

Dairy Case Pump

UCP110



Specification

Voltage	230V 50Hz +/- 10%
Pumping Head	30 metres
Max Flow Rate	110ltr/hr
Noise Level	45-60 dbA
Ambient Temperature	0-50°C
Tank Capacity	5ltr
Inlet (ID)	48mm Top, 38mm Side
Outlet (ID)	15mm
Power Consumption	20m37W

General Information

These instructions contain important information regarding safety. They should be read carefully and retained for future reference. The company will not accept and responsibility for any injury, damage or loss which may arise due to incorrect installation, operation or maintenance due to non-adherence to these instructions.

Flow Rates

Horizontal Run	1m	10m	15m	20m	25m	30m
1m	110ltr/hr	60ltr/hr	50ltr/hr	45ltr/hr	40ltr/hr	25ltr/hr

Commissioning and Maintenance

Ensure on commissioning that the filter/reservoir is free from all debris.

Ensure foam pads are on the base of the pump to prevent vibration noise.

Slowly add water and allow the pump to complete 4 full discharge cycles.

Check the pump inlet connector, and discharge hose connection for any weeping or leaks.

Testing

Fill the tank with clean water until the pump switches on. If the pump fails to operate check the power supply.

The pump should operate till the water level reaches the nozzle height. If the pump is not horizontal, it may effect the pump as it may not pump long enough to remove the water.

Installation

1. Mount pump level underneath dairy cabinet.
2. Connect the mains using the IEC supplied. Plug in the 3 pin plug into the pump and wire the other end as follows:-



3. Connect the discharge tube to the pump

Dairy Pump Fault Finding Chart

Reported Problem	Possible Cause	Solution
Pump Fails to start with condensate level high and spilling over edge of reservoir	Debris stopping float mechanism from rising	Remove Debris
	Filer is blocked preventing water entering float chamber	Remove Debris
	Mains Supply is not connected	Connect Mains Supply
Pump Starts but fails to evacuate water	Debris has entered the float chamber and blocked the pump inlet	Remove Debris
Pump Starts but is noisy/ Pump Cycles regularly	The float switch has debris keeping the float ballast in the switch on position	Remove Debris
Overload/Alarm Contacts Operate intermittently	There could be a restriction on the pumps outlet that is reducing the flow rate	Remove restriction or debris

If there is no controller terminal please refer to Drawing 2

Fail-safe Connection

- 1 - Common
- 2 - Normally Open
- 3 - Normally Closed

Run On Time

40 Seconds

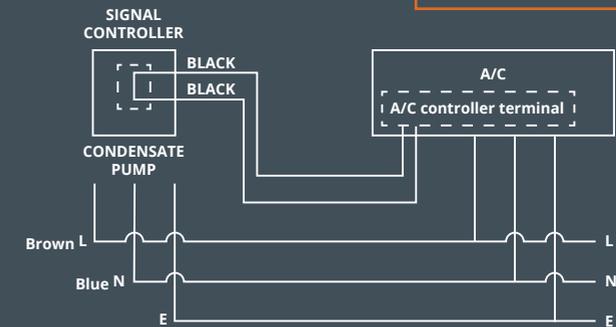
Fail-safe Time

10 minutes

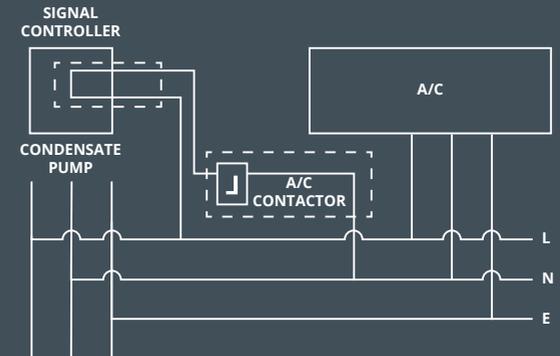
Overload Time

20 Minutes

Drawing 1



Drawing 2

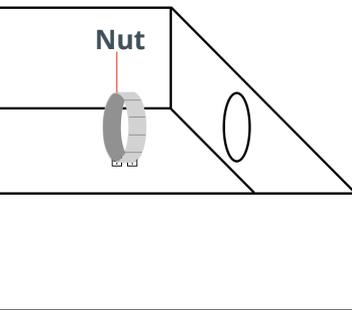


Safety Instructions

1. Ensure the power is disconnected before installing this pump.
2. The pump is for use with condensate only.
3. This pump is not for use in swimming pools or marine areas.
4. If the cord is damaged, please replace.
5. DO NOT let the pump run dry.
6. Always mount the pump on a level surface.
7. For indoor use only

We will not be liable for any injuries or consequential damages resulting from the use of this pump.

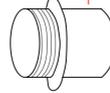
Drain Outlet Connection Detail



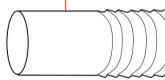
Sealing Washer



Tank Connector



Flex Connector



Sealing washer always to the outside. Apply vaseline to seal both sides. Hand tight & quarter turn on the nut.



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