



DECHLORINATION / DECHLORAMINATION

BACTERIOSTATIC

5 MICRON FILTRATION

What is Cerapure-AC? Cerapure-AC is a proprietary blend* of metal alloy and 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

* Patent pending

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



Cerapure-AC process media certified by IAPMO R&T against NSF/ANSI 61 for Materials Safety Requirements only.



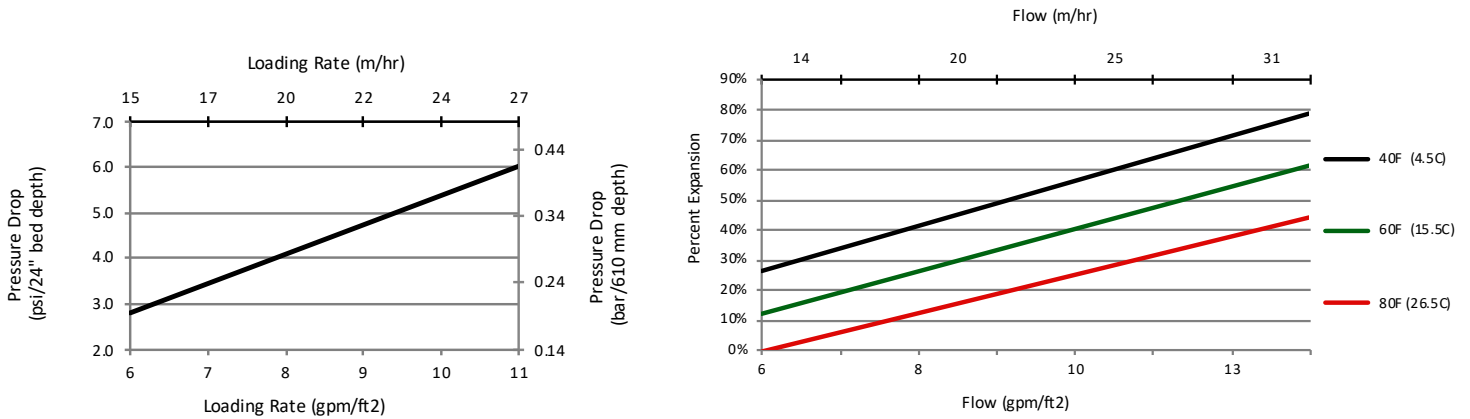
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CERAPURE-AC



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.