



**SALVATORE
ROBUSCHI
POMPE PARMA**

Digester Recirculation

RC - Ecology and Environment

Anaerobic Digester

Anaerobic digestion is the process by which organic matter such as animal or food waste is broken down to produce biogas and bio-fertilizer. This process happens in the absence of oxygen in a sealed, oxygen-free tank called anaerobic digester



Application : Digester Recirculation

PUMP: RCB 125-31E 4C55 M181 1
PERFORMANCE: Flow 250m³/h – head 24 m
LIQUID: chicken sillage
Pumps are used for liquid recirculation inside the digester in a biogas plant.
The liquid contains high concentrations of solids that can be handled only using pumps with vortex impeller.
The pump provided to the customer can work with viscosity up to 500cP.

RC SERIES

Impeller type: **vortex**.
Discharge sizes: **from DN 32 to DN 250**.
Maximum working pressure: **10 bar**
Flow rate: **up to 800 m³ /hr**.
Differential head: **up to 60 m**.
Large free passage clearance up to 150 mm due to the completely recessed impeller.
Heavy duty shaft and bearings.

