



# 1-ABS 'Gravity Fed' Condensate Pump/Drain Pump

For removal of condensation from an air conditioner drain pan or reservoir. Designed for use in existing drip tray

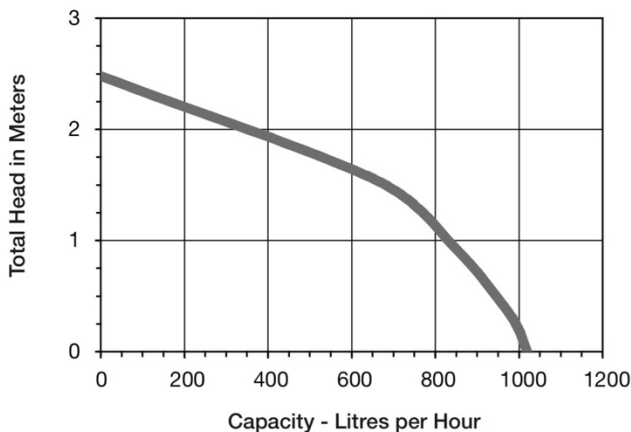
- Fully automatic start and stop
- 1/150 HP oil filled motor
- Epoxy coated cast aluminium housing and motor cover
- Nylon volute
- Stainless steel shaft
- Nitrile shaft seal
- Screened intake
- Advanced mechanical switch
- Starts in 25.4 mm of water, stops at 12.7 mm of water
- Height: 110mm Length: 186mm Width: 94mm



<b>Capacity:</b>	776 LPM @ 0.31m
<b>Shut Off:</b>	2.5m
<b>Liquid Temp:</b>	50°C
<b>Discharge:</b>	12.5mm Threaded
<b>Electrical:</b>	230V, 50Hz, 1.1A 0.6/0.5 amps, 70 watts
<b>Operation:</b>	Automatic
<b>MODEL:</b>	<b>550532</b>

**SO COMPACT...HIGH REMOVAL**

Performance Curve 1-ABS 230V, 50Hz CE 550531





Franklin Electric Co., Inc.  
 P. O. Box 12010  
 Oklahoma City, OK 73157-2010  
 405.947.2511 • Fax: 405.947.8720  
 www.LittleGiantPump.com  
 CustomerService-WTS@fele.com

**IN-PAN CONDENSATE REMOVAL  
 UNIT • ÉVACUATEUR INTERNE  
 DU CONDENSAT • UNIDAD DE  
 ELIMINACION DEL CONDENSADO EN  
 LA CUBETA**

**MODEL 1-ABS**

**EN INTRODUCTION**

The shallow pan condensate unit is designed especially for ceiling-mounted units and other refrigerated air conditioners where minimum height is important. The pump is designed to be placed directly into a holding reservoir or used with a tank supplied by the manufacturer. Do not use the pump where the water level can exceed the holding reservoir capacity. The pump is controlled by a float/switch mechanism that automatically switches the pump on and off.

This instruction sheet primarily covers the standard models in this pump series, but is applicable to other models in this series not listed by model number. If the model number of your pump is not listed, use caution when ordering replacement parts. Always give the model number of your pump when ordering replacement parts.

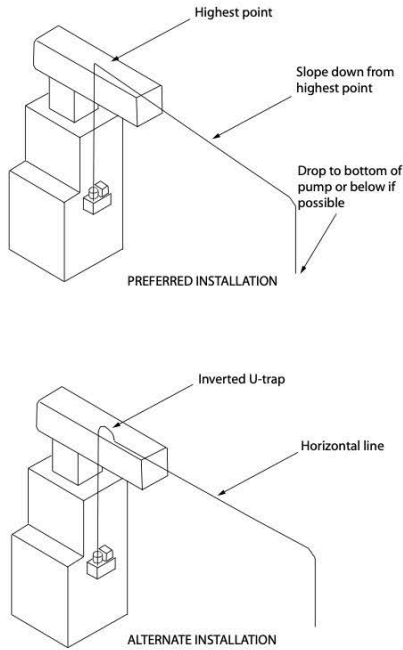
Read these instructions carefully. Failure to follow these instructions voids all warranty, and could result in bodily harm or property damage. All wiring and plumbing must be permanent, and comply with local, state, and national electrical codes. Shut off electrical power at the fuse box before servicing the pump.

**INSTALLATION**

- Carefully unpack the pump. Remove the cardboard packing from the motor cover air slots. Carefully slide the packing away from the pump. This packing is used to prevent switch movement during shipment.
- This model can be equipped with a reservoir tank, which is sold separately. The tank has two holes provided to mount the unit in a convenient location. The pump must be level and the inlet must be below the coil drain.

**PIPING**

- Run flexible tubing or pipe from evaporator drain into pump holding tank. Be sure inlet piping is sloped downward to allow gravity flow.
- The outlet piping (Figure 1) should be flexible tubing or pipe (1/2" I.D. maximum to prevent excessive flow back to unit). From condensate unit, extend discharge piping straight up as high as necessary (but not above the head/GPH of the model being installed.) From this high point, slope discharge line down slightly to a point



**Figure 1**

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. If it is not possible to slope discharge line down, make an inverted "U" trap directly above the pump at the highest point.

**ELECTRICAL CONNECTIONS**



- Shut off electrical power at fuse box before making any connections. All wiring must comply with local, state, and national electrical codes.
- 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). If power cord does not have a plug, wiring is as follows: green/yellow - ground, brown - line, blue - neutral.

**TESTING**



- Turn on power.
- Test the unit after it is installed by filling the tank with water until the pump comes on. Check the lines for leaks and kinks that will prevent full water disposal. If water is not available, test the pump by removing the switch screen and inserting differentiator top into switch housing bottom.

**CAUTION:** Do not run pump dry for more than a couple of seconds. Do not test this way if water is present.

**SERVICE INSTRUCTIONS**



- MAKE CERTAIN THE UNIT IS DISCONNECTED FROM THE POWER SOURCE BEFORE ATTEMPTING TO SERVICE OR REMOVE ANY COMPONENT!**
- Be sure the floats move freely. Clean as necessary.
- Pump screen is snapped on; remove it by pulling, then remove the three screws that attach the volute. **DO NOT** remove any other screws.
- Lightly clean any corrosion or debris that may clog the impeller. Use brush and penetrating oil and lightly scrape to remove encrusted material.
- Turn the impeller by hand to make sure it turns freely. Plug the unit in to see if the impeller turns (see testing #2). Do not allow the pump to operate for more than a couple of seconds. If the pump does operate, then replace the volute. The unit should operate normally when connected to the correct voltage.
- If for any reason these operations do not restore the unit to full service, call your dealer or service. Do not in any case open the sealed portion of the unit or remove screws other than those indicated above. Do not cut the electric cord when removing the unit from the application. Disconnect the pump from its regular connections. Failure to follow these guidelines may void the warranty.
- If you remove the impeller and/or backplate, be certain to reassemble them correctly. Impeller spacing is gauged from backplate to impeller edge. Use the thickness of a dime to space the impeller away from backplate. Tighten set screws on impeller to 3 - 5 inch pounds (hand tighten).

**PERFORMANCE TABLE**

Discharge Sortie Descarga	Flow (U.S. gallons/hour at feet of head) • Débit (U.S. gallons/heure élévation pieds d'eau) • Flujo (U.S. galones/horacabeza pies de agua)			Max P.S.I. • Livres Par Pouce Carré • Maximo Por Pulgada Cuadrada	Shutoff • Tête d'arrêt • Cabeza de Cierre
	1'	5'	9'		
1/4"	205	145	25	4.3	10'