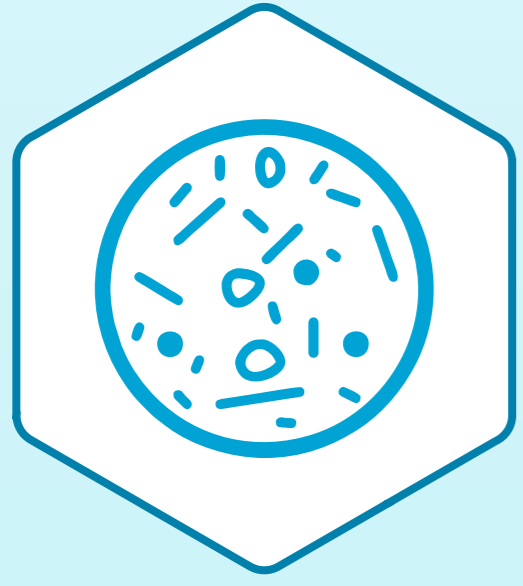


# Anaerobic MBR

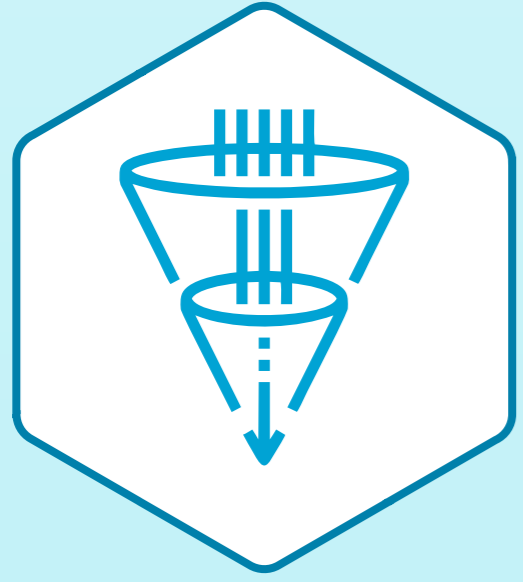
The anaerobic membrane bioreactor (MBR) from A.T.E. HUBER Envirotech (AHET) is a single stage treatment unit designed for low strength (COD < 2000 mg/l) wastewaters.



It is a suspended growth process in a continuous stirred-tank anaerobic reactor



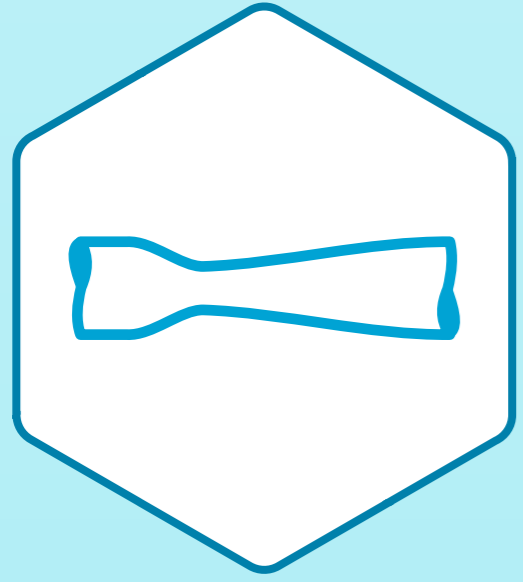
Anaerobic bacteria decompose organic matter (BOD and COD) to achieve up to 95% degradation



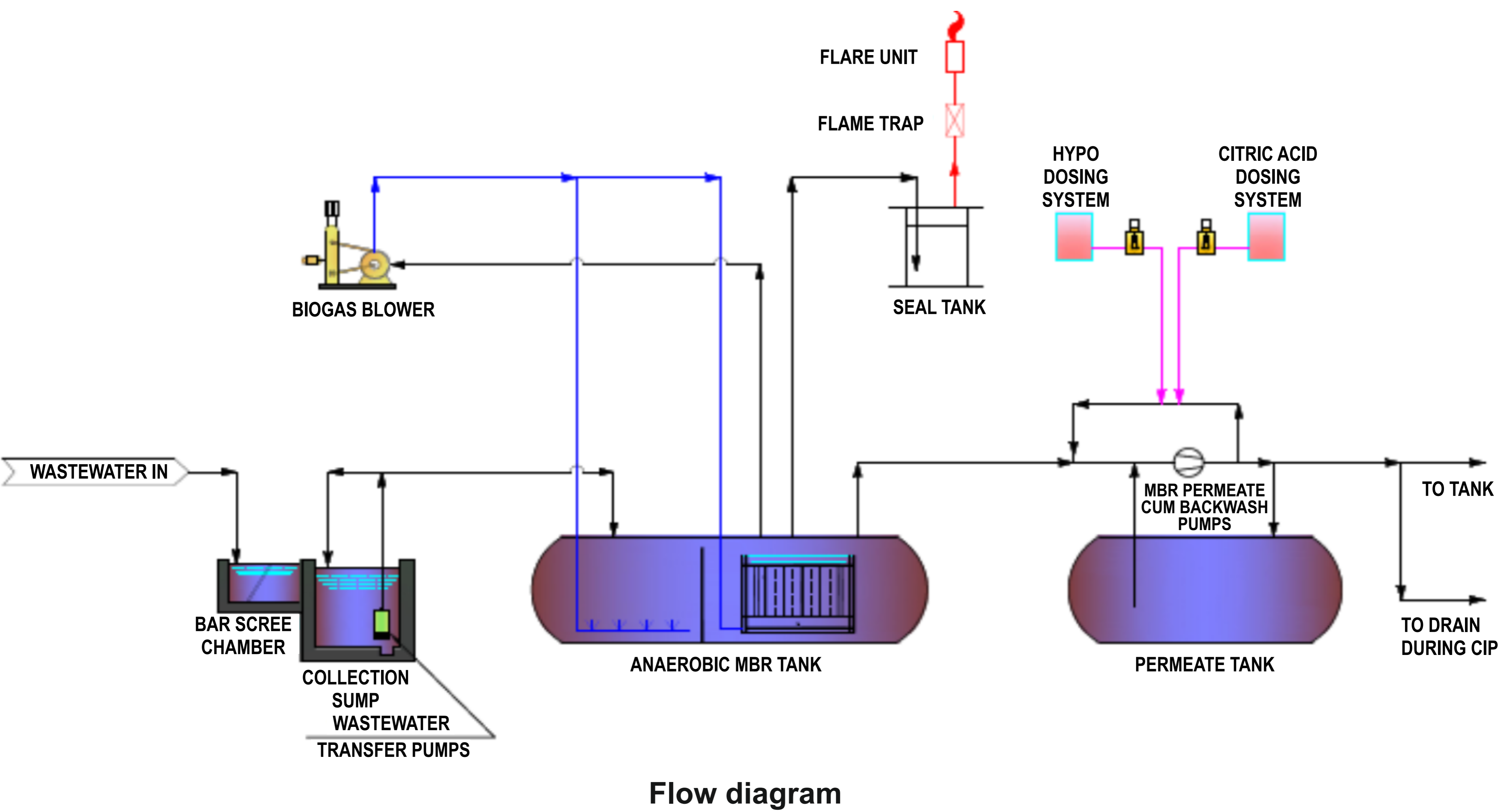
Submerged ultrafiltration membranes are used to separate MLSS (mixed liquor suspended solids) and recycle it back to anaerobic digester



For small reactors (below 50 m<sup>3</sup>), biogas generated is used for mixing



For large reactors (over 50 m<sup>3</sup>), venturi jets are used for mixing



## Features and benefits:

- 1 **25% less space**
- 2 **30% less power consumption**
- 3 **90% less sludge generation**
- 4 **Energy-rich biogas – a useful by-product generated from COD reduction**
- 5 **Produces excellent treated water quality**