SOFTENING RESIN

PROSOFT™ GOLD

ProSoft Gold — We found a way to save you some money here and still get the job done. A 7% crosslinked softening resin that is for low or non-chlorinated waters. ProSoft Gold is perfect for well water and non-turbulator applications. Excellent exchange capability and every bag is prewashed and rinsed so you don't have to do it in the field.

FEATURES

- Optimized for residential softener applications
- Uniform particle size, low pressure drop
- Superior physical stability
- Low color throw
- Conforms to paragraph 21CFR173.25 of the Food Additives Regulations of the US FDA
- Certified to NSF/ANSI Standard 44/61 *

* NSF/ANSI-61 compliance requires conditioning with a minimum 20 bed volume rinse prior to first use.

Physical Properties

Polymer Structure	Styrene/DVB
Polymer Type	Gel
Functional Group	Sulfonic Acid
Physical Form	Spherical beads
Resin Color	Amber
Ionic Form, as shipped	Sodium
Total Capacity	
Sodium Form	> 1.8 meq/mL
Water Retention	
Sodium Form	40 to 52%
Screen Size Distribution	16 to 50 (US mesh)
Maximum Fines Content	1% (< 50 mesh)
Minimum Sphericity	90%
Uniformity Coefficient	1.6 approx.
Approximate Shipping Weight	
Sodium Form	50 lb/cu.ft.

Part Number

Sodium Form	ER10001

Suggested Operating Conditions

Maximum Temperature	
Sodium Form	250°F (121°C)
Minimum Bed Depth	24 inches
Backwash Expansion	25 to 50%
Maximum Pressure Loss	25 psi
Operating pH Range	0 to 14
Regenerant Concentration	
Salt Cycle	10 to 15% NaCl
Regenerant Level	4 to 15 lb/cu.ft.
Regenerant Flow Rate	0.5 to 1.5 gpm/cu.ft.
Regenerant Contact Time	> 20 minutes
Displacement Flow Rate	Same as dilution water
Displacement Volume	10 to 15 gal/cu.ft
Rinse Flow Rate	Same as service flow
Rinse Volume	35 to 60 gal/cu.ft.
Service Flow Rate	1 to 10 gpm/cu.ft.

CAUTION: DO NOT MIX ION EXCHANGE RESINS WITH STRONG OXIDIZING AGENTS. Nitric acid and other strong oxidizing agents can cause explosive reactions when mixed with organic materials such as ion exchange resins.

Note: These suggestions and data are based on information we believe to be reliable. However, we do not make any guarantee or warranty. We caution against using these products in any unsafe manner or in violation of any patents. Further, we assume no liability for the consequences of any such actions.

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MEMBER Water Quality ASSOCIATION

FORM 1132
EFFECTIVE
AUGUST 2021

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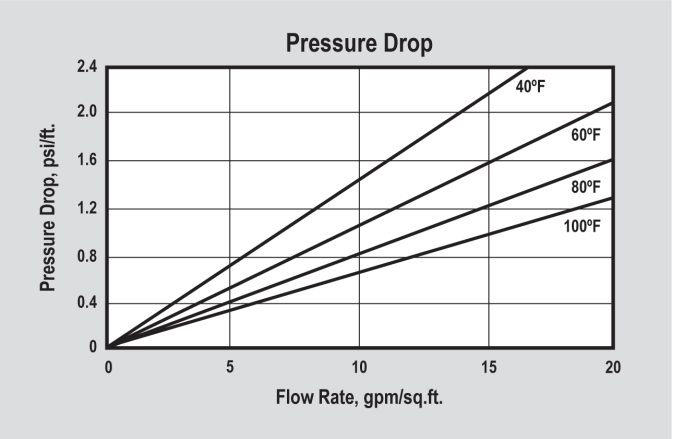
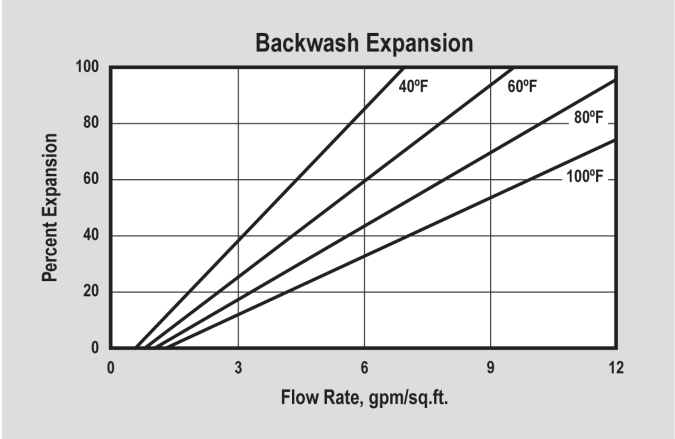


PRESSURE DROP — *The graph above shows the expected pressure loss per foot of bed depth as a function of flow rate at various temperatures.*

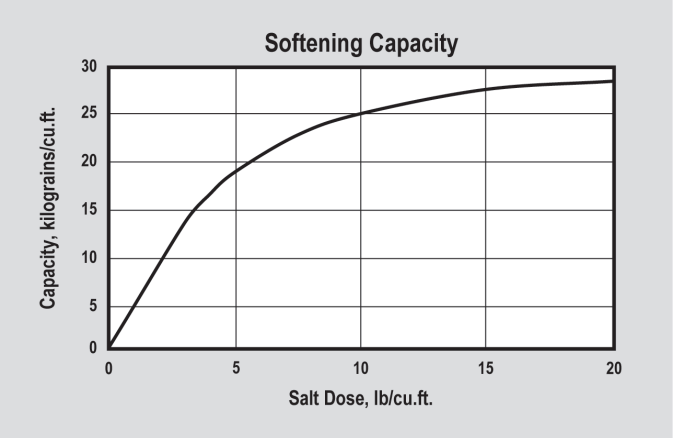


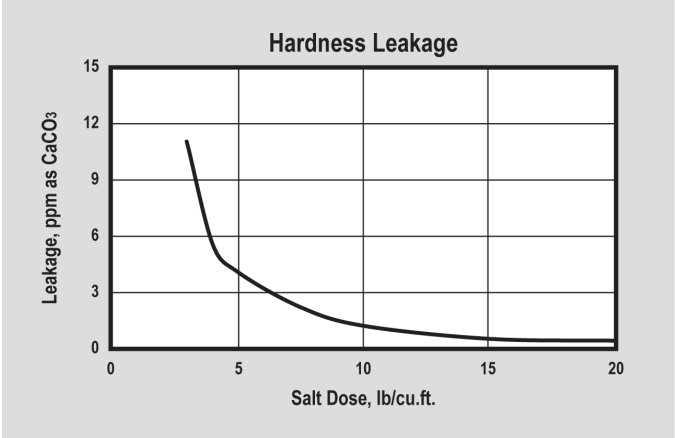
BACKWASH — *The graph above shows the expansion characteristics as a function of flow rate at various temperatures.*

APPLICATIONS

Softening

ProSoft Gold is a standard crosslinked cation resin optimized for residential and commercial applications. This type of resin is easier to regenerate than the higher crosslinked resins. ProSoft Gold has marginal resistance to chlorine and other oxidants and is not ideal for high temperature and other high stress applications.





CAPACITY AND LEAKAGE — *Capacity and leakage data are based on 2:1 Ca:Mg ratio, 500 ppm TDS as $CaCO_3$, 0.2% hardness in the salt, and 10% brine concentration applied co-currently through the resin over 30 minutes. No engineering downgrade has been applied.*

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