



# Hellenbrand®

## H200M HE Specifications

Model			H200M HE-16	H200M HE-18	H200M HE-21	H200M HE-24	H200M QC HE-30	H200M QC HE-36	H200M QC HE-42	H200M QC HE-48
Factory Regeneration Settings										
Cycle 1	Brine Draw UP	Minutes	84	84	116	84	90	134	150	160
		Gallons	47.88	54.6	75.4	54.6	108	234.5	360	624
Cycle 2	Backwash	Minutes	12	12	12	12	12	12	12	12
		Gallons	38.4	50.4	63.6	90	132	180	300	336
Cycle 3	Rinse	Minutes	8	8	8	8	8	8	8	8
		Gallons	25.6	33.6	42.4	60	88	120	200	224
Cycle 4	Fill (POST)	Minutes	3.10	3.7	4.9	6.5	10.5	14.5	21.5	26
		Gallons	6.82	8.14	10.78	14.30	23.10	31.90	43.00	52.00
Cycle 5	Optional									
Total Regen Gallons*			118.7	146.7	192.2	218.9	351.1	566.4	903.0	1236.0

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

Refill Lbs	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS
High Efficient salt @ 3.3 LBS/ CF	16.5	19.8	26.4	36.3	56.1	79.2	105.6	128.7	128.7
<b>Low Salt @ 4 LBS/ CF</b>	<b>20.0</b>	<b>24.0</b>	<b>32.0</b>	<b>44.0</b>	<b>68.0</b>	<b>96.0</b>	<b>128.0</b>	<b>156.0</b>	<b>156.0</b>

Refill Minutes	MIN	MIN	MIN	MIN	MIN	MIN	MIN	MIN	MIN
High Efficient salt @ 3.3 LBS/ CF	2.5	3.0	4.0	5.4	8.4	12.0	17.5	21.5	21.5
<b>Low Salt @ 4 LBS/ CF</b>	<b>3.1</b>	<b>3.7</b>	<b>4.9</b>	<b>6.5</b>	<b>10.5</b>	<b>14.5</b>	<b>21.5</b>	<b>26.0</b>	<b>26.0</b>

Capacity - Efficiency	Grains	Grains	Grains	Grains	Grains	Grains	Grains	Grains	Grains
Efficient - 5000 grains/lb	82,500	99,000	132,000	181,500	280,500	396,000	528,000	643,500	643,500
<b>Low Salt - 4800 grains/lb</b>	<b>96,000</b>	<b>115,200</b>	<b>153,600</b>	<b>211,200</b>	<b>326,400</b>	<b>460,800</b>	<b>614,400</b>	<b>748,800</b>	<b>748,800</b>

Service Flow Rates	GPM	GPM	GPM	GPM	GPM	GPM	GPM	GPM	GPM
Continuous @ 10 psi loss	30	34	55	70	75	82	90	93	93
<b>Peak @ 15 psi loss</b>	<b>44</b>	<b>53</b>	<b>73</b>	<b>86</b>	<b>101</b>	<b>106</b>	<b>113</b>	<b>115</b>	<b>115</b>

Resin Tank Size	16x65	18x65	21x62	24x72	30x72	36x72	42x72	48x72
Recommended Brine Tank Size (Post-Fill)	24X50	24X50	24X50	24x50	30x50	30x50	39x48	39x48
Min/Max salt setting in Lbs	16/59	16/59	16/59	16/59	39/106	39/106	54/169	54/169
** Grid Height	5"	5"	5"	5"	6"	6"	6"	6"
Salt Storage Capacity lbs	749	749	749	749	1140	1140	1949	1949
BLFC on Valve	NO	NO	NO	NO	NO	NO	NO	NO
Safety Brine Valve	474	474	474	474	474	474	494	494
BLFC at Brine Tank	YES	YES	YES	YES	YES	YES	YES	YES
Brine Line Size	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1" Hard Pipe
DLFC (gpm)	3.2	4.2	5.3	7.5	11	15	25	28
BLFC (gpm)	2.2	2.2	2.2	2.2	2.2	2.2	2.0	2.0
Injector Size	2R	2S	2S	2S	2A	2B	2C	2D
Factory Meter Setting (for single unit)	4,800	5,700	7,600	10,250	16,000	23,000	30,000	37,000
Size of connections								
Inlet / Outlet	2"	2"	2"	2"	2"	2"	2"	2"
Recommended minimum pipe size								
Drain Line	3/4"	3/4"	3/4"	3/4"	1"	1.5"	1.5"	1.5"
Shipping Weight (includes pallet)								
Stock Code Number								

- Higher Salting may require different Grid height or larger brine tank  
*^^ 39x48 BT with 6" grid takes 6 hours to make brine with 8 bags of salt minimum*
- Factory default setting are shown in bold
- Service Flows are with Hub and Lateral distributors and may be lower with a Stack distributor
- Recommended minimum pipes 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.