

What is Omni Processor?

- Omni Processor (OP) is a brand name for “Online Sludge Treatment system”. It is a decentralized sludge treatment plant that quickly reduces the sludge volume to 97% by weight just in 6-8 hrs. upon its arrival at the Fecal Sludge Treatment Plant (FSTP).
- Ankur Scientific Energy Technologies Pvt Ltd is a world leader in Gasifier technology having presence in more than 47 countries. The company is a commercial licensee of the Bill & Melinda Gates Foundation’s patented Omni Processor technology.

Benefits of Omni Processor

- Online treatment of faecal sludge or septage
- Energy Neutral system
- Water Positive system
- Low foot print
- Modular and Scalable in future
- Automatic Operation
- All air emissions as per European guideline or as per country specific guideline
- Can be integrated with Solid Waste Gasification so as to treat liquid and solid waste at common facility

How Omni Processor works?

Step 1

Septage is emptied in Sludge receiving tank A. After agitation delivered to Volute screw press C.

Step 2

Water & solid gets separated in volute press C. Water enters to MBBR plant D and stored in Tank E

Step 3

Solid cake from C enters dryer G. From dryer G enters boiler Silo F. High pressure steam drives turbine H. Low pressure delivered back to dryer G

Step 4: Water vapour from dryer enters condenser J and liquid treated to L for distilled water production

