

Extended Storing Guidelines (Timeline)



For systems that are used in a seasonal application or as a standby system, proper precautions must be taken to preserve the life of your pump/pumping system when subjected to extended storage. To ensure optimum system performance, use the following guidelines.

Prior to storage:

Location:

Selecting an appropriate location is an important aspect of the storage process. Your pump/pumping system should ideally be stored in a dry location with ambient temperature, preferably with a poly or canvas cover. Avoid areas that are subject to excessive heat, humidity, freezing, dust or damage from passing equipment.

Climate:

- If freezing conditions are a possibility, flush your pump with 50/50 solution of anti-freeze/water. Any supply tanks, hoses or feed lines should be drained.
- If extremely humid conditions exist, coat any surfaces or hardware that are subject to corrosion with a light film of protective oil. **Note: Do not lubricate motor bearings during storage. Bearings are packed with grease at the factory. Excessive grease can damage insulation quality.**
- If damp or humid conditions exist, the motor windings must be protected from moisture. Apply power to the motor's space heater (if available) while the motor is in storage.

Pump Protection:

- Apply light film of protective oil to bare crankshaft of your pump.
- Fill crankcase to the top of the bubble gauge with oil to protect the pump bearings.
- Loosen the tension on any belts during extended storage.

During Storage:

- Rotate motor shaft at least 10 turns every two months during storage (more frequently if possible). This will prevent bearing damage.
- Stored motors require using a "Megger" periodically to ensure that the integrity of the winding insulation has been maintained. Record the Megger readings. Immediately investigate any significant drop in insulation resistance. Review all motor manufacturer requirements for storing.

Prior to initial start-up after storage:

- After extended storing, seals and O-rings may take a set. Hand-rotate the pump crankshaft to assure smooth operation. If shaft is extremely tight or will not turn, replace seals and O-rings before resuming operation. O-rings in the relief valves may also require replacement. Typical shelf life of seals and O-rings is 5 years.
- Change oil at start-up and fill to the red dot on the bubble gauge prior to resuming operation.
- If Belts were loosened prior to storage, ensure proper tension before starting your system.