



Propeller Bead® Filter Specifications for Biological and Mechanical Filtration

Model	Media Volume (ft ³)	Bead Retention Screen Diameter (in)	Surface Area (ft ²)	Max Flow Rate (gpm)	Max Pressure (psi)	Backwash Water loss (US gal)	Mixing Motor (Hp/Phase/V/Hz) Amps	FIPT Inlet/Outlet (inches)	Height/Diameter of Unit (inches)	Ship Weight (lbs)
Standard Filters										
3PE ¹	3	16	1,200	30	10	5-10	.33/1/11/208 -230/60 Amps 6.6/3.1 -3.3	1.5/2	63.25/33	275
5	5	11.5	2,000	50	20	5-10	.5/1/115/208 -230/60 Amps 8.8/4.2 -4.4	2/2	76/34	425
10	10	18	4,000	100	20	10-30	1/1/115/208 -230/60 Amps 14/7	2/3	87/40	750
25	25	24	10,000	200	20	30-60	2/1/115/208 -230/60 Amps 18.8/9.4 -10	3/3	105.5/59	1700
50	50	36	20,000	300	20	50-150	5/3/208 -230/460/60 Amps 16-13.2/6.6	4/(2) X 4	117/72	3250
100	100	48	40,000	600	20	100-200	10/3/230/460/60 Amps 28-14	6/(2) X 6	150/92	6000
High Flow Filters										
3F ²	3	16	1,200	75	20	5-10	.33/1/115/208 -230/60 Amps 6.6/3.1 -3.3	2/2	73.25/32.75	325
5S	5	18	2,000	100	20	5-10	.5/1/115/208 -230/60 Amps 8.8/4.2 -4.4	2/3	73/34	450
10S	10	24	4,000	200	20	10-30	1/1/115/208 -230/60 Amps 14/7	3/3	87/40	775
25S	25	36	10,000	300	20	30-60	2/1/115/208 -230/60 Amps 18.8/9.4 -10	4/(2) X 4	107/59	1750
50S	50	48	20,000	600	20	50-150	5/3/208 -230/460/60 Amps 16-13.2/6.6	6/(2) X 6	119.75/72	3350
100S	100	60	40,000	1200	30	200-300	10/3/230/460/60 Amps 28-14	12/(2)x 10	160/92	6450

¹Constructed out of rotationally molded polyethylene. Pressure and flow limited by PE construction.

²Fiberglass construction.