



# DMI-65 Media

## Advanced Oxidation Water Filtration Media

### For Removal Of:

- **Iron (Fe) and Manganese (Mn)**

The DMI-65 is an extremely powerful catalytic action water filtration media that will remove iron and manganese to the world drinking water standards and down to undetectable levels if required. The DMI-65 can also be used as a mechanical filtration media because of its high capacity to filter out suspended solids to approximately larger than 10 microns. The DMI-65 can also remove Arsenic, Aluminium and Hydrogen Sulfide under certain conditions.

### Infusion Technology:

The DMI-65 is infused technology and not just a surface coating technology like other catalytic water filtration Medias and this gives the DMI-65 the advantage of a long life span between 5 to 8 years and powerful performance. It also removes the chance of any chemical leaching into the water stream.

### Technical Specifications

Physical Properties		Operating Conditions	
Color	Brown to Black	pH Range	5.8 – 8.6
Bulk Density	91.0 lbs/ft <sup>3</sup> 1.46 gr/m <sup>3</sup> ; 1.46 Tonne/m <sup>3</sup>	Maximum Water Temperature	113° F (45° C)
Specific Gravity	2.69	Minimum Bed Depth	24 Inches (600 mm)
Effective Size	0.43 mm	Freeboard	40% Minimum
Uniformity Coefficient	1.3	Service Flow Rate	5 - 30 m <sup>3</sup> /m <sup>2</sup> per hr
Mesh Size	20-50	Backwash Flow Rate	25 - 80 m <sup>3</sup> /m <sup>2</sup> per hr
Annual Attrition	1-5%	Backwash Expansion	15-50%

### Advantages of DMI-65 Media and Features Include:

- Is the **lowest cost method** of removing these elements from a ground water supply to the world drinking water guidelines.
- Very powerful catalytic action and its ease to maintain and operate.
- Is similar to manganese greensand without the need to add potassium permanganate, which is dangerous, costly and difficult to operate and maintain.
- Is certified to the US Standard of **NSF/ANSI 61** for drinking water and has been tested by many other water treatment laboratories.
- Has various uses including the use in municipal water treatment plants, domestic, commercial and industrial water treatment plants and is being used in the agriculture sector. **DMI-65 is also used to pre treat iron in water to protect RO membranes from fouling.**
- Can be simply installed into existing water treatment plants that currently use the older technology, by replace the other water treatment Medias with DMI-65.

For further information, visit Quantum's new website [www.quantumfiltration.com.au](http://www.quantumfiltration.com.au). Please feel free to contact us in regards to how Quantum Filtration Medium can assist.

