



Hellenbrand

H200M Specifications

Model		H200M-60	H200M-90	H200M-120	H200M-150	H200M-150-21	H200M-180	H200M-180-21	H200M-210	H200M-240	H200M-270	H200M-300	H200M-300-30	H200M-450	H200M-600	H200M-750	H200M-900	H200M-1200	
Factory Regeneration Settings																			
Cycle 1	Backwash	Minutes	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
		Gallons	42	42	53	75	90	75	90	130	130	130	200	200	300	400	400	500	500
Cycle 2	Brine Dr DN	Minutes	60	60	68	68	68	68	68	68	68	68	72	72	86	86	86	86	86
		Gallons	45	45	88.4	95.2	95.2	163.2	163.2	163.2	163.2	190.4	190.4	201.6	324	516	602	602	860
Cycle 3	Rinse	Minutes	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
		Gallons	25.2	25.2	31.8	45	54	45	54	78	78	78	120	120	180	240	240	300	300
Cycle 4	Fill	Minutes	6.7	10	6.1	7.6	7.6	9.1	9.1	11	13.5	15	17	17	25	33.5	17	20	27
		Gallons	6.7	10	13.42	16.72	16.72	20.02	20.02	24.2	27	30	34	34	50	67	85	100	135
Cycle 5	Optional																		
Cycle 6	Optional																		
Total Regen Gallons			118.9	122.2	186.62	231.92	255.92	303.22	327.22	331.4	398.2	428.4	432.4	555.6	694	1063	1327	1342	1795
*Calculations are based on factory medium salt setting @ 50 psi																			
Refill Lbs / Minutes		Lbs. Min.																	
Efficient salt			10/3.4	15/5.0	20/3.1	25/3.8	25/3.8	30/4.6	30/4.6	35/5.4	40/6.7	45/7.5	50/8.4	50/8.4	75/12.5	100/17.0	125/8.4	150/10.0	200/13.5
Low Salt			12/4.0	18/6.0	24/3.7	30/4.6	30/4.6	36/5.5	36/5.5	42/6.4	48/8.0	54/9.0	60/10.0	60/10.0	90/15.0	120/20.0	150/10.0	180/12.0	240/16.0
Medium Salt			20/6.7	30/10.0	40/6.1	50/7.6	50/7.6	60/9.1	60/9.1	70/11.0	80/13.5	90/15.0	100/17.0	100/17.0	150/25.0	200/33.5	250/17.0	300/20.0	400/27.0
High salt			30/10.0	45/15.0	60/9.1	75/11.5	75/11.5	90/14.0	90/14.0	105/16.0	120/20.0	135/22.5	150/25.0	150/25.0	225/37.5	300/50.0	375/25.0	450/30.0	600/40.0
Capacity - Efficiency																			
Efficient - 4000 grains/lb			40,000	60,000	80,000	100,000	100,000	120,000	120,000	140,000	160,000	180,000	200,000	200,000	300,000	400,000	500,000	600,000	800,000
low Salt - 3821 grains/lb			45,852	68,778	91,704	114,630	114,630	137,556	137,556	160,482	183,408	206,334	229,260	229,260	343,890	458,520	573,150	687,780	917,040
Medium Salt - 2800 grains/lb			56,000	84,000	112,000	140,000	140,000	168,000	168,000	196,000	224,000	252,000	280,000	280,000	420,000	560,000	700,000	840,000	1,120,000
High Salt - 2133 grains/lb			63,990	95,985	127,980	159,975	159,975	191,970	191,970	223,965	255,960	287,955	319,950	319,950	479,925	639,900	799,875	959,850	1,279,800
Service Flow Rates *																			
Continuous @ 15 psi loss			39	39	47	53	72	51	70	66	76	74	73	89	84	93	98	96	98
Peak @ 25 psi loss			49	50	60	69	94	66	91	85	98	96	94	115	109	119	127	120	127
Flint Underbed (Lbs)																			
			30	35	40	60	75	60	75	75	100	100	100	200	200	300/100	500/100	500/100	500/200
High Capacity Resin (Cu. Ft.)			2	3	4	5	5	6	6	7	8	9	10	10	15	20	25	30	40
Resin Tank Size			13x54	14x65	16x65	18x65	21x62	18x65	21x62	21x62	24x72	24x72	24x72	30x72	30x72	36x72	42x72	42x72	48x72
Recommended Brine Tank Size			18X40	18X40	24X50	24X50	24X50	24X50	24X50	24X50	24X50	24X50	24X50	30X50	39x48	42x60	50x60	50x60	50x60
Min/Max salt setting in Lbs			6/28	16/34	29/81	29/81	29/81	29/81	29/81	46/92	54/101	66/107	78/114	78/114	85/158	109/246	162/376	153/493	357/601
** Optional Grid Height			5"	8"	6"	6"	6"	6"	6"	9"	11"	13"	15"	15"	11"	9"	11"	8"	16"
Salt Storage Capacity in LBS			361	330	806	806	806	806	806	751	714	678	641	641	1116	1886	2748	4133	3497
BLFC on Valve			YES	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Brine Valve			474	474	474	474	474	474	474	494	494	494	494	494	494	494	494	494	494
BLFC at Brine Tank			NO	NO	YES IN 474	YES IN 474	YES IN 474	YES IN 474	YES IN 474	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Brine Line Size			3/8"	3/8"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1" Pipe	1" Pipe	1" Pipe	1" Pipe	1" Pipe
DLFC (gpm)			4.2	4.2	5.3	7.5	9	7.5	9	9	13	13	13	20	30	40	40	50	50
BLFC (gpm)			1	1	2.2	2.2	2.2	2.2	2.2	2.2	2.0 FLECK	2.0 FLECK	2.0 FLECK	2.0 FLECK	2.0 FLECK	5.0 FLECK	5.0 FLECK	5.0 FLECK	5.0 FLECK
Injector Size			S-RED	S-RED	T-WHITE	U-BLUE	U-BLUE	U-BLUE	U-BLUE	U-BLUE	2-C	2-C	2-C	2-C	2-E	2-F	2-F	2-F	2-G
Injector Draw Rate @ 50 psi (gpm)			0.55	0.55	0.65	1	1	1.7	1.7	1.7	1.7	2.1	2.1	2.1	3.5	4.5	5.2	5.2	7
Injector Slow Rinse Rate @ 50 psi (gpm)			0.75	0.75	1.3	1.4	1.4	2.4	2.4	2.4	2.4	2.8	2.8	2.8	4.5	6	7	7	10
Factory Meter Setting (for single unit)			2,800	4,200	5,600	7,000	7,000	8,400	8,400	9,800	11,200	12,600	14,000	14,000	21,000	28,000	35,000	42,000	56,000
Size of connections																			
Inlet / Outlet			2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"
Drain line			3/4"	3/4"	3/4"	3/4"	3/4"	1"	1"	1"	1"	1"	1"	1"	1.5"	1.5"	1.5"	1.5"	1.5"
Brine Line			3/8" Poly	3/8" Poly	1/2" Poly	1/2" Poly	1/2" Poly	1/2" Poly	1/2" Poly	1/2" Poly	1/2" Poly	1/2" Poly	1/2" Poly	1/2" Poly	1" Pipe	1" Pipe	1" Pipe	1" Pipe	1" Pipe
Recommended minimum pipe size																			
Drain Line			3/4"	3/4"	3/4"	3/4"	1"	3/4"	1"	1"	1"	1"	1"	1.5"	1.5"	1.5"	1.5"	1.5"	1.5"
Brine Line			3/8"	3/8"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1"	1"	1"	1"	1"	1"
Shipping Weight (LBS)			258	315	415	498	550	549	601	652	768	819	870	1075	1363	1825	2628	2936	3573
Stock Code Number			107631	107632	107633	107634	108109	107635	108110	107636	107637	107638	107639	108111	107640	107641	107642	107643	107645

** High Salting may require optional grid or larger brine tank

Factory default setting are shown in bold

* Service Flows are with Hub and Lateral distributors and may be lower with a Stack distributor

Demand Recall set points are factory set at 85% of service Flow Rate

Factory meter GALLON setting is 2/3 of capacity divided by 20 g/g of hardness for single softeners

Recommended minimum pipes sizes are copper pipe equivalent, when using PEX increase one nominal size

*Shipping weights include skids

Additional foot notes will be added to specific spec sheets such as "HE" or "High Backwash" etc.

Timer program settings may not match calculated capacity values, if this is the case be conservative and use next lowest value

Hellenbrand products are not for sale or distribution into the State of California effective 8/31/18.