



DEEP AIRE™

SUBSURFACE AERATION SYSTEMS



DEEP AIRE AT A GLANCE

Part #97DA25101

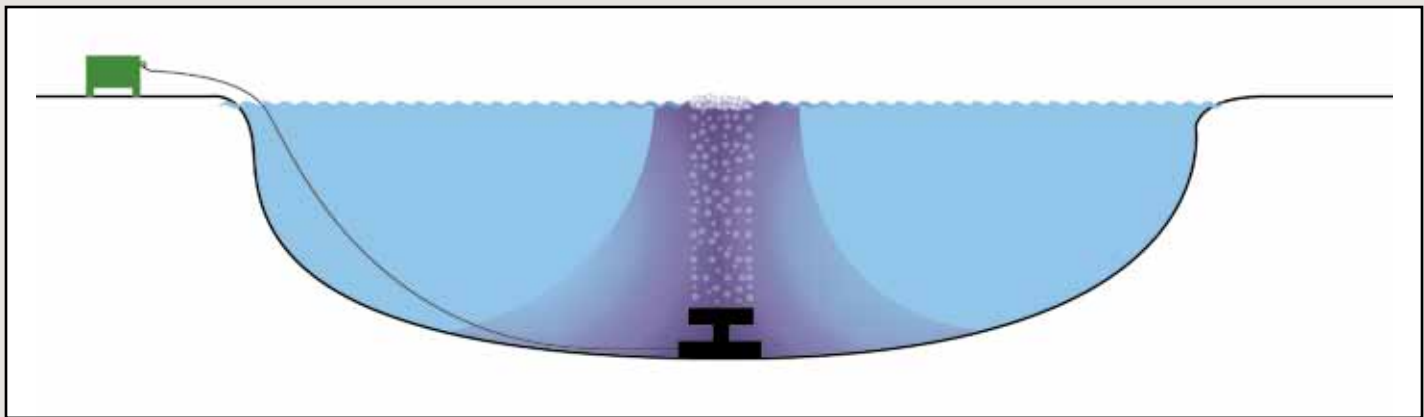


Part #97DA75401D



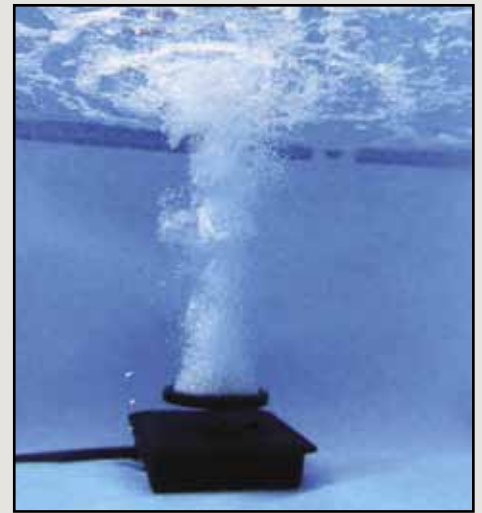
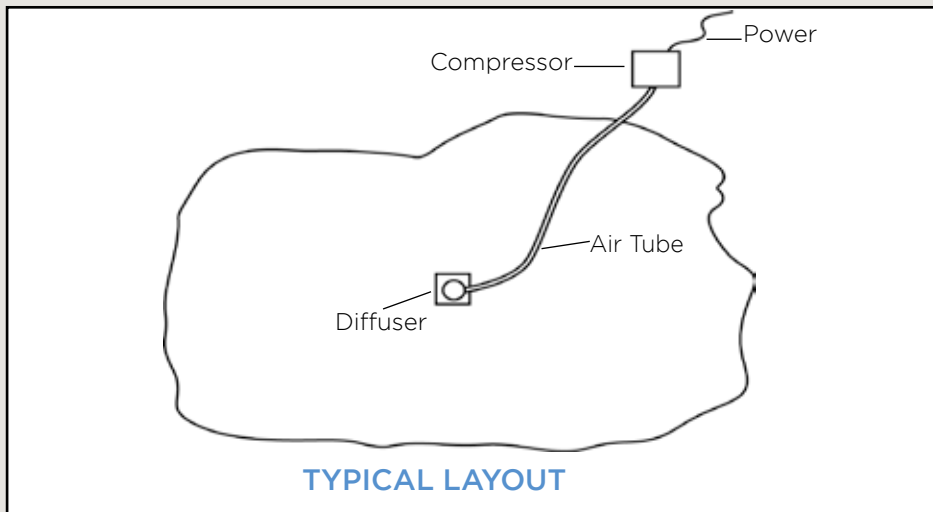
HOW IT WORKS

The shore mounted rocking piston compressor produces compressed air through a PVC air tube to a membrane diffuser located on the bottom of the pond. The compressed air is released into the water through the membrane diffuser releasing thousands of fine bubbles, which rise to the surface. As the bubbles of air rise, oxygen is transferred into the water. Simultaneously, as the bubbles rise, water is pulled upward, creating a flow of water from the bottom of the pond to the surface.



ADVANTAGES

- No electricity required at the water's edge. Your compressor needs electricity, but the compressor can be located wherever you desire.
- No floating object on the water surface enabling you to go boating or fishing.
- Lower maintenance and service costs due to no moving parts in the water.
- Safer swimming. The Deep Aire system does not require electricity to be in the pond.
- Eliminates thermal stratification, making it ideal for deep-water applications.
- One compressor aerates one long, narrow pond, or two small ponds.
- Improves water quality and clarity.
- Low operating cost.



PERFORMANCE DATA

ROCKING PISTON/DELUXE SYSTEM

Part #	HP	Volts	Phase	Max Amps	CFM Air	Flow @	Water	Depth	of:		
					0	10'	20'	30'	40'	50'	
97DA25101/97DA25101D	1/4	115	1	2.3	3.5	3.1	3.0	2.9	2.8	2.8	2.6
97DA25102/97DA25102D	1/4	230	1	1.2	3.5	3.1	3.0	2.9	2.8	2.8	2.6
97DA25201/97DA25201D	1/4	115	1	2.3	3.5	3.1	3.0	2.9	2.8	2.8	2.6
97DA25202/97DA25202D	1/4	230	1	1.2	3.5	3.1	3.0	2.9	2.8	2.8	2.6
97DA50301/97DA50301D	1/2	115	1	3.8	5.2	4.7	4.5	4.3	4.1	4.1	3.8
97DA50302/97DA50302D	1/2	230	1	1.9	5.2	4.7	4.5	4.3	4.1	4.1	3.8
97DA75401/97DA75401D	3/4	115	1	5.4	7.5	7.1	6.8	6.6	6.4	6.4	6.1
97DA75402/97DA75402D	3/4	230	1	2.7	7.5	7.1	6.8	6.6	6.4	6.4	6.1

SIZING INFORMATION

When selecting a Deep Aire diffused aeration system, consider the shape, surface area, and depth of the pond. The amount of surface area the Deep Aire diffused aeration system will effectively cover is dependent on the depth and shape of the pond. The area of coverage increases the deeper the diffuser is located in the water.

For example, the Deep Aire, 1/4 horsepower Rocking Piston with a single diffuser, located at a depth of 8', will provide adequate aeration and oxygen dispersion for an area of 1/4 acre. If the diffuser is located at a depth of 16', the coverage area increases to 1 acre.

The shape of a pond also affects the number of diffusers needed. An irregular shaped pond, (i.e.) kidney shaped, rectangular, or one with an island or peninsula, will require multiple diffusers to adequately disperse the oxygen.

Model	8' Deep	8' to 12' Deep	12' to 16' Deep
DA2510/DA2510D	1/4 acre 10,890 sq. ft	1/2 acre 20,780 sq. ft.	1 acre 43,560 sq. ft.
DA2520/DA2520D	1/4 acre 10,890 sq. ft	1/2 acre 20,780 sq. ft.	1 acre 43,560 sq. ft.
DA5030/DA5030D	3/4 acre 32,670 sq. ft.	1.5 acre 64,340 sq. ft.	3 acre 130,680 sq. ft.
DA7540/DA7540D	1 acre 43,560 sq. ft.	2 acre 87,120 sq. ft	4 acre 174,240 sq. ft.

OPTIONAL COMPONENTS

WEIGHTED PVC TUBING

90DAWT375 – 100' of 3/8" weighted PVC tubing, two (2) 3/8" barbed connectors, four (4) stainless steel hose clamps

90DAWT500 – 100' of 1/2" weighted PVC tubing, two (2) 1/2" barbed connectors, four (4) stainless steel hose clamps

90DAWT625 – 100' of 5/8" weighted PVC tubing, two (2) 5/8" barbed connectors, four (4) stainless steel hose clamps



TUBING CLAMP KIT

90DACF375 – 3/8" Tubing Clamp Kit: Eight (8) 3/8" ID nylon tubing connectors and sixteen (16) stainless steel hose clamps

90DACF500 – 1/2" Tubing Clamp Kit: Eight (8) 1/2" ID nylon tubing connectors and sixteen (16) stainless steel hose clamps

90DACF625 – 5/8" Tubing Clamp Kit: Eight (8) 5/8" ID nylon tubing connectors and sixteen (16) stainless steel hose clamps

DIFFUSERS

90DAMD1 – Single round rubber membrane diffuser with base, 1/2" and 3/8" barb fittings

90DAMD2 – Double round rubber membrane diffuser with base, 1/2" and 3/8" barb fittings



ABOUT AIR-O-LATOR

For over 40 years, Air-O-Lator has been manufacturing De-lcers, Aerators, Fountains, Mixers, and Aspirators for water treatment. Our high performance and dependable products are engineered to improve water quality bringing about a healthy water eco-system along with aesthetic beautification.

Today, more than ever, in our environmentally challenged world, protecting and managing water (one of our most important natural resources) is our goal. The Air-O-Lator product line is designed to provide the most natural, energy efficient way to treat water quality problems while being easy to use and maintain. Each unit is made in the USA and constructed from the highest grade components.

Our products are backed by our outstanding customer service guarantee. When customers call, they speak to an experienced, knowledgeable, and personable employee who can answer questions or handle any product issues.