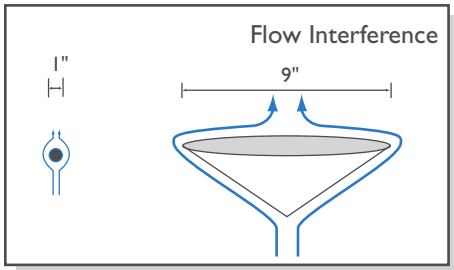
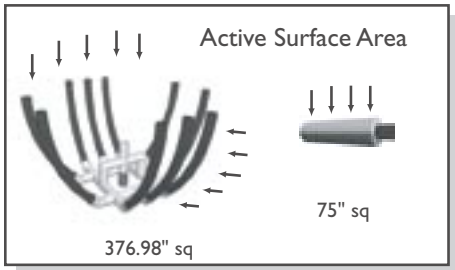
Spider™ SA12 vs. the Competition…



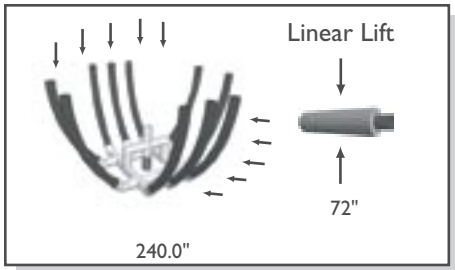
Flow Interference

The membrane used on the Spider™ SA12 is only 1" in diameter, creating only 1" of water displacement. A standard 9" disk creates a 9" barrier that the water must travel around in order to fill the low pressure area above the diffuser. The SA12 is therefore 9 times more "aerodynamic" by design.



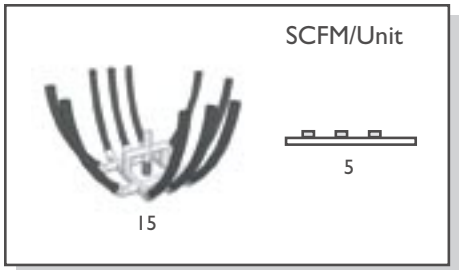
Active Surface Area

The surface area on a Spider™ SA12 diffuser is 5 times greater than the active area of a standard 2" tube. The Spider™ SA12 uses 10.0 feet of 1" OD membrane yielding 376.98 square inches of active surface area. The 2" tube has a total surface area of 150 square inches, yet it yields only 75 square inches of active surface area.



Linear Lift

The length of a tube defines its linear lift. For a 36" inch tube, this distance is 72 inches. The Spider™ SA12 effectively utilizes all sides of the membrane creating just over 3 times the linear lift of a 3" tube. Combined with its "aerodynamic" design, this gives the Spider™ SA12 superior mixing capabilities.



SCFM/Unit

The Spider™ SA12 is capable of diffusing 200% more air than a ceramic diffuser. Superior SOTE ratings, design, surface area, lift and air flow all contribute to the exceptional performance exhibited by the Spider™ SA12 diffuser from MixAirTech. It is simply the best.

At A Glance

Flow Interference - The distance water must travel around to fill the space above the diffuser. The smaller the better.

Active Surface Area - The area that *actively* produces bubbles. The greater this number, the better.

Linear Lift - Combined with Flow Interference, this number helps determine how much a diffuser can mix. The greater this number, the better.

SCFM/Unit - The typical amount of air a diffuser can produce each minute. The broader the range, the better.

What Makes MixAir Diffusers Better?

	Spider™ SA12	9" Disk Ceramic or Membrane	2" X 24" Tube Ceramic or Membrane	3" X 36" Tube Membrane	4 Stone Ceramic	6 Stone Ceramic
Flow Interference In inches	1	9	2	3	18	24
Active Surface Area In square inches	376.98	60.1	75	170	36	54
Linear Lift In inches	240.0	28.3	48	72	30	33
SCFM/Unit	.25-15	.5-7	.5-4	.5-4	.5-4	.5-5

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