

A Bayer 💮 Company

Ionac[®] Macro-T

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Ionac Macro-T is a strongly basic, macroporous-type anion exchange resin based on a acrylic-divinylbenzene copolymer. Due to its acrylic structure, **Macro-T** provides superior resistance to organic fouling and has the unique ability to remove and release tannins during the service and regeneration cycles. **Macro-T** is the resin of choice for residential and industrial water treatment systems where organic tannins are present.

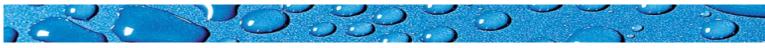
Ionac Macro-T applications*:

demineralization, organic scavenger - residential and industrial

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Typical physical and chemical properties**		US Units		International Units	
lonic form as shipped			Cľ		CI
Bead size	> 90%	US mesh	16 - 50	mm	0.3 - 1.25
Effective size		mm	0.47 +- 0.06	mm	0.47 +- 0.06
Shipping weight		lbs/ft ³	45	g/l	720
Density				g/ml	1.04
Water retention		% weight	60 - 64	%	60 - 64
Total capacity, min.		kgr CaCO ₃ / ft ³	24	eq/l	1.1
Volume change	Cl ⁻ >> OH ⁻	max. %	20	max. %	20
Stability	temperature range	°F	34 - 104	°C	1 - 40
	pH range		0 - 14		0 - 14
Storability	of product	min years	2	min. years	2
	temperature range	°F	34 - 104	°C	1 - 40

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling lonac Macro-T. Before working with this product, you must read and become familiar with the available information on its hazards, proper use, and handling. This cannot be overemphasized. Information is available in several forms, e.g., material safety data sheets and product labels. Consult your Sybron Chemicals Inc. representative or contact Bayer's Product Safety and Regulatory Affairs Department in Pittsburgh, PA.



*As with any product, use of the products mentioned in this publication in a given application must be tested (including field testing, etc.) in advance by the user to determine suitability. **These items are provided as general information only. They are approximate values and are not part of the product specifications.

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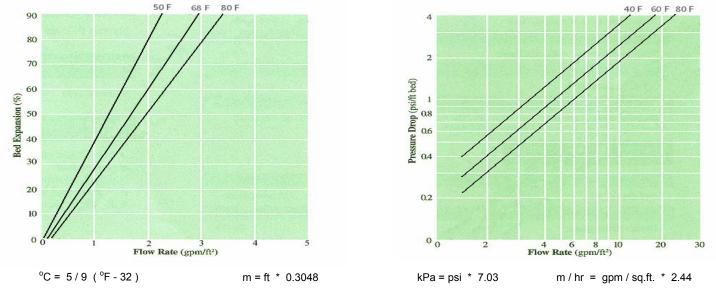
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Recommended Operating Parameters		US Units		International Units	
Operating Temperature		max. °F	170	max. °C	77
Operating pH-range			0 - 14		0 - 14
Bed Depths		min. ft	2	min. mm	610
Pressure Drop			see chart		see chart
Max. adm. Pressure drop		psi	28	kPa	200
Surface Flow Rate	exhaustion	gpm/ft ²	2 - 10	m/h	5 - 25
	backwash	gpm/ft ²	see chart	m/h	see chart
Bulk Flow Rate	exhaustion	gpm/ft ³	1 - 4	BV/h	8 - 32
Bed Expansion		%	50 - 65	%	50 - 65
Freeboard	% of bed depth	%	90 - 100	%	90 - 100
Regenerant	type		NaCl KCl		NaCl KCl
	level	lb/ft ³	10 - 20	g/l	160 - 320
	concentration	%	6 - 10	%	6 - 10
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 - 25
Bulk Flow Rate	regeneration	gpm/ft ³	0.25 - 1	BV/h	2 - 8
	rinsing, slow / fast	gpm/ft ³	0.25 - 1 / 1 - 4	BV/h	2.5 - 32 / 8 - 32
Rinsing Water Requirement	slow / fast	gals./ft ³	7 - 15 / 25 - 50	BV	1-2 / 3-7







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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