

MANGANESE ACTIVATED ZEOLITE CARTRIDGE (MAZ)

For removal of iron and manganese.
Improves water taste and provides plumbing protection.



MAZ is a manganese-treated, granular, sodium aluminosilicate that removes iron as well as manganese.

For the good functionality of the media, it has been made into a cartridge.

The **MAZ 10 inch** and the **MAZ 20 inch** filter cartridge are designed to provide an easy and effective method for reducing dissolved iron from water, that results in a improvement of water taste.

These cartridges are helping to eliminate the orange and brown stains that are often found in sinks, toilets, tubs and other plumbing fixtures. It also reduces the possible damage to pipes and water heaters.

The cartridges add no harmful chemicals to the water, making it completely safe for drinking water applications.

1704000112	MAZ cartridge 10"
1611030022	Big Blue Filter 10", Clear 1" BSP
1709055516	MAZ cartridge 20"
1611030021	Big Blue Filter 20", Blue 1" BSP

The MAZ cartridge needs to be combined with a Big Blue Filter.

The cartridges are developed for a single use and/or in combination behind another filter with specific kind of media:

For the singles use:

- The 20 inch MAZ cartridges are designed for the use in a 20-inch Big Blue Filter Housing and should be installed on the main cold water line after the pressure tank or water meter.
- The 10 inch MAZ cartridges are designed for the use in a 10-inch Big Blue Filter Housing. For the best results a pre-sediment and post-carbon treatment is recommended.

In combination behind another filter:

- In combination with a Crystal Right Filter both cartridges can be used to create rest hardness. A big Blue Filter housing is a must.



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FEATURES/BENEFITS

- Easily and effectively reduces up to 3 ppm of dissolved iron from water
- The higher the iron content the better the manganese removal
- Improves flavour and reduces the metallic taste caused by iron
- Reduces the possibility of pipe and water heater damage
- For use in 10- and 20-inch Big Blue filter housings
- The cartridges need to be flushed properly before usage

RECOMMENDED OPERATING CONDITIONS

- Recommended inlet water needs to contain
 - Silica $\leq 100\text{ppm}$
 - Manganese $\leq 1\text{ ppm}$
 - Iron $\leq 3\text{ ppm}$
 - $\text{H}^2\text{S} \leq 0.5\text{ ppm}$
- At least a pH of 7 or above.
- Minimum TDS 80 ppm
- Minimum hardness of 51ppm / 5.1°F / 2,87°dH
- No removal of iron bacteria

SPECIFICATIONS AND PERFORMANCE

APPROXIMATE LIFE OF SYSTEM				
IRON LEVEL IN WATER	TOTAL LITERS WATER USED	946 l/day (FOUR PEOPLE)	473 l/day (TWO PEOPLE)	283 l/day (ONE PERSON)
3 PPM	98.421	104 days	208 days	416 days
2 PPM	151.417	160 days	320 days	640 days
1 PPM	302.833	320 days	640 days	1280 days
0.5 PPM	605.666	640 days	1280 days	N/A

- Iron level 2 to 3 ppm, 4 gpm or 15.1 lpm max flow rate
- Iron level 1 to 2 ppm, 5 gpm or 18.9 lpm max flow rate
- Iron level 0.5 to 1 ppm, 6 gpm or 22.7 lpm max flow rate

