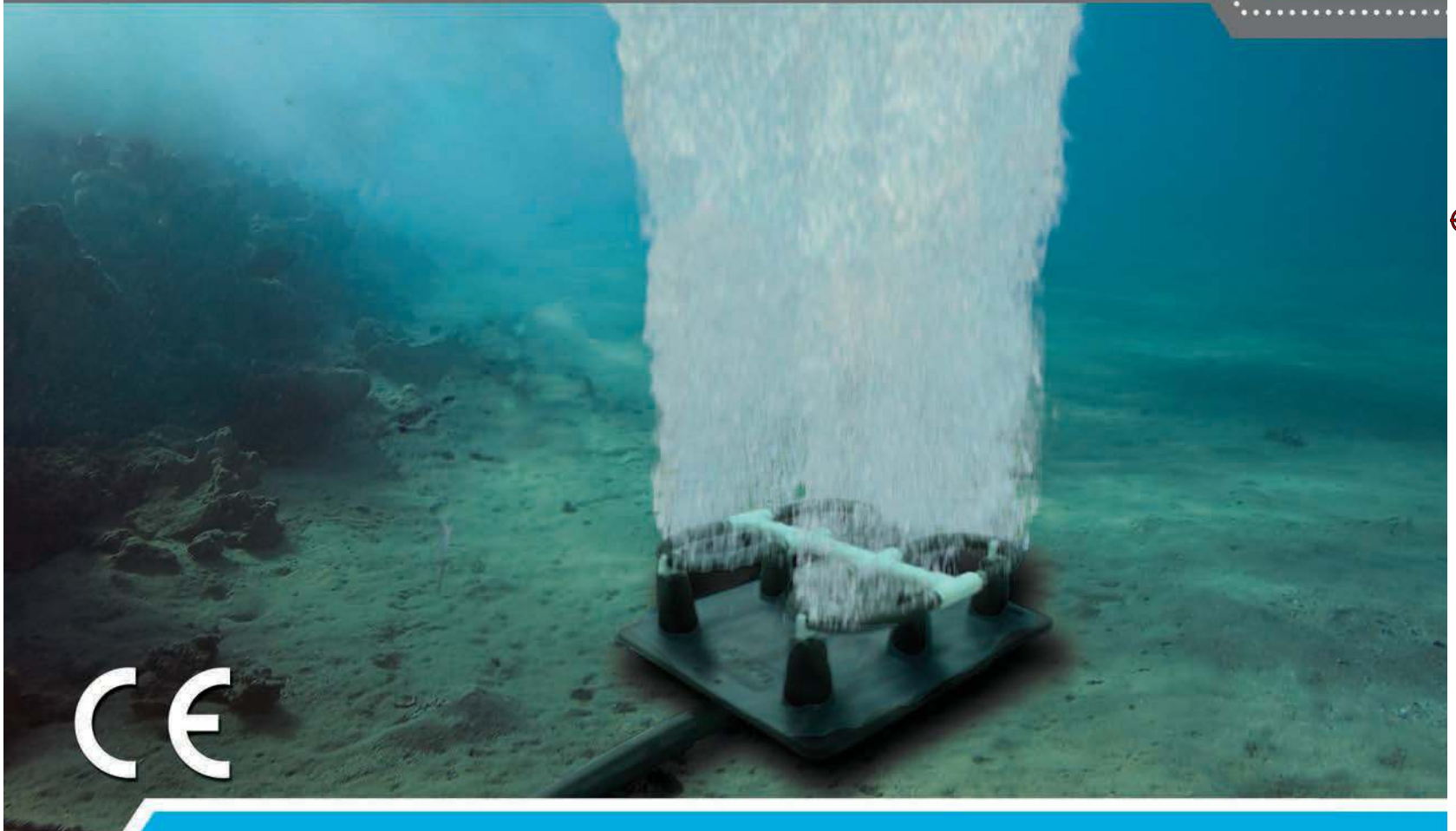


Kasco Marine's Robust-Aire Diffused Aeration



CE

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Now Available Throughout Europe: Kasco's Robust-Aire Diffused Aeration System

Kasco's Robust-Aire is not a new product; rather it's a tried and proven performer that has become one of the leading diffused aeration systems in the world. What is new; however, is full CE compliance for Robust-Aire. This means Kasco's well-known and well-respected product can now be sold throughout the European economic area.

What is Diffused Aeration & Why is Kasco's Robust-Aire the Best?

Adequate dissolved oxygen levels are critical to pond, lake and tank health and beauty. Proper dissolved oxygen levels enable several natural processes that optimize overall water quality and for water 3m and deeper, diffused aeration can be the most effective aeration method. In simple terms, Kasco's Robust-Aire pumps compressed air from a shore mounted compressor through air lines to a diffuser head on the pond, lake or tank bottom. The diffuser head continuously releases micro-bubbles that rise to the surface carrying large volumes of water with it, thus inducing oxygen transfer as well as beneficial water movement and mixing. No electricity is needed in the water, providing a safe swimming area, and the distance from the compressor to the diffuser head is virtually unlimited.

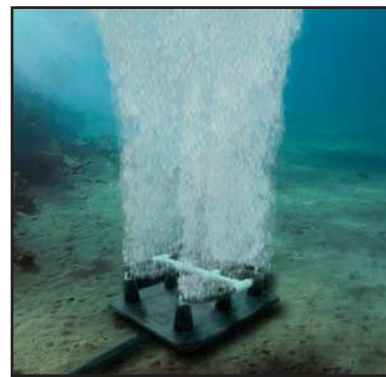
Although Kasco's Robust-Aire is new to Europe, it is not a new product. Years of research and development have been invested in the design and the system has been used in thousands of applications. A recent 3rd party independent research study compared 9 diffused aeration systems and Kasco's Robust-Aire was rated best delivering up to 44% more water flow per LPM (liters per minute) than any other system. This makes Kasco's system the most efficient on the market. Robust-Aire systems are rated for continuous operation and do it with unmatched energy efficiency.

Benefits of Robust-Aire:

- Quiet performance with little or no surface disturbance
- No electricity in the water (safe for swimming and public use areas)
- Can be installed great distances from power
- Easy to install, use and maintain
- Built to Kasco standards delivering superior reliability and performance
- Can be used for water aeration and/or de-icing

Applications Robust-Aire Can Serve:

- Backyard ponds
- Municipal lakes
- Water tanks and lagoons
- Water treatment plants
- Industrial effluent ponds
- Marinas and boatyards
- Water bodies long distances from power
- Pulpwood processors
- Power plants
- Food processing plants
- Fish farms
- Many, many more



Robust-Aire Resources

Robust-Aire Sizing Chart

The chart below can be used to determine what system is needed based on the surface area and average depth of a body of water. Contact Kasco for exact sizing assistance.

Surface Area (M ²)	Average Depth (M)		
	3-4	4-5	5-6
4,000	RAE1	RAE1	RAE1
6,000	RAE2	RAE2	RAE1
8,000	RAE3	RAE3	RAE2
10,000	RAE3	RAE3	RAE3
12,000	RAE4	RAE4	RAE3
14,000	RAE4	RAE4	RAE4
16,000	RAE5	RAE5	RAE4
18,000	RAE6	RAE5	RAE5
20,000	RAE6	RAE6	RAE5
22,000	RAE6	RAE6	RAE6
24,000	Multiple	Multiple	RAE6
26,000	Multiple	Multiple	RAE6

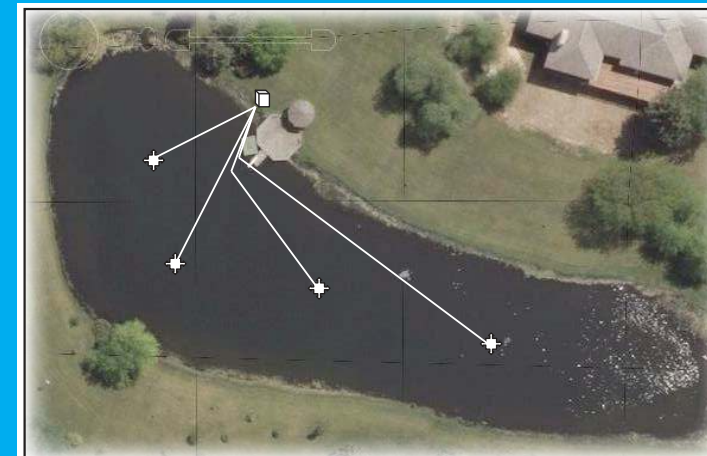
Robust-Aire Flow Rate Chart

The chart below lists the amount of water flow from the diffuser system based on the depth of the diffuser.

Depth of Diffuser (M)	kPa	Flow (M ³ per 24 hours)
2	19.4	5,053
3	26.9	7,580
4	35.8	11,369
5	44.8	17,054
6	62.7	28,821
7	71.7	37,467
8	80.6	48,708
9	89.6	63,320

Application Design Assistance

Kasco can present a complete system layout using an aerial view of your pond or lake. Contact Kasco for assistance.



Post Mount System Diagram

Below is a diagram of a post mount Robust-Aire system, highlighting the compressor, diffuser assembly and tubing (weight tubing not included, but available as option).



Remember the Consumables!

Make a good thing better by using Kasco's Macro-Zyme Beneficial Bacteria and AquaRenew Pond / Lake Dye in conjunction with the Robust-Aire Diffuser System. Being a blend of facultative anaerobic bacteria, Macro-Zyme's effectiveness is vastly improved with adequate oxygen levels making aeration and Macro-Zyme a perfect fit for improving any body of water. With Kasco's beneficial bacteria or dye, you can trust you'll get the results you need.





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