

IONLITE C-258F

STRONG ACID CATION EXCHANGE RESIN,
SODIUM SOFTENING, Na⁺ FORM

(001 x 7 Na)

PHYSICAL & CHEMICAL PROPERTIES

Polymer Structure		Crosslinked Polystyrene
Functional Group		Sulphonic Acid
Ionic Form As Shipped		Na ⁺
Structure		gel type
Appearance		brownish yellow
Total Exchange Capacity, Volume	meq/ml	min. 1.9
Water Retention	%	45 - 50
Solubility		insoluble in all common solvents
Bulk Weight	±5%	820 g/l
Bead Size (≥ 95%)	mm	0.71 - 1.25
Effective Size	mm	0.75 - 0.95
Uniformity Coefficient		max. 1.4
Roundness After Wearing	%	min. 90
Total Reversible Swelling (Na ⁺ →H ⁺)	%	8 - 10
Standard Packing		In 25 liter or 20 kg per bag

SUGGESTED OPERATING CONDITIONS

Minimum Bed Depth	mm	750	
Operating pH Range		1 - 14	
Max. Operating Temperature	°C	≤120 (Na ⁺)	≤100 (H ⁺)
Standard Operating Flow Rate	m/hr	10 - 45	
Regenerant		HCl	NaCl
Concentration	%	4 - 6	8 - 10
Consumption	regenerant vol. : resin vol.	2 - 3 : 1	1.5 - 2 : 1
Flow Rate	m/hr	4 - 6	
Contact Time	minute	approx. 30 - 60	
Slow Rinse			
Flow Rate		@Regen Flow Rate	
Volume	BV	1 - 2	
Fast Rinse			
Flow Rate		@Service Flow Rate	
Volume	BV	3 - 5	
Max. Turbidity	NTU	5.0	
Max. Free Chlorine	ppm	1.0	

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FIGURE 1 : Backwash Data

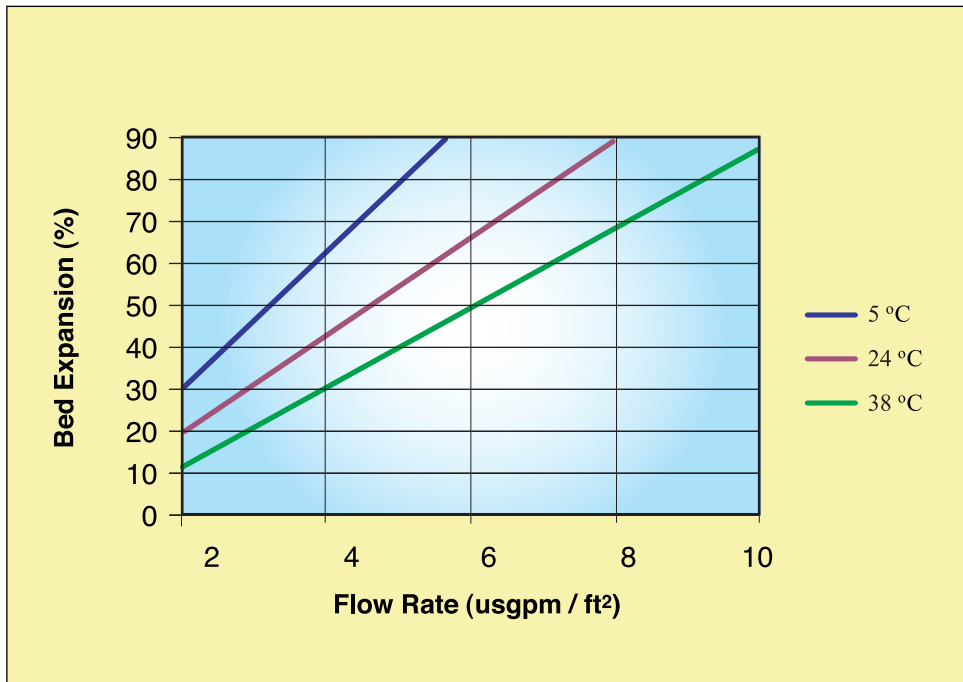


FIGURE 2 : Pressure Drop Data

