Hydrotech

Single Solution Systems For Multiple Water Problems

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 use mixed beds of a variety of different medias to provide one solution for your water woes.

HEDP Series - *High Hardness*

Two tank system for high hardness (> 75gpg) water. First tank acts as workhorse significantly reducing hardness while second tank acts as polisher. Prevents hardness leakage common in single tank systems.

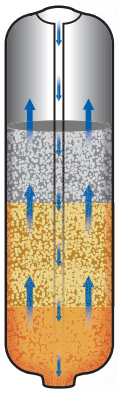
The second tank acts as a 'polisher' and reduces slippage as the overpowering high hardness condition has been significantly reduced. This also increases the contact time with the softener resin therefore more consistent.

Salt efficiency is even more important on high hardness situations. The HEDP Series Softener offers salt-efficient upflow regeneration for ultimate salt savings.

Soft, Luxurious Water

Features:

- Exclusive NSF Certified electronic control valve (systems available with Hydrotech 89, 785, 565 and 765 control valves)
- Two tank system provides softer, more consistent water quality and reduces hardness slippage or channelling 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 (89/785 only)
- UpFlow Regeneration for ultimate salt efficiency (89/785 only)
- Soft water brine tank refill keeps system clean
- NSF Certified control valve & pressure tank
- WQA Gold Seal Certified cation resin
- Brine safety valve provides added overflow protection
- Plastic salt grid prevents bridging
- 48 hour self charging battery back-up
- Includes one-piece bypass integrated meter



Upflow Regeneration 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.

89 valve

- True 1" porting for high flow rates up to 18" systems. Ideal for larger homes.
- Large Backlit LCD display screen with 4 line / 80 character touch pad screen.
- Seven Year Warranty

785 valve

- High flow rates up to 16" systems.
- Rotating 'No Touch' Information Display (i.e. Date last regenerate, volume remaining)
- Seven Year Warranty

565 valve

- Simple user friendly 2 line /32 character display
- Rotating 'No Touch' Information Display (i.e. Date last regenerate, volume remaining)
- Seven Year Warranty
- Available in 100 and 150 sizes only

765 valve

- Simple electronics with index knob to manually initiate regeneration and select cycle position
- Five Year Warranty
- Available in 100 and 150 sizes only

Specifications	HEDP-100	HEDP-150	HEDP-200	HEDP-250	HEDP-300
Salt Used - Per Regeneration	12.0 lbs	18.0 lbs	24.0 lbs	30.0 lbs	36.0 lbs
Water Used - Regeneration	86.4 gal	148 gal	162.4 gal	224.8 gal	259.2 gal
Hardness Removal - Grains	50,000	75,000	100,000	125,000	150,000
Tank #1 Resin Quantity (ft3)	1.0 ft	1.50 ft	2.0 ft	2.5 ft	3.0 ft
Tank #2 Resin Quantity (ft3)	1.0 ft	1.50 ft	2.0 ft	2.5 ft	3.0 ft
Tank Size	9x48	10x54	12x52	13x54	14x65
Tank Jacket / Media Loaded	Yes	Yes	No	No	No
Brine Tank Size (Inches)	23.0 x 40.5	23.0 x 40.5	23.0 x 40.5	29.1 x 50.2	29.1 x 50.2
Salt Storage Capacity	350 lbs	420 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	9.3 gpm
Flow Rate @ 25 psi Pressure Drop	10.0 gpm	10.1 gpm	11.9 gpm	12.1 gpm	11.4 gpm
Back Wash Flow Rate	2.0 gpm	2.4 gpm	3.5 gpm	4.0 gpm	5.0 gpm
Shipping Weight	184 lbs	201 lbs	244 lbs	262 lbs	312 lbs
Regeneration Type	Up Flow (89 /785 Control); Downflow (565 / 765 Control)				
Plumbing Connections	89 Model 1" Straight NPT. Other Models 3/4" 90^0 Elbows & 1" Straight NPT				
Resin Type	Aquafine™ 8% High Capacity Ion Exchange Resin				
Electrical Requirements	Input 120V 60 Hz - Output 12V 650mA				
Water Temperature	Min 39 - Max. 100° F				
Water Pressure	Min. 20 - Max. 125 psi				

Designed, Engineered & Assembled in the U.S.A.

Your Local Water Treatment Professional

Hydrotech

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