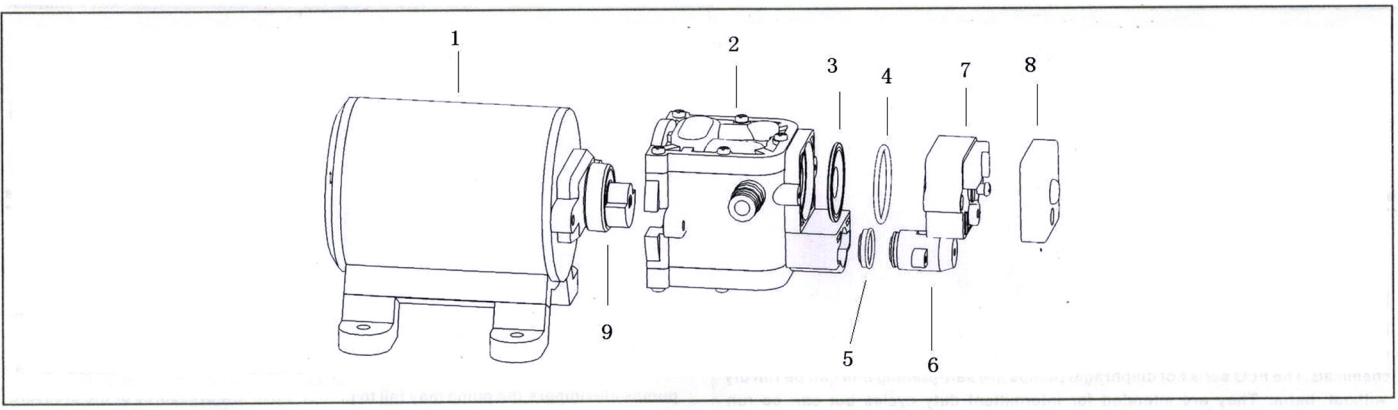

KEY	DESCRIPTION	KEY	DESCRIPTION
1	Motor	6	Relief Valve
2	Pump head	7	Pressure Switch
3	Pressure Gasket	8	Cover of pressure switch
4	O-ring	9	Eccentric wheel
5	Gasket of relief valve		

Disassemble

Pump Head

1. Take precautiong to prevent injury due to chemical contact during maintenance.
2. Flush Pump with water or neutralizing agent before servicing if the pump has been used totrans por tchemicals.
3. Disconnect thepower to the pump motor.
4. Removethepressure switch cover by removing the single SCreW from pressure switch and remove switch cover.
5. Remove wires from pressure switch by gently sliding female spade terminals away from the male spade connectors.
6. Remove two screws from front of pump head.
7. Slide pump head(2)away from motor(1)assembly.

Reassembly

Pump head (2) to Motor (1)..

1. Assemble the pump head(2)to motor(1)aligning screws tabs.
2. Install screws and tighten to 15 inch ounces of torque.
3. Reconnect wires to pressures switch. Wires can be connected to either terminal of the pressure switch.
4. Install the pressure switch cover with scrow.
5. Reconnect pump to liquid source.
6. Reconnect pump to power source.
7. Aillow pump to prime with discharge line or spray valve open.
8. Check for leaks in discharge system.

Troubleshooting

FailuretoPrime-Motor operates,but no pump discharge

- Restricted intake or discharge line. Open all line valves. check for "Jammed" check valves, and clean clogged lines.
- Air leak intake line.
- Punctured pump diaphragm.
- Defective pump check valve.
- Crack in pump housing.
- Debris in check valves.

Motor Fails toTurn On

- Pump or equipment not plugged in electrically.
- Loose wiring connection.
- Pressure switch failure.
- Defective motor or rectifer.
- Frozen cam / beadng.

Pump Fails toTurn Off afterDischarge valves are Closed

- Depietion of available liquid supply.
- Punctured pump diaphragm.
- Discharge line leak.
- Defectivepressureswitch.
- Insufficient voltage to pump.
- Debris in check valves.

Low Flow and Pressure

- Air leak at pump intake.
- Accumulation of debris inside pump and plumbing.
- Wom pump bearing(excessive noise).
- Punctured pump diaphragm.
- Defective rectifier or motor.
- Insufficient vollage to pump.

Pulsating Flow.

Pump Cycling On and Off

- Restricted pump delivery,Check dischargelines,fittings,valves and spray nozzles for clogging or undersizing.

Service Kits

Kits are readily avaiable to repair standard FL series pumps. To insure that the correct kits are received the model number and all name plate data must be included the order . Contact us directly to orderthe necessary repair kits

PRODUCT WARRANTY

We warrants this product to be free of defects in material and/or workmanship for a period of oneyear after purchase by the customer.During this one year warranty period, we wil at our option,at no charge to the customer,repair or replace this product if found defective,with a new or reconditioned product,but not to include costs of removal or installation.All return goods must be shipped with transportaion charges prepaid: