REV 0421

Calcite

Calcite is a crushed and screened white marble material which can be inexpensively used to neutralize acidic or low pH waters to a neutral non-corrosive effluent.

Acidic waters on contact with Calcite slowly dissolve the calcium carbonate media to raise the pH which effectively neutralizes the potential leaching of copper and other metals found in typical plumbing systems. Periodic backwashing will prevent packing and maintain high service rates. Depending on pH and service flow, the Calcite bed will have to be periodically added to as the dissolved Calcite depletes.

As the Calcite calcium carbonate neutralizes the water, it will increase hardness and a softener may become necessary after the neutralizing filter.

ADVANTAGES

High uniformity coefficient for maximum contact for controlled pH correction.

- Slower reacting
- Inexpensive

PHYSICAL PROPERTIES

Color	near white			
Composition	$CaCo_3$, 95% min.			
$MgCO_3$	3.0% max.			
Weight	100 lbs., per cu.ft.			
Screen	#16	#20	#30	#50
Percent Retained	1%	15%	25-48%	-
Percent Passed	-	-	-	15%

CONDITION OF OPERATION

1. pH — 5 to 6
2. Bed depth — 24 - 30”
3. Backwash rate — 8 to 12 gpm per sq. ft.
4. Backwash bed expansion — 35% of bed depth
5. Service flow rates — 5 to 6 gpm per sq. ft.

RESINTECH® INC.
INNOVATIONS IN ION EXCHANGE

CORPORATE HEADQUARTERS 1801 Federal Street Camden, NJ 08105 USA PHONE 856.768.9600 FAX 856.768.9601 EMAIL info@resintech.com WEB resintech.com

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