



PERIODIC PREVENTIVE MAINTENANCE SERVICE INCLUSIONS

Cold Water Booster Pump Packages

- Check Operation of each pump
- Check operation of each motor
- Grease motors bearings if applicable
- Check for any undue noises
- Check the insulation resistance of motors
- Check and confirm the current absorption & full load amps of motors
- Check control panel for the following;
 - Rust or corrosion
 - Loose bolts or nuts
 - Broken or damaged door hinges
 - Damaged or ill-fitting door seal
 - Damaged or broken door handle/lock
 - Damaged or broken warning indicator lens/lamp/lamp holder
 - Any penetrations that allow entry of moisture/dust
 - Damaged or faulty electrical components within panel
 - Loose or damaged electrical connectors
 - Damaged or burnt wires/cables and
 - Adjust range and setting of motor thermal overload relays
 - Check alarm operation
 - Clean interior/exterior of panel
- Check pressure settings of pumps
- Check the sequence of operation and pump shut down when set pressure is reached
- Check and confirm the operation of the Pressure tank
- Check operation of the pressure transducer
- Clean strainers if necessary
- Provide service report
- Provide defects report (if any) and a rectification proposal

Rainwater Harvesting Pump Packages

- Check Operation of each pump
- Check operation of each motor
- Grease motors bearings if applicable
- Check for any undue noises
- Check the insulation resistance of motors
- Check and confirm the current absorption & full load amps of motors
- Check control panel for the following;
 - Rust or corrosion
 - Loose bolts or nuts
 - Broken or damaged door hinges
 - Damaged or ill-fitting door seal
 - Damaged or broken door handle/lock
 - Damaged or broken warning indicator lens/lamp/lamp holder
 - Any penetrations that allow entry of moisture/dust
 - Damaged or faulty electrical components within panel
 - Loose or damaged electrical connectors
 - Damaged or burnt wires/cables and
 - Adjust range and setting of motor thermal overload relays
 - Check alarm operation
 - Clean interior/exterior of panel
- Check pressure settings of pumps
- Check the sequence of operation and pump shut down when set pressure is reached
- Check and confirm the operation of the Pressure tank
- Check operation of the pressure transducer
- Clean strainers if necessary
- Check the operation of the automatic back wash filter and replace service kit if necessary
- Check filter screen and replace if necessary (additional charges apply)
- Replace cartridge filters inserts
- Replace lamps and o-rings of UV filters
- Replace UV filter sleeves if necessary (additional charges apply)
- Provide service report
- Provide defects report (if any) and a rectification proposal

Submersible Wastewater Pump Packages – Sewer | Stormwater | Grease

- Isolate the alarm
- With the pump and motor still in position inside the pit, test insulation resistance of pump supply cables and motor stator windings
- Test connections on the load side of the motor contactor.
- Check readings of electrical current through each phase and record the results.
- Check control panel for the following;
 - Rust or corrosion
 - Loose bolts or nuts
 - Broken or damaged door hinges
 - Damaged or ill-fitting door seal
 - Damaged or broken door handle/lock
 - Damaged or broken warning indicator lens/lamp/lamp holder
 - Any penetrations that allow entry of moisture/dust
 - Damaged or faulty electrical components within panel
 - Loose or damaged electrical connectors
 - Damaged or burnt wires/cables and
 - Adjust range and setting of motor thermal overload relays
 - Check alarm operation
 - Clean interior/exterior of panel
- Remove pumps from pit
- Inspect oil condition from pump motor and renew oil if required.
- Remove bottom pump housing, check impeller and wear ring for damage or excessive wear and adjust impeller clearance as per manufacturer recommendations
- Record the pump/motor nameplate details
- Lift the level control devices (probes/float switches) out of the pit, clean and inspect them for serviceability
- Check any cable connecting devices in the pump pit
- Check pump guide rails and support brackets for damage
- Check for any undue noises from the pump and motor
- Lower pumps back into the pit and test operation
- Restore the alarm
- Provide service report
- Provide defects report (if any) and a rectification proposal

Instantaneous Domestic Hot Water Packages

- Isolate the alarm
- Check Operation of each pump
- Check operation of each motor
- Grease motors bearings if applicable
- Check for any undue noises
- Check the insulation resistance of motors
- Check and confirm the current absorption & full load amps of motors
- Check control panel for the following;
 - Rust or corrosion
 - Loose bolts or nuts
 - Broken or damaged door hinges
 - Damaged or ill-fitting door seal
 - Damaged or broken door handle/lock
 - Damaged or broken warning indicator lens/lamp/lamp holder
 - Any penetrations that allow entry of moisture/dust
 - Damaged or faulty electrical components within panel
 - Loose or damaged electrical connectors
 - Damaged or burnt wires/cables and
 - Adjust range and setting of motor thermal overload relays
 - Check alarm operation
 - Clean interior/exterior of panel
- Check the sequence of operation and shut down when set pressure / temperature is reached
- Check operation of pressure transducers / temperature sensors
- Clean strainers if necessary
- Provide service report
- Provide defects report (if any) and a rectification proposal
- Check and clean inline filter of hot water heaters and replace if necessary (additional charges apply for replacement strainers)
- Check storage tanks and PTR valves (where applicable)
- Restore the alarm
- Provide service report
- Provide defects report (if any) and a rectification proposal