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**SPEC SHEET**

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**MAZ**

- Removes up to 15 PPM iron particulate or dissolved Hydrogen Sulfide (H<sub>2</sub>S) up to 5 PPM
- High backwash rate not required on 8–12 GPM/Sq. Ft.
- High service flow; continuous 7 GPM/Sq. Ft.
- Light weight; only 50–52 lbs./Cu. Ft.

**Resulting Benefits**

- High Iron Removal
- High service flow allows you to use smaller tank, thereby lowering equipment costs and lessening space requirements
- Low backwash rate uses less water; bed is kept clean
- Lightness in weight lowers shipping costs and makes loading easier
- If a filter bed of greensand is replaced with MAZ, a 75% faster service flow may be expected with 20% less backwash required. During backwash, a freeboard expansion is 33% to 50% is recommended. The bed depth recommended for residential application is 30 inches, with a 24-inch minimum and a 36-inch maximum.
- MAZ is a manganese-treated, granular, sodium aluminosilicate that removes iron, manganese as well as hydrogen sulfide (H<sub>2</sub>S) from water supplies. This is accomplished through a combination of oxidation and filtration. The oxidizing properties of MAZ are far greater than any other medias.
- MAZ is normally regenerated with potassium permanganate. However, it can be chlorinated intermittently or continuously without damage to the mineral.

**MAZ SPECIFICATIONS**

*Manufactured to exacting specifications*

- Ferric (particulate) iron and Ferrous (clear) iron: Up to 10 PPM
- Service Flow/Sq. Ft. Area: Continuous 4–5 GPM/Sq. Ft.
- Backwash Flow/Sq. Foot: 8-12 GPM
- Hydrogen Sulfide: Up to 5 PPM
- Capacity/Cu. Foot: Up to 20,000 PPM. Gal. Fe; 5,000 PPM H<sub>2</sub>S
- Weight/Cu. Foot: 50–52 lbs. (depending on moisture content)
- Regenerant/Cu. Foot: Potassium Permanganate 4–8 oz.
- Acid (pH) Range: 7–11
- Appearance: Black Particles, Manganese Treated Zeolite
- Screen Size U.S. Standard Dry: 8–50 Mesh
- Attrition (Loss): Up to 1% per 100 Cycles

**ZEOLITE SIZE SPECIFICATION**

U.S. Standard (Mesh Dry)	Sample Weight	% Retained	% Retained (Spec.)
8	.65	.65	1% Maximum
12	29.97		
16	40.50		
20	16.75		
30	9.31		
40	2.21	98.74	92% Maximum
50	.31	.31	5% Maximum
Pan	.30	.30	3% Maximum
<b>Total</b>	<b>100.00</b>	<b>100%</b>	

# MAZ FINE

## CHARACTERISTICS

Peak Flow Rate: 4 GPM / Sq. Ft.  
Pressure Drop Per Square Foot: 3 PSI @ 4 GPM  
Screen size (U.S. Standard Dry): 8-200 Mesh  
Water Retention: 50%  
pH Range: 7-11  
Solubility in Water: Insoluble in pH 7-14  
Approximate Shipping Weight: 35 lb./Cu. Foot  
22 cubic foot Gaylords  
Physical Appearance: Black Crystal

## INFLUENT LEVELS

Combination of Manganese & Iron up to 20 PPM  
H2S less than 3 PPM

## CAPACITY PER CUBIC FOOT

Manganese up to 100,000 PPM/Gallon  
Iron up to 100,000 PPM/Gallon  
H2S up to 20,000 PPM/Gallon

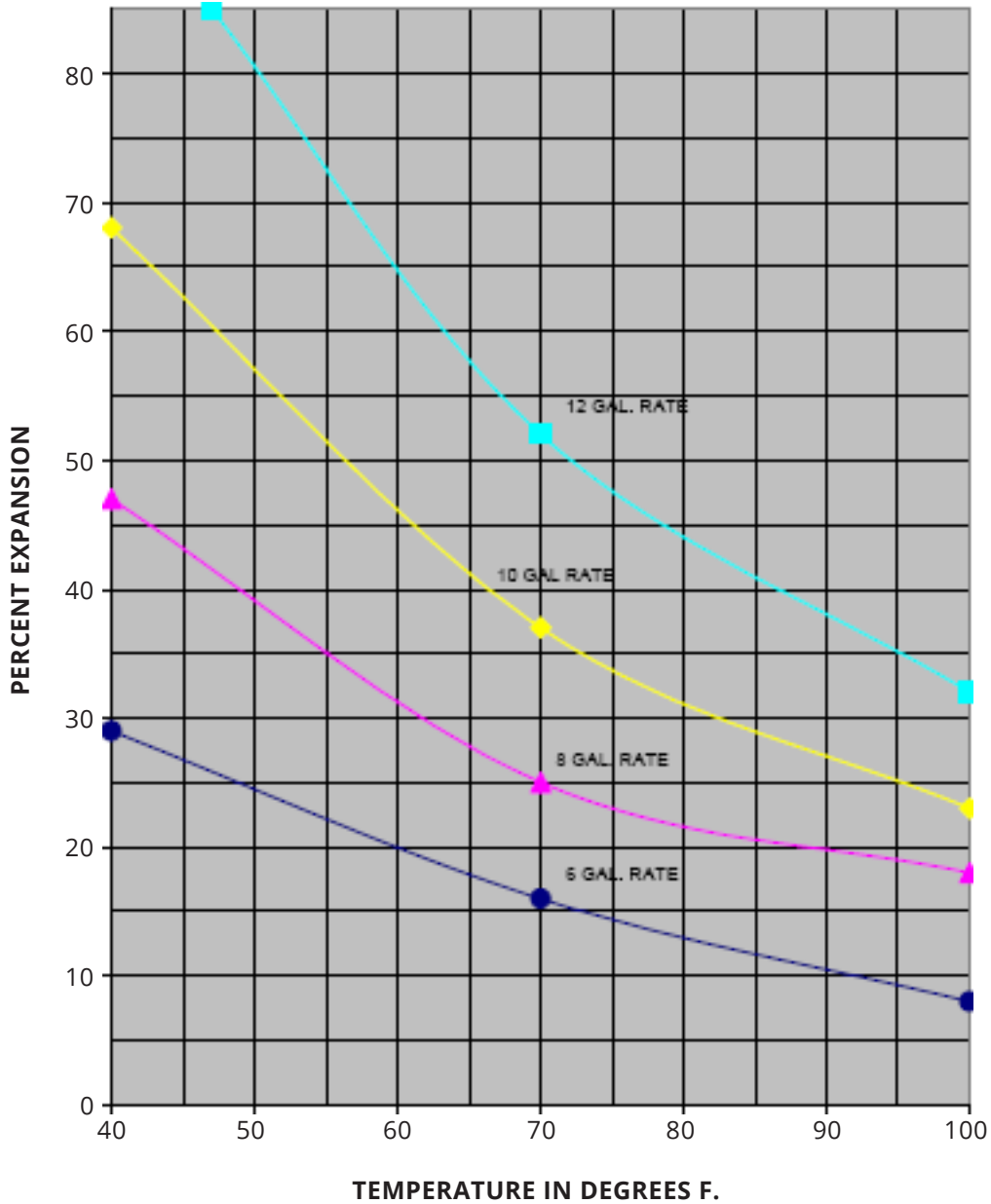
## ZEOLITE SIZE SPECIFICATION

<b>U.S. Standard</b>	<b>Sample</b>		
(Mesh Dry)	Weight	% Retained	% Retained (Spec.)
8	.25		
12	.175		
16	1.03		
20	.79		
30	5.22	7.465	10% Maximum
40	25.115	25.115	
50	43.84	43.84	
100	22.49	22.49	88% Maximum
200	1.05		
325	.04	1.09	3% Maximum
<b>Total</b>	<b>100.00</b>	<b>100%</b>	

# MAZ

## BACKWASH EXPANSIONS CHARACTERISTICS AT VARIOUS TEMPERATURES

Flow Rates in Gallons Per Sq. Ft. Per Minute



# MAZ

## BACKWASH EXPANSION CHARACTERISTICS @ 58°F

