

Choosing the Right Pump For Your Pond



All Algreen pumps are rated in GALLONS PER HOUR (GPH).

This handout is available for download from www.algreenproducts.com

A. Measure Minimum Pump Rating Required

1. Calculate the number of gallons of water in your pond.
2. Minimum GPH required = {number of gallons} * 2

B. Accounting for Fish

3. Adjusted Minimum GPH = {number of gallons from step #2} * 2.

C. Accounting for a Waterfall

4. Measure the vertical distance from the bottom of your pond to the peak of your waterfall.
5. Measure the amount of tubing required (in feet) from the pump to the peak of the waterfall.
6. Measure the width of your waterfall in inches.
7. Adjusted GPH Required =
 $\{\text{GPH required from step 2 or 3}\} + \{\text{width of waterfall in inches}\} * 100$
8. Height of waterfall = $\{\text{vertical distance in feet}\} + \{\text{feet of tubing}\} / 10$

D. Pump Table Look-Up

9. You need to refer to the look-up table (see below) and find the best pump that provides you with the GPH required at the Height of the waterfall. Use the 0' column if you do not have a waterfall.

Model Name	Model Number	Tubing Size	Case Pack	GPH at different heights							
				0'	1'	2'	4'	6'	8'	10'	12'
SuperFlo 800	91601	3/8"	6	200	165	140	80	-	-	-	-
SuperFlo 1300	91602	1"	6	306	296	270	210	150	-	-	-
SuperFlo 2000	91607	1"	6	500	490	460	400	340	100	-	-
SuperFlo 3000	91603	1"	6	792	590	520	370	306	200	-	-
SuperFlo 4000	91604	1"	6	990	890	800	600	350	200	-	-
SuperFlo 5000	91605	1"	4	1100	1020	940	770	600	400	150	-
SuperFlo 6000	91606	1"	4	1582	1510	1420	1250	1080	900	700	450

Model Name	Model Number	Tubing Size	Case Pack	GPH at different heights						
				0'	1'	2'	4'	6'	8'	10'
MaxFlo 5000	91201	1"	4	1500	1200	500	-	-	-	-
MaxFlo 9000	91202	1"	4	2500	1946	1180	500	-	-	-
MaxFlo 12000	91203	1"	4	3200	2936	2127	1275	545	-	-
MaxFlo 16000	91204	1½"	2	4500	3928	3458	2679	2283	1762	1159
MaxFlo 20000	91205	1½"	2	5500	5054	4539	4086	3620	2653	2079