# CERAPURE-AC

WATEROPOLIS

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.


## CONTACT US

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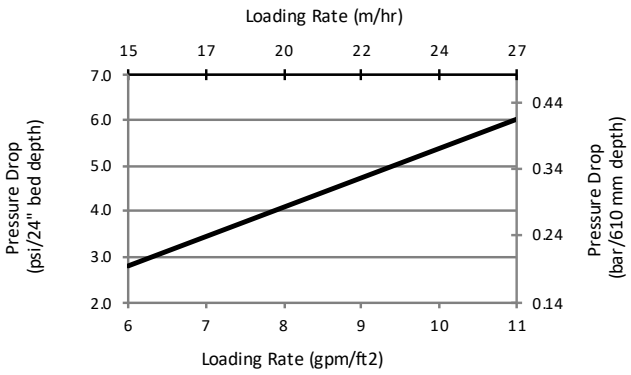
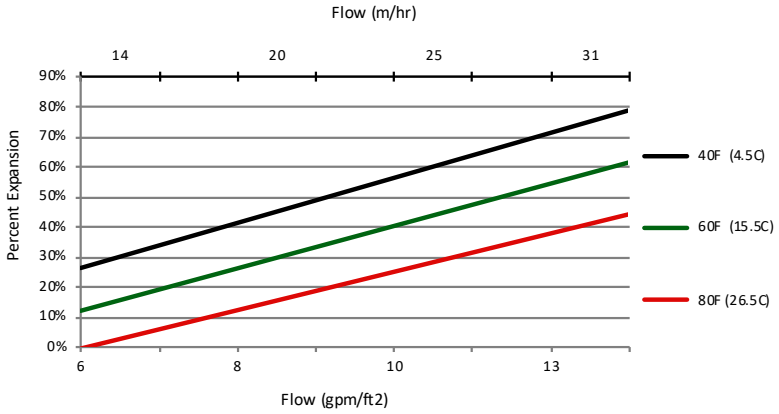
## OPERATIONAL DATA




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.