



**Manufacturer of  
Metering Pumps  
Chemical Feed  
Systems &  
Portable Mixers**

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## **OPERATING INSTRUCTIONS AND PARTS LIST**

### **SERIES RGT BRIDGE MOUNT TYPE BULK CONTAINER MIXER**

#### **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 adjustments while the mixer is operating!
2. Make certain the mixer is proper wired and grounded!
3. Always wear appropriate safety equipment including face and eye protection when removing the mixer or moving it to another tote!
4. Air motors are designed to be driven by compressed air only and under no circumstances be driven with any others gases!
5. Always disconnect and lockout electric power or air supply before servicing the mixer!

The RGT gear reducer has been factory filled with lubricant. The following instructions are important for the successful operation of your mixer gear reducer.

#### **VENTING**

During operation heat generated by the gear box will cause the air and the lubricant inside the unit to expand. The vent plug is used to equalize the resulting pressure. This plug is shipped loose with gear reducer. To install, remove one of the pipe plugs on top of the gear reducer and replace it with the vent plug.

#### **INITIAL OIL CHANGE**

The oil in a new RGT mixer speed reducer should be changed at the end of 250 hours of operation. (i.e. after 30 days at 8 hour per day or 10 days at 24 hour service).

#### **SUBSEQUENT OIL CHANGES**

Under normal conditions, after the initial oil change, the oil should be changed after every 2,500 hours of operation or every six months, whichever occurs first. Under severe conditions (rapid temperature changes, moist, dirty, or corrosive environment) it may be necessary to change oil at intervals of one to three months. Periodic examination of oil samples from the unit will help establish the appropriate interval.

#### **CHANGING OIL**

When changing oil for any reason it should be remembered that oils of various types may not be compatible. Therefore, when changing to a different oil it is recommended that the housing be completely drained and thoroughly flushed with a light flushing oil prior to refilling with the appropriate lubricant. The oil level should be rechecked after a short period of operation and adjusted, if necessary.

#### **Mixer assembly**

Mount "L" brackets to each side of gearbox housing with supplied screws (fig 3) and washers (fig 4). Tighten as needed

Place key (fig 6) on keyway of motor and place motor to flange of gearbox. Tighten down motor with supplied screws (fig 7) and washers (fig 4).

#### **Shaft Mounting**

Place supplied shaft key to keyway on shaft. Slide shaft from the bottom entry of the gearbox through to the top portion where recessed area on shaft is in line with set screws on top of gearbox. Tighten screws to recessed area on shaft.