



OPERATING INSTRUCTIONS AND PARTS LIST

SERIES HGS BUNG MOUNT, GEAR DRIVE DRUM MIXER: 430 RPM

DESCRIPTION

The Neptune Series HGS high-viscosity gear drive mixer is designed to mount on the standard 2" bung of a 55 gallon closed steel drum. The rugged 430 rpm gearbox provides plenty of torque to permit mixing of high viscosity or shear sensitive fluids. The 30" long 316SS shaft includes six fixed paddles and a folding propeller that fits through the 2" bung and opens to 3.75" when the mixer is operating.

OPERATING SPECIFICATIONS:

MODEL	MOTOR HP	MAX VISCOSITY
HGS-2.0	1/3 HP	4000 CPS
HGS-3.0	1/2 HP	16,000 CPS
HGS-5.0	3/4 HP	24,000 CPS
HGS-6.0	1 HP	32,000 CPS
HGS-4.0	1/4-1/2 HP AIR MOTOR	24,000 CPS
HGS-7.0	3/4-1 HP AIR MOTOR	32,000 CPS

ASSEMBLY INSTRUCTIONS

This mixer requires only minimal assembly. The gear reducer is factory-filled with SAE 40 weight oil however you should check oil level prior to operating mixer.

1. Insert the end of the shaft with a flat into the coupling and tighten the set screws.
2. Attach the propeller to the end of shaft.
3. The motor must be installed, wired and properly fused by qualified personnel in accordance with the latest local and national electrical codes.

OPERATING INSTRUCTIONS

1. Make certain that all hardware on the mixer is completely tightened before operating the mixer.
2. Screw the adapter securely into the 2" NPT bung prior to operating the mixer.
3. Note that folding propeller blades will lift up and open to 3.75" when the mixer is operating.
4. A filter/regulator should be used with air motors.

SAFETY INSTRUCTIONS

Always follow these operating instructions fully. Failure to do so could result in serious bodily injury!

1. Do not touch moving parts or attempt to make adjustments while the mixer is operating!
2. Make certain the mixer is properly grounded!
3. Always wear appropriate safety equipment including face protection when removing the mixer or moving it to another drum!
4. Air motors are designed to be driven by compressed air only and under no circumstances be driven with any other gases!
5. Always disconnect and lockout electric power or air supply before servicing mixer!

MAINTENANCE INSTRUCTIONS

Periodically check and tighten the set screws as necessary.

Also refer to Mixer Safety Supplement NPT-10001-E-01



PSG
22069 Van Buren Street
Grand Terrace, CA 92313 USA

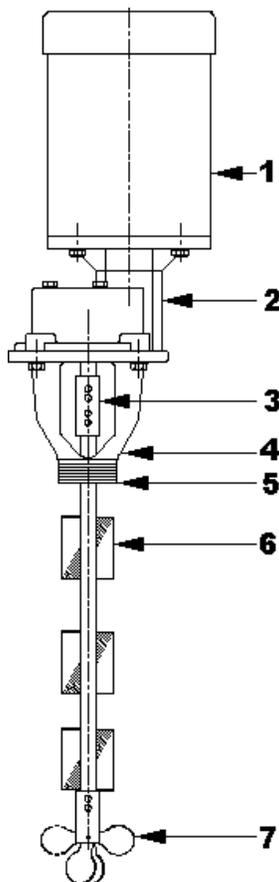
P: +1 (215) 699-8700 F: +1 (215) 699-0370
psgdover.com/neptune

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PARTS LIST



ITEM	PART NUMBER	DESCRIPTION
1	100733	MOTOR, 1/3 HP-1-60-115/230V TEFC
	100737	MOTOR, 1/3 HP-1-60-115/230V EXP
	100735	MOTOR, 1/3 HP-3-60-230/460V-TEFC
	100738	MOTOR, 1/3 HP-3-60-230/460V-EXP
	100740	MOTOR, 1/2 HP-1-60-115/230V-TEFC
	100744	MOTOR, 1/2 HP-1-60-115/230V-EXP
	100742	MOTOR, 1/2 HP-3-60-230/460V-TEFC
	100745	MOTOR, 1/2 HP-3-60-230/460V-EXP
	100781	MOTOR, 1/4 - 1/2HP AIR
	100747	MOTOR, 3/4 HP-1-60-115/230V-TEFC
	100751	MOTOR, 3/4 HP-1-60-115/230V-EXP
	100749	MOTOR, 3/4 HP-3-60-230/460V-TEFC
	100752	MOTOR, 3/4 HP-3-60-230/460V-EXP
	100753	MOTOR, 1 HP-1-60-115/230V-TEFC
	100757	MOTOR, 1 HP-1-60-115/230V-EXP
	100755	MOTOR, 1 HP-3-60-230/460V-TEFC
100758	MOTOR, 1 HP-3-60-230/460V-EXP	
100782	AIR MOTOR, 3/4 - 1HP	
2	106135	GEAR REDUCER
3	002520	5/8" X 5/8" COUPLING
4	000549	BUNG ADAPTER
5	100214	OIL SEAL
6	001565	H SHAFT ASSEMBLY
7	000566	316SS FOLDING PROPELLER

WARRANTY

Neptune Mixers are warranted for material and workmanship. If the mixer has been properly selected for the application and is properly installed Neptune warrants the purchaser of this product for a period of twelve months from the date of first use or eighteen months from shipment, whichever occurs first, that this product shall be free of defects in material and/or workmanship as follows:

1. Neptune will replace, at no charge, any part that fails due to a defect in material and/or workmanship during the warranty period, F.O.B. our factory, North Wales, Pennsylvania. To obtain warranty service, you must forward the defective parts to the factory for examination, freight pre-paid.
2. This warranty period does not cover any product or product part which has been subject to accident, misuse, abuse or negligence. Neptune Mixer Company shall only be liable under this warranty if the product is used in the manner intended by the manufacturer as specified in the written instructions furnished with this product.

Any express warranty not provided in this warranty document, and any remedy for breach of contract that, but for this provision, might arise by implication or operation of law, is hereby excluded and disclaimed. Under no circumstances shall Neptune be liable to purchaser or any other person for any change for labor, repairs, or parts, performed or furnished by others, nor for any incidental consequential damages, whether arising out of breach of warranty, express or implied, a breach of contract or otherwise. Except to the extent prohibited by applicable law, any implied warranty of merchantability and fitness for a particular purpose are expressly limited in duration to the duration of this limited warranty.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitation on how long any implied warranty lasts, so the above limitations may not apply to you. This warranty gives you specific legal rights, and you may have other rights, which may vary, from state to state.



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