

REMA

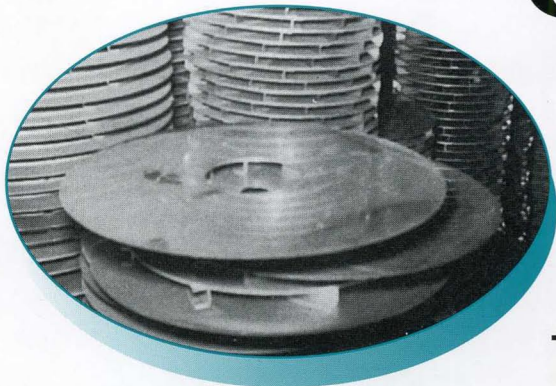
DRI-VAC AIR VACUUMS



The Quality Finish
for Quality Dry Cleaning



Ten Reasons Why REMA Air Vacuums Are Preferred by Plant Owners...Worldwide



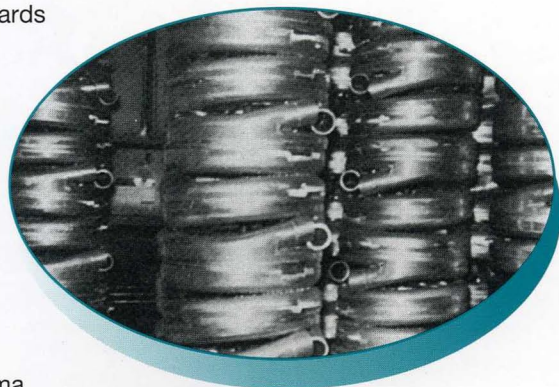
Quality. Every Rema Air Vacuum is custom crafted from the finest aluminum parts. All top and bottom sections are engine turned, while all impellers are precision balanced. Impellers along with all sections are then carefully flush welded for lasting durability. No rivets. No air drag. Just a continuous volume of clean, fresh air for quality finishing.

Design Excellence. Our exclusive, non-slip keyed turbine hub; 100% aluminum aircraft type turbine assemblies that can't rust; interchangeable motor turbine sections; 12 gauge coated steel condenser tanks to resist corrosion; and special rubber mount cushioning... All of this adds up to long term reliability, durability and performance.

E.T.L. Approval. Only Rema Air Vacuums carry the E.T.L. label — your assurance that the highest standards

of performance are always met. It is also your assurance that Rema complies with the toughest state and municipal requirements. Consequently, you can always trust a Rema product to operate reliably, safely and efficiently. Yes! Rema motors are UL listed.

Guarantee. Rema was among the first to offer a full one year limited guarantee on motor, turbine and tank. In the event there is a problem, no matter how minor, call our offices and give us a full description. We'll act promptly and completely to guarantee full satisfaction and absolute reliability.



Factory Service. Every Rema product is shipped the most economical and efficient way, via UPS and other carriers so that you never have to wait. One day service is normal. That's the kind of response you can always expect from Rema.

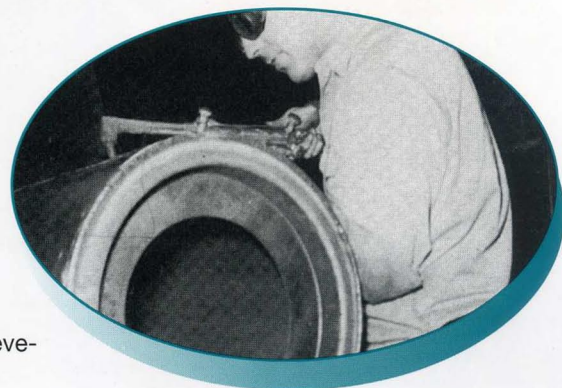


Loan Units. We stock a complete line of "loaners" to help tide you over during repair periods. There is no charge for this service except the nominal freight costs that may be involved. It's still another example of Rema's willingness to help.

Minimum Maintenance. We will repair any Rema Air Vacuum at our facilities for just a nominal fee. Along with the loaner service, this guarantees that your production scheduling will remain intact.

Special Colors. We'll be glad to supply your Rema Air Vacuum in a choice of colors to match your existing equipment at no extra charge. Be sure to provide us with a brand name and color sample when ordering and we'll do the rest. The procedure won't take more than an additional day.

Worldwide Acceptance. Rema Air Vacuums are known throughout the world, wherever quality finishing is a must. We have a brand name that is recognized immediately as the finest in the dry cleaning and laundry industries. With it comes a record of consistent quality that has no equal.



Friendly, Personal Service. We're young enough to be eager to serve you and old enough to do our jobs quickly and efficiently. Because we're not a big corporation, we pay attention to every detail, with fully personalized service. Our record of achievement - just about a half century - speaks for itself, with pride.



RP-1 VERTICAL

Single Press Air Vacuum

In the constant search by small plants for better quality, the Rema RP-1 "Dri-Vac" has provided the single, most efficient answer to advanced quality production.

The RP-1 provides a balanced 100% aluminum turbine

assembly; our unmatched 12 gauge corrosion-resistant tank and special, rubber mount cushion construction that are a "natural" for the small plant. Here are a few important specifications:



MODEL NO	NO OF PRESSES SERVED	MOTOR HP	INLET		OUTLET		OVERALL		SHIP WGT
			SIZE	HGT	SIZE	HGT	HGT	DIAM	
RP-1	1	1/2	2"	10 3/4"	2"	22 3/4"	31"	15"	90 LBS.

Two Press Air Vacuum

This high power yet compact "Dri-Vac" is ideal for smaller plants having limited floor space yet look forward to an expanded finishing department. The RP-2 series offer the benefits of all Rema Dri-Vacs, the same quality and just 15" dia. space requirements. Specifications are:

RP-2 VERTICAL



MODEL NO	NO OF PRESSES SERVED	MOTOR HP	INLET		OUTLET		OVERALL		SHIP WGT
			SIZE	HGT	SIZE	HGT	HGT	DIAM	
RP-2	2	3/4	2"	10 3/4"	2"	24 3/4"	33"	15"	96 LBS.

RP-3 VERTICAL

Three Press Air Vacuum

Serving from one to three presses, this efficient, economical "Dri-Vac" will generate a large volume of air in a quiet, effortless way. Despite its size, this three press model occupies small space - 15" dia. and 43" in height. Key specifications are:



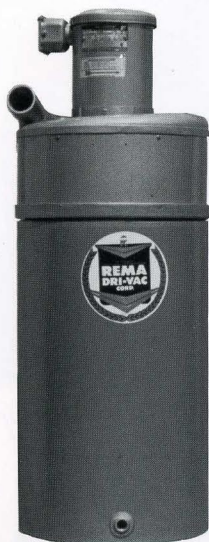
MODEL NO	NO OF PRESSES SERVED	MOTOR HP	INLET		OUTLET		OVERALL		SHIP WGT
			SIZE	HGT	SIZE	HGT	HGT	DIAM	
RP-3	3	3/4	2"	16"	2"	34 1/4"	43"	15"	104 LBS.

Four Press Air Vacuum

One of the most efficient "Dri-Vac's" you can use for a busy multi-press operation. Just 35" in height and only 19" dia., the RP-4 will produce the quality and production volume you are looking for, while effectively saving time, money and capital outlay. Important specifications include:

RP-4 VERTICAL

MODEL NO	NO OF PRESSES SERVED	MOTOR HP	INLET		OUTLET		OVERALL		SHIP WGT
			SIZE	HGT	SIZE	HGT	HGT	DIAM	
RP-4	4	3/4	2 1/2"	12"	2"	29"	35"	19"	130 LBS.



RP-5 VERTICAL

Five Press Air Vacuum

A real space saver for the busy plant, the RP-5 Vertical Series serves up to 5 presses with ease, yet is compact and powerful. This vacuum measures only 4 ft. high by 19" in diameter. Of course, it includes Rema's exclusive aircraft type turbine design which can't rust. Specifications are:

MODEL NO	NO OF PRESSES SERVED	MOTOR HP	INLET		OUTLET		OVERALL		SHIP WGT
			SIZE	HGT	SIZE	HGT	HGT	DIAM	
RP-5	5	1	2 1/2"	16 1/2"	2"	38 1/2"	48"	19"	137 LBS.



Eight Press Air Vacuum

This high velocity, eight press air vacuum solves problems found in critically crowded plants that must produce the finest workmanship, yet must cope with limited space availabilities. Rema's finely balanced turbine and rugged overall construction assures high reliability performance plus the lowest time per garment finishing that can be expected. Specifications are:

MODEL NO	NO OF PRESSES SERVED	MOTOR HP	INLET		OUTLET		OVERALL		SHIP WGT
			SIZE	HGT	SIZE	HGT	HGT	DIAM	
RP-8	8	1 1/2	3"	19"	2"	42 1/4"	52"	19"	144 LBS.

RP-8 VERTICAL

RP-12 VERTICAL

Twelve Press Air Vacuum

A heavy duty, rugged vertical air vacuum that is surprisingly quiet and virtually vibration free because of our precision balanced impellers and special cushioned mounts. A real space saver for the large plant, it will develop an extremely powerful flow of air so vital for the quality finished garment. If high level quality is your production goal, the RP-12 is a definitive answer. Specifications include:

MODEL NO	NO OF PRESSES SERVED	MOTOR HP	INLET		OUTLET		OVERALL		SHIP WGT
			SIZE	HGT	SIZE	HGT	HGT	DIAM	
RP-12	12	3	3"	19"	2 1/2"	42 3/4"	53 1/2"	24"	240 LBS.



Sixteen Press Air Vacuum

This multiple press, high volume, air vacuum takes a great deal less floor space than the old cast iron horizontal types. After years of research, field testing and on site use, Rema engineering developed this series of high efficiency, space saving units that will deliver more profits per garment in less time. Virtually noiseless and vibration free, the RP-16 is just 42 3/4" high and 24" in dia. Specifications are:

MODEL NO	NO OF PRESSES SERVED	MOTOR HP	INLET		OUTLET		OVERALL		SHIP WGT
			SIZE	HGT	SIZE	HGT	HGT	DIAM	
RP-16	16	3	3"	19"	2 1/2"	42 3/4"	53 1/2"	24"	240 LBS.

RP-16 VERTICAL



RP-20 VERTICAL

20 Press Vertical Air Vacuum

An expanded version of our 16 Press model and another producer for large, multiple press operations. Your savings start with startup costs and escalate with even more savings in space, parts replacement and overhead. Vertical, self contained, the RP-20 delivers high volume quality installed within a plant's finishing section. We'll even color coordinate to match your existing equipment. Specifications are:

MODEL NO	NO OF PRESSES SERVED	MOTOR HP	INLET		OUTLET		OVERALL		SHIP WGT
			SIZE	HGT	SIZE	HGT	HGT	DIAM	
RP-20	20	3	3"	19"	2 1/2"	44 3/4"	55 1/2"	24"	255 LBS.

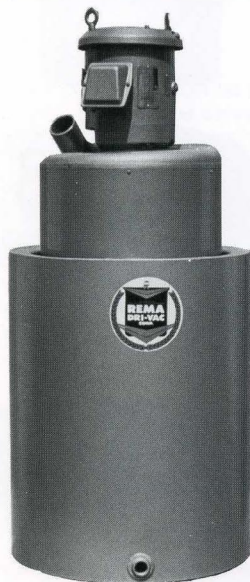


25 Press Vertical Air Vacuum

With 25 presses to serve, the RP-25 can literally squeeze-in more output per square foot for any big operation. The largest of our standard models, the RP-25 requires just about 24" dia. and is 59 1/2" high. Like all other Rema Dri-Vacs, it's the best in quality at the lowest possible cost. Specifications are:

MODEL NO	NO OF PRESSES SERVED	MOTOR HP	INLET		OUTLET		OVERALL		SHIP WGT
			SIZE	HGT	SIZE	HGT	HGT	DIAM	
RP-25	25	5	3"	21"	2 1/2"	49"	59 1/2"	24"	270 LBS.

RP-25 VERTICAL

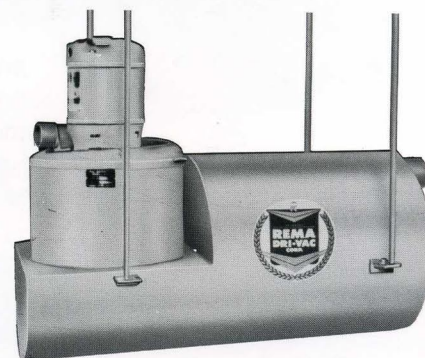


RPO-5 OVERHEAD

Five Press Overhead Air Vacuum

There's no such thing as being crowded for space when a Rema Overhead works for you. It offers greater freedom of floor planning, easier placement of equipment and facilities and simple overhead piping requirements. Easy to install, this Overhead "Dri-Vac" is one of our most popular models, especially where confined space and high production requirements are to be met. Specifications are:

MODEL NO	NO OF PRESSES SERVED	MOTOR HP	INLET		OUTLET		OVERALL		SHIP WGT
			SIZE	HGT	SIZE	HGT	HGT	DIAM	
RPO-5	5	1	3"	17"	19 7/8"	35"	39"	19"	155 LBS

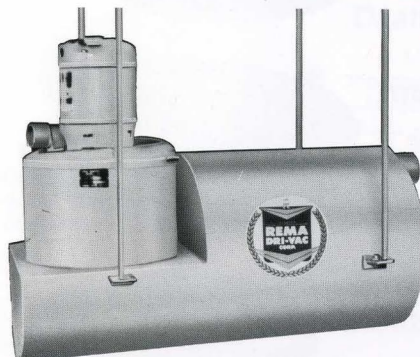


Eight Press Overhead Air Vacuum

The power packed member of our Overhead Air Vacuum family that conquers space problems while assuring you of quality finished garments, month after month, day after day. Most high volume operations demand that every inch of space be utilized properly and that profit per square foot is at a maximum. The RPO-8 does that job without the slightest hitch. Because it's Rema, you know the reliability is unmatched. Specifications are:

MODEL NO	NO OF PRESSES SERVED	MOTOR HP	INLET		OUTLET		OVERALL		SHIP WGT
			SIZE	HGT	SIZE	HGT	HGT	DIAM	
RPO-8	8	1 1/2	3"	17"	19 7/8"	35"	39"	19"	160 LBS.

RPO-8 OVERHEAD



RPD-40

DUAL

40 Press Dual Air Vacuum

Heavy duty with rugged housing to accommodate twin turbine assemblies, the RPD-40 develops an extremely powerful flow of air to satisfy all finishing demands. Quiet and almost vibration free due to the precision balanced

impellers and rubber mount cushions, the RPD-40 more than pays for itself in a short period of time. Specifications include:

MODEL NO	NO OF PRESSES SERVED	MOTOR HP	INLET		OUTLET		OVERALL		SHIP WGT
			SIZE	HGT	SIZE	HGT	HGT	DIAM	
RPD-40	40	6	4"	15 3/4"	2 1/2"	42"	56"	44 x 24	480 LBS.



50 Press Dual Air Vacuum

Our largest volume "Dri-Vac", the RPD-50 not only handles multiple presses easily, it also reduces boiler loads and helps you save on steam consumption and fuel consumption. Garment set up for all machines is quick and easy, combined with a powerful flow of dry clean air. Everything sets better and looks better when finished. Yes, the RPD-50 carries our factory assured, one year guarantee. Specifications include:

MODEL NO	NO OF PRESSES SERVED	MOTOR HP	INLET		OUTLET		OVERALL		SHIP WGT
			SIZE	HGT	SIZE	HGT	HGT	DIAM	
RPD-50	50	10	4"	15 3/4"	2 1/2"	42"	56"	44 x 24	510 LBS.



RPD-50

DUAL

RPE

50 CYCLE

50 Cycle Vertical Air Vacuums

Here is the world's most complete line of International type Vertical Air Vacuums for shops requiring 50 cycles of power. Compact, powerful and versatile, the RPE series offers a selection of models to serve from one or two presses to 20 units, in vertical models; and from 20

to 40 units in Dual "Dri-Vac" verticals. Designed for simple, lower cost installation and requiring minimal floor space, all Rema Dri-Vacs feature heavy 12 gauge, hot rolled steel condenser tank, exclusive aircraft type turbine design and precision balanced impellers to assure trouble free, higher air velocity for quality finishing. For your space requirements, specify Rema, the pioneer of Vertical Air Vacuums. Specifications include:

MODEL NO	NO OF PRESSES SERVED	MOTOR HP	INLET		OUTLET		OVERALL		SHIP WGT
			SIZE	HGT	SIZE	HGT	HGT	DIAM	
RPE-2	1	3/4	2"	10 3/4"	2"	24 3/4"	33"	15"	105 lbs.
RPE-3	2-3	3/4	2 1/2"	14 1/2"	2 1/2"	32"	40"	19"	165 lbs.
RPE-5	3-5	1	3"	16"	2 1/2"	30 3/4"	49"	19"	200 lbs.
RPE-8	5-8	1 1/2	3"	19"	2 1/2"	44 3/4"	54"	19"	213 lbs.
RPE-12	8-12	3	3"	19"	2 1/2"	42 3/4"	54"	24"	258 lbs.
RPE-16	12-16	3	3"	19"	2 1/2"	44 3/4"	56"	24"	265 lbs.
RPE-20	16-20	3	3"	19"	2 1/2"	44 3/4"	56"	24"	265 lbs.
RPDE-30	20-30	6	4"	15 3/4"	2 1/2"	42"	56"	44 x 24	480 lbs.
RPDE-40	30-40	10	4"	15 3/4"	2 1/2"	42"	56"	44 x 24	510 lbs.



INSTALLATION, CARE AND OPERATION OF REMA AIR VACUUMS

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 RP-25: 3 inch
Model RP-2: 2 inch	Model RPO-5: 3 inch
Model RP-3: 2 inch	Model RPO-8: 3 inch
Model RP-5: 2 1/2 inch	Model RPD-12: 3 inch
Model RP-8: 3 inch	Model RPD-16: 3 inch
Model RP-16: 3 inch	Model RPD-40: 4 inch
Model RP -20: 3 inch	Model RPD-50: 4 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, page 9, Fig. V. 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 impractical 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.

3

Direction of Rotation and Speed

Important! - An arrow on the motor housing indicates correct direction of rotation which is COUNTER-CLOCK-

WISE 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.

6

Motor Instructions – Overload Caution – Motor Heat

Instructions for electrical connections, care and operation of the motor are attached to the motor. READ THEM CAREFULLY. Keep instructions handy for future reference. MOTORS SHOULD BE CONNECTED BY AN EXPERIENCED ELECTRICIAN. An approved starting switch with heater protection MUST be used. Do not operate the vacuum unit before piping connections have been completed. It is characteristic of the exhauster (turbine) to be under heaviest load when inlet and outlet are wide open. This is likely to overload and burn out the motor. However, if it is necessary to test the machine, close off the inlet by means of a cover or board placed over inlet opening. MOTOR HEAT: Excessive motor temperature is caused by improper wiring and by overloading. Follow wiring guide on motor nameplate when connecting the motor. Keep dust and lint out of motor - clean frequently.

NOTE: When changing motor for voltage in single phase motors, BE SURE TO CHECK ROTATION after making the change.

NOTE: Single phase motors have thermal protection - either manual or automatic reset as indicated.

GROUND INSTRUCTIONS: This product should be connected to a grounded, metallic, permanent wiring system or an equipment grounding terminal.

7

Lubrication

Grease motor bearings, top and bottom, once every 6-8 months. Use high temperature grease, i.e. REMA SPECIAL LUBRICANT. A tube of this grease is enclosed with your Rema Vacuum.

Remove grease plugs leading to the bearings and screw the tube into the greaseway. Squeeze a small amount of grease into the raceway and replace the plug. NEVER USE A PRESSURE GUN! Additional tubes of grease may be ordered from your distributor.

CAUTION: Too much grease will create excessive friction, cause undue heat, and will eventually destroy the bearing. Consult the motor instructions which come with each unit for further information.

8

Before Starting

Check the following:

1. Voltage, phase and cycles on the motor nameplate coincide with available electric current. If in doubt, consult your lighting company.
2. Motor rotation is in direction of arrow which must be counter-clockwise looking down at the motor.
3. Inlet or outlet is closed or connected to a closed piping system.

9

Lack of Suction

1. Check direction of shaft rotation with arrow on motor housing. Direction should be COUNTER-CLOCKWISE looking down on the motor.
2. Make sure that condenser drain and riser check valves are closed.
3. Check pipe lines and other connections for leaks.
4. Examine pipe lines for water traps or pockets.
5. Check rubber sleeves. Steam devulcanizes the rubber after several years and permits sleeve on tank inlet to collapse.
6. Check air valves. See that air valves open properly and that foot treadle is not out of adjustment.
7. Examine padding to see if the pores are closed or if the padding is plugging holes in the pressing buck. Replace padding if necessary.
8. Check piping for stoppage caused by an accumulation of lint, especially at elbows.
9. If water accumulates on head casting under motor, check direction of motor rotation; check for possible restrictions in the outlet or exhaust line.

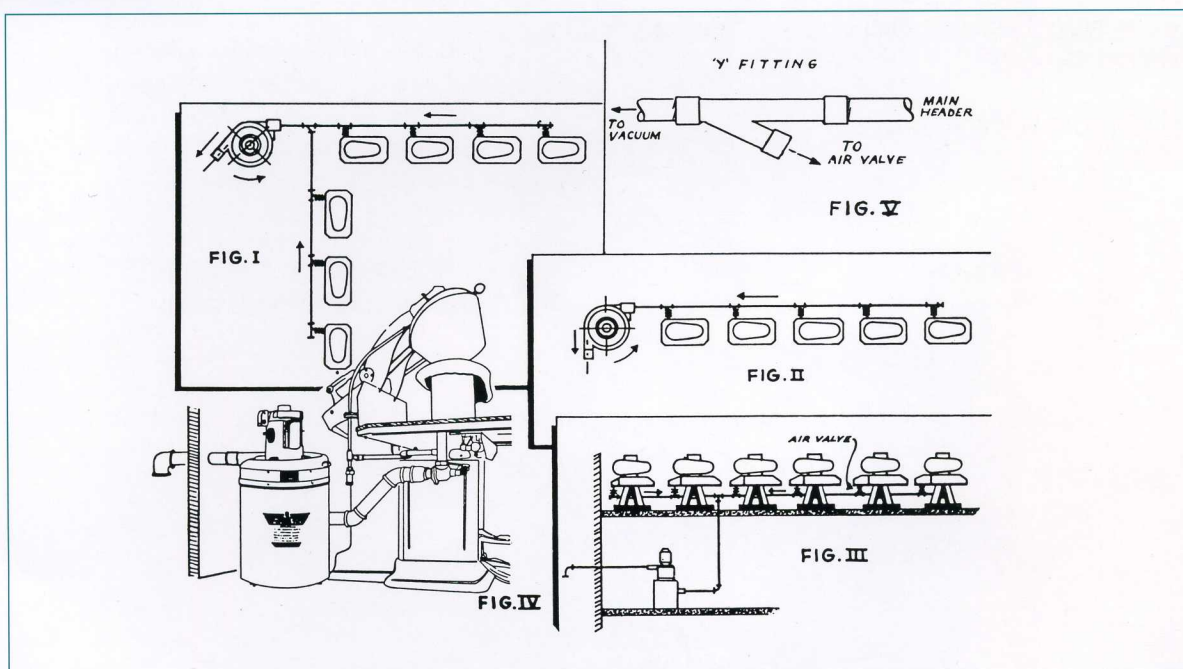
SPECIFICATION CHART



MODEL NO	*NO OF PRESSES SERVED	MOTOR HP	INLET		OUTLET		OVERALL		SHIP WGT
			SIZE	HGT	SIZE	HGT	HGT	DIAM	
RP-1	1	1/2	2"	10 3/4"	2"	22 3/4"	31"	15"	90 lbs.
RP-2	2	3/4	2"	10 3/4"	2"	24 3/4"	33"	15"	96 lbs.
RP-3	3	3/4	2"	16"	2"	34 1/4"	43"	15"	104 lbs.
RP-4	4	3/4	2 1/2"	12"	2"	29"	35"	19"	130 lbs.
RP-5	5	1	2 1/2"	16 1/2"	2"	38 1/2"	48"	19"	137 lbs.
RP-8	8	1 1/2	3"	19"	2"	42 1/4"	52"	19"	144 lbs.
RP-12	12	3	3"	19"	2 1/2"	42 3/4"	53 1/2"	24"	240 lbs.
RP-16	16	3	3"	19"	2 1/2"	42 3/4"	53 1/2"	24"	240 lbs.
RP-20	20	3	3"	19"	2 1/2"	44 3/4"	55 1/2"	24"	255 lbs.
RP-25	25	5	3"	21"	2 1/2"	49"	59 1/2"	24"	270 lbs.
RPO-5	5	1	3"	17"	19 7/8"	35"	39"	19"	155 lbs.
RPO-8	8	1 1/2	3"	17"	19 7/8"	35"	39"	19"	160 lbs.
RPD-40	40	6	4"	15 3/4"	2 1/2"	42"	56"	44 x 24	480 lbs.
RPD-50	50	10	4"	15 3/4"	2 1/2"	42"	56"	44 x 24	510 lbs.
RPE-2	1	3/4	2"	10 3/4"	2"	24 3/4"	33"	15"	105 lbs.
RPE-3	2-3	3/4	2 1/2"	14 1/2"	2 1/2"	32"	40"	19"	165 lbs.
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RPE-16	12-16	3	3"	19"	2 1/2"	44 3/4"	56"	24"	265 lbs.
RPE-20	16-20	5	3"	19"	2 1/2"	44 3/4"	56"	24"	265 lbs.
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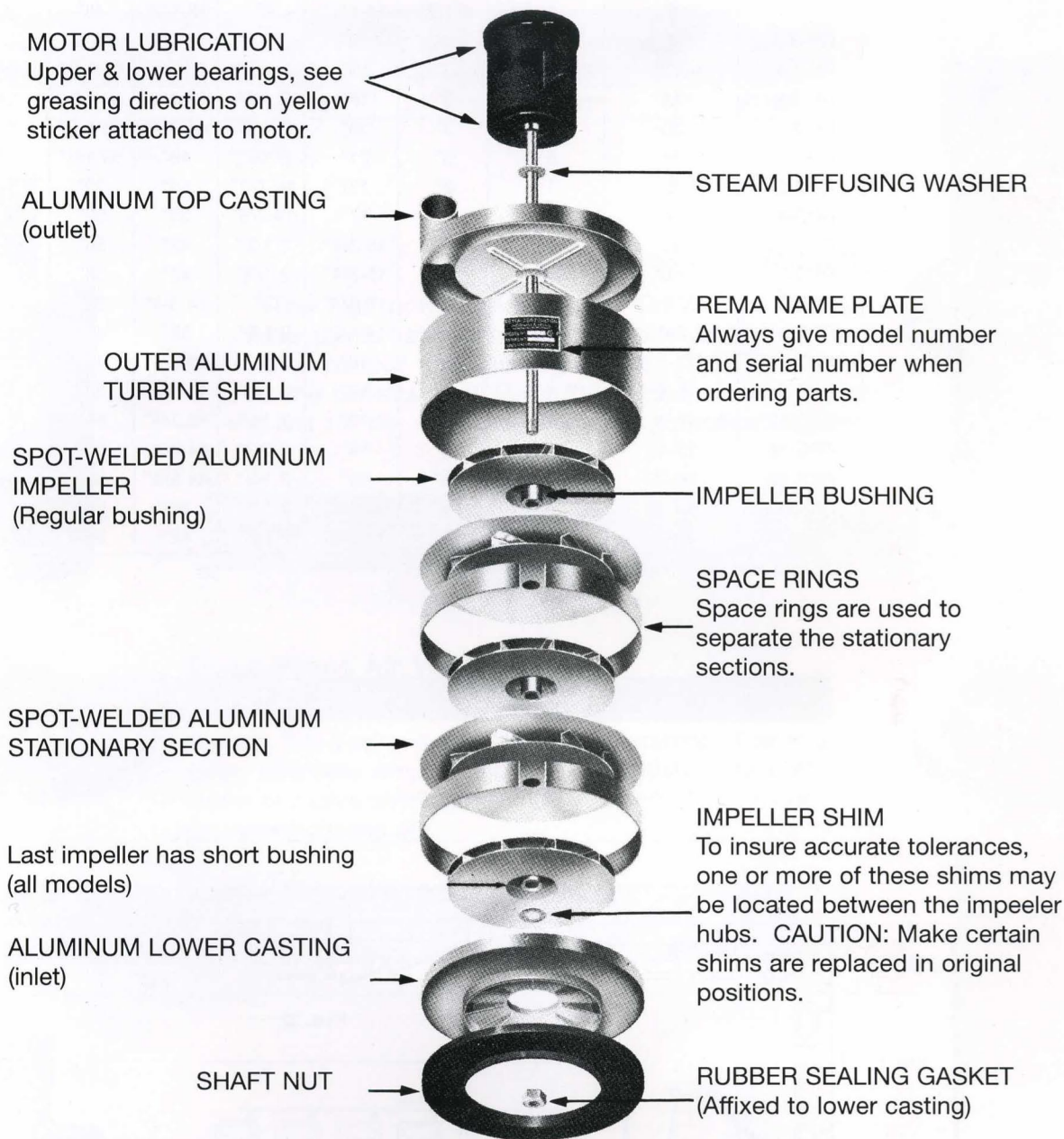
*Number of presses served is an estimated guideline. Call for specific applications.

SUGGESTED INSTALLATION LAYOUTS



Assembly Diagram REMA "Dri-Vac"

All models assembled in similar manner



Note: When disassembling turbine, be certain to keep all components in proper sequence.