

# Birm Media Capacity Specifications

	Water Quality			
	Superior	High	Utility	
Tank Size	Flow Rate GPM	Flow Rate GPM	Flow Rate GPM	BKW Rate GPM
10 x 54	2	2	3	7
12 x 52	3	3	4	9
13 x 54	3	4	5	11
14 x 65	4	4	5	13
16 x 65	5	6	7	17
18 x 65	6	7	9	20
21 x 62	8	10	12	30
24 x 71	11	13	16	40
30 x 60	17	20	25	60
30 x 72	17	20	25	60
36 x 60	25	28	35	85
36 x 72	25	28	35	85
42 x 60	34	38	48	115
42 x 72	34	38	48	115
48 x 60	44	50	63	150
48 x 72	44	50	63	150
54 x 60	56	64	80	190
60 x 60	69	79	98	235
66 x 60	83	95	119	285
72 x 60	99	113	141	340

**As a general rule** - Lower flows produce higher quality water and 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.

**Operating 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 be equal at least 15% of iron and manganese content; alkalinity should be greater than 2 times sulfate and chloride content.