

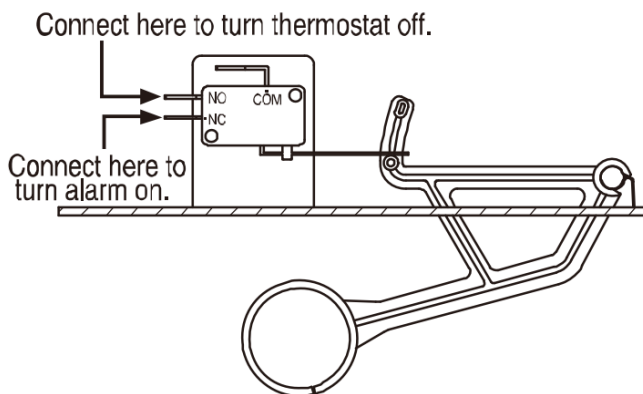
INSTALLATION

1. Mounting the pump: The tank has two slots provided to mount the unit. The slots are located on the ends of the tank (Figure 4). The unit should be mounted either on the side of the air conditioner unit or nearby wall. Pump must be level and the inlet must be below the coil drain. Conduit fittings are not compatible with the plastic pump housing .

2. The pump should not be installed in a manner that will subject it to splashing or spraying.

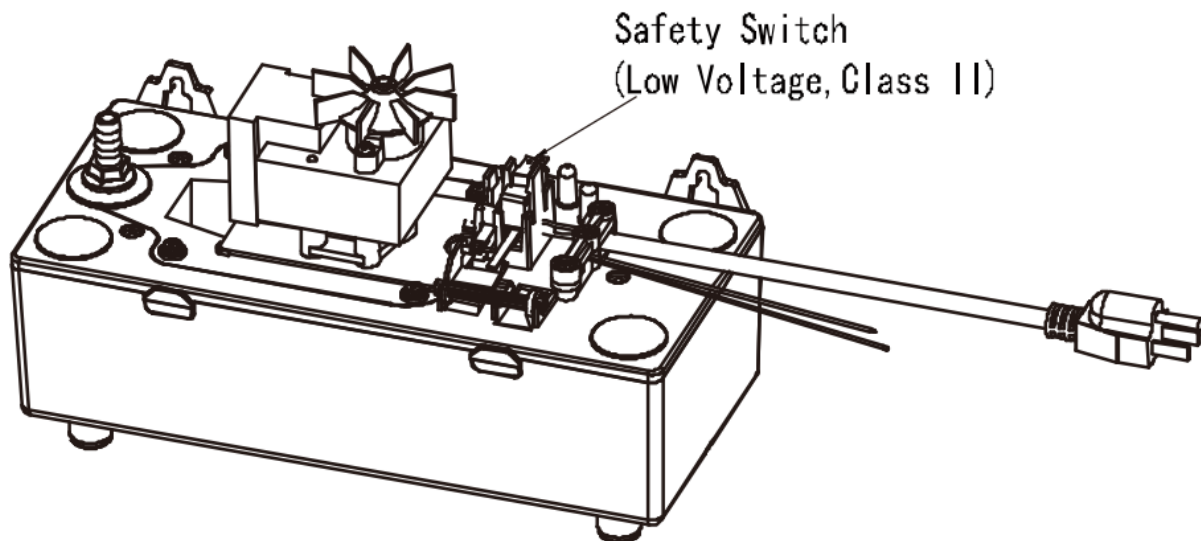
3. This pump is not intended for use inside air plenums .

Figure 1.



NOTE: All wiring to be done by qualified service technician. Refer to local codes in your area .

Figure 2.



ELECTRICAL CONNECTIONS

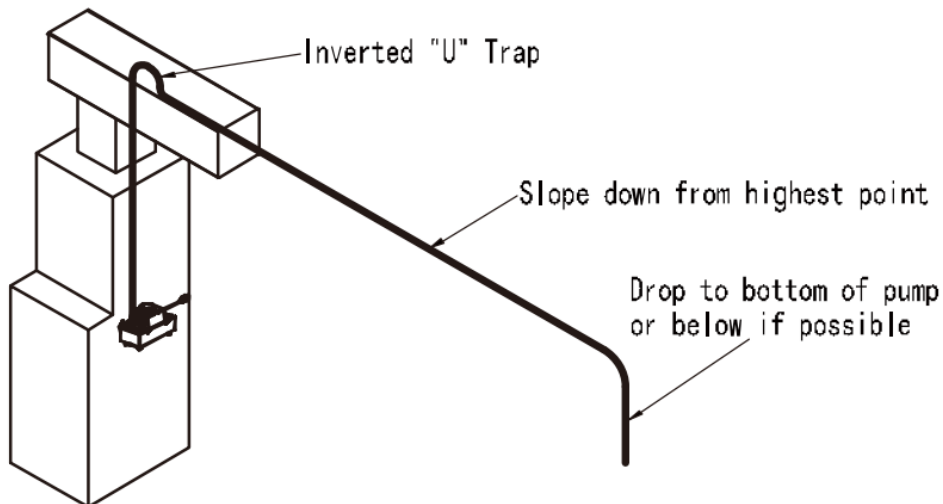
1. Shut off electrical power at fuse box before making any connections. All wiring must comply with local codes.
2. Line voltage: Connect power cord to line voltage specified on motor and nameplate. Power cord must be connected to a constant source of power (not a fan or other device that runs intermittently).
3. Safety switch: The safety overflow switch should be connected to a Class II low voltage circuit. To control a thermostatic circuit the COM and NO connections from the safety switch are to be wired in series with the low voltage thermostat circuit to shut down the heating/AC circuit. The COM and NC switch contacts may be used to actuate a low voltage alarm circuit (connected in series) if the heating/cooling system cannot be disrupted. The safety switch comes from the factory with leads connected to the COM and NO switch terminals. Typical hook-up of NC circuits would be (Figures 1 and 2).

PIPING

1. Run flexible tubing or pipe from evaporator drain into one of the four pump inlets. Be sure inlet piping is sloped downward to allow gravity flow (Figure 3). Extend the inlet piping into the tank from 1 to 3 inches to ensure that it will not interfere with proper float operation. Be sure that the inlet piping is cut at an angle where it enters the tank.
2. The outlet piping should be flexible tubing secured with a hose clamp (not provided) or pipe (3/8" I.D. maximum to prevent excessive flow back to unit). From condensate unit, extend discharge piping straight up as high as necessary. Do not extend this line above the head/GPH of the particular model being installed. From the high point, slope discharge line down slightly to a point above drain area; then turn down and extend to a point below or approximately level with the bottom of the condensate unit. This will give a siphoning effect which will improve efficiency of the condensate unit and will, in most cases, eliminate the need for a check valve (Figure 4). If it is not possible to slope discharge line down, make an inverted "U" trap directly above the pump at the highest point.

Figure 3.

Discharge Line Installation



SERVICE INSTRUCTIONS



1. Make certain that the unit is disconnected from the power source before attempting to service or remove any component.
2. Be sure the floats move freely. Clean as necessary(Figure 5).
3. Clean the tank with warm water and mild soap.
4. Check the inlet and outlet piping . Clean as necessary . Be sure there are no kinks in the line that would inhibit flow.

TESTING

1. Turn on power.
2. Remove motor/tank cover assembly and hold level.
3. Test motor switch by raising float with finger(Figure 5). Motor should turn on just before float contacts cover .
4. Replace motor/tank cover assembly on tank. This pump is suitable for gas furnace condensate applications. Caution must be taken to ensure acidity of condensate does not increase below the average pH of 3.4(to prevent localized pocket of acid that acts like a battery causing pitting)by routinely cleaning or flushing tank with fresh water .

Figure 4.

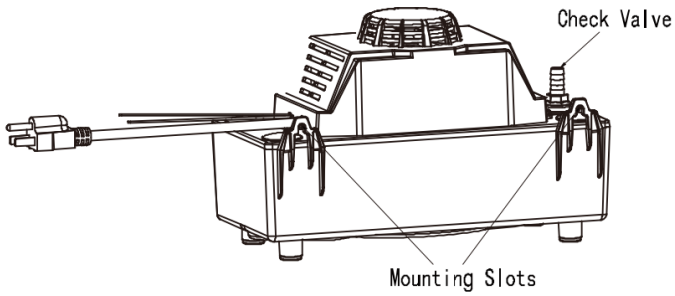


Figure 5.

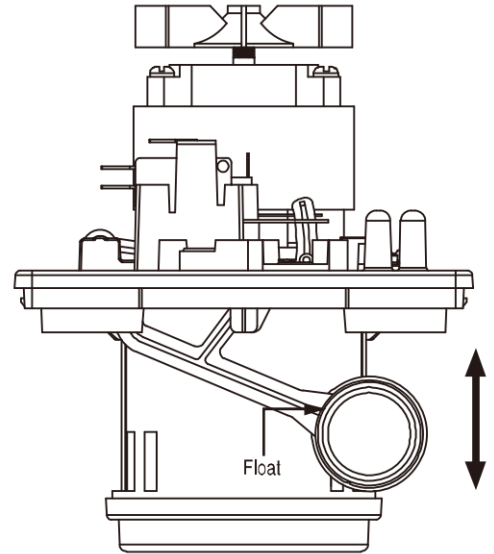
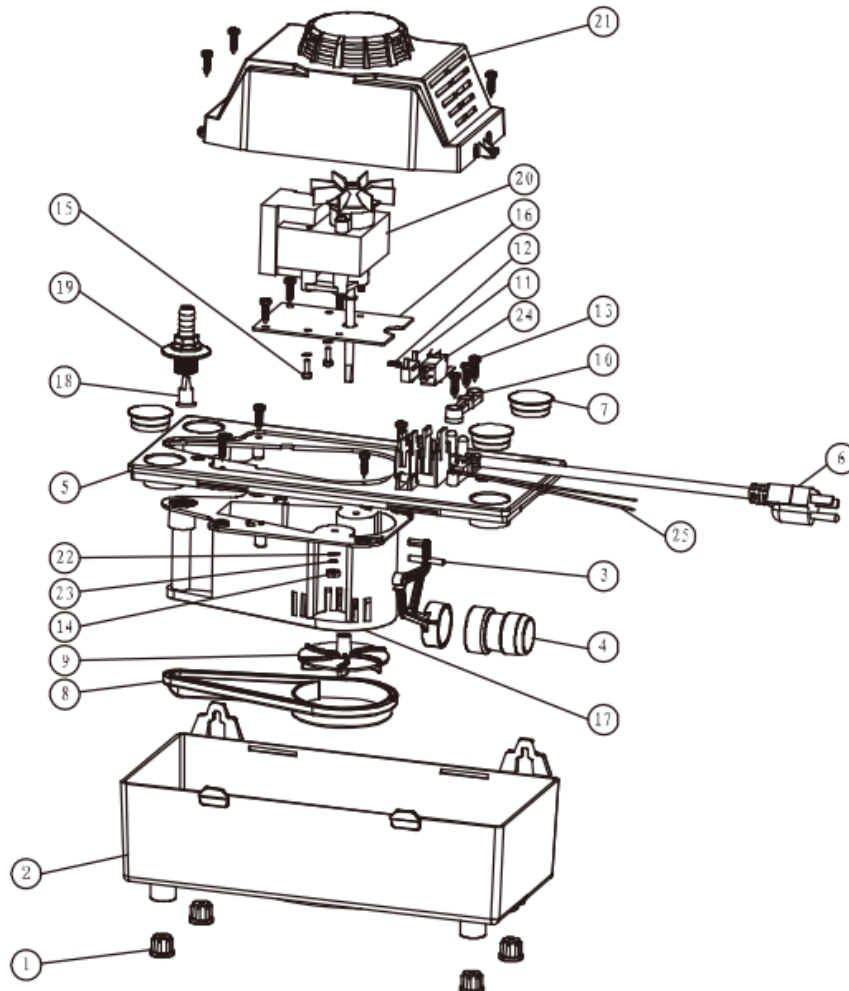


Figure 6.



REPLACEMENT PARTS LIST

ITEM	DESCRIPTION	230V 50Hz/60Hz 17 Feet	115V 60Hz 20 Feet	115V 60Hz 15 Feet
1	Rubber Pads, Silicone	4	4	4
2	Tank, ABS	1	1	1
3	Float Support	1	1	1
4	Ploot	1	1	1
5	Tank cover, ABS	1	1	1
6	Power plug	1	1	1
7	Drain hole plug, ABS	3	3	3
8	Impeller Cover, ABS	1	1	1
9	Impeller, ABS+PC	1	1	1
10	Pressing block for wire, ABS	1	1	1
11	Pump Switch, M33-D IA-T050	1	1	1
12	Switch shaft, Stainless steel	1	1	1
13	Screw, Zinc plating	12	12	12
14	Nut, M4.0	2	2	2
15	Screw, Stainless steel	2	1	1
16	Support sheet for Motor, SGCC Zinc plate	1	2	2
17	Motor cover damper, ABS	1	2	2
18	Check valve, Silicone	1	1	1
19	Discharge, ABS	1	1	1
20	Motor, 230V 50Hz/60Hz 17feet	1	-	-
20	Motor, 115V 60Hz 20feet	-	1	-
20	Motor, 115V 60Hz 15feet	-	-	1
21	Motor cover, ABS	1	1	1
22	Shim, Stainless steel	2	2	2
23	Spring washer, Zinc plating	4	4	4
24	Safety Switch, MS1-03ZE I-D050	1	1	1
25	Wiring harness for safety switch	2	2	2