

FILTRATION MEDIA



ZEOLITE NSF61 PARTICULATE REDUCTION MEDIA

Zeolite NSF61 (P/N HC10003) is a high purity natural zeolite. The surface area of Zeolite NSF61 is 100-times greater than sand/anthracite thus allowing smaller particles to be trapped. Its larger surface area greatly improves water clarity and increases the time between backwashes. This product is Certified to NSF/ANSI Standard 61.

BENEFITS

- Safe, natural, nontoxic, inexpensive replacement for sand/anthracite and multimedia beds
- High surface area holds up to 55% its weight in water and up to 2.1% nitrogen
- High potassium and low sodium content
- Long filter bed life (approx. 10 years)
- Requires less backwash water
- Certified to NSF/ANSI Standard 61

APPLICATIONS

- Bottle water and drinking water plants
- Economical pre-filter for RO systems
- Well water and industrial wastewater filtration
- Cooling tower, chillers, heat exchanger water filtration

Physical filtration barriers for accumulation or collection of microorganisms in water that endanger human health have been in focus during the last several years. Zeolite NSF61 will be an ideal collector of pathogens such as *Giardia*, *Cryptosporidium*, and other oocyst and protozoa and their spores. Most of these organisms and their spores are in the size range of 0.5 to 10 micrometers (microns). In contrast, the water permeable pores in Zeolite NSF61 are mostly smaller than 0.05 microns; therefore the zeolite fragment or granule can "surface collect" a high percentage of these microorganisms while the water passes through the zeolite fragment. The U.S. drinking water standards for microorganism pathogens and turbidity can be easily met using a natural, low-cost material, such as Zeolite NSF61 rather than "sand" which is chiefly quartz grains.

Specifications

Part Number	HC10003
Mineral	Natural zeolite
Mesh Size	14 x 40
Surface Area	24.9 square meters/gram
Porosity	High porosity, irregular surface
Cation Exchange Capacity	1.5 to 1.8 meq/gram (as ammonium, -N)
Water Retention (max.)	Holds 55% of its weight
Hardness	Moh's no. 4
Service Flow Rates	10 to 20 gpm/sq.ft.
Solids Loading	High (1.7 x multimedia)
Filtration Rating (nominal)	5 micron maximum
Color	Pale green
Packaging	55 lb. (1 cu.ft.) bags

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