



**SALVATORE
ROBUSCHI
POMPE PARMA**

Digester Recirculation

RG - 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: RGB 50 20AR 2C11 L600 3
PERFORMANCE: Flow 20m³/h – head 59 m
LIQUID: grape waste stillage

Pumps are used for liquid recirculation inside the digester in a biogas plant in a factory that produce wine and highly alcoholic products. The liquid contains 6-8% of fine particles that can be handled using pumps with semi-open impeller.

RG SERIES

Centrifugal pumps built according to ISO 2858/ISO 5199 norms.
Impeller type: **semi-open with wear plate and external adjustment.**
Discharge sizes: **from DN 32 to DN 125.**
Maximum working pressure: **16 bar**
Flow rate: **up to 300 m³ /hr.**
Differential head: **up to 95 m.**
High hydraulic efficiencies and low NPSH value (investment casting impellers).

