



**SALVATORE
ROBUSCHI
POMPE PARMA**

Multiple Effect Evaporator Plant

RD - Ecology and Environment

Vacuum Evaporation

Vacuum evaporation plants are used for the concentration of thermolabile solutions or for the treatment of waste water produced by industries during the different stages of the process.



Application : Multiple Effect Evaporator Plant

PUMP: RDL 80 25AR 300 C226 9
PERFORMANCE: Flow 100m³/h – head 17 m – NPSH 0,9 m
LIQUID: acid waste water

Circulation pumps for high corrosive boiling media containing chlorides up to 50 g/Liter in a three step vacuum evaporation plant for electro plating waste waters. The use of the vacuum evaporation technique allows to reduce not only the energy consumption, but also the NPSHa available for the pump. Pumps are in duplex SAF 2507 RDL pumps, thanks to special design of impeller, is able to work with very low NPSHa values. Pumps are equipped with double mechanical seal designed to work in high vacuum condition

RD SERIES

Centrifugal pumps built according to ISO 2858/ISO 5199 norms.
Impeller type: **closed**.
Discharge sizes: **from DN 32 to DN 125**.
Maximum working pressure: **16 bar**.
Flow rate: **up to 500 m³ /hr**.
Differential head: **up to 140 m**.
High hydraulic efficiencies and low NPSH value (investment casting impellers).

