



TITAN and BURSA Protein Skimmer User's Guide

Version 1.0



This user's guide shows how to setup the Titan and Bursa protein skimmers from Trigger Systems.

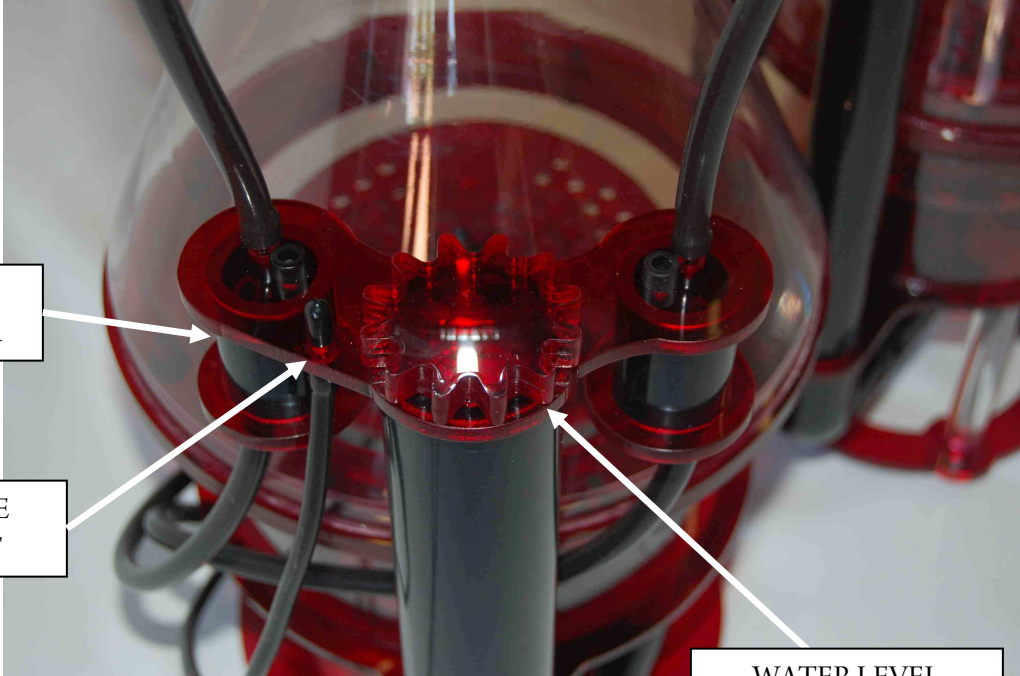
PARTS

The purpose of this section is to become familiar with the names of the parts on the protein skimmer so that you will understand future references.



AIR
SILENCER

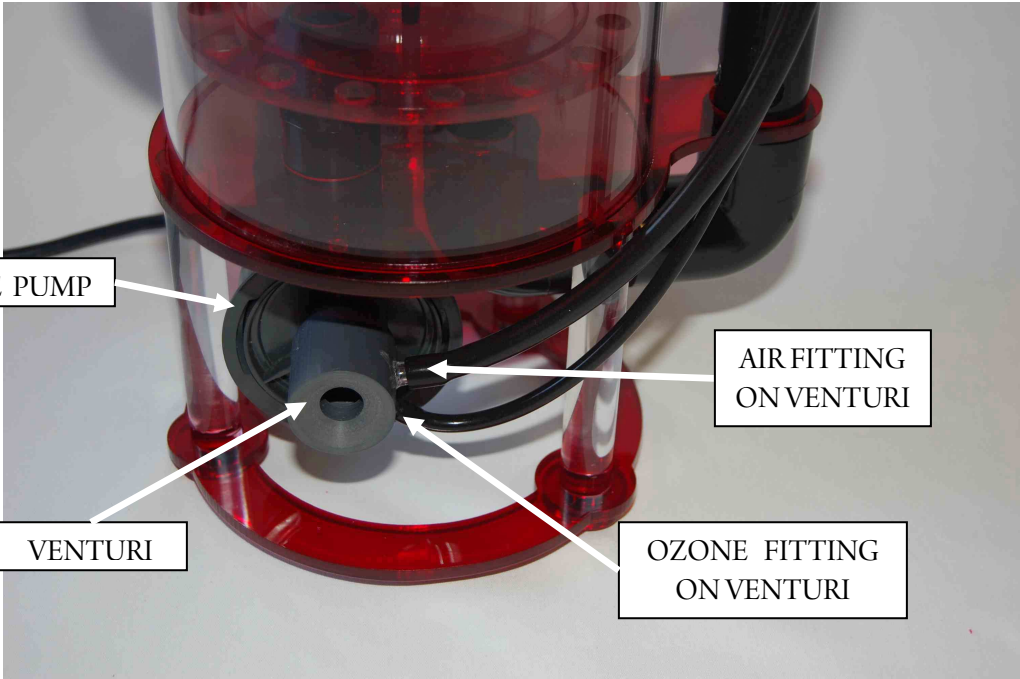
OZONE
INPUT



WATER LEVEL
ADJUSTING VALVE

SICCE PUMP

VENTURI



AIR FITTING
ON VENTURI

OZONE FITTING
ON VENTURI

GETTING STARTED

The Titan and Bursa protein skimmers are to be used **inside a sump only**. They cannot be used outside a sump. Place the skimmer into the sump. The skimmer will be buoyant and float so you may need to hold it down for a while to allow water to fill into the skimmer. The skimmers operate best is **7 – 11 inches of water**. It is recommended to have a constant water level so that the skimmer performs consistently. If the water level where the skimmer sits goes up and down due to evaporation then this will change the skimmer performance as the water level changes.

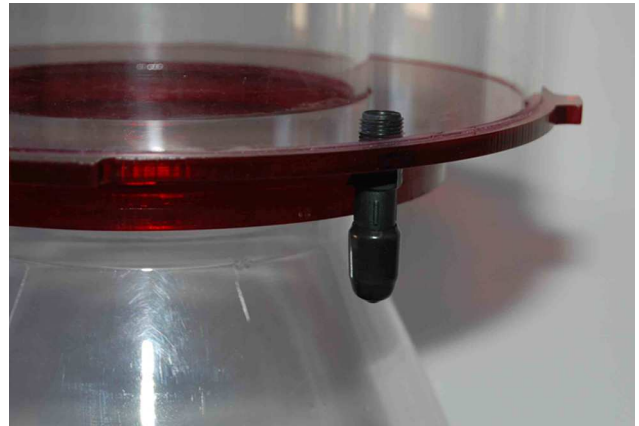
Open the water level adjusting valve all the way by turning it counter-clockwise as far as it will go. Plug in the pump(s) and then slowly close the water level adjusting valve until the water level is about 1 inch below the twist lock neck connection on the Bursa and about 3 inches below the twist lock neck on the Titan.

Allow the skimmer to start skimming. This may take a few hours to a few days. Once the skimmer starts skimming you can adjust the water level to tune in the desired waste collection. Raise the water level to get a wetter consistency of waste collection. Lower the water level to get a thicker darker waste collection.

OPTIONAL FEATURES

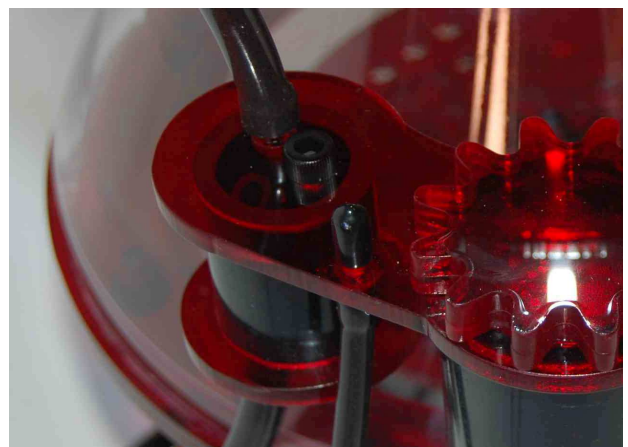
A. Collection Cup Drain Fitting

The collection cup drain fitting comes with a cap. Leave the cap in place if you do not use this fitting. Otherwise you can remove the cap and use 3/8" ID flexible tubing to connect this fitting to a waste collector. Note that this protein skimmer will not shut off when using an auto shut off waste collector that is designed for Beckett protein skimmers.



B. Ozone Input Fitting

The Ozone input fitting is to be used to inject ozone into the protein skimmer. If Ozone is not used then you can simply leave the provided cap on top of the ozone input fitting. Otherwise you can remove the cap and use 1/4" ID tubing to connect from your ozone generator to the ozone input fitting.



C. Recirculating Waste Air Connection

The extra hose(s) that is shipped in the collection cup is an optional recirculating waste air connection hose. It is intended to be placed on top of the air silencer and then to the side port fitting at the top of the collection cup. The purpose is to allow the humid smelly air to go back into the skimmer. If not used, then simply leave the cap located on the fitting on the collection cup in place. If used, remove the cap and connect the hose from the fitting in the collection cup to the top of the air silencer. Note that you will need to remove this hose at the collection cup connection each time that you clean the collection cup.



ASSEMBLY / DISASSEMBLY

Please refer to the [Titan_Assembly_Instructions.pdf](#) or the [Bursa_Assembly_Instructions.pdf](#) for information on how to assemble and disassemble the Titan and Bursa protein skimmers respectively.