

IMP

LIMITED

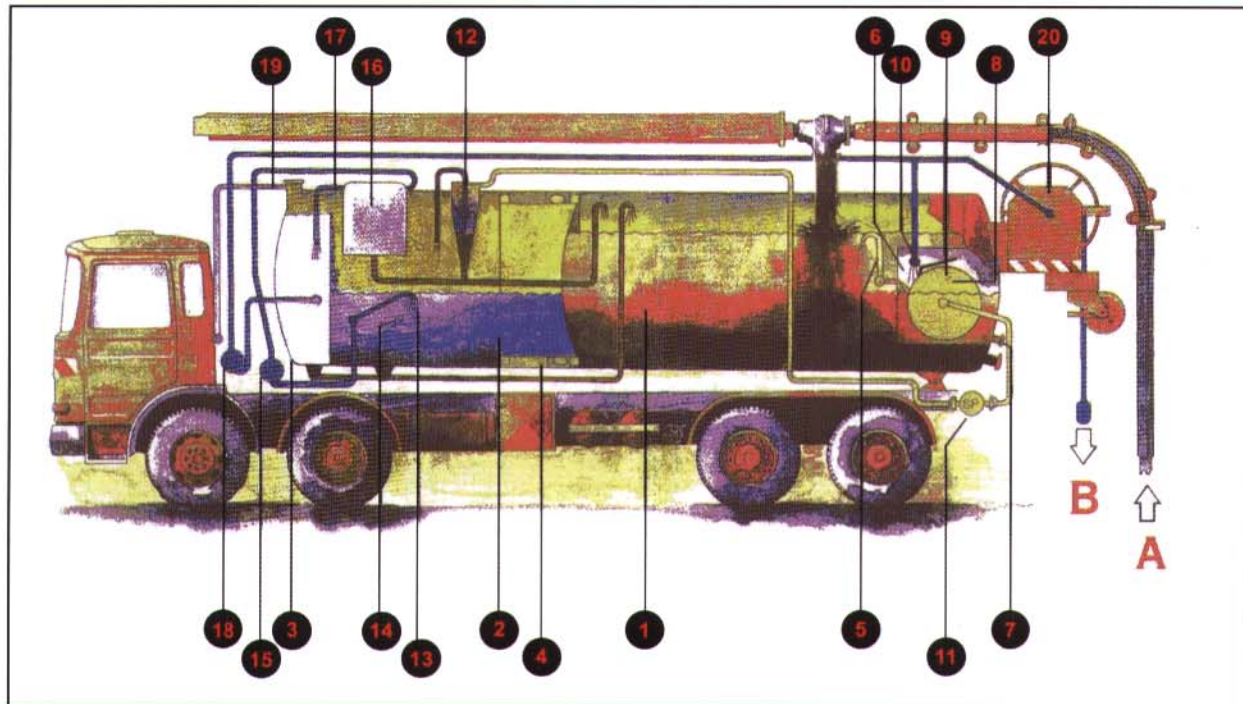
Industrial & Municipal
Projects

Technical Specifications



A: Effluent intake via 150mm suction hose, 40m long, 9m vertically

B: Treated water discharged to interceptor outlet through 38mm hose



IMP SLUDGE TREATMENT AND FILTRATION SYSTEM

- 1 Sludge and effluent holding tank (capacity 10m³).
- 2 Secondary treatment tank (capacity 3m³).
- 3 Tertiary treatment tank (capacity 2m³).
- 4 Moveable piston for pressing and dewatering sludge.
- 5 Floating intake hose feeding rotary screen filter.
- 6 The sealed chamber holds water prior to it entering the rotary screen filter.
- 7 Drain-off valve from the rotary screen filter.
- 8 Rotary screen filter.
- 9 Primarily treated water.
- 10 Spray bar for washing the rotary screen filter.
- 11 Mono pump that transfers primarily treated water to the first hydro-cyclone.
- 12 Secondary treatment of the effluent via this hydro-cyclone.
- 13 Floating arm to transfer secondary treated water to a centrifugal pump and into the bank of hydro-cyclones.
- 14 Treated effluent in the secondary stage.
- 15 Centrifugal pump to handle the flow from No. 13.
- 16 Bank of hydro-cyclones for tertiary treatment of effluent.
- 17 Outlet from bank of hydro-cyclones.
- 18 High pressure discharge pump to final treatment filters.
- 19 Fresh water supply for flushing the system clean.
- 20 Final treatment filter box and hose reel.

GLASGOW: 1 Westburn Street, Carntyne, Glasgow, G32 6AT. Tel: 0141 763 1234. Fax: 0141 763 0333

MANCHESTER: Northbank Ind. Estate., Sorby Road, Manchester M44 5BL. Tel: 0161 776 0000. Fax: 0161 775 7247