

GTEK AUTOMATION

A Division of Pacific Air Engineering, Inc.

INSTRUCTIONS & PRECAUTIONS

Thank You Very Much for your purchase of our OEM Air/Vacuum Pumps. Before installation, please read this manual carefully. Disregarding the instructions may void manufacturer's warranty.

1. Installation

1-1. Always install the pump in a well ventilated location. Avoid operation in a high temperature location. If installing pump in an enclosure, insure the pump is well ventilated. If temperatures inside enclosure exceeds 40 degree C or 105 degree F, always install an auxiliary cooling fan.

1-2. Air & Vacuum pumps are designed for indoor use only. Never install in a wet location.

1-3. Keep the pump clean & free from dust accumulation & away from corrosive atmospheres.

1-4. Install the pump above water level when it is connected to nozzle under the water for aeration applications.

1-5. The inlet and outlet ports may require filtration in dirty environments or vacuum applications.

1-6. Mufflers may be used to quite air intake or exhaust noise.

2. Electrical Connection

2-1. Use applicable AWG wiring for rated voltage and amperage specifications.

2-2. Do not pull on power cords or wires. Fit a strain relief or cable clamp if tension is applied to wires or cord.

2-3. DC Voltage: Connect red wire to (+) DC power line and the black to (-) DC power line. Make sure the lead wires do not come in contact with each other or the pump body.

3. Use

3-1. Always operate the pump at the rated voltage on the nameplate.

3-2. Consult your supplier for use over the rated pressure/vacuum or time.

* Additional cooling fans can prolong life in these conditions.

3-3. All pumps are designed for AIR only. Never use with liquids or corrosive or explosive gases! Certain inert gases may be pumped, consult your supplier. Moisture from humid air may condense in the pumps and cause corrosion. A water trap is recommended in those applications when vacuum is used to transport liquids.

3-4. Use of a head pressure unloader valve allowing the pump to restart at 0 psi is highly recommended.

4. Maintenance

4-1. Never lubricate the pump. These are oil-less pumps, oil will cause internal damage to the pump.

Customer has sole responsibility for determining the suitability of our products for customer's use, or resale, or for incorporating them into objects, or for applications which customer designs, assembles, constructs or manufactures.

Please contact our office if you have any questions or require additional information.