

Hellenbrand

H151 HE Specifications

Model			H151 HE-16	H151 HE-18	H151 HE-21	H151 HE-24	H151 HE-30
Factory Regeneration Settings							
Cycle 1	Brine Draw UP	Minutes	84	84	116	84	90
		Gallons	47.88	54.6	75.4	54.6	108
Cycle 2	Backwash	Minutes	12	12	12	12	12
		Gallons	38.4	50.4	63.6	90	132
Cycle 3	Rinse	Minutes	8	8	8	8	8
		Gallons	25.6	33.6	42.4	60	88
Cycle 4	Fill	Minutes	3.10	3.7	4.9	6.5	10.5
		Gallons	6.82	8.14	10.78	14.30	23.10
Cycle 5	Optional						
Total Regen Gallons*			118.7	146.7	192.2	218.9	351.1

*Calculations are based on factory medium salt setting @ 35 psi

Refill Lbs	LBS	LBS	LBS	LBS	LBS
High Efficient salt @ 3.3 LBS/ CF	16.5	19.8	26.4	36.3	56.1
Low Salt @ 4 LBS/ CF	20.0	24.0	32.0	44.0	68.0

Refill Minutes	MIN	MIN	MIN	MIN	MIN
High Efficient salt @ 3.3 LBS/ CF	2.5	3.0	4.0	5.4	8.4
Low Salt @ 4 LBS/ CF	3.1	3.7	4.9	6.5	10.5

Capacity - Efficiency	Grains	Grains	Grains	Grains	Grains
Efficient - 5000 grains/lb	82,500	99,000	132,000	181,500	280,500
Low Salt - 4800 grains/lb	96,000	115,200	153,600	211,200	326,400

Service Flow Rates	GPM	GPM	GPM	GPM	GPM
Continuous @ 10 psi loss	25	28	42	51	52
Peak @ 15 psi loss	37	44	55	62	70

Resin Tank Size	16x65	18x65	21x62	24x72	30x72
Recommended Brine Tank Size (Post-Fill)	24x50	24x50	24x50	24x50	30x50
Min/Max salt setting in Lbs	16/59	16/59	16/59	16/59	39/106
**Grid Height	5"	5"	5"	5"	6"
Salt Storage Capacity lbs	749	749	749	749	1140
BLFC on Valve	NO	NO	NO	NO	NO
Safety Brine Valve	474	474	474	474	474
BLFC at Brine Tank	YES	YES	YES	YES	YES
Brine Line Size	1/2"	1/2"	1/2"	1/2"	1/2"
DLFC (gpm)	3.2	4.2	5.3	7.5	11
BLFC (gpm)	2.2	2.2	2.2	2.2	2.2
Injector Size	Violet - B	Red - C	Red - C	Red - C	White - D
Injector Draw Rate @ 35 psi (gpm)	0.37	0.45	0.45	0.45	0.85
Injector Slow Rinse Rate @ 35 psi (gpm)	0.57	0.65	0.65	0.65	1.2
Factory Meter Setting (for single unit)	4,800	5,700	7,600	10,250	16,000
Size of connections					
Inlet / Outlet	1.5"	1.5"	1.5"	1.5"	1.5"
Recommended minimum pipe size					
Drain Line	3/4"	3/4"	3/4"	3/4"	1"
Shipping Weight (includes pallet)	424	520	672	873	1317
Stock Code Number	111217	111218	111297	111693	111868

- Higher Salting may require different Grid height or larger brine tank
^^ 30x50 BT with 6" grid takes 6 hours to make brine with 8 bags of salt minimum
- Factory default settings are shown in bold
- Service Flows are with Hub and Lateral distributors and may be lower with a Stack distributor
- Recommended minimum pipe sizes are copper pipe equivalent, when using PEX increase one nominal size
- Demand Recall set points are factory set at 85% of service flow rate @ 15 psi loss

Upflow high efficiency water softeners are intended for clean water such as municipal supplies or well water applications with proper pre-treatment. Operating parameters are for up to 0.5 ppm iron and 40 gpg hardness.