



Waste Water treatment

RC - Ecology and Environment

Waste Water Treatment

Conventional waste water treatment consists of a combination of physical, chemical, biological processes and operations to remove solids, organic matter and, sometimes, nutrients from waste water. General terms used to describe different degrees of treatment to increase the treatment level, are preliminary, primary, secondary, and tertiary and/or advanced waste water treatment



Application : Waste water treatment

PUMP: RCB 125 31E C181 1
PERFORMANCE: Flow 270 m³/h – head 24 m
LIQUID: waste water with unscreened solids up to 85 mm

The customer developed unique system for the treatment of unsorted municipal solid waste. This system utilizes unique biological sub-systems to reduce the initial weight of the waste by more than 90 % while producing a valuable and clean energy source in the form of bio-gas and Fertilizer for agriculture. Metals, plastics and glass (see picture) are automatically recovered from the waste before the biological treatment and sent for recycling. Salvatore Robuschi's RC and RB series pumps are used in the above facility

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.

