



901x Biocarbon™ Filtration Media

Green, economical, media for removal of metals and organics

The 901x media offers both the adsorbent properties of activated carbon and the metals removal capability of ion exchange resin but with a sustainable, green material and at a lower cost.

901x FEATURES

- Effective metal removal in the presence of oils, grease, and organics
- Performs in wide pH range
- Fast kinetics for color reduction
- Effectively removes light-and-middle molecular weight organics in 1/3 of the empty bed contact time
- Reduces the need for ion exchange resins in consumer filters
- Low cost, lightweight media for environmental clean up and F006 metals removal
- Drop-in replacement for mixed bed media in exchange vessels
- Available as direct replacement media and as disposable carbon block filters for metals
- Spent material can be incinerated or re-purposed
- Green and sustainable metal removals technology. Sequesters carbon and can qualify for carbon credits

APPLICATIONS

- Industrial process water
- Environmental remediation
- Drinking water filters
- Carbon blocks
- Flocculation and precipitation filter
- Municipal waste
- F006 metals removal
- Municipal water



901x media is tested by IAPMO R&T lab and certified by IAPMO R&T under standard NSF/ANSI/CAN 61 for Material Safety Requirements Only.

Sourced, processed, and manufactured in the U.S.A.

901x MEDIA SPECIFICATIONS

- **Appearance (Granular):** Black strand-like particles
- **Appearance (Powdered):** Fine black powder
- **Bulk Density (Granular):** 7-8 lbs/ft³
- **Bulk Density (Powdered):** 26 – 28 lbs/ft³
- **Particle Size (Granular):** 20 – 325 mesh (others on request)
- **Particle Size (Powdered):** 140 - 325 mesh
- **Metal removal range:** pH range of 4 – 10
- **Metal removal capacity:** 6 - 10mg/g metal removal observed in trials
- *Meets NSF 61 specifications for drinking water*

CONTAMINANT REMOVAL

- Mercury
- Lead
- Chromium
- Aluminum
- Copper
- Zinc
- Solvents
- Lightweight Organics
- Arsenic
- Silver

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TRIAL RESULTS - AUTOMOBILE PARTS MANUFACTURER

	GAC: BONE CHAR	MULTIPLE FILTERS*	GLANRIS 901x
Contaminant	% Removed		
TSS	24.5%	91.2%	95.4%
Manganese	15.5%	85.8%	89.1%
Zinc	17.3%	75.0%	90.3%
Nickel	26.6%	95.9%	98.8%

Independent testing provided by WayPoint

*Chemical Coagulation, Sand, GAC + MicroZ Filtration Tanks

- Glanris 901x replaces bone char @ \$200/cu ft, Micro Z @ \$105/cu ft, chemical treatment @ \$3.00/100 gallons treated
- Reduction in TSS represents hundreds of tons less solid waste going to landfill each year
- Reduction in metals at this level allows customer to reuse their water for zero discharge

STUDIES AT VARIOUS pH RANGES

