

Acid Neutralizing Media Data Sheet

CQ-Ca® Acid Neutralizing Media

Crystal Quest CQ-Ca contains naturally occurring , crushed and screened white marble, calcium carbonate media. It is used to neutralize acidic or low pH water waters to a neutral, less corrosive effluent.

Acidic water can leach unhealthy levels of copper from pipes and cause greenish-blue stains on fixtures. It can cause many other corrosion problems as well and drastically shorten the life of all water using equipment, including dishwashers, washing machines, hot water heaters as well as fixtures. When acid pH water (below 6.8) is passed through the filter, calcium carbonate is slowly dissolved into the water, increasing the pH to a neutral level. The media slowly dissolves over time and will need to be re-filled. Refill intervals depend on the amount of water you use, and the pH of your raw water entering the unit.

ADVANTAGES

- Low cost and support-free operation
- Effective pH increase
- No harmful effects in drinking water

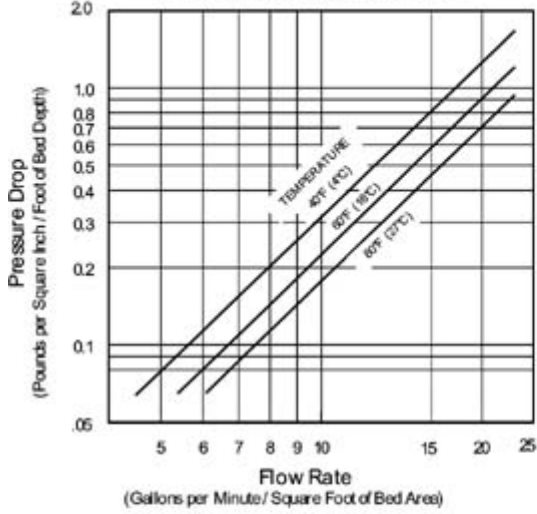
PHYSICAL PROPERTIES

- Color: Near white
- Bulk Density: 90 lbs./cu. ft.
- Mesh Size: 16 x 40
- Specific Gravity: 2.7
- Effective Size: 0.4 mm
- Uniform Coefficient: 1.5
- Hardness: 3.0 (Mohs scale)
- Composition: CaCO₃, 95% min. MgCO₃, 3.0% max.

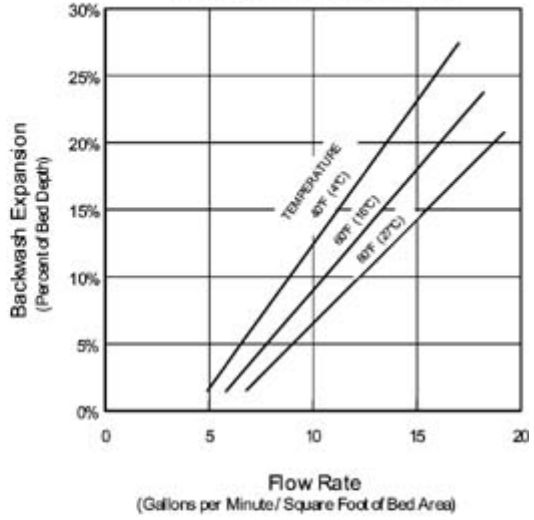
CONDITIONS FOR OPERATION

- A gravel support bed is recommended
- Water pH range: 5.0-7.0
- Bed depth: 24-30 in.
- Freeboard: 50% of bed depth (min.)
- Backwash rate: 8-12 gpm/sq. ft.
- Backwash Bed Expansion: 35% of bed depth
- Service flow rate: 3-6 gpm/sq. ft. but may be modified to adapt to local conditions

Service Flow Pressure Drop



Backwash Bed Expansion



Tested and listed under ANSI/NSF Standard 60 for Health Effects.