

## DIFFUSER SPECIFICATIONS:

# Spider™



### 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

- Multi-plane, fine bubble diffuser
- Frame: Schedule 40 PVC, UV inhibited
- Membrane: 0.85"(2.2 cm) O.D. patent protected compound extrusion
- Dimensions: 38" (96.5 cm) L x 11.25" (28.6 cm) W x 2" (5.1 cm) H
- Weight: ~3 lbs. (1.36 kg)
- Flow Interference: 0.85"
- Active Surface Area: 16 in<sup>2</sup> (104 cm<sup>2</sup>)
- Linear Lift: 12" (30 cm)
- Fitting: 1/2" FNPT

### III. Performance

Air Flow SCFM	SAE lbs O <sub>2</sub> /hr/hp	SOTE %/ft of submergence	Head Loss Inches of H <sub>2</sub> O	Head Loss PSI
1/8 (0.125)	6.78	2.40	6.92	0.25
1/4 (0.25)	5.33	2.25	8.30	0.39
3/8 (0.375)	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 Spider. SAE = Standard Aerator Efficiency, SOTE = Standard Oxygen Transfer Efficiency.

### IV. Requirements

- Field assembly required
- 1/2" MNPT fitting for air supply
- Blower/compressor capable of supplying appropriate PSI and/or SCFM
- Optional: MAT Sinking Hose

### V. Warranty

3 Year Warranty: 1<sup>st</sup> year full, 2<sup>nd</sup> and 3<sup>rd</sup> year prorated.