



## **GWT Natural Calcite Remineralization Media**

### **Product Application Data Sheet**

GWT series Calcite remineralization media is a natural calcium carbonate filtration media. One of the several advantages of Calcite media is its self-limiting pH characteristic. When properly used, this re-mineralization media adjusts pH only enough to reach a non-corrosive equilibrium for neutral pH of 7. This media does not over adjust under normal conditions. Upon contact of water with Calcite media, acidic water slowly dissolves the calcium carbonate to raise the acidic pH level which reduces the potential for leaching of copper, lead and other metals found in typical plumbing systems. Calcite media can be used in both up flow and down flow system configuration based on application and pH adjustment needed. For higher flow rates or larger pH adjustment required, periodic back washing will prevent packing, it will reclassify the filtration bed and maintain high water flow rates. Depending on the pH level, water chemistry and water flow, Calcite filtration media will need to be periodically added as the Calcite is depleted.

#### **PHYSICAL PROPERTIES**

Density (lb/ft<sup>3</sup>): 90  
Specific Gravity: 2.7  
Hardness: 3.0 Mohs scale  
Color: Near White  
Mesh Size: 16x40

#### **CONDITIONS OF OPERATION**

Service flow (gpm/ft<sup>2</sup>): 3-6 (can be adapted)  
Backwash flow (gpm/ft<sup>2</sup>): 8-12  
Water pH Range: 5-7  
Filter Bed Depth: 24"-30"  
Gravel Under bed Recommended

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# Applications:

## Drinking Water Treatment:

- pH adjustment
- Re-mineralization

## Process Water Treatment:

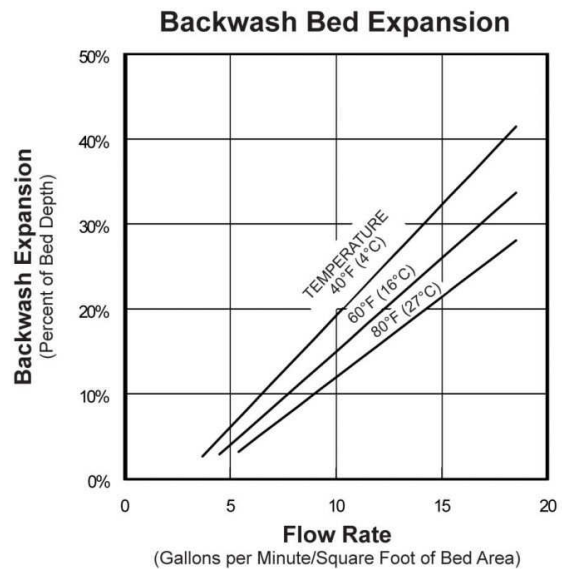
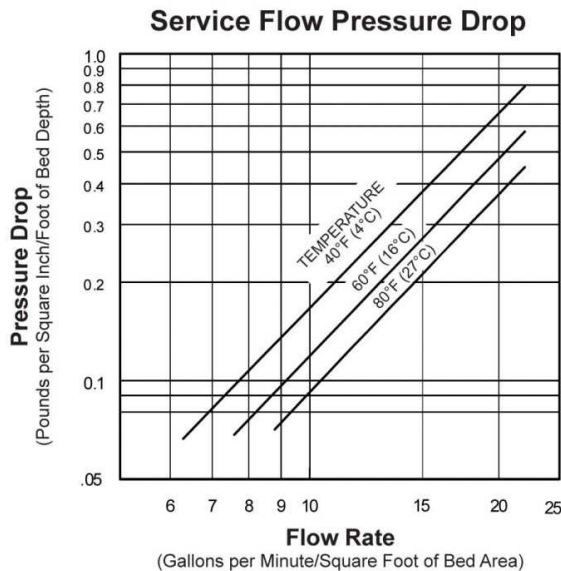
- pH adjustment
- Re-mineralization

## BENEFITS & ADVANTAGES

- ▲ Natural filtration media
- ▲ Cost Effective media for pH control and re-mineralization
- ▲ Self Limiting Properties
- ▲ Slower reacting for controlled pH correction
- ▲ Low uniform coefficient

*NSF Certified - Packaged in 50 pound (22.72 kg) bags.*

*Sold in Pallet Quantities of (50) bags per pallet or Truckload Quantities of 10 pallets or 20 pallets.*



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