

# Hellenbrand

Water Softening

## H151 HE Series

SOFT WATER YOU CAN DEPEND ON



**H-151 HE SERIES**™  
HIGH EFFICIENCY SYSTEM

System for Automatic Discharge Management - U.S. Patent No. 9,862,619  
Method of Water Discharge Management - U.S. Patent No. 9,346,689 B2



## System Applications

- Agriculture and dairies
- Apartment buildings
- Assisted living & CBRF buildings
- Boiler water treatment
- Car washes
- Commercial buildings
- Condominiums
- Factories and hospitals
- Homes and laundries
- Mobile home parks
- Motels and hotels
- Nursing and rest homes
- Office buildings
- Restaurants and schools

## User Friendly and Reliable

- Modular design
- Non-corrosive valve body & internals
- Piston operated
- One piece stack assembly
- Disassemble and reassemble in minutes
- High salt efficiency/low chloride discharge

## System Design Options

- Single
- Parallel
- Twin Alternating
- ProFlo (Up to 4 units) - Progressive Flow
- SystemMate (Up to 6 units)
  - Progressive Flow
  - Alternating
  - Random
  - Series
- Brine Reclaim
- Alternate Source Regen
- No Raw Water Bypass

## Specifications

DEMAND MODEL NAME	HIGH EFFICIENCY SALT SETTING 5000 GRAINS/LB.	LOW SALT SETTING 4800 GRAINS/LB.	SERVICE FLOW RATE @ 15 PSI	PEAK FLOW RATE @ 25 PSI	GALLONS USED PER REGEN	MINERAL TANK (INCHES)	BRINE TANK <sup>1</sup>	
							TANK SIZE (INCHES)	SALT STORAGE (POUNDS)
H151 HE-16	82,500	96,000	25	37	119	16x65	24x50	750
H151 HE-18	99,000	115,200	28	44	147	18x65	24x50	750
H151 HE-21	132,000	153,600	42	55	192	21x62	24x50	750
H151 HE-24	176,500	205,440	51	62	255	24x72	24x50	750
H151 HE-30	277,000	322,560	52	70	400	30x72	30x50	1140

<sup>1</sup>Brine tank selection is for postfill with grid. Suggested brine tank size with grid plate option for low salting. Product improvement designs are subject to change without notice. Refer to Hellenbrand Bulletin 2050 "Flow Rates and Soft Water Quality (Hardness Leakage)" if your application requires that levels of hardness leakage do not exceed "x".

## Features and Benefits

- 1.50" Inlet & Outlet provide higher service flows with less pressure drop
- 1.50" Distributor Pilot
- Level VI, 15V output DC power supply
- Electronic Meter Demand with Calendar Day Override
- Scrolling User Screen shows capacity remaining, time of day and flow rate
- 15-Volt DC relay driver allows 2 dry contact signals
- Service Interval Screen reminds you to call for preventative maintenance service
- Differential Pressure Switch Capability
- Fully Programmable Cycle Position and Times
- Nine Cycle Control
- Soft Water Brine Tank Re-Fill
- Multiple Backwash and Rinse Capabilities
- Quiet Operation
- Variable Reserve automatically adjusts to changing water usage patterns.
- Several programming options including: variable reserve, fixed reserve, calendar day override, delayed or immediate regeneration.
- Diagnostics
  - Days since last regeneration
  - Gallons since last regeneration
  - Gallon reserve capacity last 7 days
  - 63 Days history of daily totals usage
  - Maximum flow rate for the last seven days
  - Total number of regenerations
  - Total days in service
  - Total gallons processed
- Permanent memory backup of all programming
- 2-1/2 years Time of Day Backup
- Uses less than \$2 of electricity per year

## Meter Accuracy

- 1.5" Meter 0.5 - 75 gpm +/- 5%



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