

# Chem-Mix "GD" Series

## High Speed General Duty Mixers

### Specification 01600025 Rev. B

Written: December 2008

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#### ★ 1.0 DESCRIPTION

1.1 INDUSTRIAL HIGH SPEED MIXER: "GD" General Duty Mixers Shall be manufactured by General Treatment Products, or approved equal and consist of a 1/6 to 3/4HP TEFC motor, brass coupling, enamel painted carbon steel mount assembly, stainless steel mounting hardware, 316 stainless steel shaft and axial impeller. Mixer assembly shall be factory balanced and ready to install.

#### HIGH SPEED MIXER SIZING GRAPH

FLUID VISCOSITY	Tank Size and Gallons							
	15GL	30GL	50GL	80GL	100GL	200GL	300GL	400GL
<b>1 CPS</b>				1/6	1/4	1/3	1/2	3/4
<b>100 CPS</b>			1/4	1/4	1/3	1/2		
<b>300 CPS</b>		1/4	1/3	1/3	1/2			
<b>500 CPS</b>	1/4	1/3	1/2	1/2				

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, and 60 hertz, to ensure proper motor rotation. Motor shall be totally enclosed fan cooled.

- "0166" 1/6HP TEFC pre-wired motor
- "0250" 1/4HP TEFC pre-wired motor
- "0330" 1/3HP TEFC pre-wired motor
- "0500" 1/2HP TEFC pre-wired motor
- "0750" 3/4HP 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

2.4 SHAFT ASSEMBLY: Shaft assembly is 316 stainless steel. Shaft shall be 1/2" or 5/8" round and marked for easy installation in field. Shaft options shall include:

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

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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:

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

"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 DIMENSIONS, WEIGHTS: See pricing and associated drawings for details