

Hellenbrand

H151 Specifications (Post Fill)

Model			H151-60	H151-90	H151-120	H151-150	H151-150-21	H151-180
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	78	95.2	132.6	132.6	170
Cycle 3	Rinse	Minutes	6	6	6	6	6	6
		Gallons	25	25	32	45	54	45
Cycle 4	Fill	Minutes	13.5	20	6.1	7.6	7.6	9.1
		Gallons	6.75	10	13.42	16.72	16.72	20.02
Cycle 5	Optional	Minutes						
		Gallons						
Cycle 6	Optional	Minutes						
		Gallons						
Total Regen Gallons			118.75	155	193.62	269.32	293.32	310.02

*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	10/6.7	15/10.0	20/3.1	25/3.8	25/3.8	30/4.6
Low Salt @ 7.5 LBS	15/10.0	22.5/15.0	30/4.6	37.5/5.7	37.5/5.7	45/6.8
Medium Salt @ 10 LBS	20/13.5	30/20.0	40/6.1	50/7.6	50/7.6	60/9.1
High salt @ 15 LBS	30/20.0	45/30.0	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	35	35	40	44	52	43
Peak @ 25 psi loss	45	46	51	57	67	56

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 Locaton	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)	0.5	0.5	2.2	2.2	2.2	2.2
Injector Size	C-RED	D-WHITE	E-BLUE	F-YELLOW	F-YELLOW	G-GREEN
Injector Draw Rate @ 50 psi (gpm)	0.55	0.65	1	1.3	1.3	1.8
Injector Slow Rinse Rate @ 50 psi (gpm)	0.75	1.3	1.4	1.95	1.95	2.5
Factory Meter Setting (for single unit)	2,700	4,050	5,400	6,700	6,700	8,100
Inlet / Outlet connection size	1.5"	1.5"	1.5"	1.5"	1.5"	1.5"
Drain Line - minimum pipe size	3/4"	3/4"	3/4"	3/4"	1"	3/4"
Shipping Weight (includes pallet)	234	301	379	478	539	538
Stock Code Number	107597	107598	107599	107600	108103	107601

- High Salting may require different grid height and/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
- 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

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Hellenbrand

H151 Specifications (Post Fill)

Model			H151-180-21	H151-210	H151-240	H151-300	H151-300-30	H151-450
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	170	170	224.4	224.4	237.6	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			334.02	338.2	459.4	466.4	591.6	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	35/5.4	40/6.7	50/8.4	50/8.4	75/12.5
Low Salt @ 7.5 LBS			45/6.8	52.5/8.0	60/10.0	75/12.5	75/12.5	112.5/19.0
Medium Salt @ 10 LBS			60/9.1	70/11.0	80/13.5	100/17.0	100/17.0	150/25.0
High salt @ 15 LBS			90/14.0	105/16.0	120/20.0	150/25.0	150/25.0	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
3	Service Flow Rates							
5	Continuous @ 15 psi loss		51	50	55	53	60	58
	Peak @ 25 psi loss		65	64	71	68	78	75
1	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
	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" Pipe	1" Pipe
	DLFC (gpm)		9	9	13	13	20	20
	BLFC (gpm)		2.2	2.2	2.0 FLECK	2.0 FLECK	2.0 FLECK	2.0 FLECK
	Injector Size		G-GREEN	G-GREEN	H-ORANGE	H-ORANGE	H-ORANGE	I-GREY
	Injector Draw Rate @ 50 psi (gpm)		1.8	1.8	2.2	2.2	2.2	3.1
	Injector Slow Rinse Rate @ 50 psi (gpm)		2.5	2.5	3.3	3.3	3.3	4.5
	Factory Meter Setting (for single unit)		8,100	9,400	10,750	13,500	13,500	20,250
	Inlet / Outlet connection size		1.5"	1.5"	1.5"	1.5"	1.5"	1.5"
4	Drain Line minimum pipe size		1"	1"	1"	1"	1.5"	1.5"
	Shipping Weight (includes pallet)		590	641	757	859	1062	1348
	Stock Code Number		108104	107602	107603	107605	109744	109745

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