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## Teich-Aire™ Linear Compressor Manual



Thank you for purchasing this Teich-Aire linear compressor. It is manufactured to the highest standards using quality materials. Please follow all recommended maintenance, operational and safety instructions and you will receive years of trouble free service.

**IMPORTANT: PLEASE READ THIS MANUAL AND SAVE FOR FUTURE REFERENCE.**

To facilitate future spare, or replacement, parts ordering or technical assistance, please copy the details from the compressor nameplate onto the nameplate image below and save for future reference.

### KASCO TEICH-AIRE LINEAR COMPRESSOR

MODEL:

FLOW:

MAX.

POWER:



**IMPORTANT PRODUCT USE INFORMATION**

- To avoid accidents or injury, do not use compressor in any way other than described in this manual.
- Do not lift compressor by the filter cover or by the power cord to avoid injury to yourself or damage to the compressor.
- Pump only clean, dry air.
- Operate at 41°F – 104°F (5°C – 40°C).
- Protect unit from dirt and moisture.
- Do not pump flammable or explosive gases or use in an environment that contains such gases.
- Protect all surrounding items from exhaust air. Exhaust air can become very hot.
- Corrosive gases and particulate material will damage unit. Water vapor, oil-based contaminants or other liquids must be filtered out.
- This compressor is oil-less and requires no lubrication.



**INSTALLATION REQUIREMENTS**

- Correct installation is your responsibility. Make sure you have the proper installation conditions and that installation clearances do not block air flow.
- Compressor needs to be installed in a clean, dry location.
- Compressor needs to be protected from dust, dirt and moisture and from the outdoor elements such as direct sunlight, rain, snow and flooding.
- Ambient air temperature must not exceed 104°F (40°C).
- In high temperature climates, a cooling fan with ventilation is recommended.
- Operate compressor horizontally on a stable, rigid surface.

**ELECTRICAL**

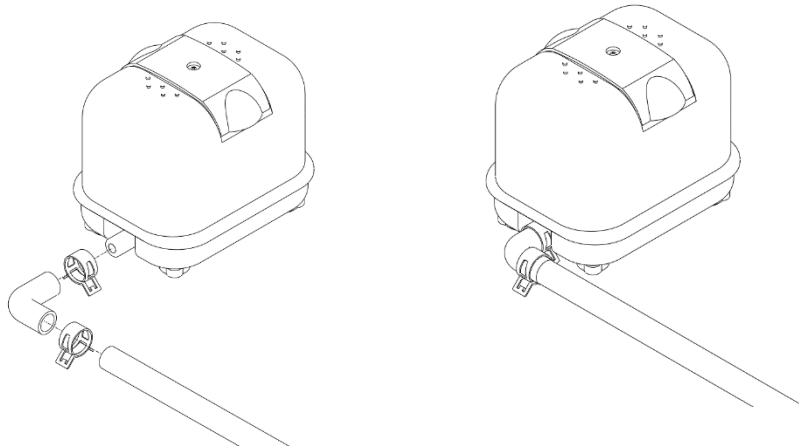
- Verify that the power supply voltage agrees with that listed on the compressor nameplate.
- This compressor must be properly grounded and plugged into an outlet that is properly installed and grounded in accordance with all national and local codes and ordinances.
- Do not modify plug provided; if it does not fit the outlet, have the proper outlet installed by a qualified electrician.
- It is your responsibility to contact a qualified electrician and assure that the electrical installation is adequate and in conformance with all national and local codes and ordinances.

<b>! WARNING</b>	
	
<b>Electrical Shock Hazard</b>	
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.	

<b>! WARNING</b>	
	
<b>Electrical Shock Hazard</b>	
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. The wire with insulation that is green or green with yellow stripes is the grounding wire.	
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.	

## PLUMBING/CONNECTIONS

- The exhaust port should be connected with the supplied flexible elbow or directly using appropriately sized tubing. Use the supplied hose clamps to secure elbow to port and tubing, or ½" PVC rigid pipe, to elbow.
- Take care to avoid bending, or causing a pinch point, in the elbow or using small diameter pipe, or tubing. Doing so may cause excessive pressure and overheat the compressor and/or shorten the life of the diaphragms.
- Plumbing runs should be as straight and short as possible to reduce pressure.
- It is your responsibility to operate this compressor at recommended pressures and permissible ambient temperatures.
- Do not start against a vacuum or pressure load.
- If compressor fails to exhaust air while under load, shut off and disconnect from power supply.





## MAINTENANCE

It is your responsibility to:

- Regularly inspect and make necessary repairs to compressor in order to maintain proper operations.
- Make sure that pressure is released from compressor before starting maintenance.

This compressor is oil-less and required NO lubrication.

Dust and foreign matter entering the air inlet may cause excessive noise and may result in compressor failure. To ensure proper operation, inspect and clean air filter after the first 500 hours of operation. Clean filter and determine how frequently filters should be checked during future operation, keeping in mind changes of environment during different seasons (heavy pollen in spring or increased dust particulate

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in dry summer months). Kasco recommends checking the filter every month and clean, or replace, as necessary. This one procedure will help assure the product's performance and service life. Failure to maintain clean air filter elements will lead to clogging which will cause excessive heat and premature failure of the compressor.

**For your convenience, one extra replacement air filter element has been included. Please keep available and use when original element gets too dirty or damaged.**

**! WARNING**

**Injury Hazard**

Product surfaces become very hot during operation, allow product surfaces to cool before handling.

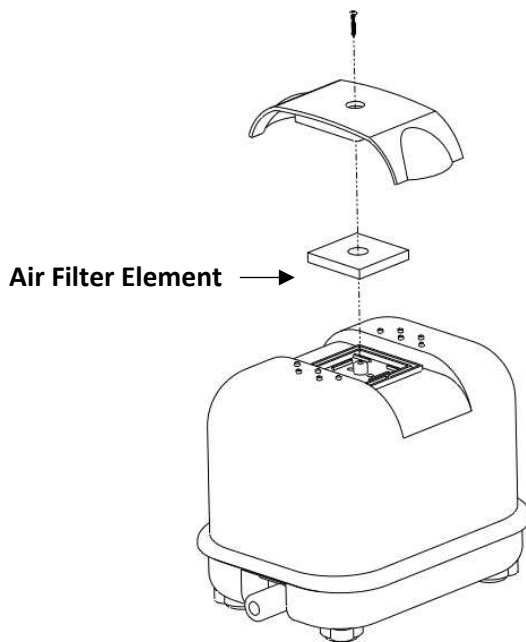
Air stream from product may contain solid or liquid material that can result in eye or skin damage, wear proper eye protection.

Clean this product in a well ventilated area.

Failure to follow these instructions can result in burns, eye injury or other serious injury.

**AIR FILTER ELEMENT CLEANING**

- Disconnect electrical power supply to the compressor.
- Vent air line.
- Remove filter cover using a Phillips head screwdriver.
- Remove filter element and wash with clean water before drying thoroughly out of direct sunlight.
- Clean the air inlet, filter cover and element holding area using a clean, damp cloth.
- Install cleaned (or replacement) filter element back into place and re-attach filter cover.



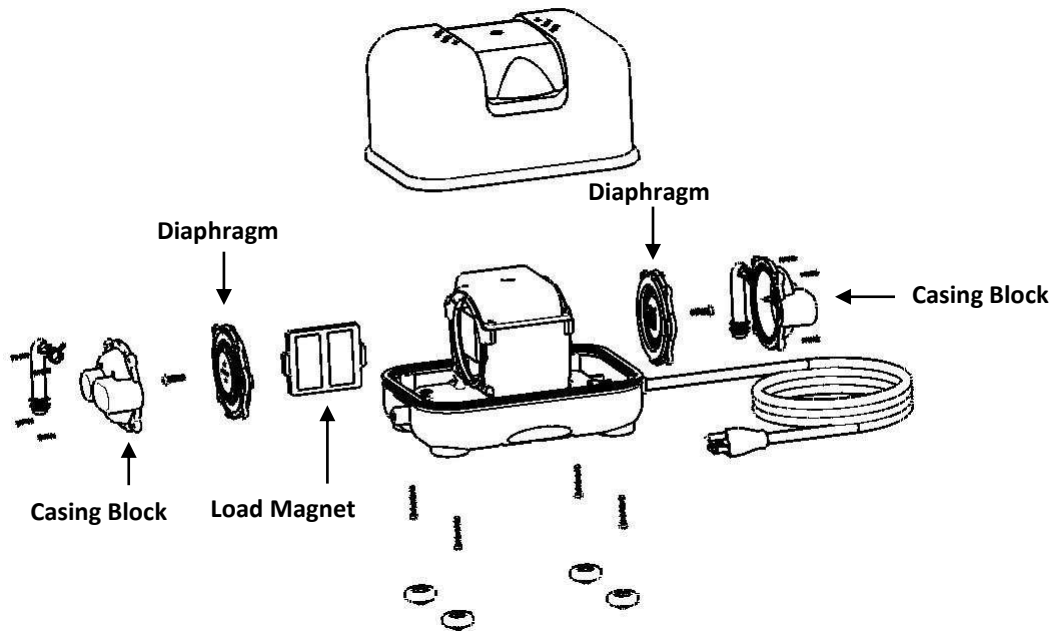
Replacement air filter elements are readily available. Contact your local Kasco distributor and ask for the appropriate Replacement Air Filter Element per the list below.

Part Number	Description	Models Used On
772459	Air Filter Element	TA-20L
772460	Air Filter Element	TA-40L, TA-60L, TA-80L
772461	Air Filter Element	TA-120L, TA-160L, TA-200L

**ADDITIONAL REPLACEMENT PARTS AVAILABLE**

Below is a list of additional replacement parts that are available if needed to repair a faulty compressor. Contact your local Kasco distributor and ask for the appropriate replacement parts per the list below.

Part Number	Description	Models Used On
772450	Diaphragm Kit <i>(includes 2 diaphragms)</i>	TA-20L
772451	Diaphragm Kit <i>(includes 2 diaphragms)</i>	TA-40L, TA-60L
772452	Diaphragm Kit <i>(includes 2 diaphragms)</i>	TA-80L
772453	Diaphragm Kit <i>(includes 2 diaphragms)</i>	TA-120L, TA-160L, TA-200L
772454	Load Magnet	TA-20L
772455	Load Magnet	TA-40L
772456	Load Magnet	TA-60L
772457	Load Magnet	TA-80L
772458	Load Magnet	TA-120L, TA-160L, TA-200L
772462	Casing Block	TA-20L
772463	Casing Block	TA-40L, TA-60L
772464	Casing Block	TA-80L
772465	Casing Block	TA-120L, TA-160L, TA-200L



**WARRANTY**

WARRANTY PERIOD: 1 year

Kasco® Marine, Inc. warrants this Teich-Aire™ compressor to be free from defects in material or workmanship under normal use and service. The Kasco Marine, Inc. obligation under this warranty is limited to replacing or repairing free of charge any defective part within the warranty period. Customer shall pay shipping charges for returning the unit to Kasco or an Authorized Repair Center.

THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, AND ANY OTHER OBLIGATION OR LIABILITY WHATEVER ON THE PART OF KASCO MARINE, INC. AND IN NO EVENT SHALL KASCO MARINE, INC. BE LIABLE FOR ANY SPECIAL OR CONSEQUENTIAL DAMAGES.

Warranty is void if:

- The compressor is not maintained properly according to the Maintenance Recommendations supplied in this owner's manual.
- The compressor is damaged by unauthorized tampering.

**Warranty Claim Procedure**

The best method for establishing warranty period is by the original receipt. Also, register the compressor online at: [www.kascomarine.com](http://www.kascomarine.com).

Once the warranty coverage has been established, the unit may be sent to Kasco or any Kasco Authorized Repair Center for evaluation and repair. Please call Kasco at 715-262-4488 prior to shipping to determine where best to send the unit for repair.

Kasco Marine, Inc.  
800 Deere Rd.  
Prescott, WI 54021  
Attn: Repairs

*Or call Kasco Marine at 715-262-4488 to locate your nearest Authorized Repair Center. You can also email Kasco at [returns@kascomarine.com](mailto:returns@kascomarine.com).*

Please include the Repair Form received from Kasco Marine or your local distributor with the shipment. If no Repair Form is available, include your name and physical address for return delivery of the repaired unit and a daytime phone number and/or e-mail address for correspondence regarding the warranty claim.

Any expedited shipping method for the return of the unit is at the customer's expense. Kasco Marine will return units repaired under warranty at our expense via ground freight within the continental United States.

### **Other Repairs**

Most failed equipment can be repaired at substantially lower costs than replacement with new. Please ship according to the instructions in the previous section. Again, it is best to call ahead for updated information and/or Repair Form.

Kasco Marine does estimates on repairs at the request of the customer. The request for estimate should be included in the letter that accompanies the returned unit and must include a daytime phone number and/or e-mail address.

Estimate options are as follows: We will contact the customer with a total after the unit has been evaluated, but before the work is performed. We will repair the unit only if repair costs are under a stated dollar amount. Example: "Please repair if total is under \$150.00 before shipping charges."

All estimates that are rejected for repair will be destroyed unless otherwise directed by the customer. If the customer would like the unit returned, the unit will be restored as closely as possible to the condition in which it was received and shipped at the customer's expense for shipping and handling charges.

### **Billing**

All non-warranty repairs will be returned to the customer unless otherwise directed. Kasco Marine also accepts Visa and MasterCard credit card payments. Kasco Marine will call for credit card information upon completion of the repair at the customer's request.

All other warranty and repair inquiries should be directed to Kasco Marine, Inc. at 715-262-4488 or [returns@kascomarine.com](mailto:returns@kascomarine.com).