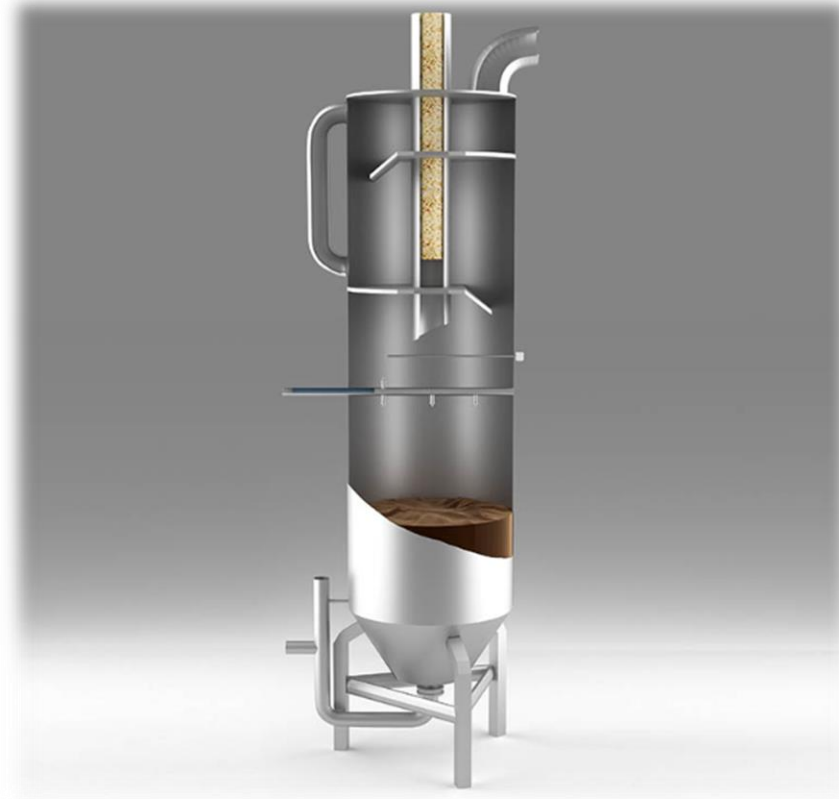




FTD - Foam Trap Device



- ▶ Ecomembrane's **FOAM TRAP DEVICE (FTD)** is designed to detect and signal the presence of foam inside the digester before it causes clogging of downstream pipelines and safety valves.

- ▶ FTD intercepts the foam coming out the digester:
  - It signals foam presence by means of its specific sensor connected to a dedicated control panel.
  - It entraps the foam in its interior cylinder preventing it to flow into downstream pipes
  - Once the foam is detected by a special sensor there is a sprinkler water system inside that washes the foam and It causes foam liquefaction and accumulation inside its lower reservoir
  - Once the foam flows and fill the bottom reservoir a syphon free system permits the elimination of liquefied mass through a suitable drain pipe
- ▶ FTD's intervention allows you to have time to take the appropriate corrective action against foam generation without the risk of having the gas line filled with foam or even worst case of explosion of the digester roof.
- ▶ To optimize its effectiveness, FTD has to be installed on the gas line between the digester and the CHP or end user gas consumption line.
- ▶ Due to its conformation, FTD does not work as a safety valve and allows free flow of biogas without causing significant pressure load losses.

