

Filter Tank Sizing & Backwash Tables

| Tank Diameter Inches | Tank Diameter Square Feet Bed Area | Cu. Ft. Per Inch of Height | Backwash rate in GPM Per square foot | | | | |
|----------------------|------------------------------------|----------------------------|--------------------------------------|-------|--------|--------|--------|
| | | | 5 GPM | 8 GPM | 10 GPM | 15 GPM | 20 GPM |
| 6 | 0.20 | 0.02 | 1 | 1.6 | 2 | 3 | 4 |
| 7 | 0.27 | 0.02 | 1.4 | 2.2 | 2.7 | 4.1 | 5.4 |
| 8 | 0.35 | 0.03 | 1.8 | 2.8 | 3.5 | 5.3 | 7 |
| 9 | 0.44 | 0.04 | 2.2 | 3.5 | 4.4 | 6.6 | 8.8 |
| 10 | 0.55 | 0.04 | 2.8 | 4.4 | 5.5 | 8.3 | 11 |
| 12 | 0.79 | 0.07 | 4 | 6.3 | 7.9 | 11.9 | 15.8 |
| 13 | 0.92 | 0.08 | 4.6 | 7.4 | 9.2 | 13.8 | 18.4 |
| 14 | 1.07 | 0.09 | 5.4 | 8.6 | 10.7 | 16.1 | 21.4 |
| 16 | 1.40 | 0.12 | 7 | 11.2 | 14 | 21 | 28 |
| 21 | 2.41 | 0.2 | 12 | 19.2 | 24 | 36 | 48 |
| 22 | 2.64 | 0.22 | 13.2 | 21.1 | 26.4 | 39.6 | 52.8 |
| 24 | 3.14 | 0.26 | 15.7 | 25.1 | 31.4 | 47.1 | 62.8 |
| 30 | 4.91 | 0.41 | 24.5 | 39.2 | 49 | 73.5 | 98 |
| 36 | 7.07 | 0.59 | 35.4 | 56.6 | 70.7 | 106.1 | 141.4 |
| 42 | 9.62 | 0.8 | 48.1 | 77 | 96.2 | 144.3 | 192.4 |
| 48 | 12.57 | 1.05 | 62.9 | 100.6 | 125.7 | 188.6 | 251.4 |
| 54 | 15.90 | 1.33 | 79.5 | 127.2 | 159 | 238.5 | 318 |
| 60 | 19.63 | 1.64 | 98.2 | 157 | 196.3 | 294.5 | 392.6 |
| 66 | 23.76 | 1.98 | 118.8 | 190.1 | 237.6 | 356.4 | 475.2 |
| 72 | 28.27 | 2.36 | 141.4 | 226.2 | 282.7 | 424.1 | 565.4 |

| Media | Pounds Ft 3 | Service Rate GPM/Sq. Ft. | Backwash Rate GPM/Sq. Ft. | Bed Depth Inches | Bed Expansion % |
|-------------------|-------------|--------------------------|---------------------------|------------------|-----------------|
| BIRM (regular) | 50 | 3.5-5 | 10 to 12 | 30 to 36 | 35 to 50 |
| Mang. Greensand | 85 | 5 | 8 to 12 | 30 to 36 | 35 to 50 |
| Carbon | 35 | 5 | 8 to 10 | 26 to 30 | 30 to 40 |
| Filter Ag. | 25 | 5 | 8 to 10 | 24 to 36 | 35 to 50 |
| Calcite | 100 | 3 to 6 | 8 to 12 | 24 to 30 | 35 |
| Corosex | 100 | 5 to 6 | 8 to 12 | 24 to 30 | 35 |
| Resin (Reg) | 50 | 20 to 30 | 3 to 8 | 24 to 30 | 50 |
| Resin (Fine mesh) | 50 | 15 to 20 | 2.5 to 4 | 20 to 30 | 5 |
| Pro-OX | 114 | 5 to 10 | 15 to 20 | 24 to 30 | 15 to 30 |
| Pyrolox | 125 | 5 | 25 to 30 | 24 to 30 | 15 to 30 |
| KDF | 171 | 15 | 30 | 10+ | 10 to 15 |
| Chem Sorb | 55 | 15 to 20 | 18 to 20 | 24 to 30 | 30 to 50 |
| MTM | 45 | 5 | 8 to 10 | 24 to 36 | 20 to 40 |



Have questions? Call us at 888-600-5427 and speak with one of our WQA Certified Master Water Specialists. Visit us online www.CleanWaterStore.com. Email us at info@cleanwaterstore.com