

DIFFUSER SPECIFICATIONS:

Twister™ TA22



I. Description

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

II. Specifications

- Open-spiral, multi-plane, fine bubble diffuser
- Frame: Schedule 40/80 PVC, UV inhibited
- Membrane: 1" (2.54 cm) O.D. patent protected compound extrusion
- Height: 4" (10.2 cm)
- Diameter: 22" (55.9 cm)
- Weight: ~5 lbs. (2.23 kg)
- Flow Interference: ~1" (2.54 cm)
- Active Surface Area: 603 in² (3890 cm²)
- Linear Lift: 384" (975 cm)
- Fitting: 3/4" 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 |
|------------------|----------------------------------|-----------------------------|---|------------------|
| 8.0 | 5.92 | 2.50 | 19.40 | 0.70 |
| 10.0 | 4.75 | 2.35 | 23.51 | 0.85 |
| 12.0 | 4.55 | 2.14 | 27.66 | 1.00 |
| 14.0 | 4.20 | 2.05 | 33.19 | 1.20 |
| 16.0 | 4.05 | 2.01 | 45.16 | 1.31 |

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

IV. Requirements

- 3/4" MNPT fitting for air supply
- Blower/compressor capable of supplying appropriate PSI and/or SCFM
- Optional: MAT Variable Weight Ballast with built-in manifold
- Optional: MAT Sinking Hose
- Optional: MAT Check Valve

V. Warranty

3 Year Warranty: 1st year full, 2nd and 3rd year prorated.