REFINERY SUPPLY COMPANY, INC.
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"Serving the Oil & Gas Industry since 1923"

RECOMMENDED INSTALLATION & OPERATING INSTRUCTIONS MODEL 35121-000

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The 35121-000 RSC Electrically heated centrifuge with pre-heater section features:

1. A circular design offering a high-efficiency unit that meets or exceeds the RCF requirements of API and ASTM.

2. A rheostat control with an “off” position for a slow, smooth start and speed control.

3. A pre-heater section located in the front of the centrifuge. Space saving design because a separate heater is not required.

The model 35121-000 RSC centrifuge machine is an electrically heated centrifuge that operates on 115 volts A.C. It is equipped with a rheostat control with an “off” position that gives the operator speed control of the centrifuge head from start up to maximum operating speed, all in one knob. It is also equipped with a separate heater “on-off” switch that is located on the left hand side of the centrifuge control panel. The operation and heating of the centrifuge are two independent circuits and although the unit is a heated model it can be operated without the heater.

The time required for the centrifuge and/or sample to reach centrifuging temperature will depend on the ambient temperature of the room and sample. The centrifuge heater section is designed to raise the temperature of the sample to 140 degrees F +2 degrees F (60 degrees +1 degree C) in the pre-heater section and allow the temperature of subject sample to drop below 125 degrees F (52 degrees C) during centrifuging.

In order to achieve a sample temperature of 140 degrees F, the centrifuge housing must be heated to a temperature of approximately 160 degrees F. The time required to take the centrifuge from an ambient temperature of 70 degrees F to 160 degrees F is approximately 45 minutes. Once the temperature of the housing reaches 160 degrees F then the temperature of individual samples can be raised to 140 degrees F in the pre-heater section in approximately 10 to 15 minutes. The first sample of the day can be heated simultaneously with the centrifuge.

OPERATING PROCEDURES

1. Set the centrifuge on a level surface near a 115 volt AC outlet. The temperature of the bottom of the centrifuge reaches approximately 120 degrees F when the heater is in operation. This should be taken into consideration with regards to your particular table top.

2. Plug the power cord into a 115 volt AC outlet.

3. Flip the heater switch to the “on” position. This should be done approximately 45 minutes prior to centrifuging the first sample.

4. Fill the centrifuge glass tubes per specifications.

5. Place the filled tubes in the pre-heater section and leave until the temperature of the sample rises to the specified temperature.

6. Place the heated samples into the aluminum centrifuge shields. Always be sure to place the samples on opposite sides of the centrifuge head to establish a balanced condition.

7. Close the centrifuge lid.

8. Turn the centrifuge control knob clockwise slowly to the full open position.

9. Allow to centrifuge to specifications.

10. Turn the control knob clockwise to the “off” position.

11. Allow the centrifuge to come to a complete stop before opening the lid.

12. Remove the centrifuged samples.

13. Keep the centrifuge lid closed at all times whether in operation or not. When in operation, keep the lid closed for safety. When not in operation, keep the lid closed to reduce heat loss and to maintain a stable temperature.

When the centrifuge is not being used or heating of the samples is not required, turn the heater off, this will extend the life of the heater. The centrifuge housing is made of aluminum and will retain the heat.

CAUTION: Because the temperature of the centrifuge housing reaches approximately 160 degrees F when at full operating heated conditions, care should be taken when working with the centrifuge.

PRODUCT WARRANTY

REFINERY SUPPLY CO. INC. shall warranty its products to be free of material and workmanship defects for a period of one year from shipping date. Refinery Supply liability for defective equipment shall be limited to the repair or replacement of said equipment without charge to the customer.

REFINERY SUPPLY CO. INC. will be liable only if the defect is reported immediately.

REFINERY SUPPLY CO. INC. must give written permission for any product under warranty to be returned for repair or replacement. The warranty will be null and void if the equipment was subject to altercation, misuse, neglect, modification, improper installation or repaired by unauthorized persons not approved by Refinery Supply Company, Inc.

REFINERY SUPPLY CO. INC. will not be liable for expenses, loss or damages directly or indirectly arising from use of the products or for any liability from their use either separately or in combination with other equipment, material or any other cause.