

Motor Installation for GV/GVF Series

Thank you for purchasing a World Chemical's magnetic drive self-priming pump. The pump is shipped loosely assembled, and needs to be disassembled before proceeding. Here are the instructions to install a motor to the pump.

1. Disassemble the bracket from the pump and assemble the bracket half to the motor face. Note the relationship between the polymer bracket feet and the motor conduit bracket



4. Assemble the rear casing support to the bracket. Do not remove the casing stud bolts.



2. Tighten the Allen head bolts to assure the bracket is seated to the motor face. Remove your wrist watch---it could become damaged by the outer magnet.



5. Tighten the Allen head cap screws. Check to see if the magnet will rotate without rubbing.



3. Install the outer magnet to the motor using the key (provided with the motor). The magnet should be seated to the shaft as far as possible. Tighten the set screws---remove the polymer bracket if an extended length Allen wrench is not available.



6. Insert the rear casing and check the location of the o-ring towards the pump.



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7. Carefully install the impeller---there is a strong magnetic attraction between the impeller and the outer magnet. Do not let them slam together or pinch your fingers.



9. Cross tighten the front casing nuts. Observe the o-ring during the tightening process. Fill the pump with water and check for leakage at the area of the o-ring---drain the water if you are satisfied that the o-ring is secured and seated properly.



8. Again observe the location of the o-ring and attach the front casing. Discharge must be 180 degrees from the polymer support base.



MODEL	HP	NEMA FRAME	MOTOR BOLT SIZE	QTY
250GV	3/4	56C	3/8" x 1.5"	4
251GV/GVF	1			
252GV/GVF	2			
402GV	2			
403GV/GVF	3			
503GV/GVF	3			
505GV/GVF	5	184TC	1/2" x 1"	