

INSTALLATION BULLETIN



ETL LISTED
MOTOR OPERATED
AIR COMPRESSORS
VACUUM PUMPS AND
PAINTING EQUIPMENT
ETL TESTING LABORATORIES INC.
CORTLAND, NEW YORK 13045

R0892068520

Installation, Care and Operation of REMA AIR VACUUMS

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REMA "Dri-Vac" WARRANTY

Rema "Dri-Vac" air vacuum systems are guaranteed for a period of one (1) year from date of original purchase. The Rema Corporation will replace free of charge any part thereof which proves to be defective in material or workmanship within one (1) year from date of original purchase. This warranty does not apply to damage resulting from accident, alteration, misuse, or abuse.

Any defect in said vacuum system should be brought to the attention of the Rema distributor from whom it was purchased who will be authorized to arrange for repairs or replacement within the terms of this warranty. If this procedure is impracticable contact REMA CORPORATION direct.

Rema Corporation will not assume any expense or liability for repairs made outside our factory unless authorization has been made for such repairs by the REMA CORPORATION. For minor motor repairs and checkup ONLY THE AUTHORIZED MOTOR SERVICE BRANCH of the motor manufacturer should be used.

Any correspondence with the factory concerning your Rema "Dri-Vac" should mention the Model Number and the Serial Number of the unit. This information is stamped on the nameplate which is attached on the side of the vacuum housing.

REMA DRI-VAC CORPORATION Norwalk, Conn.

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1. VACUUM HEADER - PIPE SIZES

The vacuum header from the condenser tank to pressing machines should be the same size as the inlet connection on the side of the tank. The following chart shows the correct header sizes for each model:

Model RP-1	: 2 inch	Model RPO-5	: 3 inch
Model RP-2	: 2 inch	Model RPO-8	: 3 inch
Model RP-3	: 2 inch	Model RPD-12	: 3 inch
Model RP-5	: 2 1/2 inch	Model RPD-16	: 3 inch
Model RP-8	: 3 inch	Model RPD-40	: 4 inch
Model RP-16	: 3 inch	Model RPD-50	: 4 inch
Model RP-20	: 3 inch		
Model RP-25	: 3 inch		

The vacuum header should be pitched toward the tank 1" for every 10' of header length. Branch pipe connections from the vacuum header to the air valves on the pressing machines should be no less than 2" in size. SEE FIG. IV FOR CORRECT INSTALLATION. For best results, connect branch to header with a Y fitting. See illustration, Fig. V, back page. Be sure there are no water pockets (low spots) in the vacuum header or branches. When Rema Vacuums are located on the same floor as the presses, and the vacuum header is lower than tank inlet, install a drain cock at the point where the piping rises. Drain daily. Whenever it is necessary to make sharp turns in the vacuum line, instead of a 90 degree elbow, try to use two 45 degree fittings or a long elbow. This procedure will reduce your vacuum losses to a minimum.

2. EXHAUST LINE

Must be same size or larger than machine outlet. Avoid sharp turns and water pockets in the exhaust line. When water pockets are unavoidable, a drain cock must be installed. For best operating conditions, the exhaust line should be kept as short as possible and should be piped to the outside atmosphere. When severe restriction makes it impracticable to run the exhaust line outside the building, we recommend piping the line into a small barrel or other suitable receptacle preferably located in the cellar directly under the presses. Escaping vapor from the exhaust line is a natural condition and is contingent on the weather.

NOTE: If a severe rise in the exhaust line is unavoidable, use 3" or 4" pipe for the entire length to lessen restriction. Install a petcock at the low point of rise to permit condensate to drain from the lines.

3. DIRECTION OF ROTATION AND SPEED

Important! - An arrow on the motor housing indicates correct direction of rotation which is COUNTER-CLOCKWISE when looking down on the motor from the top. When a machine runs backwards, suction is reduced by as much as 50%. Note: escaping steam between motor and turbine is an indication that the motor is turning backwards or that there is restriction in the exhaust line. By changing the electrical wiring connections according to the motor instructions, the direction of rotation can be reversed. Full load speed is 3450 RPM.

4. DRAINING

A 1/2 inch opening is provided in the condenser tank for draining. Use a faucet or if conditions warrant, use a check valve which will drain the tank automatically when vacuum is off. Drain: Waste water must be disposed of per all local and state regulations. Condenser tank should be drained at least once daily and cleaned of sediment about once a year.

5. TANK ERECTION - RUBBER SLEEVES

Locate tank in a clean, cool, dry, place. The three rubber mounts must rest freely and evenly on the floor, otherwise a vibration will result. Two rubber sleeves are provided to connect intake and exhaust lines. Note. The vacuum head (turbine) may be placed on the condensate tank in the position best suited for the most direct exhaust to the outside.



