

INSTALLATION AND OPERATING INSTRUCTIONS

RAJAMANE MAKE ROS SERIES OIL SKIMMERS

1. RECEIVING AND STORING:-

- 1.1. STORE THE OIL SKIMMER IN A CLEAN AND DRY PLACE IF IT IS NOT TO BE INSTALLED IMMEDIATELY.
- 1.2. KEEP THE OIL SKIMMER HORIZONTALLY, PROTECTING THE BELT & ITS SUPPORTS STAND FROM GETTING DAMAGED/BENT.
- 1.3. AVOID HIGH TEMPERATURE WHILE STORING TO AVOID ANY DAMAGE TO THE ELECTRONIC TIMER , IF FIXED WITH THE OIL SKIMMERS

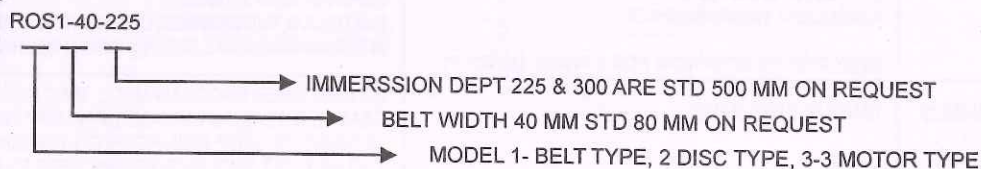


2. APPLICATIONS:-

- 2.1. RAJAMANE MAKE ROS SERIES OIL SKIMMERS ARE FOR REMOVING THE FLOATING OIL FROM COOLANT TANKS WASHING MACHINE TANKS CHEMICALS BATH TUBS, ETC. OIL SKIMMER DEPENDING ON THE TYPE & IMMERSION DEPTH, WILL CONSIST OF A BELT OR A DISC, WHICH WILL BE IMMERSSED IN THE TANK & DRIVEN BY A GEARED MOTOR EITHER OF 3 PHASE OR ONE PHASE TO SKIM THE FLOATING OIL. THE SKUMMED OIL WILL BE WIPED BY A WIPER & COLLECTED IN A TRAY TO BE DRAINED OUT THROUGH A PVC PIPE TO A COLLECTOR THE RPM OF THE BELT/DISC IS FIXED & IS NOT VARIABLE.
- 2.2. DURING INSTALLATION ENSURE THAT THE BELT OR DISC IS IMMERSSED IN THE LIQUID ATLEAST 40MM FROM THE TOP LEVEL OF THE LIQUID AT ANY GIVEN POINT TIME . TO SKIM OIL EFFICIENTLY.
- 2.3. THE OIL SKIMMER WILL WORK EFFICIENTLY UNDER NON TURBULENT LIQUID SURFACE. SO THE TIMER HAS TO BE PROGRAMMED TO SWITCH ON DURING THE NON TURBULENT CONDITIONS-LIKE AFTER A WASHING CYCLE ON A WASHING MACHINE. OR BEST WILL BE TO INSTALL AT A PLACE ON THE TANK WHERE THE LIQUID IS ALWAYS NON TURBULENT.
- 2.4. AVOID USING THE SKIMMER DURING MACHINE OF CAST IRON, AS THE FLOATING CAST IRON DUST WILL CLOG THE WIPERS & THE COLLECTOR TRAY.
- 2.5. SET THE TIMER TO SUIT MACHINING REQUIREMENT, SUCH THAT THE OIL IN TANK IS REMOVED DURING THE SKIMMER ON TIME IT IS SET FOR 15 MINS ON & 15MINS OFF. AT FACTORY.

THE OIL SKIMMER MODEL INDICATES THE FOLLOWING

3. TYPE DESIGNATION



THE SUFFIXES X,Y,Z, XY, ETC INDICATES A SPECIALTY WITH OIL SKIMMER & MUST BE MENTIONED WHILE ASKING FOR SPARES

5. A. ELECTRICAL CONNECTION:-

WARNING:- FOR 3 PHASE MOTOR CONNECT THE OIL SKIMMER THROUGH PROPER SWITCH/CONECTOR & PROVIDE OLR / SINGLE PHASE PREVENTER



CHECK THE VOLTAGE AND FREQUENCY MARKED ON THE OIL SKIMMER NAME PLATE, MAKE SURE THAT THE MOTOR IS SUITABLE FOR THE ELECTRICITY SUPPLY ON WHICH IT WILL BE USED. GROUND THE OIL SKIMMER BODY PROPERLY TO AVOID ELETRIC SHOCK.

FOR SINGLE PHASE OIL SKIMMER WITH TIMER THE CONNECTION IS THROUGH THE TIMER IN CASE OF EXTENSION OF THE WIRE FOR SUPPLY VOLTAGE. RE-CONNECT THE WIRES AS IN THE CONNECTION DIAGRAM FOR 3 PHASE MOTOR SKIMMERS. CONNECT THE TIMER WITH A SUITABLE CONTRACTOR IN ELECTRICAL PANEL

IF THE OIL SKIMMER IS WITH A TIMER PROGRAM THE TIMER AS PER THE INSTRUCTIONS ON THE BODY OF THE OIL SKIMMER TO SUIT YOUR ON-OFF CYCLE

7. 1. LUBRICATION AND MAINTENANCE :

THE OIL SKIMMER HAS ALL ITS PARTS SELF LUBRICATED HENCE NO SPECIAL LUBRICATION SCHEDULE IS REQUIRED

7. 2. PERIODIC CHECKS :

TO ENSURE SMOTH OPERATION OF OIL SKIMMER & PROPER SKIMMING OF THE OIL, FOLLOWING CHECKS SHOULD BE MADE.

- A. CHECK THE WIPER FOR WEAR OUT & CONTACT WITH BELT. IF NOT CONTACTED PROPERLY. BEND THE WIPER TOWARD BELT/DISC. WORN OUT REPLACE WITH THE NEW ONE.
- B. CLEAN THE COLLECTION TRAY TO ALLOW SMOOTH FLOW OF THE SKIMMER OIL.
- C. CLEAN THE BEFORE OF THE DRIVEN PULLEY (INSIDE THE TANK) TO ENSURE SMOOTH ROTATION OF THE SAME
- D. CHECK ON OFF CYCLE TIME IN THE TIMER.
- E. CHECK THE TENSION OF THE BELT, IF TOO LOOSE, CHANGE THE SPRING IN THE SUPPORT PIPE.



8. SERVICE

SPARE PARTS ARE AVAILABLE ALL OVER THE COUNTRY THROUGH OUR DEALER NETWORK OIL SKIMMER CAN ALSO BE SENT TO US FOR SERVICING WITH PROPER REPORT AND DOCUMENTS ON FREIGHT PAID BASIS TO K.R. PURAM (BANGALORE) BRANCH, BY ANY REPUTED TRANSPORTER

WHILE ORDERING SPARES PLEASE MENTION THE TYPE/MODLE/FRAME & MACHINE NUMBER AS ON THE NAME PLATE ALSO MENTION THE SUFFIXES OR PRERFIXES GIVEN WITH THE TYPE / MODEL FRAME ON THE NAMEPLATE.

9. TROUBLE SCHOOLER'S GUIDE :

FAULT	CAUSE	REMEDY
MOTOR DOES NOT START	AT LEAST TWO OF THE SUPPLY LEADS HAVE FAILED OR DISCONNECTED	CHECK FUSES, TERMINALS AND SUPPLY LEADS
MOTOR HUMMING NOISE FOR 3PH MOTOR	ONE OF THE SUPPLY LEADS HAS FAILED GEAR BOX STUCK MOTOR BEARING FAULTY TIMER OFF-SWITCH OFF CYCLE IS ON	CHECK FUSES, TERMINALS AND SUPPLY LEADS ROTATE BY HAND THE FAN OF THE MOTOR & SWITCH ON IF NOT STARTING WITH THE ABOVE CHANGE THE GEAR BOX/MOTOR REPLACE BEARING REPROGRAM THE TIMER
OIL SKIMMER DOES NOT SKIM THE OIL	LIQUID LEVEL TOO LOW WIPER NOT IN CONTACT WITH THE BELT / DISC BELT STUCK. BELT JOINT GIVEN WAY TURBULENT LIQUID SURFACE DIRECTION OF ROTATION(FOR 3 PHASE MOTORS)	FILL UP LIQUID REPLACE WIPERS/BEND THEM TOWARDS BELT / DISC CHECK DRIVEN PULLEY GROUP SCREW TIGHTEN IT. CHECK THE ROTATION OF THE BOTTOM-DRIVEN PULLEY REPLACE WITH NEW BELT SWITCH ON THE SKIMMER DURING NON-TUBULANT PERIOD INTERCHANGE ANY 2 SUPPLY WIRES TO CHANGE THE DIRECTION
TIMER COULD NOT BE PROGRAMMED FOR 12, U2, D2, PARAMETERS.	TIMER SETTING FAULT	GO INTO TIMER PROGRAM MODE, WAIT FOR BLINKING OF 'FN' CHANGE IT TO 'CL' & CHANGE 'L4' TO 'OF' WAIT FOR THE BLINKING TO STOP. NOW AGAIN GO TO PROGRAM MODE. NOW YOU WILL GET REQUIRED PARAMETERS TO MODIFY.

MODEL	MACHINE NO.	IMMERSION DEPTH	BELT TYPE	DISC SIZE MM	GEAR BOX NOISE?	WIPER EDGE	TIMER		REMARKS	CHD.BY
							WITH	WITH-OUT		
			PP / SS/ CHAIN							

TEST CERTIFICATE : MACHINE NO.:

ACTUAL TEST DETAILS

Insulation resistance: 500 M Ω

H.V. test at 2 KV : Passed

No load current at 415/230 V: A

THIS OIL SKIMMER IS TESTED & FOUND TO BE ELECTRICALLY & MECHANICALLY SOUND AND IN WORKING ORDER IN ALL PARTICULARS.

GUARANTEE CERTIFICATE:

This Oil Skimmer is guaranteed against manufacturing defects TWELVE calendar months from the date of commissioning or FIFTEEN calendar month from the date of dispatch whichever is earlier. This guarantee is subject to the condition that no tempering or repair is done to the oil skimmer. Failure due to single phasing, use in hazardous chemicals hot liquids are not must be sent to our works in bangalore. Through any reputed transport having delivery godown in K.R.Puram, Bangalore, FREIGHT PAID.

In case of any complaints furnish full name plate details & the party from whom this coolant pump was purchased.

DATE:

SIGN: