CERAPURE-MAC

WATEROPOLIS

LOW BACKWASH RATES LONGER LIFE IRON & MANGANESE REMOVAL

What is Cerapure-MAC? Cerapure-MAC is a proprietary blend* of manganese dioxide, metal alloy and activated carbon permanently attached to a highly textured, ceramic granular substrate.

Where is it used? Cerapure-MAC is ideal for applications that use dissolved air for pre-oxidation of iron and manganese. It is also used where high levels of chemical oxidants are used for the removal of iron, manganese and hydrogen sulfide. Cerapure-MAC will provide removal of manganese and iron and reduce oxidation levels simultaneously preventing oxidants from entering the filtrate.

The use of metal alloy prevents biological fouling of the media and ensures a longer active life than any other media.

Cerapure-MAC provides significantly improved filtration performance as compared to "Green sand" or other Mn02 medias. Its small effective size and low uniformity coefficient ensures excellent particle removal and retention.

PRODUCT SPECIFICATIONS

Parameter	Cerapure-MAC**
Multiple Effective Sizes available:	0.25 mm – 0.30 mm
Uniformity Coefficient	< 1.4 (1.25 typical)
Density	89 lbs/ft^3 (1.4 g/cm^3)
Recommended Bed Depth	24" (61 cm)
Recommended Service Flow Rate	8.0 gpm/ft^2 (20 m/hr)
Backwash Rate (See Curves)	10-12 gpm/ft^2 (25 m/hr) TYP
Operational pH	6.2 – 9.5

Cerapure-MAC is ideal for filter applications such as**:

- Iron oxidation and filtration
- Manganese oxidation and filtration
- Hydrogen Sulfide removal
- Oxidation Reduction (Cl2, H2O2, Ozone, Chloramines)
- Biologically active feed water
- > 90% removal of 5-micron particles

Just backwash Cerapure-MAC and put it into service. Cerapure-MAC has an exceptionally reactive surface area making it excellent for oxidizing all types of dissolved metals.**

Various effective sizes and uniformity coefficients are available upon request.**

** Patent pending*

*** Tests and stated results are by Wateropolis and have not been independently validated.*

Cerapure-MAC process media certified by IAPMO R&T against NSF/ANSI 61 for Materials Safety Requirements only. Cerapure-MAC media requires conditioning. Refer to the product labeling for more specific conditioning instructions.

CONTACT US

sales@wateropolis.com • 440-596-0325 • www.wateropolis.com

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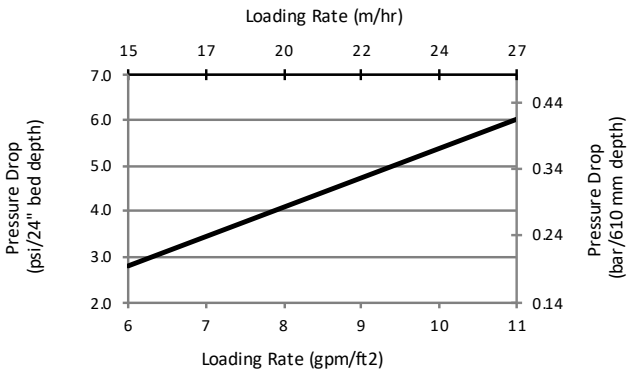
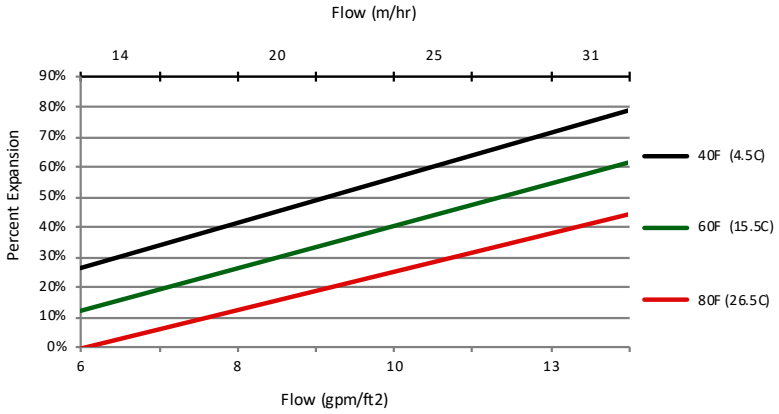
OPERATIONAL DATA





Backwash and pressure drop curves for different size material is available upon request.

Operational data for other filter media sizes is available upon request.

**Patent pending*

MADE IN AMERICA

ABOUT WATEROPOLIS Wateropolis Inc. is dedicated to identifying and developing new and innovative technologies for water and wastewater treatment. We look for simple, logical answers to complex questions.