



**SALVATORE
ROBUSCHI
POMPE PARMA**

Multiple Effect Evaporator Plant

HG - 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: HGM 32 16A 2B30 E122V 3
PERFORMANCE: Flow 10m³/h – head 31 m – NPSH 0,9 m
LIQUID: acid waste water

The pump is used to extract concentrated liquid from the concentration tank where involatile elements are separated from a solution, obtaining deionized water and a "concentrate"

The use of the vacuum evaporation technique allows to reduce not only the energy consumption but also the NPSHa available for the pump. HG pumps, thanks to special design of impeller, are able to work with very low NPSHa values. Pumps are equipped with mechanical seal designed to work in high vacuum condition



HG SERIES

Impeller type: semi-open with wear plate.
Discharge sizes: from DN 32 to DN 80.
Maximum working pressure: up to 8 bar - according to the pump size.
Flow rate: up to 200 m³ /hr.
Differential head: up to 60 m.
Same interaxis of ISO 5199 chemical norm pumps: easy interchangeability.

