



Greensand Plus

H125, H151, H200, H300 Series

GreensandPlus™ is an efficient and economical media for the reductions of dissolved iron, hydrogen sulfide and manganese compounds. GreensandPlus™ offers a long material life. The system is regenerated with either chlorine or potassium permanganate solutions and requires periodic backwashing.



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H125, H151, H200, H300 Series Greensand Plus Filters

MODEL	PIPE SIZE	CF MEDIA	TANK SIZE	WATER QUALITY			BACK WASH FLOW RATE	DIMENSIONS ¹					EST. SHIP WT. LBS.	CAPACITY ppm Fe Equivalent***	
				SUPERIOR	HIGH	UTILITY		TOTAL H ²	INLET I	OUTLET O	DRAIN D	WIDTH W		CR	IR
H125-GSP10-1	1.25	1	10x44v	2	2	3	7	51	46	46	50	11	150	10,900	5,000
H125-GSP10-1.5	1.25	1.5	10x54v	2	2	3	7	63	57	57	58	11	210	10,900	7,500
H125-GSP13-2.5	1.25	2.5	13x54v	3	4	5	11	63	57	57	58	14	350	18,400	12,500
H125-GSP14-3	1.25	3	14x65v	4	4	5	13	74	68	68	69	15	430	21,300	15,000
H125-GSP16-4	1.25	4	16x65v	5	6	7	17	74	67	70	68	17	550	27,900	20,000
H125-GSP18-5	1.25	5	18x65	6	7	9	20	76	68	71	69	19	740	35,300	25,000
H151-GSP14-3	1.5	3	14x65	4	4	5	13	74	68	69	70	15	430	21,300	15,000
H151-GSP16-4	1.5	4	16x65	5	6	7	17	74	68	69	70	17	560	27,900	20,000
H151-GSP18-5	1.5	5	18x65	6	7	9	20	76	69	70	71	19	750	35,300	25,000
H151-GSP21-7	1.5	7	21x62	8	10	12	30	72	65	67	67	22	1260	48,000	40,000
H151-GSP24-10	1.5	10	24x72	11	13	16	40	82	75	76	77	25	1490	62,800	60,000
FH200-GSP14-3	2	3	14x65	4	4	5	13	78	69	69	78	15	440	21,300	15,000
H200-GSP16-4	2	4	16x65	5	6	7	17	78	39	69	78	17	570	27,900	20,000
H200-GSP18-5	2	5	18x65	6	7	9	20	80	71	71	80	19	760	35,300	25,000
H200-GSP21-7	2	7	21x62	8	10	12	30	80	71	71	80	22	1140	48,000	40,000
H200-GSP24-10	2	10	24x72	11	13	16	40	88	79	79	88	25	1650	62,800	60,000
H200-GSP30-15	2	15	30x72	17	20	25	60	89	80	80	89	31	2320	98,100	80,000
H200-GSP36-20	2	20	36x72	25	28	35	85	87	81	85	83	37	3140	141,300	110,000
H300-GSP36-20	3	20	36x72	25	28	35	85	104	76	96	100	37	3210	141,300	110,000
H300-GSP42-30	3	30	42x72	34	38	48	115	109	102	102	105	43	4890	192,300	170,000
H300-GSP48-40	3	40	48x73	44	50	63	150	109	102	102	105	43	6240	251,200	230,000

¹All dimensions are typical, but subject to change without notice.

²Allow additional 12" for media loading

³Available in top-mount or side-mount

- Service & backwash flow rates are based on 55°F incoming water temperature.
- Pressure range: 40-100 PSI
- Temperature range: 40-100°F
- pH range: 6.2-8.5, Ideal is 6.5 or greater

These systems require Chlorine or Potassium Permanganate for regeneration. Regenerate may be fed in proportionally for continuous regeneration or intermittently during backwashing/rinsing regeneration

Operating Parameters - As a general rule, lower flow rates produce higher quality water and large volume of treated water between backwashing. The application parameters on this sheet are suggestions. For critical applications a pilot study should be performed to validate water quality/production.

Superior

- High Contaminate Levels
- Quality-Critical Applications
- Low Pressure Loss

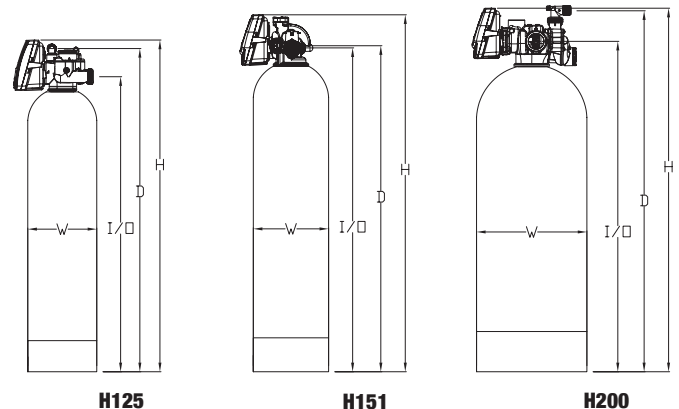
High

- Medium Contaminate Levels
- Non-Critical Applications

Utility

- Low Contaminate Levels
- Non-Critical Applications
- High Pressure Loss

Media: Anthracite, GreensandPlus, Support Bed



*The flow rate parameters on the chart are suggested starting points.

*For critical applications a pilot study should be performed to validate water quality/production

**Based on 55°F. Temperatures under 55°F or over 60°F may need DLFC adjustments.

***Fe Equivalent – CR – Continuous Regeneration = (1.0 x Fe) + (2.0 Mg) + (0.5 x H2S)

***Fe Equivalent – IR – Intermittent Regeneration = (1.0 x Fe) (2.0 x Mg) + (5.0 x H2S)

Consult Hellenbrand's Engineering Department for additional sizes, modifications, steel tanks or special applications.

Hellenbrand®

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