

Filter Media and Resin

Filter Sand and Gravel

Pure Aqua Sand and Gravel are naturally occurring and exhibit excellent chemical properties such as high silica content and low soluble calcium, magnesium and iron compounds which satisfy industry standards.



PRECISION SIZING

Precision sizing and uniform grading to close limits meet standard specifications. These products are used nationally and internationally due to their high quality, desirable chemical properties and sizing.

QUALITY PROCESSING

Pure Aqua sand is graded specifically for water filtration plants. It can be used in municipal and industrial applications for sediment filtration. Pure Aqua uncrushed gravel has a highly spherical shape that promotes good flow and even distribution in support beds.

SAND

Graded in various ranges, Pure Aqua Sand can be used as a filtration medium or as underbedding depending on particle size and application.

ANTHRACITE

Anthracite is recommended as a filter medium where additional silica in the water is not desirable and may be used to remove lighter weight turbidity.

CALCITE

Calcite media is specially graded calcium carbonate compound for neutralizing acid in water and provides consistent dissolving rates for treatment.

ACTIVATED CARBON

Pure Aqua activated carbon medium is used to remove taste, odor and chlorine and is used in many pretreatment processes in drinking water applications.

MANGANESE

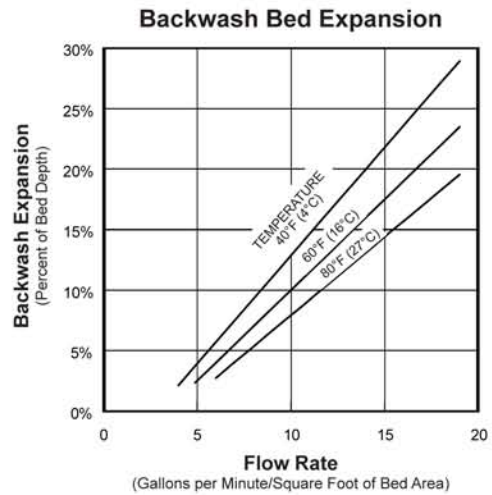
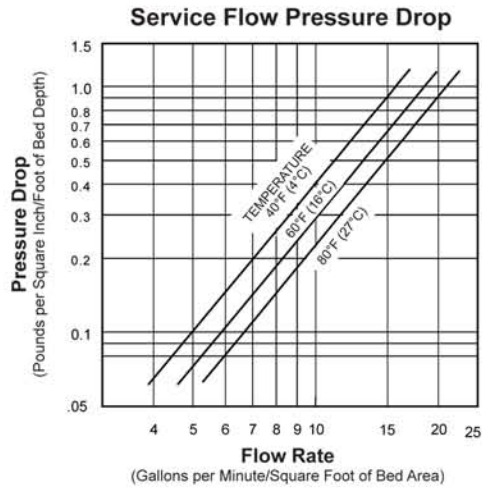
Manganese Greensand media is treated siliceous material used for treating water containing iron, manganese and hydrogen sulfide.

PROSAND

ProSand is based on a rare natural mineral and its unique properties allow it to radically alter the performance and cost of media filtration.

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| | COLOR | TYPE | SIZE (mm) | SERVICE FLOW RATE GPM/SQ.FT. | BACKWASH FLOW RATE GPM/SQ.FT. | FUNCTION | pH RANGE | TEMPERATURE LIMITS | Remarks | BULK DENSITY (LBS/CU.FT.) |
|--------------------|----------------------------|-------------------------------------|-----------|--|-------------------------------|---|----------------------------|----------------------------|--|---------------------------|
| ANTH-.8.9 | Black particles | Anthracite | 0.85-0.95 | 5 or Higher depending on local Condition | 18-25 | Filtration Media | 4.0-12.0 | No limiting specifications | Backwash when flow rate is noticeably retarded | 50 |
| Calcite-50 | Near White particles | Calcium Carbonate + Magnesium Oxide | 0.4 | 3-6 | 8-12 | Acidic Water Slowly to raise pH which reduces the potential leaching of copper, lead and other metals found in typical plumbing systems | 5.0-7.0 | | Add mineral when ph elevation no longer occurs or backwash when flow rate is noticeably retarded | 90 |
| Coconut 12x40 | Black particles | Activated Carbon Media | 0.55-0.75 | 5 | 10-12 | Removal of tastes, odors, tannins, Dechlorination | Wide Range | | Replace when taste, odor or chlorine are no longer removed. | 27.5 |
| Coconut 12x40 AW | | | 0.65-0.75 | 5 | 10-12 | Promotion of oxidation, Specific applications include chloramines, organic compounds | | | | 27.5 |
| A8041 | Black to Green | Greensand | 0.30-0.35 | 3-5 | 10-12 | Removal of Fe & Mn | 6.2-8.5 | 80°F/26.7°C | Iron alone 600 grains Iron and manganese 400 grains Hydrogen sulfide 175 grains | 85 |
| GRAV-C 1/2 x 3/4 | Light tan to reddish brown | Silica Sand | 0.45-0.55 | Municipal: 1.5-2 Industrial: 3 Domestic: 5 | 15-20 | Filtration Support Bed | No limiting specifications | No limiting specifications | Backwash when flow rate is noticeably retarded. | 100 |
| GRAV-M 1/4 x 1/8 | | | | | | | | | | 100 |
| GRAV-F 1/4 x 1/2 | | | | | | | | | | 100 |
| GRAV-FF 1/8 x 1/16 | | | | | | | | | | 100 |
| Sand-20 | | | | | | | | | | 100 |
| ProSand | Dark Gray | High Type Alumino-Silicate | 0.4-1.4 | 16-20 | 12.5-22 | SDI Reduction | No limiting specifications | Stable to 500°C | High Filtration 3-5 Micron removal | 55 |
| GARN-8 | Light tan to reddish brown | Almandite | 2.0 | High flow rates | 5-15 | High Specific gravity allows unique filter design | | | Free Silica: Minimal Acid Solubility: Minimal | 140 |
| GARN-30x40 | | | 0.35 | | | | | | 130 | |
| GARN-8x12 | | | 1.5 | | | | | | 140 | |
| Ag | Light grey to near white | Granular Filter media | 0.67 | 5 | 8-10 | Less pressure loss through a bed of Filter-Ag than through most other filter media | No limiting specifications | No limiting specifications | Upon installation allow bed to soak overnight before backwashing. | 24-26 |
| Ag-Plus | Light tan to near white | Natural Ore Clinoptilolite | 0.55 | 5 | 15-20 | Deep bed Filtration results in superior water quality and reduces the load on downstream equipment | | | A gravel support bed is required | 50 |
| Birm (A8006) | Black | Granular Filter media | 0.48 | 3.5-5 | 10-12 | Reduction of iron and or manganese | 6.8-9.0 | 100°F/38°C | Hydrogen Sulfide should be removed prior to contact with birm Media | 40-45 |
| MTM (A8012) | Dark Brown | Granular Manganese | 0.43 | 3-5 | 8-10 | Reduction of iron, manganese, and hydrogen sulfide | 6.2-8.5 | 100°F/38°C | Oil: None present Polyphosphates: None Present | 45 |
| Pyrolox (A8004) | Black | Mineral from Manganese Dioxide | 0.51 | 5 | 25-30 | Reduction of iron, sulfur and manganese | 6.5-9.0 | No limiting specifications | No Chemical regeneration required | 125 |
| Corosex (A8011) | Brownish White | MgO 97% min. | 1.4 | 5-6 | 10-12 | Neutralize acidity by increasing the pH value | 4.5-6.0 | | High capacity, less chemical usage | 75 |

 **Pure Aqua, Inc.**
Water Treatment and Reverse Osmosis Systems

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