

Chem-Mix "MH" Series

High Speed Micro-Horsepower Mixers Specification 01600020 Rev. B

Written: October 2010

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★ 1.0 DESCRIPTION

1.1 INDUSTRIAL HIGH SPEED MIXER: "MH" Micro-Horsepower Mixers Shall be manufactured by General Treatment Products, or approved equal and consist of a factory pre-wired TE motor, coupling, enamel painted carbon steel mount assembly, stainless steel mounting hardware and 316 stainless steel shaft and axial impeller assembly. Mixer assembly shall be balanced and ready to install.

HIGH SPEED MIXER SIZING GRAPH

FLUID VISCOSITY	Tank Size in Gallons				
	5 GAL	10 GAL	15 GAL	30 GAL	50 GAL
1 CPS	1/70	1/50	1/30	1/15	1/15
100 CPS	1/50	1/30	1/15	1/15	
300 CPS	1/30	1/15	1/15		
500 CPS	1/15	1/15			

Note: Contact GTP for tank sizes or viscosities not listed.

★ 2.0 MATERIALS

2.1 MOUNT: Mount shall be fabricated carbon steel and have stainless steel mounting hardware. Mount shall not need any special tools for installation. Mount shall be painted with oil based enamel. Mounting options shall include:

- "B" Adjustable bracket mount assembly
- "C" Adjustable clamp mount assembly
- "T" 2" MNPT threaded mount assembly
- "F" Flange mount assembly
- "X" No mount assembly

2.2 MOTOR: Motor horse power shall be as stated in graph above. Motor shall be factory pre-wired for 115VAC 1 phase 60 hertz to ensure proper motor rotation. Motor shall be totally enclosed. Choose mixer motor size based on gallons and fluid viscosity as listed above, available options are:

- "0014" 1/70HP TENV pre-wired motor
- "0020" 1/50HP TENV pre-wired motor
- "0033" 1/30HP TENV pre-wired motor
- "0066" 1/15HP TEFC pre-wired motor

2.3 IMPELLER ASSEMBLY: Mixer shall be offered with choice of mixing impeller:

- "E" Economy Stamped Axial Impeller (Propeller)
- "C" Cast Marine Axial Impeller (Propeller)
- "N" Neoprene Radial Impeller

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2.4 SHAFT ASSEMBLY: Shaft assembly shall be 316 stainless steel. Shaft shall be 5/16" round and marked for easy installation in field. Shaft options shall include:

- (") Shorter or longer than standard shaft
- "EK" Green Epoxy Coating
- "TFE" Green Teflon Coating

2.5 COUPLING: Shall be standard brass with stainless steel set screws. Coupling shall be of ample size for mixing loads and be replaceable in the field. Optional Coupling:

- "SSC" 316 Stainless Steel Coupling with Stainless Steel Set Screws

2.6 OPTIONAL FEATURES: Mixer shall include the following options:

- "STS" Suction Tube Shield for Pump Suction Tubing
- "PSW" Power Cord Switch, 1 AMP resistive
- "CPM" Control Panel, motor starter and overload, 12 AMP resistive

★ 3.0 WARRANTY: General Treatment Products Chem-Mix High Speed Mixers are guaranteed for two years from date of shipment against manufacturing defects in material and workmanship which develop in the service for which they are designed. We will repair or replace a defective part of this system when returned to our factory with freight prepaid; providing that the part is found to be defective upon inspection. We assume no liability for labor and/or other expenses in making repairs or adjustments.

★ 4.0 DRAWING, DIMENSIONS & WEIGHTS: See Our website for details.