

# AQUAIR™

AquaAir provides ponds and lakes with superior aeration, circulation, and de-stratification. Dissolved oxygen (DO) levels are increased throughout the entire water column with the use of bottom-mounted diffusers. The diffusers employ a super fine micro-bubble technology resulting in the highest diffuser oxygen transfer rates (OTR) available today. The micro-bubbles entrain bottom water and synergistically lift it to the surface where atmospheric oxygen is

## SYSTEM FEATURES

### DIFFUSERS

- Hollow base design for sand or gravel weighting
- Large base area for soft bottom sediment
- Self-cleaning, low maintenance construction
- Ultra low back pressure check valve
- Five year warranty

### AQUARINGS DIFFUSER

- Two tubular, concentric, porous membrane rings with micro-bubble technology

### DUAL MEMBRANE DIFFUSER

- Two flexible .23cm membrane discs with micro-bubble technology

### COMPRESSORS

- Manufactured by Gast and Thomas
- UL Listed
- ½HP – 1 HP 220V single phase
- Thermal overload motor protection
- One year warranty



Models 9410 & 9420  
Post Mount

### COMPRESSOR ENCLOSURES

- Cylindrical Stainless Steel housing
- Chimney effect assists to cool compressor
- Heavy-duty cooling fan concentrates air around compressor
- Stainless Steel hasp latch with MASTER LOCK® included
- Stainless steel cover and hardware
- Ease of internal accessibility
- Ground mount and post mount available
- Five year warranty
- Five optional slatted colored covers available

### SUPER SINK AIR TUBING

- Self-weighted for easy installation and quick sinking
- Flexible, will not crack or kink even in cold temperatures
- 1.3cm ID x 2.7cm OD x 0.7cm wall thickness
- Available in 30m increments
- Utilizes 1.3cm PVC insert fittings for quick connections
- Five year warranty

Dual Membrane  
Diffuser



AquaRings  
Diffuser

Slatted surround covers  
available in the following colors:



Models 9410 & 9420 Ground  
Mount with optional green  
slatted surround cover

# AQUAIR™

absorbed and then transferred throughout the water column. Additionally, this process provides excellent deterrence to thermal stratification (temperature layering of the water body).

The diffusers are connected to a revolutionary, new, cylindrical design enclosure—containing one of 3 compressor sizes—by self-weighted Super Sink air supply tubing.

System sizes range from 1/3 — 1 HP with one to six diffusers.

## NOTES

- Sizing guide based on lake turnover rate of 1.5 – 2 times per day. This is adequate to aerate most low oxygen, organic bottom sediment lakes
- Narrow lakes or lakes with fingers, coves or other physical features that restrict circulation may require additional diffusers
- Lakes with inflow sources of effluent water, highly polluted water, and/or high nutrient drainage run-off water may require additional diffusers

## LAKE AND POND BENEFITS

- Entire water column circulation — up to 15m<sup>2</sup> per minute depending on diffuser depth
- Elimination of thermal stratification
- Increased dissolved oxygen levels that stimulate the natural aerobic digestion process thus reducing nutrient levels and associated algal growth
- Elimination of oxygen related fish kills and expansion of the oxygenated habitat and ecosystem
- Reduction of mosquito and aquatic midge infestations
- Elimination of foul odors from undesirable dissolved gases
- Reduction of organic bottom sediment
- Preservation of a healthy aquatic ecosystem and an aesthetically pleasing aquascape to view and enjoy through improved water quality

*When superior aeration and de-stratification is desired for water bodies that require a more natural setting, permit safe recreational use, require non-moving or non-electrical parts, or are very deep and/or large, AquaAir by AquaMaster® is the Intelligent Choice.*



AquaRings Diffuser



Models 9430 through 9460 Ground Mount



Models 9430 through 9460 Ground Mount with optional sand slatted surround cover



Dual Membrane Diffuser



## AquaAir SIZING GUIDE AND SPECIFICATIONS

MODEL NUMBER	HP	VOLTAGE @1PH	RUNNING AMP DRAW	SUGGESTED POND SIZE Ha**	OPERATING DEPTHS (m)	DECIBELS 3m FROM COMPRESSOR
AquaAir 1* (P) F9410	1/3	220	1.9	To .2 To .4	1.2-3.7 4.0-7.6	70
AquaAir 2* (P) F9420	1/3	220	3.3	To .4 To .8	1.2-3.7 4.0-7.6	70
AquaAir 3 F9430	3/4	220	5	To .8 To 1.2	1.2-3.7 4.0-6.1	68
AquaAir 4 F9440	3/4	220	5	To 1.2 To 1.6	1.2-3.7 4.0-6.1	68
AquaAir 5 F9450	1	220	6	To 1.6 To 2	1.2-3.7 4.0-6.1	68
AquaAir 6 F9460	1	220	6	To 2 To 2.4	1.2-3.7 4.0-6.1	68

\* (P) Optional Post Mount Available

\*\* A pond's surface area is determined by multiplying its length by its width. Pond's actual shape and depth should be considered when selecting Horsepower.