

# Rocking Piston Compressors

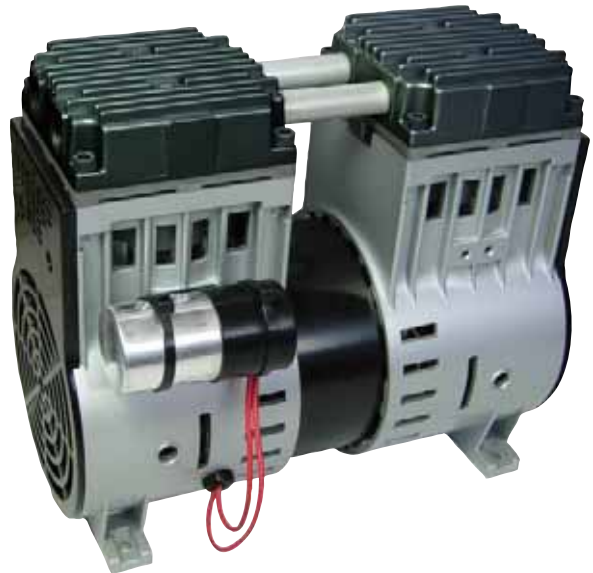


## Installation and Service Manual for ERP25, ERP252, ERP50, ERP502, ERP75, ERP752

Thank you for purchasing the ERP series rocking piston compressor. This instruction manual explains the product operations and gives important precautions regarding its safe use. Please read and follow these instructions to experience years of trouble free service on these top of the line units.

To avoid accident, do not use the compressor in any way other than as described in this instruction manual especially when you see "WARNING". After reading this instruction manual, keep it nearby as a reference in case questions arise during use.

If this instruction manual should become lost or damaged, ask your nearest dealer or representative for another copy.



### Installation



**WARNING!** Electrical Shock Hazard. Disconnect electrical power at the circuit breaker or fuse box before installing this product. Install this product where it will not come into contact with water or other liquids. Install this product where it will be weather protected. Electrically ground this product. Failure to follow these instructions can result in death, fire or electrical shock.

Correct installation is responsibility of installer. Make sure of proper installation conditions and that clearances do not block air flow.

Blocking air flow over the product in any way can cause product to overheat.

### Mounting:

Mounting the product to a stable, rigid operating surface and using shock mounts will reduce noise and vibration.

### Plumbing:

Connect with pipe and fittings that are the same size or larger than threaded ports. Be sure to connect the intake and exhaust plumbing to the correct inlet and outlet ports.

## Accessories:

Check filters periodically and replace when necessary. Install relief and gauges at inlet or outlet or both, to monitor performance. Check valves may be required to prevent back flow through pump.

## Electrical:



**WARNING!** Electrical Shock Hazard. This product must be properly grounded. Do not modify the plug provided. If it will not fit the outlet, have the proper outlet installed by a qualified electrician. If repair or replacement of the cord or plug is necessary, do not connect the grounding wire to either flat blade terminal. Check the condition of the power supply wiring. Do not permanently connect this product to wiring that is not in good condition or is inadequate for the requirements of this product. Failure to follow these instructions can result in death, fire or electrical shock.

All electrical work must be performed by a qualified technician. Always follow the National Electric Code (NEC) or the Canadian Electrical Code as well as all local, state and provincial electrical codes. Code questions should be directed to your local electrical inspector.

**VERIFY:** Make sure that power supply agrees with that listed on the product nameplate. All cords with plugs must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinances. Hard wired installations must be connected to a grounded, metallic, permanent wiring system or equipment grounding terminal or lead on the product.

## Operation:



**WARNING!** Injury Hazard. Install proper safety guards as needed. Keep fingers and objects away from openings and rotating parts. When provided, motor terminal covers must be in place for safe operation. Product surfaces become very hot during operation, allow surfaces to cool before handling. Air stream from product may contain solid or liquid material that can result in eye or skin damage, wear proper eye protection. Wear hearing protection. Failure to follow these instructions can result in burns, eye injury, or other serious injury.

## Start Up

If motor fails to start or slows down significantly under load, shut off and disconnect from power supply. Check that the supply voltage is correct and verify motor is turning proper direction. Check plug, cord and switch for damage. Thermal protection switch may have tripped, the motor can restart after cooling.

## Maintenance:



**WARNING!** Electrical Shock Hazard. Disconnect electrical power supply before performing maintenance. Failure to follow these instructions can result in death, fire, or electrical shock.



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## Inspection:

Be sure to release pressure from product before starting maintenance. Regularly inspect and maintain air intake filters. Check all external accessories such as relief valves and gauges for damage. Service Kits are available and vary by unit.

## Troubleshooting:

<i>Low Pressure</i>	<i>High Pressure</i>	<i>Pump Overheat</i>	<i>Won't Start</i>	<i>Excess Noise</i>	<i>Possible cause and solution</i>
x		x	x	x	Filter dirty. Clean or replace.
x					Valves dirty or bent. Clean or replace.
	x	x	x		Relief valve set too high. Inspect and adjust.
x					Relief valve set to low. Inspect and adjust.
x	x	x	x	x	Plugged line. Inspect and repair.
		x	x	x	Low voltage, won't start. Check power source.
x				x	Worn cup/piston hitting cylinder. Replace.
x			x		Leaky hose or check valve. Replace.
x		x	x	x	Dirt or liquid on top of piston. Inspect and clean.
x				x	Blown head gasket. Replace.

**Limited Warranty:**

- This product is warranted against any mechanical or material defects for a period of two years from the date of purchase.
- This limited warranty does not cover accidental damage to the product due to abuse or negligence by the consumer.
- An RMA number must be obtained by calling EasyPro Pond Products at 800-448-3873 and be included on package before returning for warranty issues.

Return warranty items to:

EasyPro Pond Products, 4385 East 110th, Grant, MI 49327

*Be sure to include RMA number, original receipt, name, return address and phone number in package.*

- In the event of a warranty claim, please return the product postage prepaid with the original receipt for repair or exchange. No warranty claims will be honored without the original receipt.
- The manufacturer or supplier shall not be held liable for any damages caused by defective components or materials of this pump; or for loss incurred because of the interruption of service; or any consequential/incidental damages and expenses arising from the production, sale, use or misuse of this product.
- The manufacturer or supplier shall not be held liable for any loss of fish, plants or any other livestock as a result of any failure or defect of this product.

Return  
warranty  
pumps to:

EasyPro  
Pond Products  
4385 East 110th  
Grant, MI 49327

Be sure to include  
RMA number, original  
receipt, return  
address and phone  
number in package!



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