

## 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 partical 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 proceses in drinking water applications.

#### MANGANESE

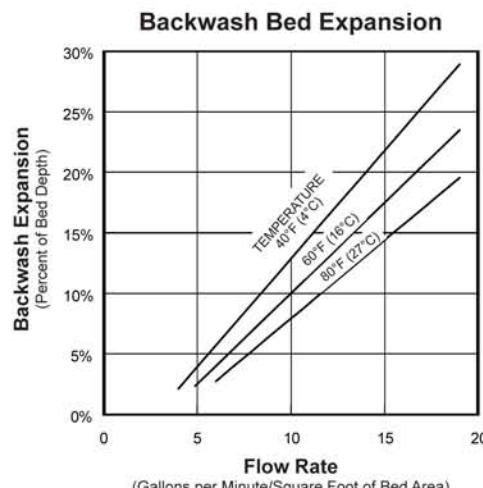
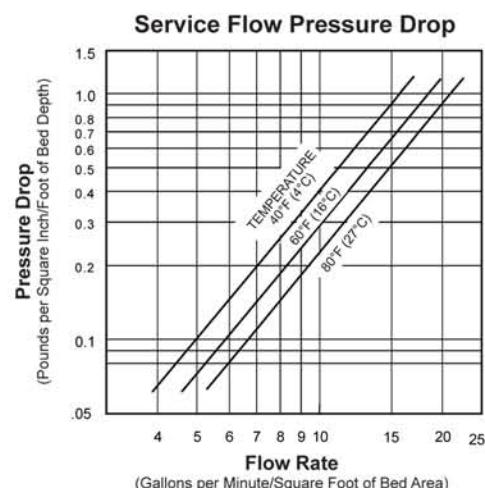
Manganese Greensand media is treated siliceous material used for treating water containing iron, manganese and hydrogen sulfide.

#### PROSAND

ProSand is based on a rare natural mineral and it's 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-.9	Black particles	Anthracite	0.85-0.95	5 or Higher depending on local Condition	18-25	Filtration Media	4.0-12.0		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			0.55-0.75	5	10-12	Removal of tastes, odors, tannins, Dechlorination				27.5
Coconut 12x40 AW	Black particles	Activated Carbon Media	0.65-0.75	5	10-12	Promotion of oxidation, Specific applications include chloramines, organic compounds	Wide Range		Replace when taste, odor or chlorine are no longer removed.	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										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		Stable to 500°C	High Filtration 3-5 Micron removal	55
GARN-8	Light tan to reddish brown	Almandite	0.45-0.55	Municipal: 1.5-2 Industrial: 3 Domestic: 5	15-20	Filtration Support Bed	No limiting specifications	No limiting specifications	Free Silica: Minimal Acid Solubility: Minimal	140
GARN-30x40										130
GARN-8x12										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 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	No limiting specifications	High capacity, less chemical usage	75