

H125/H151/H200M/H200/H300 Series Birm Filter Systems



The H-Series Family H125, H151, H200, H200M, H300

Birm Filtration Systems

Birm is an efficient and economical media for the reduction of dissolved iron and manganese compounds. Acts as a catalyst between dissolved oxygen and undesirable compounds. Birm offers a long material life and only requires periodic backwashing.

Water quality parameters: pH 6.8-9.0; free chlorine less than 0.5 mg/l; hydrogen sulfide less than 0.1 mg/l; dissolved oxygen should equal at least 15% of iron and manganese content; alkalinity should be greater than 2 times sulfate and chloride content.


Hellenbrand[®]

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MODEL	PIPE SIZE	CF FILTER MEDIA	TANK SIZE	WATER QUALITY			BACK WASH FLOW RATE	DIMENSIONS ¹					EST. SHIP WT. LBS.
				SUPERIOR	HIGH	UTILITY		TOTAL H ²	INLET I	OUTLET O	DRAIN D	WIDTH W	
H125-BR-10-1	1.25	1	10x44	2	2	3	7	51	46	46	50	11	120
H125-BR-10-1.5	1.25	1.5	10x54	2	2	3	7	63	57	57	58	11	140
H125-BR-13-2	1.25	2	13x54	3	4	5	11	63	57	57	58	14	200
H125-BR-14-3	1.25	3	14x65	4	4	5	13	74	68	68	69	15	275
H125-BR-16-4	1.25	4	16x65	5	6	7	17	74	67	70	68	17	400
H125-BR-18-5	1.25	5	18x65	6	7	9	20	76	68	71	69	19	440
H151-BR-14-3	1.5	3	14x65	4	4	5	13	74	68	69	70	15	285
H151-BR-16-4	1.5	4	16x65	5	6	7	17	74	68	69	70	17	360
H151-BR-18-5	1.5	5	18x65	6	7	9	20	76	69	70	71	19	450
H151-BR-21-6	1.5	6	21x62	8	10	12	30	72	65	67	67	22	520
H151-BR-24-8	1.5	8	24x72	11	13	16	40	82	75	76	77	25	820
H200M-BR-14-3	2	3	14x65	4	4	5	13	78	69	69	78	15	300
H200M-BR-16-4	2	4	16x65	5	6	7	17	78	69	69	78	17	425
H200M-BR-18-5	2	5	18x65	6	7	9	20	80	71	71	80	19	465
H200M-BR-21-6	2	6	21x62	8	10	12	30	80	71	71	80	22	550
H200M-BR-24-8	2	8	24x72	11	13	16	40	88	79	79	88	25	845
H200M-BR-30-15	2	15	30x72	17	20	25	60	89	80	80	89	31	1200
H200-BR-24-8 ³	2	8	24x72	11	13	16	40	89	83	87	85	25	900
H200-BR-30-15 ³	2	15	30x72	17	20	25	60	86	80	84	82	31	1200
H200-BR-36-20 ³	2	20	36x72	25	28	35	85	87	81	85	83	37	1500
H300-BR-36-20 ³	3	20	36x72	25	28	35	85	104	76	96	100	37	1600
H300-BR-42-30 ³	3	30	42x72	34	38	48	115	109	102	102	105	43	1900
H300-BR-48-40 ³	3	40	48x72	44	50	63	150	109	102	102	105	43	2500

¹All dimensions are ± 1"

²Allow additional 12" for media loading

³Available in top-mount or side-mount

- Service and backwash flow rates are based on 50°F incoming water temperature.
- Operating parameters - pressure range 40-100 PSI; temperature range 40°-110°F.
- Product improvement designs are subject to change without notice

As a general rule - Lower flows produce higher quality water and a larger volume of treated water between backwashing.

Superior

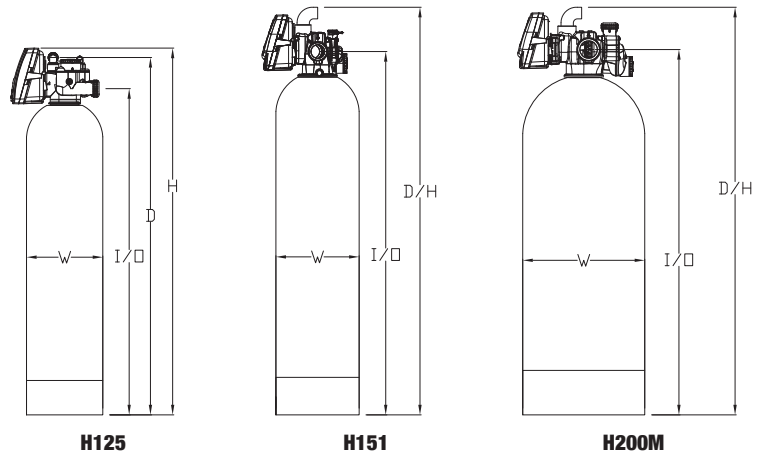
- Recommended for most filtering applications under all operating conditions.
- Best quality water
- Maximum time on line between backwashing
- Lowest pressure loss
- Recommended for influent suspended solids loads up to and greater than 300 ppm.

High

- Well suited for many filtering applications
- Very good quality water
- Moderate time on line between backwashing
- Increased pressure loss
- Recommended for influent suspended solids loads less than 300 ppm.

Utility

- Flow rates listed are at peak design - operation at higher flow rates not recommended
- Satisfactory water quality
- Shorter on line time
- Higher pressure loss
- Recommended for influent suspended solids loads less than 150 ppm.



Consult Hellenbrand's engineering department for additional sizes, modifications or special applications.

www.hellenbrand.com

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

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