



Lewatit MonoPlus™ MP 64

Lewatit MonoPlus MP 64 is a weakly basic, macroporous-type anion exchange resin of uniform particle size (monodispersed) based on a styrene-divinylbenzene copolymer. The monodispersed resin beads are chemically and osmotically highly stable. The optimized kinetics lead to an increased operating capacity compared to ion exchange resins with heterodispersed bead size distribution.

Lewatit MonoPlus MP 64 applications*:

demineralization, electroplating rinse water

Typical physical and chemical properties** **US Units** International Units

lonic form as shipped			FB		FB
Mean bead size	> 90%	mm	0.59 +- 0.05	mm	0.59 +- 0.05
Uniformity coefficient		max.	1.1	max.	1.1
Shipping weight		lbs/ft³	41	g/l	660
Density				g/l	1.04
Water retention		% weight	61 - 66	%	61 - 66
Total capacity, min.		kgr CaCO ₃ / ft³	28	eq/I	1.3
Volume change	FB >> Cl ⁻ / SO ₄	max. %	24	max. %	24
Stability	temperature range	°F	34 - 212	°C	1 - 100
-	pH range		0 - 14		0 - 14
Storability	of product	min years	2	min. years	2
-	temperature range	°F	-4 - 104	°C	-20 - 40

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling Lewatit MonoPlus MP 64. 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 form 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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Contact Us:

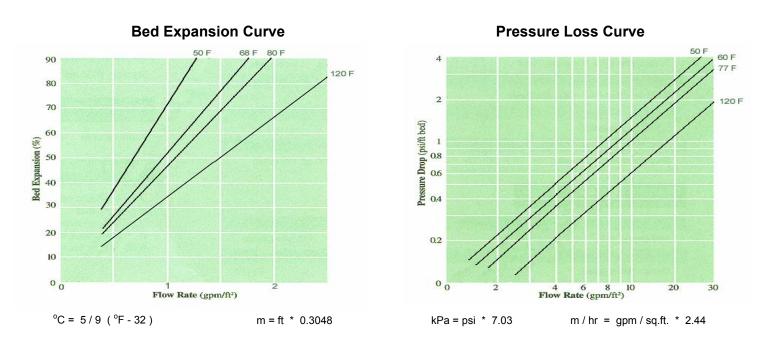
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Recommended Operating Parameters		US Units		International Units	
Operating Temperature		max. °F	160	max. °C	70
Operating pH-range			0 - 7		0 - 7
Bed Depths		min. ft	2.6	min. mm	800
Pressure Drop			see chart		see chart
Max. adm. Pressure drop		psi	43	kPa	300
Surface Flow Rate	exhaustion	gpm/ft ²	2 - 25	m/h	5 - 60
	backwash	gpm/ft²	see chart	m/h	see chart
Bulk Flow Rate	exhaustion	gpm/ft ³	1 - 6	BV/h	8 - 48
Bed Expansion		%	see chart	%	see chart
Freeboard	% of bed depth	%	90 - 100	%	90 - 100
Regenerant	type		NaOH		NaOH
	level	lb/ft ³	3 - 6	g/l	48 - 96
	concentration	%	2 - 4	%	2 - 4
Surface Flow Rate	regeneration	gpm/ft ²	0.4 - 4	m/h	1 - 10
	rinsing, slow / fast	gpm/ft ²	0.4 - 4 / 2 - 25	m/h	1 - 10 / 5 - 60
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 - 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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