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

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

2. Cut the top off the 1500l DIGESTER tank like this.
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
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.
75mm fittings for the INLET/FEEDPIPE

The pipe must extend to the centre of inside of the DIGESTER tank.
Insert FEED PIPE 1.2 m long into TEE
Make ½” (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 ½” HOSE CLIPS to secure the hose at both ends.