Rate @ 25 psi Pressure Drop	10.0 gpm	10.1 gpm	11.1 gpm	11.4 gpm
Back Wash Flow Rate	2.0 gpm	2.4 gpm	3.5 gpm	5.0 gpm
Shipping Weight	125 lbs	158 lbs	161 lbs	247 lbs
Regeneration Type	Counter-Current / Up Flow			
Maximum Hardness	75 Grains Per Gallon			
Maximum Tannins	3.0 ppm (Contact Customer Service for higher levels)			
Maximum Iron (Ferrous)	1.5 ppm			
Maximum Manganese	0.75 ppm			
Resin Type	Puro-lite® SST-60			

\* CALL CUSTOMER SERVICE TO DETERMINE CORRECT MODEL. WATER TEST RESULTS REQUIRED

## ST Series Specifications

Specifications	485ST-150	485ST-200	485ST-300
	15010470	15010471	15010472
<b>Factory Settings - High Capacity</b>			
Salt Used - Per Regeneration	18.0 lbs	24.0 lbs	36.0 lbs
Water Used - Regeneration	74.4 gal	101.4 gal	166 gal
Resin Quantity - Cubic Feet	1.5 ft	2.0 ft	3.0 ft
Tank Size	10x54	12x52	14x65
Tank Jacket / Media Loaded	Yes	No	No
Brine Tank / Cabinet Size (Inches)	20.3 x 37.4	20.3 x 37.4	23.0 x 40.5
Salt Storage Capacity	350 lbs	350 lbs	420 lbs
Recommended Service Flow Rate	3.0 gpm	3.0 gpm	6.0 gpm
Flow Rate @ 15 psi Pressure Drop	11.2 gpm	12.2 gpm	12.6 gpm
Flow Rate @ 25 psi Pressure Drop	15.1 gpm	16.2 gpm	16.6 gpm
Back Wash Flow Rate	2.4 gpm	3.5 gpm	5.0 gpm
Shipping Weight	158 lbs	175 lbs	247 lbs
Regeneration Type	Co-Current / Down Flow		
Maximum Hardness	20 Grains Per Gallon		
Maximum Tannins	1.0 ppm		
Resin Type	Aquifine Cation / Anion Exchange Resin		
Plumbing Connections	¾" and 1" connections		

All Specialty Systems	
Plumbing Connections	¾" and 1" connections
Electrical Requirements	Input 120V 60 Hz - Output 12V 650mA
Water Temperature	Min 39 - Max. 100 degrees Fahrenheit
Water Pressure	Min. 20 - Max. 125 psi

# NOVO TAN SERIES TANNIN REMOVAL

This system uses Anion exchange resin to remove color caused by organic decay - greatly improving aesthetics and preventing costly staining.



Specifications	485TAN-100	485TAN-150	485TAN-200	485TAN-300
Purolite 850 Models*	15010489	15010490	15010491	15010492
Purolite 860 Models*	15011489	15011490	15011491	15011492
<b>Factory Settings - High Capacity</b>				
Salt Used - Per Regeneration	12.0 lbs	18.0 lbs	24.0 lbs	36.0 lbs
Water Used - Regeneration	64.3 gal	90.3 gal	124.6 gal	196.2 gal
Tannins Removal	2000 ppm	3000 ppm	4000 ppm	6000 ppm
Resin Quantity - Cubic Feet	1.0 ft	1.5 ft	2.0 ft	3.0 ft
Tank Size	9x48	10x54	12x52	14x65
Tank Jacket / Media Loaded	Yes	Yes	No	No
Brine Tank / Cabinet Size (Inches)	18.1 x 34.5	20.3 x 37.4	20.3 x 37.4	23.0 x 40.5
Salt Storage Capacity	240 lbs	350 lbs	350 lbs	420 lbs
Recommended Service Flow Rate	3.0 gpm	4.5 gpm	6.0 gpm	9.0 gpm
Flow Rate @ 15 psi Pressure Drop	11.0 gpm	11.2 gpm	12.2 gpm	12.6 gpm
Flow Rate @ 25 psi Pressure Drop	15.0 gpm	15.1 gpm	16.2 gpm	16.6 gpm
Back Wash Flow Rate	2.0 gpm	2.4 gpm	3.5 gpm	5.0 gpm
Shipping Weight	122 lbs	155 lbs	158 lbs	244 lbs
Regeneration Type	Co-Current / Down Flow			
Maximum Tannins	3.0 ppm (Contact Customer Service for higher levels)			
Plumbing Connections	¾" and 1" connections			
Resin Type	Canature Anion Resin			
Electrical Requirements	Input 120V 60 Hz - Output 12V 550mA			
Water Temperature	Min 39 - Max. 100 degrees Fahrenheit			
Water Pressure	Min. 20 - Max. 125 psi			

\* CALL CUSTOMER SERVICE TO DETERMINE CORRECT MODEL. WATER TEST RESULTS REQUIRED

# NOVOCLEAR 485 HTO HARDNESS, TASTE & ODOR REMOVAL

Rid your water of hardness & bad tastes and odor caused by chlorine, chloramines or organic matter.

The unique two tank system keeps the two media beds separate and allows for more carbon contact improving chlorine, chloramines and organic removal.

Because the carbon may need to be replaced before the softening resin, the two tank system allows for replacement without having to change the resin bed unlike many traditional mixed bed systems. Same benefit as separate systems but with cost of only one control valve.



## Features:

- ➔ Dedicated softening & carbon filtration tanks provide truly refined water
- ➔ NSF Certified control valve with electronic sensors, adjustable cycles & proven piston, seal & spacer design
- ➔ Reverse Flow regeneration preserves unused portion of softening bed from unnecessary exchange saving salt
- ➔ Precision brining calculates the exact amount of brine required to regenerate saving up to 30% more salt
- ➔ Backwash Frequency Preset for clean municipal water saves water by matching backwash to water quality need
- ➔ Soft Water brine tank refill keeps tank & injectors clean
- ➔ Automatic system refresh flushes stagnant water
- ➔ NSF Certified fibreglass pressure tank
- ➔ WQA Gold Seal Certified cation resin
- ➔ User-friendly backlit LCD display
- ➔ “No Touch” rotating information display
- ➔ Unique bypass with integrated turbine meter saves space, eliminates connections
- ➔ Time saving quick connect fittings on bypass, drain line, brine line & power cord
- ➔ Drain line o-ring. No need for Teflon
- ➔ Brine safety valve provides added overflow protection
- ➔ Plastic salt grid prevents bridging
- ➔ 48 hour self charging battery back-up
- ➔ Includes hose clamp & 10’ of drain tubing

Specifications	485HTO-100	485HTO-150	485HTO-200	485HTO-300
	15010484	15010485	15010486	15010487
<b>Factory Settings</b>				
Salt Used - Per Regeneration	6.0 lbs	9.0 lbs	12.0 lbs	18.0 lbs
Water Used - Regeneration	86.4 gal	148 gal	162.4 gal	224.8 gal
Hardness Removal - Grains	25,000	37,500	50,000	75,000
Tank #1 Carbon Quantity - Cubic Feet	1.0 ft	1.50 ft	2.0 ft	3.0 ft
Tank #2 Resin Quantity - Cubic Feet	1.0 ft	1.50 ft	2.0 ft	3.0 ft
Tank Size	9x48	10x54	12x52	14x65
Tank Jacket / Media Loaded	Yes	Yes	No	No
Brine Tank / Cabinet Size (Inches)	18.1 x 34.5	18.1 x 34.5	20.3 x 37.4	23.0 x 40.5
Salt Storage Capacity	240 lbs	240 lbs	350 lbs	420 lbs
Flow Rate @ 15 psi Pressure Drop	7.2 gpm	7.4 gpm	9.0 gpm	9.2 gpm
Flow Rate @ 25 psi Pressure Drop	10.0 gpm	10.1 gpm	11.9 gpm	12.1 gpm
Back Wash Flow Rate	2.4 gpm	3.5 gpm	4.0 gpm	5.0 gpm
Shipping Weight	154 lbs	171 lbs	214 lbs	232 lbs
Regeneration Type	Counter Current / Up Flow			
Plumbing Connections	¾" or 1"			
Resin Type	Aquifine 8% High Capacity Ion Exchange Resin			
Carbon Type	Canature Catalytic Carbon			
Electrical Requirements	Input 120V 60 Hz - Output 12V 650mA			
Water Temperature	Min 39 - Max. 100 degrees Fahrenheit			
Water Pressure	Min. 20 - Max. 125 psi			

# NOVO 485 HEDP DUAL PASS SOFTENING SYSTEM

On very hard water supplies (> 75 gpg), a common problem with single tank water softeners is the occurrence of hardness leakage or 'slippage' as the extreme hardness will find a channel through the resin bed.

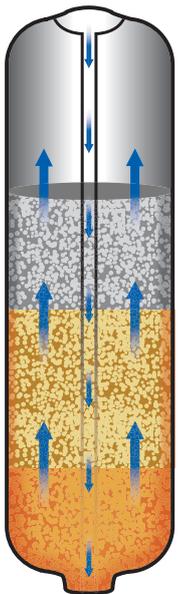
The Novo High-Efficiency Dual Pass (HEDP) Water Softener uses a two tank system to prevent this problem. The first tank acts as the workhorse by significantly reducing the water hardness. The second tank acts as a 'polisher' and prevents slippage as the overpowering high hardness condition has been significantly reduced. This also increases the contact time with the softening resin meaning more consistent, softer water.

Salt efficiency is even more important on high hardness situations. The Novo HEDP offers salt-efficient reverse flow regeneration with precision brining for ultimate salt savings.



## Features:

- Two tank system provides softer, more consistent water quality and prevents hardness slippage which can occur in single tank systems
- Perfect for high hardness (typically > 75 gpg) residential and light commercial applications such as boiler feed systems
- More cost effective than larger single tank systems
- **Reverse Flow Regeneration** preserves unused portion of softening bed from unnecessary exchange saving salt
- **Precision Brining** calculates the exact amount of brine required to regenerate saving up to 30% more salt
- **Backwash Frequency Preset** for clean municipal water saves water by matching backwash to water quality need
- **Soft Water Brine Tank Refill** keeps tank & injectors clean
- **Automatic Vacation Mode** flushes stagnant water



**Reverse flow regeneration** saves salt by pushing the hardness minerals up & out to drain instead of down through the sodium-charged portion of the softener bed needlessly depleting it.

Specifications	485HEDP-100	485HEDP-150	485HEDP-200	485HEDP-250
	15010495	15010496	15010497	15010498
<b>Factory Settings</b>				
Salt Used - Per Regeneration	12.0 lbs	18.0 lbs	24.0 lbs	30.0 lbs
Water Used - Regeneration	86.4 gal	148 gal	162.4 gal	224.8 gal
Hardness Removal - Grains	50,000	75,000	100,000	125,000
Tank #1 Resin Quantity - Cubic Feet	1.0 ft	1.50 ft	2.0 ft	2.5 ft
Tank #2 Resin Quantity - Cubic Feet	1.0 ft	1.50 ft	2.0 ft	2.5 ft
Tank Size	9x48	10x54	12x52	13x54
Tank Jacket / Media Loaded	Yes	Yes	No	No
Brine Tank / Cabinet Size (Inches)	20.3 x 37.4	23.0 x 40.5	23.0 x 40.5	23.0 x 40.5
Salt Storage Capacity	350 lbs	420 lbs	420 lbs	420 lbs
Flow Rate @ 15 psi Pressure Drop	7.2 gpm	7.4 gpm	9.0 gpm	9.2 gpm
Flow Rate @ 25 psi Pressure Drop	10.0 gpm	10.1 gpm	11.9 gpm	12.1 gpm
Back Wash Flow Rate	2.0 gpm	2.4 gpm	3.5 gpm	4.0 gpm
Shipping Weight	184 lbs	201 lbs	244 lbs	262 lbs
Regeneration Type	Counter Current / Up Flow			
Plumbing Connections	¾" or 1"			
Resin Type	Aquafine 8% High Capacity Ion Exchange Resin			
Electrical Requirements	Input 120V 60 Hz - Output 12V 650mA			
Water Temperature	Min 39 - Max. 100 degrees Fahrenheit			
Water Pressure	Min. 20 - Max. 125 psi			

# NOVO 485 NEUTRASOFT TWO TANK WATER CONDITIONING SYSTEM

## Neutralize Corrosiveness & Remove Hardness to Protect Fixtures, Pipes & Appliances

Acidic waters on contact slowly dissolve the Calcite media contained in the first tank to raise the pH which reduces the potential leaching of copper, lead and other metals typically found in plumbing systems.

As the Calcite neutralizes the water, it will increase the hardness of the water. The second tank contains cation exchange resin to remove the hardness leaving you with pH balanced, luxuriously soft water.

### Features:

- 0 Economical two tank system is operated using one control valve. Simplifies installation and lowers cost.
- Dome hole neutralizing tank allows for easy replenishment of consumable calcite media
- Exclusive Novo 485 Series control valve with reliable electronic sensors, piston, seals and spacer technology
- High-efficiency upflow regeneration for ultimate salt savings and softer water
- Time saving quick connect fittings for faster, easier installation
- Factory installed one-piece bypass with incorporated meter
- Fully adjustable cycle times
- Meter Immediate, Meter Delayed, Meter with Day Override
- Integrated turbine meter



- 48 hour self charging battery back-up keeps time-of-day stored while program settings are kept in permanent memory
- Large user friendly color display shows time of day, total remaining capacity, and flow indication
- Simple electronics and programming.
- Lifetime Warranty on NSF Certified tank
- Seven year warranty on NSF Certified control valve



**Dome hole port on tank allows for easy replenishment of Calcite neutralizing media**

Specifications	485 HNU-150
	15010499
Service Flow Rates	
Normal	5.0 gpm
Peak	8.0 gpm
Backwash Flow Rate	5.0 gpm
Filter Media Volume - Cubic Feet	1.5 ft
Resin Quantity - Cubic Feet	1.5 ft
Tank Size	10x54
Tank Jacket / Media Loaded	No
Brine Tank / Cabinet Size (Inches)	18.1 x 34.5
Salt Storage Capacity	240 lbs
Shipping Weight	311 lbs
Regeneration Type	Counter Current / Up Flow
Plumbing Connections	Includes 3/4" 90°Elbows & 1" Straight NPT
Resin Type	Aquafine 8% High Capacity Ion Exchange Resin
pH Adjustment Media	Canature Calcite
Electrical Requirements	Input 120V 60 Hz - Output 12V 650mA
Water Temperature	Min 39 - Max. 100 degrees Fahrenheit
Water Pressure	Min. 20 - Max. 125 psi