

Hellenbrand

H200M Specifications Post Fill

Model			H200M-60	H200M-90	H200M-120	H200M-150	H200M-150-21	H200M-180
Factory Regeneration Settings								
Cycle 1	Backwash	Minutes	10	10	10	10	10	10
		Gallons	42	42	53	75	90	75
Cycle 2	Brine Draw DN	Minutes	60	60	68	68	68	68
		Gallons	45	45	88.4	95.2	95.2	163.2
Cycle 3	Rinse	Minutes	6	6	6	6	6	6
		Gallons	25.2	25.2	31.8	45	54	45
Cycle 4	Fill	Minutes	6.7	10	6.1	7.6	7.6	9.1
		Gallons	6.7	10	13.42	16.72	16.72	20.02
Cycle 5	Optional	Minutes						
		Gallons						
Cycle 6	Optional	Minutes						
		Gallons						
Total Regen Gallons			118.9	122.2	186.62	231.92	255.92	303.22

*Calculations are based on factory medium salt setting @ 50 psi

Refill Lbs / Minutes	Lbs.	Min.	Lbs.	Min.	Lbs.	Min.	Lbs.	Min.	Lbs.	Min.		
Efficient salt @ 5 LBS	10	3.4	15	5.0	20	3.0	25	3.8	25	3.8	30	4.6
Low Salt @ 7.5 LBS	15	5.0	22.5	7.5	30	4.5	37.5	5.7	37.5	5.7	45	6.9
Medium Salt @ 10 LBS	20	6.7	30	10.0	40	6.1	50	7.6	50	7.6	60	9.1
High salt @ 15 LBS	30	10.0	45	15.0	60	9.1	75	11.5	75	11.5	90	14.0

Capacity - Efficiency						
Efficient - 4100 grains/lb	41,000	61,500	82,000	102,500	102,500	123,000
Low Salt - 3300 grains/lb	49,500	74,250	99,000	123,750	123,750	148,500
Medium Salt - 2800 grains/lb	56,000	84,000	112,000	140,000	140,000	168,000
High Salt - 2100 grains/lb	63,000	94,500	126,000	157,500	157,500	189,000

Service Flow Rates						
Continuous @ 15 psi loss	38	39	47	53	72	51
Peak @ 25 psi loss	49	50	60	69	94	66

Flint Underbed (Lbs)	30	35	50	60	75	60
High Capacity Resin (Cu. Ft.)	2	3	4	5	5	6
Resin Tank Size	13x54	14x65	16x65	18x65	21x62	18x65
Recommended Brine Tank Size	18X40	18X40	24X50	24X50	24X50	24X50
Min/Max salt setting in Lbs	12/29	22/32	29/69	29/69	29/69	29/69
Grid Height	5"	8"	6"	6"	6"	6"
Salt Storage Capacity lbs	294	265	731	731	731	731
BLFC on Valve	YES	YES	NO	NO	NO	NO
Safety Brine Valve	474	474	474	474	474	474
BLFC Location	VALVE	VALVE	BT Elbow	BT Elbow	BT Elbow	BT Elbow
Brine Line Size	3/8"	3/8"	1/2"	1/2"	1/2"	1/2"
DLFC (gpm)	4.2	4.2	5.3	7.5	9	7.5
BLFC (gpm)	1	1	2.2	2.2	2.2	2.2
Injector Size	S-RED	S-RED	T-WHITE	U-BLUE	U-BLUE	2-B
Injector Draw Rate @ 50 psi (gpm)	0.55	0.55	0.65	1	1	1.7
Injector Slow Rinse Rate @ 50 psi (gpm)	0.75	0.75	1.3	1.4	1.4	2.4
Factory Meter Setting (for single unit)	2,700	4,050	5,400	6,700	6,700	8,100
Inlet / Outlet connection size	2"	2"	2"	2"	2"	2"
Drain Line minimum pipe size	3/4"	3/4"	3/4"	3/4"	1"	3/4"
Shipping Weight (includes pallet)	258	315	415	498	550	549
Stock Code Number	107631	107632	107633	107634	108109	107635

- 1 High Salting may require different grid height and/or larger brine tank
- 2 Factory default setting are shown in bold
- 3 Service Flows are with Hub and Lateral distributors and may be lower with a Stack distributor
- 4 Recommended minimum pipes sizes are copper pipe equivalent, when using PEX increase one nominal size
- 5 Demand Recall set points are factory set at 85% of service Flow Rate



H200M Specifications Post Fill

Model			H200M-180-21	H200M-210	H200M-240	H200M-300	H200M QC-300-30	H200M QC-450
Factory Regeneration Settings								
Cycle 1	Backwash	Minutes	10	10	10	10	10	10
		Gallons	90	90	130	130	200	200
Cycle 2	Brine Draw DN	Minutes	68	68	68	68	72	72
		Gallons	163.2	163.2	163.2	190.4	201.6	324
Cycle 3	Rinse	Minutes	6	6	6	6	6	6
		Gallons	54	54	78	78	120	120
Cycle 4	Fill	Minutes	9.1	11	13.5	17	17	25
		Gallons	20.02	24.2	27	34	34	50
Cycle 5	Optional	Minutes						
		Gallons						
Cycle 6	Optional	Minutes						
		Gallons						
Total Regen Gallons			327.22	331.4	398.2	432.4	555.6	694
*Calculations are based on factory medium salt setting @ 50 psi								
Refill Lbs / Minutes			Lbs. Min.	Lbs. Min.	Lbs. Min.	Lbs. Min.	Lbs. Min.	Lbs. Min.
Efficient salt @ 5 LBS			30/4.6	35/5.3	40/6.7	50/8.4	50/8.4	75/12.5
Low Salt @ 7.5 LBS			45/6.9	52.5/8.0	60/10	75/12.5	75/12.5	112.5/19.0
Medium Salt @ 10 LBS			60/9.1	70/11.0	80/13.5	100/17	100/17	150/25.0
High salt @ 15 LBS			90/14.0	105/16.0	120/20	150/25	150/25	225/37.5
Capacity - Efficiency								
Efficient - 4100 grains/lb			123,000	143,500	164,000	205,000	205,000	307,500
Low Salt - 3300 grains/lb			148,500	173,250	198,000	247,500	247,500	371,250
Medium Salt - 2800 grains/lb			168,000	196,000	224,000	280,000	280,000	420,000
High Salt - 2100 grains/lb			189,000	220,500	252,000	315,000	315,000	472,500
Service Flow Rates								
3	Continuous @ 15 psi loss		70	66	76	73	92	88
5	Peak @ 25 psi loss		91	85	98	94	120	113
Flint Underbed (Lbs)								
			75	75	100	100	200	200
High Capacity Resin (Cu. Ft.)			6	7	8	10	10	15
Resin Tank Size			21x62	21x62	24x72	24x72	30x72	30x72
Recommended Brine Tank Size			24X50	24x50	24X50	24X50	24X50	30X50
1	Min/Max salt setting in Lbs		29/69	46/81	53/88	77/104	77/104	116/158
Optional Grid Height			6"	9"	11"	15"	15"	15"
Salt Storage Capacity lbs			731	677	630	560	560	889
BLFC on Valve			NO	NO	NO	NO	NO	NO
Safety Brine Valve			474	474	494	494	494	494
BLFC Location			BT Elbow	BT Elbow	BT External	BT External	BT External	BT External
Brine Line Size			1/2"	1/2"	1/2"	1/2"	1/2"	1" Pipe
DLFC (gpm)			9	9	13	13	20	20
BLFC (gpm)			2.2	2.2	2.0	2.0	2.0	2.0
Injector Size			2-B	2-B	2-B	2-C	2-C	2-C
Injector Draw Rate @ 50 psi (gpm)			1.7	1.7	1.7	2.1	2.1	3.5
Injector Slow Rinse Rate @ 50 psi (gpm)			2.4	2.4	2.4	2.8	2.8	4.5
Factory Meter Setting (for single unit)			8,100	9,400	10,750	13,500	13,500	20,250
Inlet / Outlet connection size			2"	2"	2"	2"	2"	2"
4	Drain Line minimum pipe size		1"	1"	1"	1"	1.5"	1.5"
Shipping Weight (includes pallet)			601	652	768	870	1075	1363
Stock Code Number			108110	107636	107637	107639	Quote Required	Quote Required

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- 5 Demand Recall set points are factory set at 85% of service Flow Rate @ 15 PSI Loss



H200M Specifications Post Fill

Model			H200M QC-600	H200M QC-750	H200M QC-900	H200M QC-1200
Factory Regeneration Settings						
Cycle 1	Backwash	Minutes	10	10	10	10
		Gallons	300	400	400	500
Cycle 2	Brine Draw DN	Minutes	86	86	86	86
		Gallons	516	602	602	860
Cycle 3	Rinse	Minutes	6	6	6	6
		Gallons	180	240	240	300
Cycle 4	Fill	Minutes	33.5	17	20	27
		Gallons	67	85	100	135
Cycle 5	Optional	Minutes				
		Gallons				
Cycle 6	Optional	Minutes				
		Gallons				
Total Regen Gallons			1063	1327	1342	1795

*Calculations are based on factory medium salt setting @ 50 psi

Refill Lbs / Minutes	Lbs.	Min.	Lbs.	Min.	Lbs.	Min.	Lbs.	Min.
Efficient salt @ 5 LBS	100	17.0	125	8.4	150	10.0	200	13.5
Low Salt @ 7.5 LBS	150	25.0	187.5	12.5	225	15.0	300	20.0
Medium Salt @ 10 LBS	200	33.5	250	17.0	300	20.0	400	27.0
High salt @ 15 LBS	300	50.0	375	25.0	450	30.0	600	40.0

Capacity - Efficiency				
Efficient - 4100 grains/lb	410,000	512,500	615,000	820,000
Low Salt - 3300 grains/lb	495,000	618,750	742,500	990,000
Medium Salt - 2800 grains/lb	560,000	700,000	840,000	1,120,000
High Salt - 2100 grains/lb	630,000	787,500	945,000	1,260,000

3	Service Flow Rates				
5	Continuous @ 15 psi loss	97	106	104	105
	Peak @ 25 psi loss	126	137	130	136

	Flint Underbed (Lbs)	400	600	600	800
	High Capacity Resin (Cu. Ft.)	20	25	30	40
	Resin Tank Size	36x72	42x72	42x72	48x72
	Recommended Brine Tank Size	39x48	42x60	50x60	50x60
1	Min/Max salt setting in Lbs	132/223	143/310	127/384	331/525
	Optional Grid Height	11"	11"	8"	16"
	Salt Storage Capacity lbs	1711	2653	4012	3383
	BLFC Location	BT External	BT External	BT External	BT External
	Safety Brine Valve	494	494	494	494
	BLFC at Brine Tank	YES	YES	YES	YES
	Brine Line Size	1" Pipe	1" Pipe	1" Pipe	1" Pipe
	DLFC (gpm)	30	40	40	50
	BLFC (gpm)	2	5	5	5
	Injector Size	2-D	2-E	2-E	2-F
	Injector Draw Rate @ 50 psi (gpm)	3.5	4.5	4.5	5.2
	Injector Slow Rinse Rate @ 50 psi (gpm)	4.5	6	6	7
	Factory Meter Setting (for single unit)	27,000	33,000	40,000	54,000
	Inlet / Outlet Connection Size	2"	2"	2"	2"
	Drain line	1.5"	1.5"	1.5"	1.5"
	Brine Line	1" Pipe	1" Pipe	1" Pipe	1" Pipe
4	Drain Line minimum pipe size	1.5"	1.5"	1.5"	1.5"
	Brine Line minimum pipe size	1"	1"	1"	1"
	Shipping Weight (includes pallet)	1825	2628	2936	3573
	Stock Code Number	Quote Required	Quote Required	Quote Required	Quote Required

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