



## Robust-Aire Systems 1,2&3

Robust-Aire System	Pond Size* (surface acres)	# Diffuser assemblies	Amps 120v/240v	CFM at 10 psi	Sure Sink Weighted 3/8 tubing	Maximum Depth
RA1	1.5	1	2.5/1.2	3.2	100 feet	50 feet
RA2	3	2	2.5/1.2	3.2	200 feet	50 feet
RA3	4.5	3	3.5/1.6	4.8	300 feet	50 feet

\*Based on a depth of 8 feet and a desired minimum turnover rate of 1 turn of complete volume per 48 hours. Sizing assistance is available.

### The Robust-Aire RA1 system:

- A single piston compressor
- One, 100 foot roll of 3/8 inch Sure Sink weighted tubing
- Robust Aire diffuser assembly

### The Robust-Aire RA2 system:

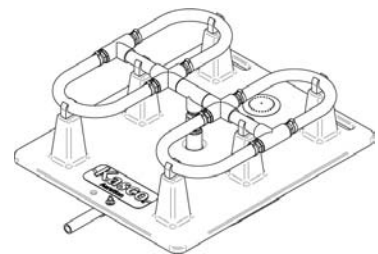
- Single piston compressor
- Dual port aluminum manifold with valves
- Two, 100 foot rolls of 3/8 inch Sure Sink weighted tubing
- 2 Robust Aire diffuser assemblies

### The Robust-Aire RA3 system:

- Double piston compressor
- Triple port aluminum manifold with valves
- Three, 100 foot rolls of 3/8 inch Sure Sink weighted tubing
- 3 Robust-Aire diffuser assemblies

### Robust-Aire Diffusers

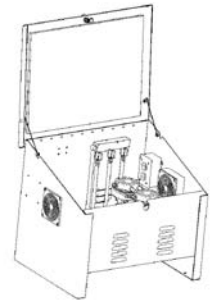
Robust-Aire diffusers are the most efficient on the market and create more water flow to aerate your pond. Diffusers are designed to provide a fine air bubble with the least amount of pressure. The base is made of thick HDPE plastic and a locking fill plug allows you to fill it with pea gravel or other weighted substrate. It has a raised design that keeps the diffusers performing at an optimal level above the pond bottom. A durable, bolted, strain relief attachment ensures that the weighted tubing will not become detached during installation or maintenance. A check valve with Viton seals keeps water from entering the tubing when the system is not operating.



**Enclosures:** Each of the above systems is available with three options for enclosures:

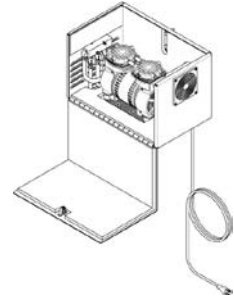
**A large base mount cabinet** is included as the default method for the system.

- Dimensions are 24" x 18" x 20"H
- 120 volt receptacle or a 240 volt junction box
- A single cooling fan provides 110 CFM ventilation
- Compressor is mounted at the factory in the cabinet which is provided with acoustical foam and a keyed cabinet lock.



**Post mounted cabinet (PM)** is mountable on an exterior wall or wooden post.

- Dimensions 19" x 12" x 12"H.
- 120 volt receptacle or a 240 volt junction box.
- A single cooling fan provides 110 CFM ventilation.
- Compressor is mounted at the factory in the cabinet which is provided with acoustical foam and a keyed cabinet lock.



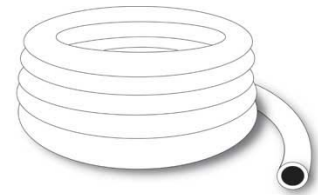
**No Cabinet (NC):** This is desired when installing the compressor system in your own structure.

Compressors need to be kept out of the weather in a well-ventilated area. A galvanized mounting bracket system is included with each compressor to allow mounting to a floor, wall, or pedestal. Rubber mounting feet and all hardware are included as well. Remote manifold is easily mounted via wood screws.

**Sure Sink weighted tubing** is available in easy to handle 100 foot coils. RA systems 1-3 include 100 feet of 3/8 tubing for each diffuser. Each coil is boxed and includes our full packet of barbed connectors and adapter fittings, and all-stainless steel tubing clamps. You will be prepared to make any connection necessary with the tubing kit. Additional 3/8 or 5/8 Sure Sink weighted tubing is available when additional length is needed.

Non-weighted (5/8)tubing is also available for delivering air over land to the water edge before converting to Sure Sink.

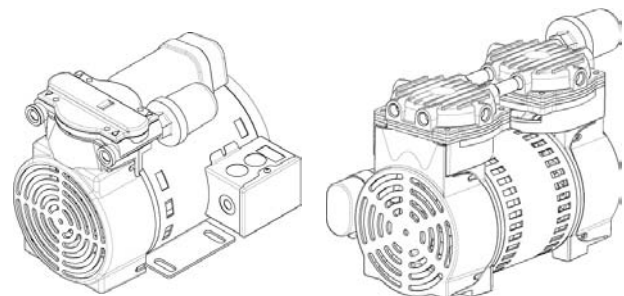
All tubing is also available in 500 foot reels. Reels do not include fittings.



### **Robust-Aire rocking piston compressors**

- provide efficient, continuous-duty operation with minimal maintenance and quiet operation. Units are extremely quiet.
- 25 psi pressure relief valve
- Air filter with replaceable cartridge
- Sound level is less than: 70 dB without cabinet (Window air conditioner), 65 dB with cabinet and acoustic sound proofing (Normal conversation)
- Safely starts under pressure. Maximum operating depth 40 feet.

Single and Double Head Compressors



**Warranty:** Two year complete warranty on all parts.



## Robust-Aire Systems 4,5,&6

Robust-Aire System	Pond Size* (surface acres)	# Diffuser assemblies	Amps 120v/240v	CFM at 10 psi	Sure Sink Weighted 3/8 tubing	Maximum Depth
RA4	8	4	5.1/2.6	6.4	400 feet	50 feet
RA5	10	5	6.2/2.9	8	500 feet	50 feet
RA6	11	6	7/3.5	9.6	600 feet	50 feet

\*Based on a depth of 15 feet and a desired minimum turnover rate of 1 turn of complete volume per 48 hours. Sizing assistance is available.

### The Robust-Aire RA4 system includes:

- 2 single piston compressors
- 2 dual port aluminum manifolds with valves
- Four, 100 foot rolls of 3/8 inch Sure Sink weighted tubing
- 4 Robust Aire diffuser assemblies

### The Robust-Aire RA5 system includes:

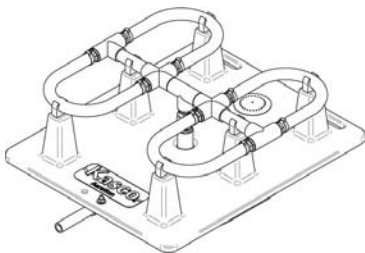
- 1 single piston compressor and 1 double piston compressor
- 2 valved aluminum manifolds: 1 dual port, 1 triple port
- Five, 100 foot rolls of 3/8 inch Sure Sink weighted tubing
- 5 Robust Aire diffuser assemblies

### The Robust-Aire RA6 system includes:

- 2 double piston compressors
- 2 triple port aluminum manifolds
- Six, 100 foot rolls of 3/8 inch Sure Sink weighted tubing
- 6 Robust-Aire diffuser assemblies

### Robust-Aire Diffusers

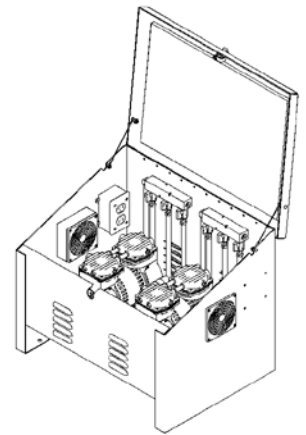
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**Enclosures:** Each of the above systems is available with two options for enclosures:

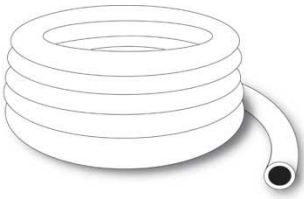
**A large base mount cabinet** is included as the default method for the system.

- Dimensions are 24" x 18" x 20"H
- 120 volt receptacle or a 240 volt junction box.
- Two cooling fans provide 220 CFM ventilation and are paired with the compressors.
- Compressor is mounted at the factory in the cabinet which is provided with acoustical foam and a keyed cabinet lock.



**No Cabinet (NC):** This is desired when installing the compressor system in your own structure.

Compressors need to be kept out of the weather in a well-ventilated area. A galvanized mounting bracket system is included with each compressor to allow mounting to a floor, wall, or pedestal. Rubber mounting feet and all hardware are included as well. Remote manifold is easily mounted via wood screws.



**Sure Sink weighted tubing** is available in easy to handle 100 foot coils. RA systems 4-6 include 100 feet of 3/8 tubing for each diffuser. Each coil is boxed and includes our full packet of barbed connectors and adapter fittings, and all-stainless steel tubing clamps. You will be prepared to make any connection necessary with the tubing kit. Additional 3/8 or 5/8 Sure Sink weighted tubing is available when additional length is needed.

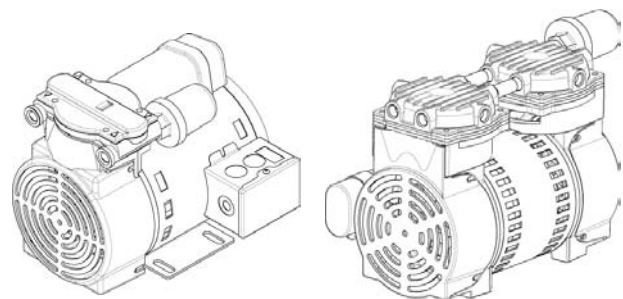
Non-weighted (5/8)tubing is also available for delivering air over land to the water edge before converting to Sure Sink.

All tubing is also available in 500 foot reels. Reels do not include fittings.

#### **Robust-Aire rocking piston compressors**

- provide efficient, continuous-duty operation with minimal maintenance and quiet operation. Units are extremely quiet.
- 25 psi pressure relief valve
- Air filter with replaceable cartridge
- Sound level is less than: 70 dB without cabinet (Window air conditioner), 65 dB with cabinet and acoustic sound proofing (Normal conversation)
- Safely starts under pressure. Maximum operating depth 40 feet.

Single and Double Head Compressors



#### **Warranty:**

Two year complete warranty on all parts.