

# Assembly – Twister™ TA22

Congratulations, you have just purchased one of the most efficient aerators available today!

MAT accessories that are recommended for assembly:

- FK ..... Float Kit
- CHVS.75 or CHVO.75 ..... Check Valve
- BL18 or BL35 ..... Ballast
- SH ..... Sinking Hose

## Instructions

Recommended operation depth is 1-3 feet from the bottom of your holding facility. Mixing and turnover will improve with increased depth. The Twister™ TA22 comes equipped with a ¾" female U.S. standard pipe thread (FNPT) fitting for your convenience.

*For a hard-pipe installation:* connect the diffuser to your air supply with a ¾" MNPT fitting. The use of plumbers tape is optional.

*For a wet or flexible-pipe installation:*

1. Determine the installation depth/location of each diffuser.
2. Place looped end of tag line around diffuser manifold (shown below).
3. Secure the check valve assembly (CHVS.75 OR CHVO.75) to the TA22 first. Any other fittings may then be secured to the ¾" FNPT end of the check valve.

**⚠ Caution:** When securing the TA22 to your air supply, please hold the Twister™ by the manifold to avoid damage to your diffuser. Do not install or uninstall the diffuser by its wings.

**⚠ Caution:** Do not overtighten! Doing so may result in damage to the diffuser and, therefore, void your warranty.

4. Measure correct tag line length. Leave 2-3 feet additional length plus enough to attach float at the surface. Loop tag line through hole in center of float and crimp aluminium with lock-jaw pliers to secure.
5. Screw ¾" MNPT into check valve and attach diffuser assembly into MAT Ballast (BL18 OR BL35).
6. Attach MAT Sinking Hose with the appropriate barb fittings to the ballast. Use stainless steel hose clamps to secure hose to fitting.
7. Lower diffuser into place.

