

# High Quality Filtration Media

## Sand, Gravel, Carbon and Anthracite

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. These products are used nationally and internationally due to their high quality, desirable chemical properties and sizing.

### 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 under-bedding depending on particle size and application.

### GRAVEL

Highly spherical shape and uniform grading provide Pure Aqua filter gravel with reliable performance. Low soluble impurities limit undesirable mineral leaching into the process stream.

### 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.

### 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.

### 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.

### GARNET

Garnet is a high hardness, high density granular filtration media. It is normally used as the lower filtration in a multi-media bed down flow filtration system.



Water Treatment & Reverse Osmosis Systems

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### Media Specifications

Media	Color	Type	Size	Service Flow rate gpm/ft2	Backwash Flow Rate gpm/ft2	Function	Bulk Density (Lbs/Cu.Ft.)
<b>Anthracite 0.8-0.9</b>	Black particles	Anthracite	0.85-0.95 (mm)	5 or Higher depending on local Condition	18-25	Filtration media	52
<b>Coconut 12x40</b>	Black particles	Activated carbon media	Mesh size 12X40	5	10-12	Removal of tastes, odors, tannins, dechlorination	27.5
<b>Coconut 12x40 AW</b>						Promotion of oxidation, specific applications include chloramines, organic compounds	27.5
<b>GRAV-C</b>	Light tan to reddish brown	Uncrushed gravel	1/2 X 3/4	N/A	N/A	Filtration support bed	100
<b>GRAV-M</b>			3/8 X 1/4				100
<b>GRAV-F</b>			1/4 X 1/8				100
<b>GRAV-FF</b>			1/8 X 1/16				100
<b>Sand-20</b>	Light tan	Silica sand	1.65-2.0 (mm)	10	15-20	Filtration media	100
<b>ProSand</b>	Dark gray	High type Alumino-silicate	0.4-1.4 (mm)	12-20	13-22	SDI reduction	55
<b>GARN-8X12</b>	Light tan to reddish brown	Almandite	1.5 mm	Wide range application specific	Wide range application specific	High specific gravity allows unique filter design	123
<b>GARN-30x40</b>			1.4 mm				152

Pure Aqua offers a wide range of filtration and resin media, such as filter AG, green sand, calcite, corosex, cation & anion or mixed bed resin. We also manufacture complete filtration and ion exchange systems for general manufacturing and industrial applications, as well as special grades of resin for critical applications such as food & beverage, nitrate removal, arsenic removal, healthcare, biopharmaceutical and micro-electronics.

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The different types of filtration media listed in this brochure do not remove or kill bacteria. Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

 <p><b>PURE AQUA, INC.</b><sup>®</sup>          Water Treatment &amp; Reverse Osmosis Systems          sales@pureaqua.com Tel: +1.714.432.9996          www.pureaqua.com Fax: +1.714.432.9898</p>  	<p>Authorized Dealer:</p>
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