



CAMERON GREAT LAKES, INC.

MOLECULAR FILTRATION SPECIALISTS

Permanganate Media Comparison Chart

The chart below shows some comparable data between different permanganate media. When evaluating media it is important to evaluate several different factors. In addition to permanganate content you need to consider media bulk density. A unit requiring 1000 pounds of a Pu-rafil media at 50 pounds per cubic foot, will require 1200 pounds of a ZK6 media. This helps to increase media life.

| Media | ZK 6 | 4 % alumina | HS 600 |
|---|-------------|--------------------|---------------|
| Bulk Density, lbs/cubic ft. | 60 | 50 | 60 |
| KMnO₄, % by weight | 6 | 4 | 6 |
| KMnO₄, grams/cubic ft. | 3.6 | 2 | 3.6 |
| Hydrogen Sulfide, % removal capacity | 11 | 10.4 | 11 |
| Hydrogen sulfide, pounds removed / cubic ft. | 6.6 | 5.2 | 6.6 |
| Sulfur Dioxide, % removal capacity | 5 | 3.8 | 5 |
| Formaldehyde, % removal capacity | 2.3 | 2.1 | 2.3 |

It is ideally suited for the removal of acid gases and formaldehyde.

The CGL ZK6 media has effectively replaced Permanganate media in numerous applications including, waste water treatment plants, pulp and paper mill, semiconductor facilities, airports and hospital.

Life testing to determine remaining permanganate content is available at the Portland facility.