

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.

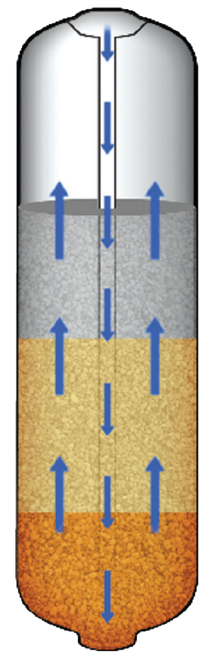
**ENJOY SOFTER,
MORE CONSISTENT
WATER QUALITY**



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
- **Soft Water Recharge Mode** ensures soft water during unusually heavy water usage
- NSF Certified control valve with electronic sensors, adjustable cycles & proven piston, seal & spacer design
- WQA Tested & Certified against CSA B483.1
- NSF Certified fiberglass 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
- Seven Year System Warranty
- Lifetime Pressure Tank Warranty

Specifications	485HEDP-100	485HEDP-150	485HEDP-200	485HEDP-250
	15010495	15010496	15010497	15010498
Factory Settings				
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	3/4" (Optional 1")			
Resin Type	Canature 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			



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.



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