

Granular Media-Quartz**Product Coding**
P430XXXXXX**Introduction**

Quartz media is a natural filtration material composed of high purity silica (SiO_2), processed into carefully graded particles for use in depth filtration systems. Its hardness, chemical inertness, and angular grain structure make quartz an excellent medium for removing suspended solids, turbidity, and fine particulate matter from water and process liquids.

Quartz media forms a stable and uniform filter bed that promotes deep bed filtration, capturing contaminants throughout the media depth rather than only at the surface. This results in consistent filtration performance, low media degradation, and long operational life.

Quartz media is commonly used as a single layer filter or as part of multi media filtration systems, often serving as a support or polishing layer beneath anthracite or garnet.

Features

- High silica purity for reliable and inert filtration performance
- Excellent mechanical strength and abrasion resistance
- Angular grain shape enhances particle retention
- Uniform grading ensures consistent flow and filtration efficiency
- Low media attrition and long service life
- Chemically inert and resistant to most acids and alkalis
- Suitable for single media and multi media filter systems
- Easy backwashing with minimal media loss
- Stable performance over wide operating conditions

Applications

- Drinking water treatment systems
- Industrial water filtration units
- Cooling water and process water treatment
- Wastewater polishing and reuse systems
- Pre-filtration upstream of membrane systems
- Multi media filters (support or fine filtration layer)
- Chemical, petrochemical, and refinery utilities
- Power plant water treatment systems



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