



OLMARK ASSOCIATES

Regd. Office : 1, Old Industrial Area
Chittorgarh-312001 (Rajasthan)

INDIA | Tel (+91) 9799 397506

Web : www.olmark.in

e-mail : info@olmark.in

: olmarkassociates@gmail.com

PRODUCT WARRANTY

Robinson Manufacturing warrants products manufactured by Robinson Manufacturing to be free of defective material and workmanship for one year from the date of shipment by Robinson Manufacturing. The liability of Robinson Manufacturing for defective equipment during the warranty period shall be limited to the repair of such equipment or replacement thereof without charge for parts or labor provided by Robinson Manufacturing. Robinson Manufacturing shall be so liable only if Robinson Manufacturing is contacted in regard to such defect immediately after its discovery

Buyer should return the defective product under warranty to Robinson Manufacturing only after receipt of Robinson Manufacturing's specific permission to do so. This warranty does not extend to any Robinson Manufacturing product which has been subject to misuse, neglect, accident, modification or improper installation, or any product which has been repaired or altered by persons not expressly approved by Robinson Manufacturing. Robinson Manufacturing will not be liable for damages, loss or expense directly or indirectly arising from the use of the products or for any liability from their use either separately or in combination with other equipment or material or for any other cause.

MERCHANDISE RETURNS

No goods should be returned to Robinson Manufacturing without specific authorization. All authorized returns for merchandise shipped by Robinson Manufacturing less than 6 months previously which are returned for any reason other than valid warranty claims will be charged a 15% restocking charge plus any expense necessary to place the merchandise in saleable condition. The restocking charge shall be 25% for goods shipped by Robinson Manufacturing more than 6 months but less than 1 year previously. No returns for credit will be accepted after 1 year from original Robinson Manufacturing shipment. Returns should be shipped freight prepaid.



Model 820A 4 place head
Model 821A 2 place head

The second generation of the Robinson ELECTRICALLY HEATED centrifuge that operates from the vehicle's 12-volt system.

Centrifuge features include:

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. Top-entry motor removal for replacement without removing the centrifuge from its mountings.
 4. A motor mount plate with a ball bearing provides stabilizing support for the motor shaft.
 5. One-inch thick mounting feet to reduce casting failures.
 6. Lid, spring supported to keep it open. Designed with a hole in the center so that the centrifuge RPMs can be checked with a hand held tachometer with the centrifuge lid closed.
 7. A pre-heater section located in the front of the centrifuge for easy access to the operator.
 8. Flip-up pre-heater covers, with positive mechanical tension to keep the covers closed. Easy-to-grasp design for easy opening.
9. Easy switch replacement with modular designed front control panel. The modular control panel can be removed simply by removing four screws and unplugging the switches. This feature allows the following:
 - A. Individual switches can be replaced in the modular control panel without removing the centrifuge from the vehicle.
 - B. The complete control panel can be replaced without removing the centrifuge from the vehicle. The old control panel can be serviced at a work bench.
 10. Easy heater assembly replacement in the pre-heater section. The heaters are connected to the switch with quick connect terminals. Remove two screws and lift the heater assembly out of the pre-heater pockets.
 11. New switches that are IP 68 rated. The rating signifies complete protection against dust and prolonged effect of moisture.
 12. Simplified method of testing the electrical components.
 13. Three independent electrical circuit design.
 - A. One circuit operates the motor that spins the samples.
 - B. A second circuit, controlled by an on-off switch and thermostat, heats the centrifuge bowl. When the sample is placed in the centrifuge at 140F, the pre-set thermostat prevents the sample temperature from dropping below 125F as specified by API and ASTM.
 - C. The third circuit is for the pre-heater section, which is comparable to a separate two-place electrical heater built into the centrifuge. It is operated by a high-off-low switch and controlled by the operator. Depending upon the oil samples starting temperature, it raises the temperature of two samples to 140F in minutes.
 14. Space-saver design because a separate heater is not required.
 15. A self-reset circuit breaker near the vehicles battery protects the centrifuges circuit, as well as the vehicle.
 16. When the vehicle is not running, an external contactor, wired to the ignition, prevents the heaters from drawing energy from the battery.



Specifications: 100ml short cone, 12 VDC electrically heated, Weight 60 lbs., 22 x 20 x 11-1/2.

The second generation of the Robinson ELECTRICALLY HEATED centrifuge that operates from the vehicle's 12-volt system.

Centrifuge features include:

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. Top-entry motor removal for replacement without removing the centrifuge from its mountings.
4. A motor mount plate with a ball bearing provides stabilizing support for the motor shaft.
5. One-inch thick mounting feet to reduce casting failures.
6. Slide open, two section lid, designed with a hole in the center so that the centrifuge RPMs can be checked with a hand held tachometer with the centrifuge lid closed. This feature is especially efficient where room above the centrifuge is limited. This feature also reduces heat loss because it does not require that the complete lid be open for the operator to insert and remove the samples from inside the centrifuge.
7. A pre-heater section located in the front of the centrifuge for easy access to the operator.
8. Flip-up pre-heater covers, with positive mechanical tension to keep the covers closed. Easy-to-grasp design for easy opening.
9. Easy switch replacement with modular designed front control panel. The modular control panel can be removed simply by removing four screws and unplugging the switches. This feature allows the following:
 - A. Individual switches can be replaced in the modular control panel without removing the centrifuge from the vehicle.
 - B. The complete control panel can be replaced without removing the centrifuge from the vehicle. The old control panel can be serviced at a work bench.
10. Easy heater assembly replacement in the pre-heater section. The heaters are connected to the switch with quick connect terminals. Remove two screws and lift the heater assembly out of the pre-heater pockets.
11. New switches that are IP 68 rated. The rating signifies complete protection against dust and prolonged effect of moisture.
12. Simplified method of testing the electrical components.
13. Three independent electrical circuit design.
 - A. One circuit operates the motor that spins the samples.
 - B. A second circuit, controlled by an on-off switch and thermostat, heats the centrifuge bowl. When the sample is placed in the centrifuge at 140F, the pre-set thermostat prevents the sample temperature from dropping below 125F as specified by API and ASTM.
 - C. The third circuit is for the pre-heater section, which is comparable to a separate two-place electrical heater built into the centrifuge. It is operated by a high-off-low switch and controlled by the operator. Depending upon the oil samples starting temperature, it raises the temperature of two samples to 140F in minutes.
14. Space-saver design because a separate heater is not required.
15. A self-reset circuit breaker near the vehicles battery protects the centrifuges circuit, as well as the vehicle.
16. When the vehicle is not running, an external contactor, wired to the ignition, prevents the heaters from drawing energy from the battery.

Specifications: 100ml short cone, 12 VDC electrically heated, Weight 60 lbs., 22 x 20 x 11-1/2.



Model 820B 4 place head
Model 821B 2 place head





Model 870AT

The Robinson 120 Volt ELECTRICALLY HEATED centrifuge with pre-heater section.

Centrifuge features include:

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.
4. Lid designed with hole in the center so that the centrifuge RPMs can be checked with a hand held tachometer with the centrifuge lid closed.
5. Three independent electrical circuit design.
 - A. One circuit operates the motor that spins the samples.
 - B. A second circuit, controlled by an on-off switch and thermostat, heats the centrifuge bowl. When the sample is placed in the centrifuge at 140F, the preset thermostat prevents the sample temperature from dropping below 135F as specified by API and ASTM.
 - C. The third circuit is for the pre-heater section, which is like a separate two-place electrical heater built into the centrifuge. It is operated by a high-off-lowswitch and controlled by the operator. Depending upon the oil samples starting temperature, it raises the temperature of two samples to 140F in minutes.

Specifications: All 870 series, 120 VAC, 60 Hz, 1 phase. Weight 65 lbs., 22 x 20 x 11-1/2.

- Model 870A** 100ml short cone, 4 place head - 2 heated pre-heater pockets.
- Model 870A4** Same as 870A except with 4 heated pre-heater pockets.
- Model 870AT** Same as 870A except with a 15 minute timer.
- Model 870AT4** Same as 870A4 except with a 15 minute timer.
- Model 872A** Same as the 870A but 230 VAC, single phase.
- Model 872AT** Same as the 872A except with a 15 minute timer.
- Model 874A4** 100ml pear shape, 4 place head - 4 heated pre-heater pockets.
- Model 874AT4** Same as the 874A4 except with a 15 minute timer.



The Robinson 120 Volt Centrifuge.

Centrifuge features include:

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. Lid designed with a hole in the center so that the centrifuge RPMs can be checked with a hand held tachometer with the centrifuge lid closed.

Specifications: 120 VAC, 60 Hz, 1 phase.
Weight 40 lbs., 20 diameter x 11-1/2.

- Model 850** 100ml short cone, 4 place head, non-heated
- Model 860** 100ml pear shape, 4 place head, non-heated
- Model 875** 100ml short cone, 4 place head, heated
- Model 880** 100ml pear shape, 4 place head, heated



The Robinson AIR DRIVEN centrifuge. Centrifuge features include:

1. A circular design offering a high-efficiency unit that meets or exceeds the RCF requirements of API and ASTM.
2. A pressure regulator control with an "off" position for a slow, smooth start and speed control.
3. Lid designed with a hole in the center so that the centrifuge RPM's can be checked with a hand held tachometer with the centrifuge lid closed.
4. Non-lubricated air motor. Requires no lubricator, eliminating the need for oil, service and maintenance.

Specifications: 100ml short cone, air driven motor. Inlet pressure max 100 psi, operating pressure 65 to 75 psi, air consumption 6 to 7 CFM. Weight 40 lbs., 20" diameter x 11-1/2".

Model 890 4 place head Short Cone
Model 891 2 place head Short Cone
Model 898 4 place head Pear Shape
Model 899 2 place head Pear Shape

The Robinson ELECTRICALLY HEATED-AIR DRIVEN centrifuge. Designed for use in Class 1, Division 2, Group D hazardous areas.

Centrifuge features include:

1. A circular design offering a high-efficiency unit that meets or exceeds the RCF requirements of API and ASTM.
2. A pressure regulator control with an "off" position for slow, smooth start and speed control.
3. Lid designed with a hole in the center so that the centrifuge RPM's can be checked with a hand held tachometer with the centrifuge lid closed.
4. Non-lubricated air motor. Requires no lubricator, eliminating the need for oil, service and maintenance.
5. A pre-heater section located in the front of the centrifuge for easy access to the operator.
6. Two independent electrical circuit design.
 - A. One circuit, controlled by an on-off switch and thermostat, heats the centrifuge bowl. When the sample is placed in the centrifuge at 140F, the pre-set thermostat prevents the sample temperature from dropping below 135F as specified by API and ASTM.
 - B. The second circuit is for the pre-heater section and is also controlled by an on-off switch and thermostat. Depending upon the oil sample's starting temperature, it will raise the temperature of two samples to 140F in a few minutes.

Specifications: 100ml short cone, 120 VAC electrical heated, air driven motor. Inlet pressure max 100 PSI. Operating pressure 65 to 75 PSI, Air Consumption 6 to 7 CFM. Weight 76 lbs., 24" x 28" x 11-1/2".



Model 894A 4 place head Short Cone
Model 895A 2 place head Short Cone
Model 896A 4 place head Pear Shape
Model 897A 2 place head Pear Shape

HEATED

Model	Volts	No. of Tubes	Tube Size ml	Heating Method	Pre-Heater	Dimensions			Wg. lbs.
						Lg.	Wd.	Hg.	
600	12 DC	4	12.5	Water	yes	18	14	9	31
610	12 DC	4	12.5	Electric	yes	18	14	9	31
620	115 AC	4	12.5	Electric	yes	18	14	9	32
621	230 AC	4	12.5	Electric	yes	18	14	9	32
720	115 AC	8	12.5	Electric	no	20	16	10	33
721	230 AC	8	12.5	Electric	no	20	16	10	33
820A/B	12 DC	4	100 SC	Electric	yes	23-1/2	20	11-1/2	60
821A/B	12 DC	2	100 SC	Electric	yes	23-1/2	20	11-1/2	60
822	12 DC	4	100 SC	Electric	no	21-1/2	20	11-1/2	36
823	12 DC	2	100 SC	Electric	no	21-1/2	20	11-1/2	36
824	12 DC	4	100 PS	Electric	no	21-1/2	20	11-1/2	36
825	12 DC	2	100 PS	Electric	no	21-1/2	20	11-1/2	36
844	12 DC	4	100 PS	Electric	yes	23-1/2	20	11-1/2	60
845	12 DC	2	100 PS	Electric	yes	23-1/2	20	11-1/2	60
870A	115 AC	4	100 SC	Electric	yes	23-1/2	20	11-1/2	65
872A	230 AC	4	100 SC	Electric	yes	23-1/2	20	11-1/2	65
874A	115 AC	4	100 PS	Electric	yes	23-1/2	20	11-1/2	65
875	115 AC	4	100 SC	Electric	no	21-1/2	20	11-1/2	40
880	115 AC	4	100 PS	Electric	no	21-1/2	20	11-1/2	40
892*	Air	4	100 SC	Electric	no	22	28	11-1/2	48
893*	Air	2	100 SC	Electric	no	22	28	11-1/2	48
894A	Air	4	100 SC	Electric	yes	24	28	11-1/2	76
895A	Air	2	100 SC	Electric	yes	24	28	11-1/2	76
896A	Air	4	100 PS	Electric	yes	23-1/2	20	11-1/2	76
897A	Air	2	100 PS	Electric	yes	23-1/2	20	11-1/2	76

* Available in Pear Shape



SERIES 600



SERIES 700



SERIES 500/800
WITHOUT PRE-HEATER SECTION



SERIES 800
WITH PRE-HEATER SECTION

NON-HEATED



Model	No. of Volts	No. of Tubes	Tube Size ml	Dimensions			Wg. lbs.
				Lg.	Wd.	Hg.	
500	12 DC	4	12.5	14	14	9	21
510	115 AC	4	12.5	14	14	9	24
550	12/115	4	12.5	14	14	9	24
701	12/115	8	12.5	20	16	10-1/2	33
702	12/230	8	12.5	20	16	10-1/2	33
703	115/230	8	12.5	20	16	10-1/2	33
710	115 AC	8	12.5	20	16	10-1/2	33
830	12 DC	4	100 SC	21-1/2	20	11-1/2	36
840	12 DC	4	100 PS	21-1/2	20	11-1/2	36
850	115 AC	4	100 SC	21-1/2	20	11-1/2	40
860	115 AC	4	100 PS	21-1/2	20	11-1/2	40
890	Air	4	100 SC	22	28	11-1/2	40
891	Air	2	100 SC	22	28	11-1/2	40
898	Air	4	100 PS	22	28	11-1/2	40
899	Air	2	100 PS	22	28	11-1/2	40

OPEN CENTRIFUGES



Model	Volts	No. of Tubes	Size ml	Type	Dia. of Swing	Wg. lbs.
570	12 DC	2	12.5	Stationary	13-1/2	5-1/4
571	12 DC	4	12.5	Stationary	13-1/2	5-1/2
572	12 DC	2	12.5	Portable	13-1/2	5-1/4
573	12 DC	4	12.5	Portable	13-1/2	5-1/2
574	12 DC	2	100 SC	Stationary	16-1/4	5-1/2
575	12 DC	2	100 SC	Portable	16-1/4	5-1/2
576	12 DC	2	100 PS	Stationary	17-1/4	5-1/2
577	12 DC	2	100 PS	Portable	17-1/4	5-1/2



HAND CENTRIFUGES

Die-cast aluminum body. Speed is attained through a 16 to 1 ratio of the pinion gear. Wide sweep crank has a spring clutch which assures effortless and safe start-up and stopping.

Model	No. of Tubes	Tube Size (ml)	Weight
560	2	12.5	6 lbs.
561	2	100 SC	7 lbs.
562	2	100 PS	7 lbs.
563	4	12.5	6-1/4 lbs.



OIL SAMPLE HEATERS

Oil sample heaters for preheating diluent and heating crude oil sample-diluent mixture prior to centrifuging. Available in both 12 volt DC and 115 volt AC. The 100 ml short cone models are equipped with a high-low switch for rapid heating and operator control of the sample temperature.

Catalog Number	Description	Voltage
100B028	4-place 12.5ml	12 VDC
100B029	2-place 100ml SC	12 VDC
100B030	4-place 12.5ml	115 VAC
100B031	2-place 100ml SC	115 VAC
100B032	2-place 100ml PS	12 VDC
100B033	2-place 100ml PS	115 VAC