

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

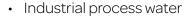
901x MEDIA SPECIFICATIONS

- 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 10 mg/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

APPLICATIONS



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.

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TRIAL RESULTS - AUTOMOBILE PARTS MANUFACTURER

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

