

# Watts Z-OX®

## Media for Iron, Hydrogen Sulfide, and Manganese Reduction

Ordering Code: 68109976

Z-OX is a new proprietary manganese dioxide coated natural zeolite media developed by Watts. Z-OX is made by chemically bonding MnO<sub>2</sub> to Watts Micro Z™ by a propriety process.

**Z-OX is 100% made in the USA.** Z-OX offers superior performance when compared to other coated media. It has a higher surface area and therefore more MnO<sub>2</sub> content than the other coated media. This increased surface area also provides a higher filtration capacity. Z-OX does not have any significant impact on the pH of the treated water.

Z-OX is lighter than many other MnO<sub>2</sub> medias (63 lbs. / ft<sup>3</sup>) so it costs less to ship.

### Z-OX Physical Properties

- Bulk Weight..... 63 lb/ft<sup>3</sup>
- Mesh Size..... 14 x 40
- Color..... Dark brown to black
- Surface Area ..... 27 m<sup>2</sup>/gram
- Surface Characteristics..... Net negative, hydrophilic
- Max. Water Retention ..... 50% Bed Volume
- Thermal Stability..... 500°C
- Minimum Flow Rate..... 1.34 gpm / ft<sup>3</sup>

### Z-OX Operating Conditions

- Max. Service Flow ..... 5 gpm/ft<sup>3</sup> or 15 gpm/ft<sup>2</sup>
- Recommended Free Board ..... 30 – 50%
- Minimum Bed Depth..... 20"
- Backwash Bed Expansion..... 20% Minimum recommended
- Filtration Performance ..... 3 Micron
- Ph Range..... 6.5 to 8.5

Total Iron Removal Capacity  
(at max. service flow rate)..... 12,000 mg / ft<sup>3</sup>

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

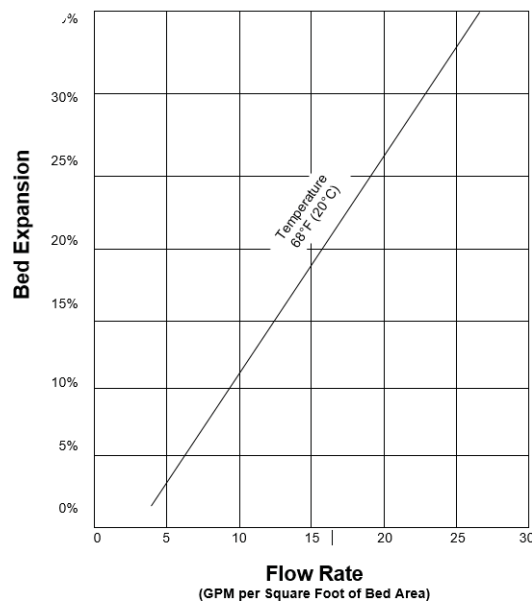
Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.



### Maximum Feed Concentrations

- Total Iron..... 10 ppm
- Manganese..... 5 ppm
- Hydrogen Sulfide ..... 3 ppm

**Z-OX Backwash Bed Expansion**



### NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.