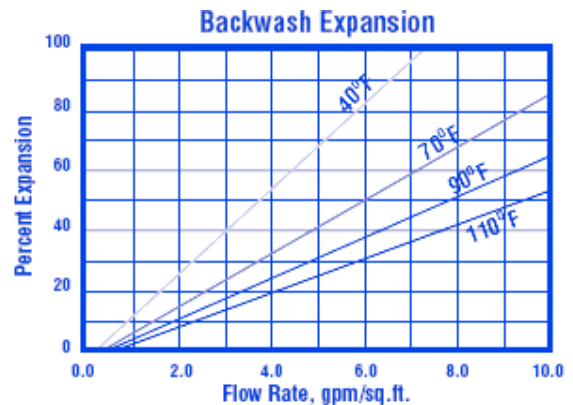
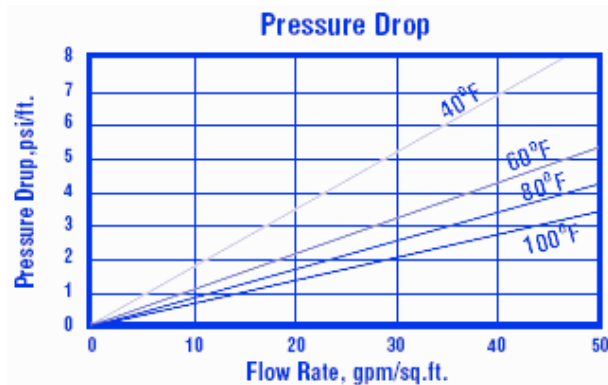




### Suggested Operating Conditions

Maximum Temperature		
	Na <sup>+</sup> form	150°C (300°F) max.
	H <sup>+</sup> form	100°C (212°F) max.
Minimum Bed Depth		0.6 m (24 inches)
Backwash Rate		25-50% Bed Expansion
Regeneration		
	Sodium Cycle	8-20% NaCl
	Hydrogen Cycle	10% HCl, 2-8% H <sub>2</sub> SO <sub>4</sub>
	Flow Rate	2 to 7 BV/h (0.25 to 0.90 gpm/cu.ft)
	Contact Time	At least 30 Minutes
Displacement Rinse Rate		Same as Regenerant Flow Rate
Displacement Rinse Volume		10 -15 gallons/cu.ft
Fast Rinse Rate		Same as Service Flow Rate
Fast Rinse Volume		35-60 gallons/cu.ft
Service Flow Rate		4-8 BV/h (1.0-5.0 gpm/cu.ft)

### Hydraulic Properties



**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:** After each cycle the resin bed should be backwashed at a rate that expands the bed 50 to 75 percent. That will remove any foreign matter and reclassify the bed. The graph above shows the expansion characteristics of C003 in the sodium form.