

Sump Pit Drain Pump



**SALVATORE
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RCC - Chemical Industry

Chemical Industry

A chemical plant is an industrial process plant that manufactures chemicals, usually on a large scale. A chemical plant commonly has large vessels or sections called units or lines that are interconnected by piping which can carry streams of material. Such material streams can include fluids (gas or liquid carried in piping), sometimes solids or mixtures such as slurries.



Application : Sump Pit Drain Pump

PUMP: RCC 50 25AR 4C11 135 3
PERFORMANCE: Flow 60 m³/h – head 20 m
LIQUID: slightly acid waste water

Pumps are usually installed inside sumps that are used to collect liquid overflow or chemical waste from industrial processes. The feature of these sumps is the variability of the liquid level contained in it: this level depends on the process and must be run by level probes that stop the pumps when the level is too low and put them in motion when the level is high. These numerous starts-stops can cause damages to the motors and pumps. The cantilever pumps are able to work dry and do not need to be stopped when the level is too low. They can work continuously without having to be run by level probes.

A key feature of cantilever pump is that there are no bearings or bushings submerged therefore the pump can handle liquid with solids and operate dry.



RCC SERIES

- Impeller type: **vortex**.
Flow rate: **up to 500 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.
- ✓ None of the bearings are in the liquid and there is no shaft seal or bearing bush;
 - ✓ Pumps can run dry without risk of damage;
 - ✓ Reliable operation and reduced costs.

