

CALCITE

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



ADVANTAGES

- Naturally occurring material.
- Low uniformity coefficient for maximum contact for controlled pH correction.
- Slower reacting for controlled pH correction.
- Inexpensive.
- Certified to NSF/ANSI/CAN Standard 60.

Calcite is a naturally occurring calcium carbonate media. One of the advantages of Calcite is its self-limiting property. When properly applied, it corrects pH only enough to reach a non-corrosive equilibrium. It does not overcorrect under normal conditions. Upon contact with Calcite, acidic waters slowly dissolve the calcium carbonate to raise the pH which reduces the potential leaching of copper, lead and other metals found in typical plumbing systems. Periodic backwashing will prevent packing, reclassify the bed and maintain high service rates. Depending on pH, water chemistry and service flow, the Calcite bed will have to be periodically replenished as the Calcite is depleted.

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

Calcite can be effectively combined with Clack Corosex to combine the high flow neutralization properties of Corosex, along with the slower reacting low flow properties of Calcite, increasing the ability to correct low pH.

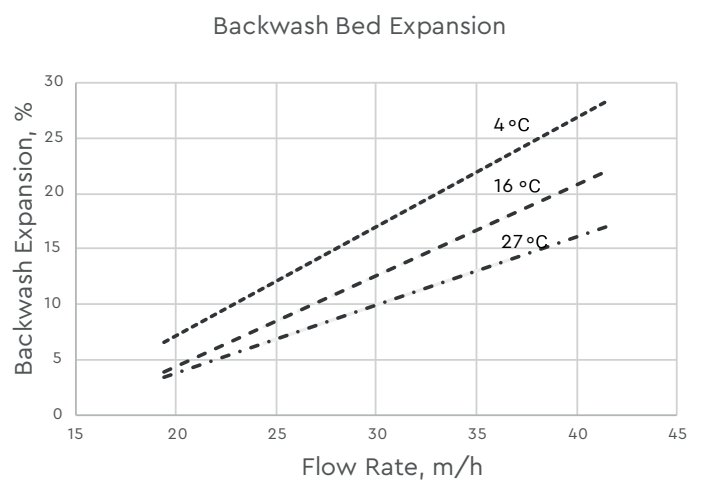
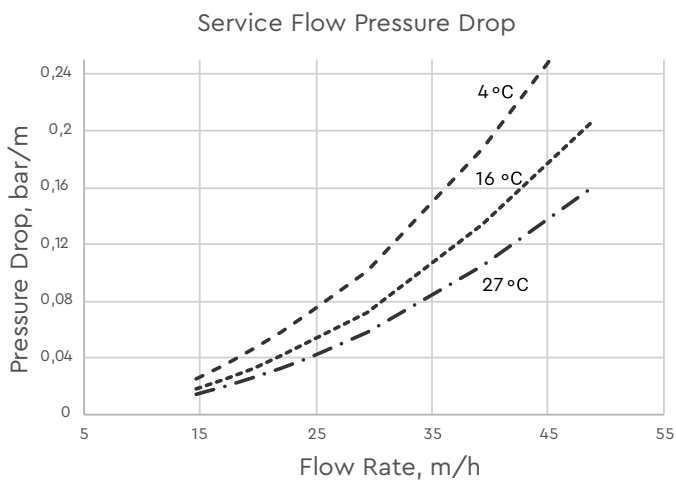
PHYSICAL PROPERTIES

Color	Near white
Bulk Density, g/cc	1.44
Size, mm mesh	0.425-1.18 16 × 40
Specific Gravity, g/cc	2.7
Effective Size, mm	0.4
Uniformity Coefficient	1.5
Hardness (Mohs scale)	3.0
Composition:	
CaCO ₃ , % min	95
MgCO ₃ , % max	3.0

CONDITIONS FOR OPERATION

Water pH range	5.0-7.0
Bed depth, m	0.6-0.8
Freeboard of bed depth, min., %	50
Backwash rate, m/h	20-30
Backwash bed expansion, min., %	12
Service flow rate*, m/h	7-15
A gravel support bed is recommended	

*may be modified to adapt to local conditions



Code	Description	Bag Volume, l	Bag Weight, kg
A8021-01	Calcite filter media 15.6 L	15.6	22.5

Calcium Carbonate Calcite is manufactured by Imerys Marble Inc.

The information and recommendations in this publication are based on data we believe to be reliable. They are offered in good faith, but do not imply any warranty or performance guarantee, as conditions and methods of use of our products are beyond our control. The filter medias listed in this brochure do not remove or kill bacteria. Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.