

DIFFUSER SPECIFICATIONS:

Retro™ RB4



I. Description

Designed for aeration of mid-sized recreational bodies of water or as a vigorous mixing device for industrial tanks. Transfers more oxygen and mixes more liquid per horsepower than any other competitive diffuser. Ideal CFM range is 1.50 - 4.50 at a minimum depth of 5 foot and mixes 106,488 gallons per hour.

II. Specifications

- Open-spiral, multi-plane, fine bubble diffuser
- Frame: Schedule 40/80 PVC, UV inhibited
- Membrane: 0.85" (2.2 cm) O.D. patent protected compound extrusion
- Dimensions: 12" (30.5 cm) L x 20" (50.8 cm) W x 4" (10.16 cm) H
- Weight: 1.4 lbs (0.6 kg)
- Flow Interference: 0.85" (2.2 cm)
- Active Surface Area: 192 in² (1239 cm²)
- Linear Lift: 144" (366 cm)
- Fitting: ½" FNPT

III. Performance

Air Flow SCFM	SAE lbs O ² /hr/hp	SOTE %/ft of submergence	Head Loss Inches of H ₂ O	Head Loss PSI
1.5	6.78	2.40	6.92	0.25
3.0	5.33	2.25	10.79	0.39
4.5	4.52	2.18	19.36	0.70

Independent test data is based on ASCE Certified Test for MixAir TA22 and other approved testing of MixAir RB4. SAE = Standard Aerator Efficiency, SOTE = Standard Oxygen Transfer Efficiency.

IV. Requirements

- ½" MNPT fitting for air supply
- Blower/compressor capable of supplying appropriate PSI and/or SCFM
- Optional: Variable Weight Ballast with built-in manifold
- Optional: Sinking Hose
- Optional: Check Valve

V. Warranty

1 Year Full Warranty.