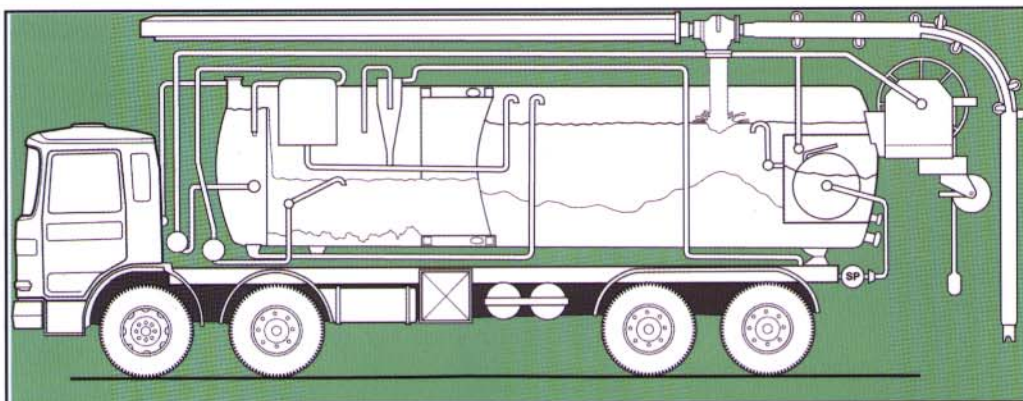


IMP

LIMITED

Industrial & Municipal
Projects

Technical Specifications



IMP SLUDGE TREATMENT AND FILTRATION SYSTEM

IMP provides a mobile sludge dewatering service which quickly returns systems to maximum efficiency. Operating in one continuous cycle, our on-site, multi-function sludge treatment and filtration system is recognised as being fast, reliable and a genuine cost-cutter. It can reduce the volume of material to be taken off-site by a factor of 95 per cent. Developed specially by IMP, the system's many features include:

- A 150mm diameter suction hose extending horizontally by 40 metres and vertically by 9 metres to remove effluent intake from the interceptor. Treated water is discharged to the interceptor outlet through a 38mm diameter hose.
- The sludge and effluent holding tank has a capacity of 10m³. The secondary treatment tank has a capacity of 3m³. The tertiary treatment tank's capacity is 2m³.
- A moveable piston for pressing and dewatering sludge for later removal.
- A floating intake hose to feed the rotary screen filter from a sealed holding chamber. After filtration, a spray bar washes the rotary screen filter and the primarily treated water is drained off into a second chamber before transfer by mono pump to the first hydro-cyclone for secondary treatment.
- A floating arm transfers the secondary treated water to a centrifugal pump and into a bank of hydro-cyclones for tertiary treatment of the effluent.
- A high pressure discharge pump removes it to the final treatment filters. A fresh water supply is carried for flushing the system clean and a final treatment filter box and hose reel are provided.