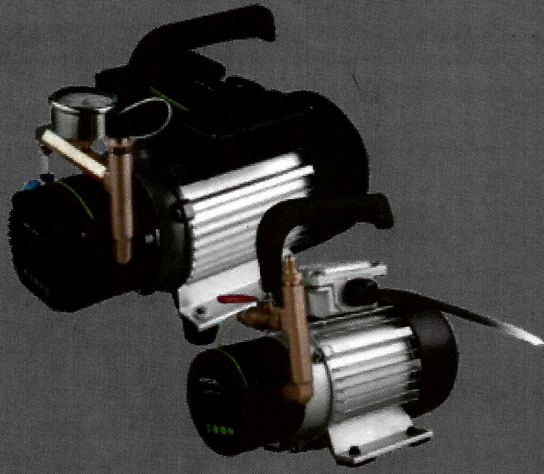


ELECTRIC OIL CHARGING PUMP OPERATION MANUAL PCO-4/6



Please read this instruction carefully before using this product,
and keep this manual carefully for future reference

5. Troubleshooting

Problem	Cause	Action
Solution pump isn't operating At all	1.Power doesn't reach the pump 2.The voltage isn't correct 3.The thermal protector works 4.The temperature is too low 5.The pump body locked due to the dirt	1.Check the power and switch 2.Make sure to keep the input voltage within rated voltage $\pm 5\%$ 3.Check the thermal protector 4.Increase the environment temperature
Flow rate is too Small or can't Pump anymore	1.The inlet hose or filter blocking 2.The system has the air 3.The outlet hose block 4.The oil level is too low 5.The system pressure is too high 6. Pump stored for a long time	1.Clean the inlet hose and filter 2.Discharge the air 3.Keep the outlet hose unblock 4.Check the inlet hose is under the oil Level or not 5.Solve the problem of high pressure 6. Pour a little oil from the pump inlet port
Pump runs with high noise	1. too low oil level 2. unreasonable hose size 3. the dirt inside to pump 4. the system has the air 5. pump inner body damaged	1.check the inlet hose is under the oil level or not 2.adjust the hose size 3.repair the pump 4.discharge the air 5.repair the pump ,change the parts
Pump temperature is too high	1.Work pressure is more than max. pump pressure 2. No enough fan cooling 3. The environment temperature is too high 4.Poor ventilation	1.Read the manual carefully,re-select the model 2.Check the motor fan runs well or not 3.Decrease the environment temperature 4.Improve ventilation

07

4. Maintenance

⚠ WARNING

Before/during checking process, make sure the installation is disconnected from the power supply.

⚠ WARNING

Don't touch the pump while the unit is very hot after running long-time.

⚠ WARNING

When the working pressure exceeds 5MPa, please stop charging and check whether the oil outlet pipeline is blocked.(PCO-6)

To ensure the long-life and performance of oil pump, it should need to use clean pure refrigerant oil . Be sure to check first when the oil doesn't be used for a long time.

3.2.3 During Operation

1) PCO-4 Oil Charging Pump

When the pressure in the pump is too high and the PCO-4 motor cannot operate normally at the rated speed, the oil return valve of the pump can be opened and then closed after the speed is normal, thus achieving the effect of instant pressurization.

2) PCO-6 Oil Charging Pump

■ When the charging pressure exceeds 2.5MPa, the pipeline safety relief valve opens. Oil flows back to the oil inlet through the return pipe to reduce the pressure of the outlet pipe.

■ When the oil outlet pressure exceeds 5MPa, please stop charging and check whether the oil outlet pipeline is blocked.