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Robust-Aire Diffuser Assembly





Watch our assembly animation at http://kascomarine /products/diffusers/robust-aire/video

	Qty	9	6	1	1	-	-	2	1	2	2	-	issing.
oly for part names.	Description	Lock Nut	Carriage Bolt	5/8" Barbed Fitting	3/8" Barbed Fitting	3/8" Hose Clamp	5/8" Hose Clamp	Edge Guards	Substrate Connector	Substrate Riser	Tubing Assemblies	Inlet Check Valve Assembly	Please refer to parts reference guide on back page if a part is missing.
out assemb	BOM ID	+	2	3	4	5	9	7	8	6	10	11	s reference
An unpacked Robust-Aire Diffuser. Please reference this image throughout assembly for part names.													Please refer to part





Suggested Installation Tools & Methods

- 7/16" socket wrench with shaft extension or 7/16" nut driver
- Adjustable Wrench
- Flathead screw driver or ¼" Nut Driver
- Retrieval ropes longer than the desired installation depth. (Optional)
- Marker Buoy (Optional)

Warnings and Suggestions

When installing do not use boats that tip easily, such as a canoe. Follow all boating safety rules and regulations, including wearing a PFD. (Personal Flotation Device)

Make sure to unroll any rolls of SureSink tubing that have been received before installing the diffuser. Unrolling the tubing will make it less likely to kink as it is being taken out with the diffuser to the installation site. Make sure to also unroll and connect any additional rolls of Suresink before going to the installation site.

Using a retrieval rope coupled with a buoy will allow for easy retrieval of the unit if maintenance is ever needed or the need to move the diffuser arises.



Assembly Instructions





BOM ID Description Qty 1 5/8" Barbed Fitting 1 2 3/8" Barbed Fitting 1	Step 2: Assemble both Tubing Assemblies to the Inlet Check Valve assembly. Tighten until snug making sure blue line on both aeration tubing assemblies face the same direction and are parallel with the Inlet Check Valve Assembly. Tighten a barbed fitting into the check valve assembly. Choosing a barbed fitting depends on the customers SureSink tubing size. Use an adjustable wrench to tighten the barbed fitting to the Inlet Check Valve Assembly.
	Step 3: With the blue line on the tubing facing down, attach substrate riser around tee fitting. Rotate up and secure aeration tubing into substrate riser.

























