



**2021 Model ALK-154  
Calcite Dual Core Membrane  
6 Stage Filtration**

**Freshness, Purity and Quality...  
You can count on.**



**What kind of filtering media/  
carbon is used in the Alkaline H2o  
Pro Filtration Systems?**

The Alkaline H2o pro™ utilizes a Two stage blend ( Activated & Catalyst ) made from coconut shell and a two stage ASR, HSR Nanotech Media and produced to achieve a carbon tetrachloride activity (CTC) range of 44% to 96%. The ability to produce such a high micro porous surface area is very limited, not a lot of manufacturers can do this on a regular basis. It also has a high hardness and low water soluble ash. The carbon is NSF 42 certified. In addition the Alkaline H2o Pro™ Carbon Series utilizes non-chemically impregnated activated carbon. It has been surface modified during manufacturing, to significantly enhance the carbons' capabilities for rapidly decomposing noxious compounds. The carbons used in the Alkaline H2o Pro™ Carbon Series Systems are all produced from high quality coconut shell carbons, and in addition to their capacity to handle sulfides etc. They have much higher surface areas than most other competitive brands. This enables them to remove larger quantities of other organic species which may be present in the system. This carbon is also NSF Certified and meets or exceeds all food chemical codex, AWWA and ASTM Protocols.

**How does the Alkaline H2O Pro  
address bacteria?**

Public water systems must treat for disease causing bacteria; therefore, the likelihood of disease causing bacteria being introduced to an Activated Carbon filter from public drinking water is remote. Activated Carbon and KDF filtration should only be used on water that has been tested and found to be bacteria free or effectively treated for pathogenic bacteria. If bacteria is present in the water supply, the Dual Core Membrane or UV light option must be used, removal of bacterial with the Dual Core Membrane is the optimal choice as it will remove 99.9%

**How does the Alkaline H2o  
Pro Whole House  
Water Filter work?**

Our four stage blend & dual core membrane utilizes a multiple stage filtration process to filter the water going into your home. We use the highest grade carbons available on the market as well as our Nanotech Media product. Our whole house water filter is designed/developed to completely remove or significantly reduce chlorine, sediment and/or particulate matter, VOC's, SOC's (synthetic organic chemicals), THM's, atrazine, benzene, pesticides, tastes, odors and hundreds of potential contaminants and harmful chemicals from the water supply entering your home.

**Nanotech Media Product**  
The technologically advanced Nanotech Media product is an innovative solution that prevents all of the negative effects of calcium and magnesium, while allowing the positive health benefits to remain. The system is maintenance free, chemical free, salt free and does not require costly regeneration and backwashing.

**Major Contaminants Addressed**

- CHLORAMINE
- VOLATILE ORGANIC COMPOUNDS (VOC'S)
- SYNTHETIC ORGANIC COMPOUNDS (SOC'S)
- THM (chlorine by product)
- PAH (chloramine by product)
- PESTICIDES
- HERBICIDES
- INDUSTRIAL SOLVENTS

**Our Unique Manufacturing Process**  
Has worked closely with our customers to understand their problems, explore possible solutions, and then bring those solutions to life through our top of the line scientific and manufacturing capabilities.

**Nanotech Media Product Development**  
Our environmentally safe Nanotech Media product was initially developed in Germany to serve as an alternative to commercial softeners used for scale control. Because commercial softeners discharge sodium into waste water supplies during the regeneration process, many of our European companies were faced with expensive discharge government permits and needed a cost effective alternative. Another reason for the development of the Nanotech Media product was to address the heightened concern by European health and research agencies that through the usage of residential softeners in second and third world countries, calcium and magnesium were being removed from home water supplies and causing serious health problems due to the lack of these vital minerals and the excess of sodium in the drinking water. The Nanotech Media addresses both of these concerns and is a major breakthrough in the anti-scaling water treatment market for both commercial and residential applications and has proven to be a successful alternative to commercial and residential softeners.

**NanoTech Media**  
The technologically advanced NanoTech Media is an innovative solution that prevents all of the negative effects of calcium and magnesium, while allowing the positive health benefits to remain. The system is maintenance free for the home owner, chemical free, salt free and does not require costly regeneration and backwashing.

**MEDIAS**

**Nanotech Media ASR**  
Nanotech ASR is a ferro hydroxide based arsenic adsorption media. It treats Arsenic III and V. The special production and drying procedure of the granulate make it very robust and stable.

**Nanotech Media Product**  
Nanotech anti-scale new filter media, to first remove the already existing scale from pipes and heat exchanger surfaces (descaling effect) and further to protect the system from future formation of scale (scale protection effect).

**Nanotech Media HSR**  
Nanotech Media HSR H2S removal media is the most effective media for the removal of Chlorine, Chloramine, Ammonia, Fluoride, Pharmaceuticals, hydrogen sulfide from water supplies. Nanotech Media HSR H2S removal can reliably remove Hydrogen Sulfide up to 25 ppm. Contact USA Water Quality office for more information on this revolutionizing product.

**The Principal Behind Our Anti-Scale Media**  
The principal behind our anti-scale media is quite simple even though the manufacturing process is complex. The Nanotech media product water media acts as a catalyst by accelerating the transformation of the calcium and magnesium minerals into harmless "Nano" particles. When the inlet water goes into the water conditioner tank, the up flow pulls the water through the fluidized Nanotech media product which then acts as a catalyst, and pulls the hardness minerals of calcium and magnesium out of the solution and then transforms these minerals into inactive Nano crystal particles. Because the hardness minerals have been transformed into Nano particles, these Nanoscopic particles make their way through plumbing systems without attaching on to pipes, fixtures, valves, or heating elements. An important secondary benefit is that the existing scale in pipes and equipment is also dissolved over time. The manganese and calcium already built up on the walls of pipes and equipment will slowly dissolve and in just a few short weeks mineral build up will be eliminated.