

Ionac® SR 7

Recommended Operating Parameters

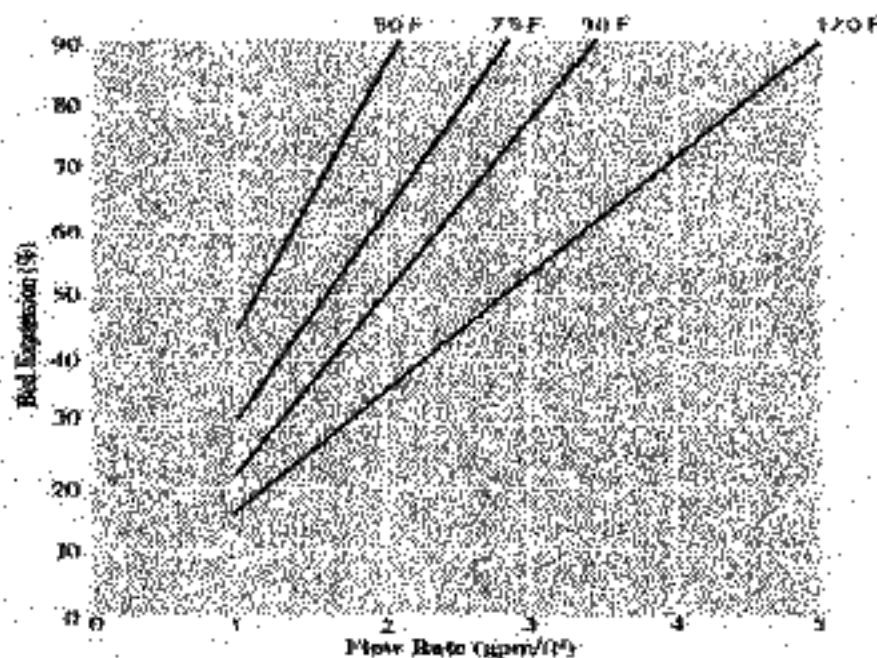
US Units

International Units

Operating Temperature		max. °F	160	max. °C	70	
Operating pH-range			5 - 10		5 - 10	
Bed Depths		min. ft	2	min. mm	610	
Pressure Drop			see chart		see chart	
Max. adm. Pressure drop		psi	28	kPa	200	
Surface Flow Rate	exhaustion	gpm/ft ²	2 - 10	m/h	5 - 24	
	backwash	gpm/ft ²	see chart	m/h	see chart	
Bulk Flow Rate		exhaustion	gpm/ft ³	1 - 6	BV/h	8 - 48
Bed Expansion			%	50 - 65	ca. %	50 - 65
Freeboard		% of bed depth	%	90 - 100	%	90 - 100
Regenerant		type		NaCl		NaCl
		level	lb/ft ³	5 - 20	ca. g/l	80 - 320
		concentration	%	5 - 12	%	5 - 12
Surface Flow Rate	regeneration	gpm/ft ²	0.4 - 4	m/h	1 - 10	
	rinsing, slow / fast	gpm/ft ²	0.4 - 4 / 2 - 10	m/h	1 - 10 / 5 - 24	
Bulk Flow Rate	regeneration	gpm/ft ³	0.25 - 1	BV/h	2 - 8	
	rinsing, slow / fast	gpm/ft ³	0.25 - 1 / 1 - 6	BV/h	2.5 - 32 / 8 - 48	
Rinsing Water Requirement		slow / fast	gals./ft ³	7 - 15 / 25 - 60	ca. BV	1 - 2 / 3 - 8

Some of the end uses of the products described in this bulletin must comply with applicable regulations, such as the FDA, NSF, USDA, and CPSC. If you have any questions on the regulatory status of these products, contact your Sybron representative or Bayer's Regulatory Affairs Manager in Pittsburgh, PA.

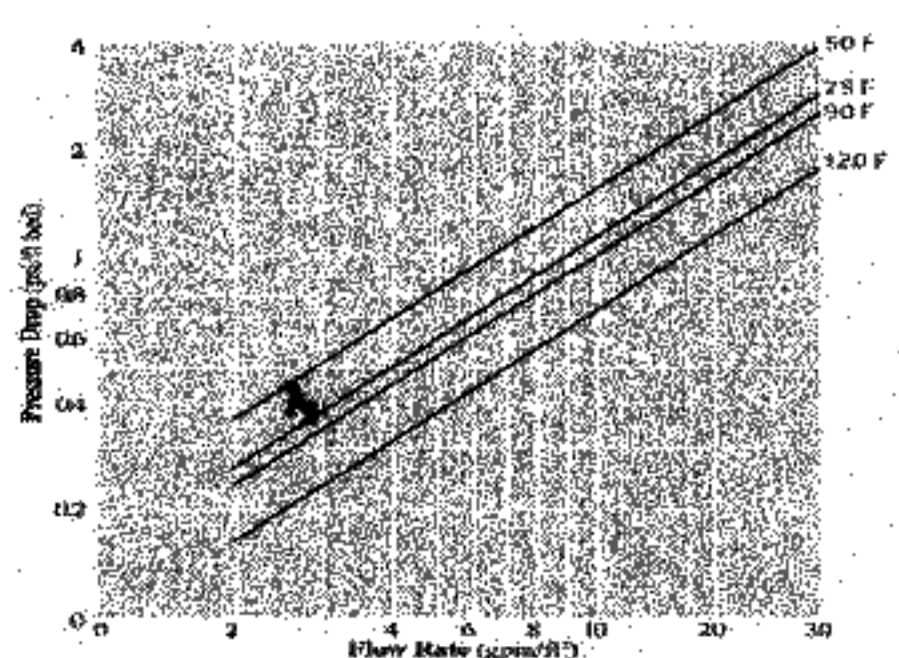
Bed Expansion Curve



$$^{\circ}\text{C} = 5/9 (^{\circ}\text{F} - 32)$$

$$\text{m} = \text{ft} * 0.3048$$

Pressure Loss Curve



$$\text{kPa} = \text{psi} * 7.03$$

$$\text{m/hr} = \text{gpm/sq.ft.} * 2.44$$

Note: The information contained in this bulletin is current as of April 2003. Please contact Sybron Chemicals Inc. to determine whether this publication has been revised.

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