

# Chem-Mix "HD" Series

## High Speed Heavy Duty Mixers

### Specification 01600029 Rev. B

Written: December 2008

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#### 1.0 DESCRIPTION

1.1 INDUSTRIAL HIGH SPEED MIXER: Shall be manufactured by General Treatment Products, or approved equal and consist of a 1 to 2HP TEFC motor, brass coupling, enamel painted carbon steel mount, stainless steel mounting hardware, 316 stainless steel shaft and axial impeller assembly. Mixer assembly shall be factory balanced, 115VAC wired and ready to install.

HIGH SPEED MIXER SIZING GRAPH (HD Mixers)								
FLUID VISCOSITY	50	80	100	200	300	400	500	1000
1 CPS							1	2
100 CPS					1	1 1/2	1 1/2	
300 CPS				1	1 1/2	2		
500 CPS			1	1 1/2				

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

#### 2.0 MATERIALS

2.1 MOTOR: Motor horse power shall be as stated in graph above. Motor shall be factory pre-wired for 115VAC, 1 phase, and 60 hertz, to ensure proper motor rotation. Motor shall be totally enclosed fan cooled.

2.2 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:

- 316 Stainless Steel Coupling with Stainless Steel Set Screws

2.3 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

2.4 SHAFT ASSEMBLY: Shaft assembly shall is 316 stainless steel with axial impeller (propeller) for maximum mixing action and lower power consumption. Shaft shall be 5/8" round and marked for easy installation in field. Shaft options shall include:

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

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 DIMENSIONS, WEIGHTS: See pricing and associated drawings for details