

ENSOL™

TRUCK MOUNTED HIGH FLOW
VACUUM LOADER
(SUPER SUCKER)



ENSOL MULTICLEAN EQUIPMENTS PRIVATE LTD.

ENSOL TRUCK MOUNTED HIGH FLOW VACUUM LOADER (SUPER SUCKER)

The Machine is Self-Contained and Designed for Suctioning Free Flowing Wet Material (Silt/ Sludge/ Slurry) in conjunction with Truck Mounted Cyclonic Silt Containers and Cleaning by High Pressure Water Jet.

The Machine has varied Vacuum suctioning and cleaning applications like:

- Suction, Transportation and Disposal of Wet Free Flowing Affluent, Sludge/Slurry and other wet waste material.
- Very Effective for De-Silting & Cleaning Large Dia. Sewer Network in cities.
- Cleaning Affluent / Storm Water Drain Network, Large Settling Tanks etc. in the Industrial Plant and Sewer Line Network of the Plant area and its Township.

The High Flow Suction and High Pressure Water Jetting Unit comprises of the following:

Truck chassis: The Equipment is mounted on Truck Chassis of 25 Ton GVW (Min.).

Drive System: The Vacuum Pump is driven by an Auxiliary Diesel Engine. The High Pressure Jetting Pump gets power from Truck engine and is driven through the specially designed Power Take - Off Unit. The Engaging and Disengaging of the PTO is controlled from Driver's Cabin.

Vacuum Pump / Blower: The Vacuum Pump System incorporates an Air Cooled Positive displacement Vacuum Pump developing an air handling capacity of minimum 4500 Cum. /Hr. Vacuum pump is driven by specially designed Drive arrangement powered by Auxiliary Diesel Engine . The system is mounted on a frame with vibration dampeners. The machine chamber body is with sound proofing cover and with facility for locking arrangements.

High Pressure Jetting Pump: The High Pressure Jetting Pump is a Positive Displacement Triplex Reciprocating Plunger Pump. The Pump with suitable rated discharge capacity and pressure is provided as per Design and Operational Requirement. The pump is provided with inlet filter and all safety features.

Jetting Hose and Hose Reel Drum: The High Pressure Jetting Hose of suitable Diameter & Length to withstand maximum working pressure is mounted on a Hose Reel Drum located on the rear of the equipment and is driven through a hydraulic motor for winding and unwinding.

High Pressure Water Jetting Nozzles: Set of High Efficiency Water Jetting nozzles are provided.

TECHNICAL DATA

MODEL	ENSOL HFVJT
Auxiliary Engine	Water Cooled Diesel Engine of 150 HP. or More
Vacuum Pump	Roots Type Air Cooled Positive displacement Vacuum Pump
Free Air Flow	4500 Cum/Hr. or More
Suction Hose	100 / 125 / 150 mm.
High Pressure Pump	Triplex Plunger Pump for High Pressure water Jetting
Flow & Pressure	260 Lpm - 140 Bar. or More
Water Tank	6000 Ltrs. for High Pressure water Jetting
Water Jetting Hose	25 mm. X 120 Mtrs.
Truck chassis	6 X 2
G.V.W	Min. 25000 Kgs.

TRUCK MOUNTED CYCLONIC SLUDGE / SILT CONTAINER (DUMP TANK)

Truck Mounted Silt Container Unit with Cyclones is designed for separation and collection of sludge / slurry (water mixed with silt) being suctioned from trunk sewer lines through Truck Mounted Vacuum Loader Machine.

Truck chassis: The Cyclonic Sludge / Silt Containers is mounted on Truck Chassis of 16 Ton GVW (Min.).

The Cyclonic Container consists of:

Tank and Super Structure: Cylindrical Tank of minimum 10000 Ltrs. Volume, with Dished Ends is provided with Rear Door opening arrangement for Sludge discharge, Suction inlet Valves, Level Indicator Etc

Hydraulic System / Controls: The Hydraulic System includes Hydraulic Pump driven by vehicle PTO, hydraulic tipping cylinder, door opening / closing cylinders, hydraulic tank, oil pipeline and control valve, etc.

Cyclonic Separator: Two sets of Cyclonic Separators are provided to separate the water in the air before the air is conveyed to the Vacuum Loader Machine. The Cyclonic Separators are provided with drain valves to drain the water collected in the separator

TECHNICAL DATA

MODEL	ENSOL SILT CONTAINER
Sludge Tank Volume	10000 Liters. (10 Cum.) or More
Tank & Super Structure Material	Cylindrical Tank - Carbon Steel
Rear Door	Hydraulic Door Opening / Closing with Door Locking Arrangement
Sludge Discharge	Hydraulic Tipping
Truck chassis	4 X 2
G.V.W	Min. 16000 Kgs.



Note: Equipment Tank Volume, Capacity of Vacuum Pump and High Pressure jetting pump etc. can be changed and offered as per clients requirement.

ENSOL MULTICLEAN EQUIPMENTS PRIVATE LTD.

722-724, Element Mall, DCM, Ajmer Road, Jaipur-302021, Rajasthan (India)

Phone: +91-8440049298, +91-8440049293 | E-mail: contact@ensolindia.com | Website: www.ensol.co.in

