General Duty Chemical Mixers

Building and distributing dependable, quality products for a technologically expanding industry

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Consistent chemical dispersal is crucial to any chemical treatment program. Bulk chemical delivery programs and neglected chemical work stations will help stratify your chemical drum in turn offering uneven results. **General Treatment Products** Industrial Chemical Mixers are designed to blend one or more different chemicals to make a quality consistent mixture.

"GTP" quality line of mixers are excellent for use with chemical feed stations up to 1000 gallons, making them an essential accessory for many applications.

Standard features like, 1/15HP to 2HP, 4 mount configurations, 3 mixing impellers, 316SS shaft and 115VAC factory pre-wired, and with options from 316SS coupling, Epoxy and Teflon coated shafts, motor starters and control panels, the perfect **"GTP"** mixer is waiting for you.

FLUID VISCOSITY	TANK SIZE IN GALLONS											
	5	10	15	30	50	80	100	200	300	400	500	1000
1 CPS	1/15HP	1/15HP	1/15HP	1/15HP	1/15HP	1/6HP	1/4HP	1/3HP	1/2HP	3/4HP	1HP	2HP
100 CPS	1/15HP	1/15HP	1/15HP	1/15HP	1/4HP	1/4HP	1/3HP	1/2HP	1HP	1 1/2HP	1 1/2HP	
300 CPS	1/15HP	1/15HP	1/15HP	1/4HP	1/3HP	1/3HP	1/2HP	1HP	1 1/2HP	2HP		
500 CPS	1/15HP	1/15HP	1/4HP	1/3HP	1/2HP	1/2HP	1HP	1 1/2HP				

Notes: **1)** Solutions over 1000 CPS should be slowly agitated, **Low Speed Mixers coming soon.**
2) The "High Speed Mixer Sizing Graph" above is for basic, fluid blending. Solid suspension and dry chemical blending needs. Application & chemical compatibility should be verified with the factory before sale.
3) Above mixer graph is a guideline, not a guarantee.

The level of mixing is determined by the pumping effect or dynamic response that the mixer imparts into the fluid. When a mixing impeller rotates in the fluid, it generates a combination of flow and shear.

To calculate impeller flow, use the following equation:

*Flow (GPM) = (Imp # * RPM * IMP Dia^3) / 231*

Imp # = "E" = 0.3, "P" = 0.5, "N" = 0.09

(Flow GPM is not turn over. Tank geometry plays in the outcome, consult factory)

To calculate power draw, use the following equation:

*Power (HP) = (Power # * RPM^3 * Imp Dia^5 * SG * CPS) / (1.525 * 10^{13})*

Power #: "E" = 0.5, "P" = 0.8, "N" = 10

Please contact the factory for more information, calculations and application expertise.

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