



Maintenance for Baldor Motors installed on AquaMark Pressure Booster Pumps.

Most of the information in this document is taken from the *Baldor Electric Company Instruction, Operation, and Maintenance Manual*. This document is meant to instruct on the proper schedule for and amount of grease to use during normal maintenance on AquaMark Pressure Boosters.

General Maintenance:

Inspect, clean and test motors at regular intervals – approximately every 500 operating hours or every three months, whichever occurs first. Lubricate motors at the interval described herein. Keep accurate maintenance records.

DANGER: Electrocutation and Electrical Burn Hazards

Contact with high voltage will electrocute or burn you. Power switches on the machine and the control box do not eliminate these hazards. High voltage is present at the machine unless the main power is off. Electrical power can cause death or severe injury.

- Do not service machine unless qualified and authorized.
- Lock OFF and tag out power at the wall disconnect before servicing.

DANGER: Entangle and Crush Hazard

Contact with moving components normally isolated by guards, covers, and panels, can entangle and crush your limbs, fingers and hands. These components move automatically.

- Do not service machine unless qualified and authorized.
- Lock OFF and tag out power at the wall disconnect before servicing.

Clean

Keep the exterior of the motor free of dirt, oil, grease, water, etc. Keep ventilation openings clear. Oily vapor, paper pulp, textile lint, etc., can accumulate and block ventilation, causing overheating and early motor failure.

TEST

Periodically, check the motor and winding insulation integrity using a “megger”. Record the megger readings and immediately investigate any significant drop in insulation resistance. Check all electrical connectors to be sure they are tight.

LUBRICATION RECOMMENDATIONS

Type of Grease – Use Shell Dolium R (factory installed) or Chevron SRI greases for standard service conditions. For extreme conditions, use Darmex 707 grease.

CORRECT GREASE GUN PROCEDURES

- Use hand-operated grease gun, not a pneumatic grease gun. Pump grease slowly, taking 10 to 12 seconds to complete each stroke.
- Apply quantity of grease called for. Over-lubrication can be as damaging as under-lubrication.
- AquaMark recommends 3 strokes of grease for each bearing every 12 months under normal operating conditions.

LUBRICATION PROCEDURE

Notice: Motor Damage

To avoid damage to motor bearings, grease must be kept free of dirt.

- Clean grease fittings.
- Remove grease fittings plastic cap if present.
- Add recommended amount of grease. Be sure grease to be added is compatible with the grease already in motor.
- Replace grease fitting plastic dirt protection cap if used.



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