


# Draining Ponds and Reservoirs

Rojan Sanat Alborz is able to discharge and clean of any type of reservoir, light and heavy sludge hydrocarbon ponds, waste and oil/water separation pond in petrochemical and refinery units with Wet & Dry vacuum units and ADR vacuum (Flammable materials).

Sludge in petrochemical and refinery units are generally as follows:

1. Non-explosive sludge
2. Explosive sludge

First type is collectable with Wet & Dry vacuum units but for second type, sludge Explosion Proof  unit is necessary or should have ADR certificate.

There are some reasons that make vacuum units distinguished from other discharge methods include less needed of human resources, high vacuum rate and approved HSE.

Our equipment is able to collect waste water, slush and viscose sludge and also transfer them safely.



### Technical specification of vacuum units model RSA-HFG:

- Suction Air Flow: 11000-6000 m<sup>3</sup>/h
- Load capacity: 24000-16000 lit
- Engine: 4 or 6 cylinder diesel and with power between 300-180 kw/automatic gearbox
- Suction and collecting of viscose sludge with 30000 lit/h speed
- ADR Kit: Explosion Valve, Safety Valve
- Maximum Pressure: 1 bar
- Tank material: Stainless Steel (SS316L)
- Tank Capacity: 23-10 m<sup>3</sup>
- Vacuum: 96 % bar

### References:

- Cleaning of Cooling Tower in Abadan petrochemical
- HD pit draining in Maroon Petrochemical
- Cleaning & Dredging canals of South Pars third refinery
- Cleaning & draining of Clarifire for Hormozgan Steel Co
- Draining ponds and reservoirs of Hormozgan Steel Co
- Draining ponds leaching of Sarcheshmeh Copper Complex
- Draining ponds of Oily Drain pit in Abadan Petrochemical
- Draining of waste ponds in Tondgoyan petrochemical
- Draining ponds of Dewatering oil and Khatoon Abad's canals
- Cleaning & draining of Clarifire for Sarcheshmeh Copper Complex
- Cleaning & draining of Clarifire for Khozestan Steel Co
- Draining of Scale pit in Khatoon Abad Copper Complex

### Equipment list of RSA:

- 2 industrial road sweepers
- 3 vacuum units with the air flow of 9000 m<sup>3</sup>/hr
- 3 vacuum unit units with the air flow of 5000 m<sup>3</sup>/hr
- 3 container of tools & equipment for maintenance projects
- 4 cars & 5 vans & 9 semitrailers
- 4 vacuum unit units with the air flow of 8000 m<sup>3</sup>/hr
- 12 trucks (different types)
- 5 equipped workshops in Tehran, Ahwaz, Asalouyeh, Neyshbor and Rafsanjan