

# HELLENBRAND™

S E R I E S H - 1 0 0

*Enjoy Softened Water Throughout Your Home*



*In the bathroom . . .*



*In the laundry . . .*



*In the kitchen . . .*

## *Economical Water Conditioning System SAVES You Money!*

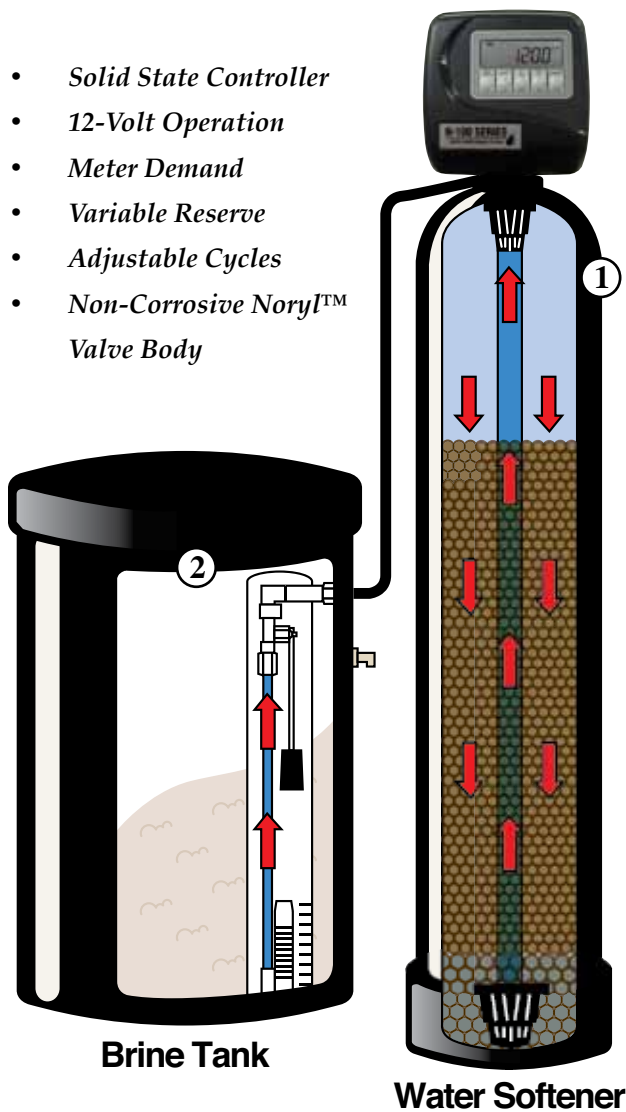
- *Eliminate Soap Scum*
- *Save on Cleaning Products*
- *Clothes Wash Up Cleaner*
- *Soft, Lustrous Hair*
- *Water Using Appliances Last Longer*
- *Increases Water Heater Efficiency*

- *Solid State Controller*
- *12-Volt Operation*
- *Meter Demand*
- *Variable Reserve*
- *Adjustable Cycles*
- *Non-Corrosive Noryl™ Valve Body*



**Hellenbrand®**

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- 12-Volt Operation
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The Hellenbrand Series H-100 water treatment system by Hellenbrand conditions water effectively and economically

- Variable reserve automatically adjusts to your family's changing water-usage patterns.
- Powerful, user-friendly, reliable electronics that automatically monitor many water treatment functions including: Days since last regeneration, gallons since last regeneration, gallon reserve capacity and maximum flow rate for the last seven days, current flow rate, and total number of regenerations.
- 45 Selectable programming options ensure conditioned water for your family's needs
- Noryl™ corrosion-resistant control valve body is durable for long life; all internal components are lead-free.
- Pre-fill brine tank with softened water reduces salt-bridging problems and cleaning of brine tank.
- No need for battery backup
- Permanent memory backup of all programmed settings during power outages.

### How Does A Water Softener Work?

1. Hard water enters your water softener (1) and passes down through the ion exchange resin beads which are charged with sodium ions. The hard water ions (calcium and magnesium) are attracted to the ion exchange resin and an equal amount of sodium ions are bumped off into the water supply. When the water reaches the bottom of the tank, it is softened and ready to be used in your home and business.
2. When the ion exchange resin is saturated with calcium and magnesium (hard water ions) it must be recharged. (2) A strong brine solution enters the tank and flushes the calcium and magnesium ions off the ion exchange resin and attaches itself.
3. A final rinse process ensures that any unused brine is rinsed from the system and your (1) water softener is now fully recharged and ready to provide you with soft water.

### Specifications

DEMAND MODEL NAME	MINERAL CU. FT.	LOW SALT GRAINS/LBS.	CAPACITY MED. SALT GRAINS/LBS.	HIGH SALT GRAINS/LBS.	SERVICE FLOW RATING GPM/PSI	FLOW RATE @ 15 PSI	BACK WASH RATE GPM	MINERAL TANK (INCHES)	BRINE TANK	
									TANK SIZE (INCHES)	SALT STORAGE (POUNDS)
H100-24-BLK	0.75	17,200/4.5	21,040/7.5	24,230/11.5	9.8/10	13.1	1.3	8 x 44	18 x 33	360
H100-32-BLK	1	22,930/6.0	28,060/10.0	32,310/15.0	10.1/10	13.0	1.7	9 x 48	18 x 33	360
H100-32-10-BLK	1	22,930/6.0	28,060/10.0	32,310/15.0	11.3/10	14.5	2.2	10 x 44	18 x 33	360
H100-48-BLK	1.5	34,400/9.0	42,090/15	48,460/22.5	10.5/10	14.1	2.2	10 x 54	18 x 40	360
H100-64	2	45,870/12	56,120/20	64,620/30	14.2/10	18.2	4.2	13 x 54	18 x 40	360
H100-96	3	68,810/18	84,180/30	96,930/45	14.4/10	19.2	4.2	14 x 65	24 x 41	660
H100-128	4	91,750/24	112,240/40	129,240/60	15.1/10	20.1	5.3	16 x 65	24 x 41	660
H100-160	5	114,690/30	140,300/50	161,550/75	17.3/10	22.7	7.5	18 x 65	24 x 50	825
H100-192	6	137,620/36	168,360/60	193,860/90	17.8/10	23.1	7.5	20 x 62	24 x 50	825

As of 6/6/2011, factory setting is low salting; 6.0 lbs per cubic foot of resin for efficient salt use and reduced chloride discharge. Factory settings are programmed for clean, iron-free water such as city water supplies. On water supplies with turbidity and/or iron concentrations greater than 0.5 mg/L or high hardness levels, recommended higher salting levels and second backwash option. 1. H100-64 and larger units come standard with natural mineral tank and black brine tank. 2. Product improvement designs are subject to change without notice.