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INSTALLATION

Mounting - Bolt unit securely to Pad Flange welded to the vessel. Mounting fasteners are supplied with agitator unless specified. Total weight is shown on the assembly print. Support structure must be rigid enough to prevent deflection and vibration.

Motor

1. Check the nameplate data on the motor to assure that the available power supply agrees with the motor requirements. Protective devices should be of the proper size and rating to safely carry the load and interrupt the circuit on overloads.
2. If the motor has been stored in a damp location, the winding may require drying. NOTE: Do not obstruct the normal flow of ventilation air through or over the motor.
3. Connect the motor in accordance with the National Electric Code and local requirements, but do not make the connections permanent until the motor rotation has been checked.

Identify motor auxiliary devices such as space heaters or temperature sensors. Connect them in proper circuits and insulate them from motor power cables.

4. Jog the motor to check for correct rotation prior to securing wiring.

Agitator

Correct installation requires both the unit assembly drawing and this manual.

Completely read and understand all of the following instructions before attempting to install or service this equipment.

1. The unit is shipped with the gearbox installed. The impeller is shipped loose. Locate these items.
2. Remove all shipping constraints, including any protective covering on the mounting flange face.
3. Lift the drive end into position below the tank flange.
4. Bolt the gear drive to the tank weld flange.
5. Install the motor onto the gear drive as necessary and wire in accordance with manufacturer's instructions and local ordinances.
6. Install large O'ring onto shoulder of protruding canister inside tank.
7. Slide small O'ring onto small diameter of pivot stud, all the way to shoulder. Care

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- should be taken not to cut or damage O'ring.
8. Place bushing over large O'ring, making sure that pin hole in bottom of bushing aligns with small pin in top of canister.
 9. Slide pivot stud into bushing until threads on stud contact threads in top of canister, then rotate pivot stud by hand until snug.
 10. Tighten pivot stud with wrench approx. $\frac{1}{4}$ turn. The O'rings at the top and bottom of the bushing should be slightly compressed sealing the assembly so liquid can not penetrate to inside areas of bushing and pivot stud.
Note: DO NOT over tighten pivot stud. Over tightening may cause bushing to crack.
 11. Install the impeller onto the pivot stud as necessary. Refer to the drawing for location details. **Note: Magnetic force will tend to pull impeller onto pivot stud. DO NOT let impeller slam into position.**