



DECHLORINATION / DECHLORAMINATION BACTERIOSTATIC 5 MICRON FILTRATION

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

Where is it used? Cerapure-AC is ideal for applications where high levels of chemical oxidants are used for the removal of iron, manganese and hydrogen sulfide. Cerapure-AC will provide removal of 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-AC provides significantly improved filtration performance as compared to GAC or Alloy mono-medias. Its small effective size and low uniformity coefficient ensures excellent particle removal and retention.

PRODUCT SPECIFICATIONS

Parameter	Cerapure-AC**
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

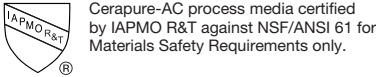


- Cerapure-AC is ideal for applications such as:
- Oxidation Reduction (Cl₂, H₂O₂, Ozone, Chloramines)
 - Biologically active feed water
 - Where bacterial growth may occur in an off-line filter
 - > 90% removal of 5-micron particles

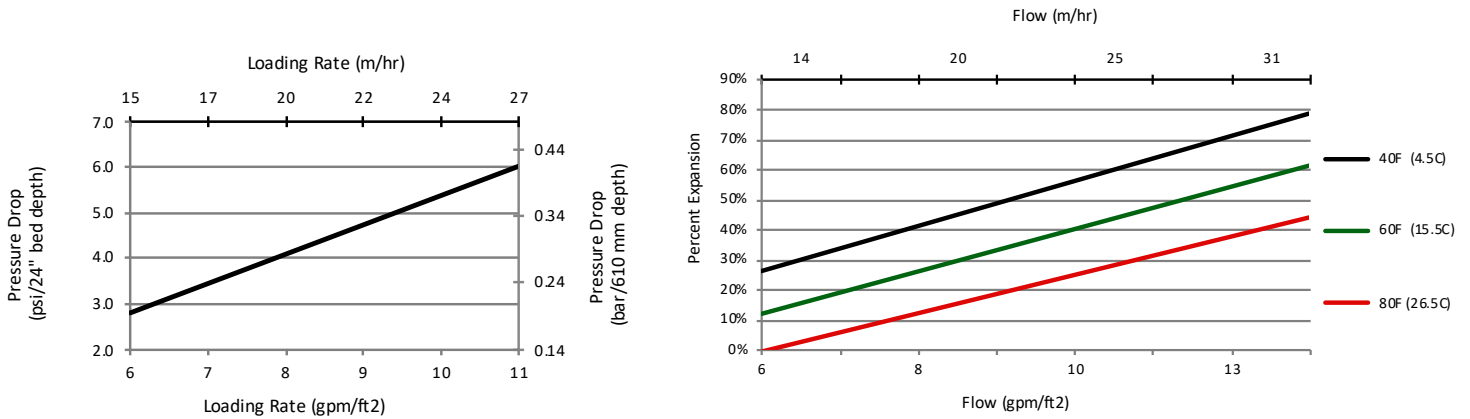
Cerapure-AC does not require “conditioning” at installation, just backwash it and put it into service. Various effective sizes and uniformity coefficients are available upon request.**

- Performance**
- 10" deep bed
 - 3 minute Empty Bed Contact Time:
 - >95% removal of chlorine
 - >90 % removal of chloramines

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



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



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.