

Step-by-Step Guide to Constructing a Floating Drum Biogas Digester.

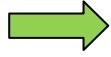


Cut the top off the 1500I DIGESTER tank like this



Make a 63mm hole for the OUTLET at the TOP of the tank





Make a 75mm hole for INLET near the BASE of the tank on the OPPOSITE side to the OUTLET



Cut the top off the GAS HOLDER tank like this



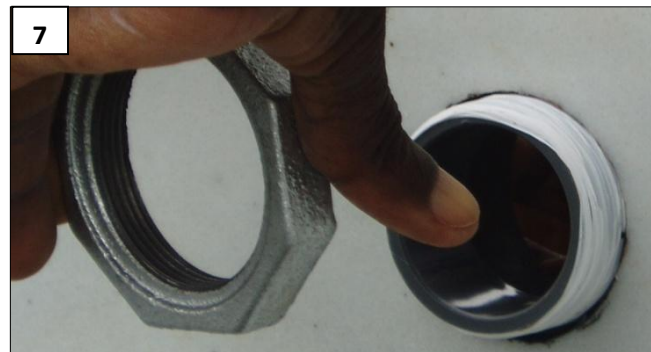
63mm fittings for the OUTLET



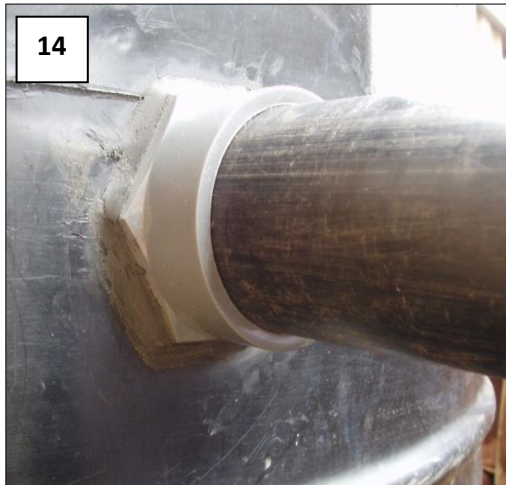
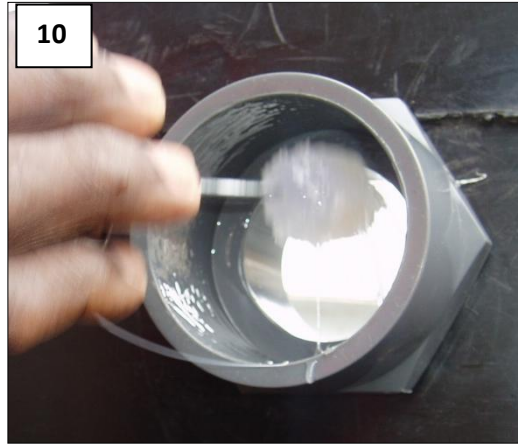
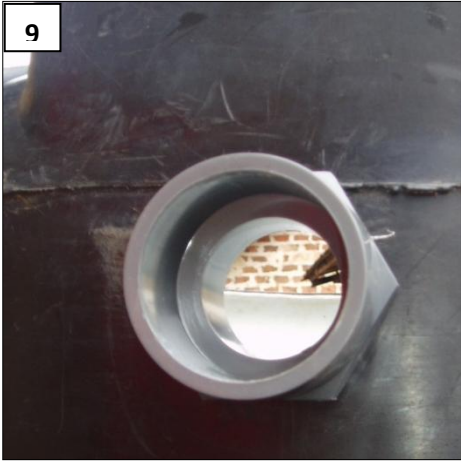
OUTLET



Put OUTLET pieces together like this and fit onto the DIGESTER tank



For all threaded fittings, apply white thread tape to improve the seal



Apply EPOXY RESIN around ALL joints touching the tanks to make water/gas tight seals



INLET

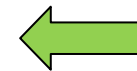


The pipe must extend to the centre of inside of the DIGESTER tank



75mm fittings for the INLET/FEEDPIPE



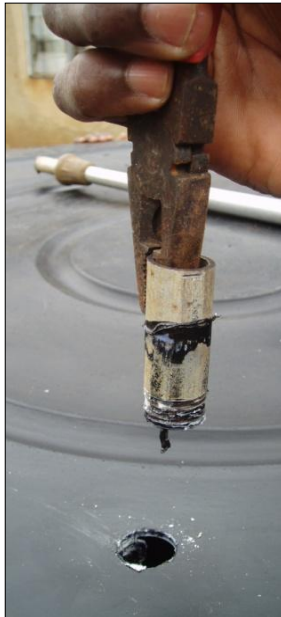




Insert FEED PIPE 1.2 m long into TEE

Gas fittings

Make 1/2" (12.5mm) hole in the TOP of the gas holder tank. The hole should be near the EDGE of the tank



12.5 mm Gas Fittings



Fit the male adapter to the inside of gas holder tank



Filling the tank/starting up the system



Place clean bricks in the bottom of the DIGESTER tank to support the GAS HOLDER tank and the INLET PIPE



Fill the DIGESTER tank according to the START UP instructions



After filling the DIGESTER tank, place the GAS HOLDER tank inside the DIGESTER



When gas has collected in the GAS HOLDER tank, attach the GAS HOSE to the TAP and attach to the GAS STOVE in the kitchen. Use 1/2" HOSE CLIPS to secure the hose at both ends

