



TECHNICAL SPECIFICATIONS

D-Combine Units 12.000 lts, with mobile partition

DESCRIPTION:

Equipment designed for works of high-pressure water jetting and flushing, to be installed upon suitable chassis **Cesspit Emptier Superstructure with Water Jetting Unit** for suction of sewerage and wet material, designed as a two chamber tank as follow.

TANK:

- Volume of body: approx. 14.000 lt.
- Cylindrical designed steel-tank, made of St 37-2 quality steel, thickness 6 mm,
- Tank will be sloped for 5% to make easy discharge
- Reinforcing cylindrical ribs around the body
- Front end made of 5 mm dished steel
- Manhole on fresh water tank
- Mounted on to the truck chassis with auxiliary frame
- Transparent level indicator in both compartment
- There will be rubber sealing between tank and rear tailgate fitted in the tank at sludge section
- Partition wall (between sludge and fresh water) of 6 mm thickness
 - The pneumatically moveable partition wall divides the tank into water- and sludge compartments. The drag piston can be locked from outside via single locking devices in positions inside the tank. This enables the volume of either the water compartment or the sludge compartment to be varied according to operational requirements.
 - Position1: water compartment 3.000 l air volume & sludge compartment 9.000 l air volume
 - Position 2: water compartment 5.000 l air volume & sludge compartment 7.000 l air volume
 - Position 3: water compartment 7.000 l air volume & sludge compartment 5.000 l air volume

TAILGATE:

- hydraulically operated top hinged and full opened tailgate
- opening operation by means of 2 pieces hydraulic cylinders
- dished end made of 6 mm steel,
- bottom equipped with 2 Nos of manual 4" shut-off valve and STROZ quick couplings for hose connection for discharge and suction purpose
- 6 pieces manually operated locking and tightening handles
- acid resistant rubber seal
- valves are equipped with quick couplings and blind caps

VACUUM SYSTEM:

- vacuum pump, mod. Battioni Pagani or equivalent Italian Brand, air cooled , rotary vane type min. capacity of 12000 lt./min free flow capacity , max %93 vacuum and 1 bar max. pressure
- vacuum pump driven by suitable power transmission method 22 KW
- primary shut-off valve on top of vacuum pump according to vacuum pump size
- secondary shut-off with moisture trap baffles according to vacuum pump size
- air filter, silencer and oil trap,
- over-pressure safety valve and vacuum safety valve,
- on/off operation from control panel
- vacuum/exhaust by lever located on vacuum pump



Dmix International

JETTING SYSTEM:

- high pressure pump, UDOR or equivalent Italian Brand- Italy made within capacity of 100 lt./min 150 bar
- driven via suitable power transmission method
- on/off operation from control panel
- with suction filter, pressure safety valve, pressure regulating valve,
- with all fittings, pipes and hoses are to be used as per DIN norms.

POWER AND HYDRAULIC SYSTEM:

- There will be split shaft pto located on truck equipped with necessary flanges , shafts ,pulley&belt mechanisms.
- There will be oil tank equipped with return filter , level indicator , filling tap with breather
- Hydraulic service pump mounted on split shaft pto
- System will equipped with operations valves, flow control valves, pressure regulation valves, speed regulation valves
- all fittings, pipes and hoses are as per DIN norms for all necessary operations
- There will be oil cooler in system

HOSE REEL:

½" Lateral Manual Hose Reel in painted steel

Mounted overhanging on the right rear side of the truck

Manually rotating with hand wheel with spring loaded lock device

Revolving manifold and exclusion gate valve

Complete with **20 m. of 1 / 2"** high pressure hose for working at 200 bar in rubber, with couplings.

No. 01 Spray gun for high pressure washing

1" Rear Hydraulic Hose Reel in metallic paint

Mounted overhanging the rear door of the tank.

Slewing, 180° max rotation angle

Stop button in the different intermediate positions, hydraulically

Hydraulic rotation with motor, pinion and chain properly protected

Flow regulator to optimise the winding/unwinding speed

Manual hose guide

Revolving manifold and exclusion valve

Complete with **80 m. of 1" dia.** high-pressure hose for working at 200 bar in metallic plate hose with couplings

HOSE BOXES:

- No 02 Structures in painted steel, one on each side of the vehicle, with support for intake hoses.
- Water-tight bottom with drainage and ball valve
- Doors in flower-brushed stainless steel
- Hinges and locks with keys

CONTROL BOX :

- There will be two control boxes on system
- Side control box contains functions of vacuum pump on/off ,jetting pump on/off , vacuum meter , emergency Stop , water by-pass on/off
- Jetting control box located in hydraulic hose reel contains functions of pressure manometer, emergency stop, pressure regulator , rpm throttle switch

ACCESSORIES

- 3 Nos of different angle's of standard nozzles
- Mudguards and mudflaps

Dmix International S.p.A.

Viale Enzo Paolo Tiberi n° 8, 06124 PERUGIA (PG)

C.F./P.IVA 03610350542 REA PG301726



Dmix International

- Two hose boxes located sides of truck
- 4" - 3mt. 2 Nos of suction&delivery hoses with couplings
- Steel access ladder to top of tank
- 2 nos Rotating beacon and working light in suitable places

PAINTING

- After sandblasting and chemical cleaning
- Internal paint with coal tar tank epoxy
- External paint after primer painting within one colour polyurethane enamel chosen by customer's request
RAL colour

THE ABOVE MENTIONED TECHNICAL SPECIFICATIONS CAN BE MODIFIED AS PER CUSTOMER EXIGENCE

Dmix International S.p.A.

Viale Enzo Paolo Tiberi n° 8, 06124 PERUGIA (PG)

C.F./P.IVA 03610350542 REA PG301726