

THOMAS'S

VEHICLE SOLUTIONS

Specialist Services

RIGID

VACUUM TANK

- 3,000-gallon non-hazardous stainless steel tanker complete with high capacity 460 CFM vacuum pump for quicker loading times.
- Efficient loading and discharge from 4" and 6" inlet/outlet ports.
- Maximum hose storage carrying racks.
- Long and short-term hire rates available.



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Thomas's Business Centre Atlas Trading Estate
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Technical Specification Vacuum Tanker

1. CAPACITY

Capacity 3,000 Gallons

Ullage None

GVW 26 tonnes

2. CHASSIS

Type Please consult our rental department for preferred chassis cab specification.

3. BARREL

Full material description

304 grade stainless steel

Thickness 4.0mm

Barrel Type Straight Cylindrical non-tipping

Internal finish Sheet As manufactured

Weld As Welded

External finish Painted to your spec

Weld Painted to your spec

Slope 2° to rear

Product Non - Hazardous sludge

Product SG 1.00

4. BAFFLES

Full material description

304 grade stainless steel

Thickness 4mm

No of Baffles 1No

Baffle features Keyhole walk through

Cut outs Top vent cut out

Overturn Drain Holes

Yes 2 positioned @ 3 and 9 O'clock

Cleaning Rings None

5. DISHED ENDS

Full material description

304 grade stainless steel

Thickness 5mm

Rear door Manual opening rear door c/w
6No spun wheel clamps

6. MANWAYS

Full material description 316 Stainless Steel

Neckring Profiled 316 Stainless Steel

No. Of Manlids 1 No @ 500mm diameter

Location On top of tank @ front.

No of fasteners 4 fastening points c/w
safety swing bolt

7. TANK SUPPORTS

Full material description

304 grade stainless steel

Mountings 4No load bearing feet

8. PRESSURE / VACUUM RELIEF

No. of Relief valves 2 No - 1No on top of tank
and 1No in-line. Both piped to ground level.

Vacuum relief valves 1No in line

Bursting disc Graphite bursting disc
supplied and fitted

9. HOSE STORAGE

Full material description

304 grade Stainless Steel

Type Open hose tray c/w drain
valves and PVC tube

Size of box At long as possible

Location N/S and O/S

Tool box 1No GRP tool box fitted c/w
reinforced floor

10. EXTERNAL OUTLET VALVE

Full material description Cast iron body

No of Valves 1No in bottom of rear dish

Model 6" knife valve

Method of operation

Pneumatic from rear work station

Coupling 6" Bauer female

Blanking cap 6" Bauer drip cap and chain

Drain 25mm drain vale fitted

11. EXTERNAL INLET VALVE

Full material description Cast iron body

No of Valves

1No through rear dish c/w fill pipe

Make Saunders

Model 4" ball valve

Method of operation Manual

Coupling 4" Bauer female

Blanking cap 4" Bauer drip cap and chain

Drain 25mm drain vale fitted

12. MUDGUARDS

Black PVC c/w anti-spray flaps

13. LIGHTING

Rear lamps Chassis rear light clusters

Side markers

Rubbolite model 620 LED as required

High level lights None

Beacon 1No @ rear o/s switched from cab

Working lamps 4No Bulb type lamps. 2No

high level @ rear, 1No @ sight glass & 1No

@ blower. All work lights switched from

inside cab c/w speed switch.

Control panel Switched light inside
control panel

14. PUMP/VACUUM EXHAUSTER

Make Moro

Model PM100 air cooled

Output 360 cfm

Location Mounted behind sideguards
at near side on robust frame

Drive Hydraulically driven via gearbox
PTO and cool pack

Lubrication Close coupled oil tank

Protection Grit strainer

Operation Manual pressure/vacuum
selection from side

15. SILENCER

Location Behind side guards

Make Moro

Features Silencer, Oil trap
and perfume applicator

Outlet Terminate in 3" Bauer
for vapour recovery

16. TOP CUT OUT

Full material description

Crossland design Stainless steel

Location On top of tank at front

Cut out Size 3"

Double ball Yes utilising 6" s/steel
and 4"rubber ball

Travelling valve 2.5" pneumatic Knife valve

Control

Opens automatically when PTO engaged

17. SECONDARY CUT OUT TANK

Full material description

Crossland design Stainless steel

Capacity 80 Litres

Location N/S behind side guards

Manual Drain Yes 1.5" ball valve

Cut out Yes **Cut out Size** 3"

Double ball

Yes 6" stainless steel and 4"plastic ball

Notes

3" sight bubble & 4" RJT inspection hatch

18. VENT

Material Stainless Steel knife cast body

No of valves 1No

Size 2.5" pneumatic Knife valve

Control From rear work station

19. GAUGES

Type 2No - 4" Combination stainless
pressure vacuum gauges. 1No for line
pressure / 1No for tank pressure, both
mounted at rear workstation

20. SIGHT GLASS

Description Full length c/w protection

Location At n/s front of tank

Material 2.5" acrylic sight tube

Isolating valves 1No ball valve top and bottom
c/w bottom valve to facilitate cleaning

21. SIDEGUARDS

2 rail aluminium side guards

22. LADDER

Full material description

304 grade stainless steel

Type Side access designed to BS3441

Location Near side

23. CERTIFICATION

Approval authority HSB IQ

Design code PED & PD5500

24. OPERATING PRESSURES

Max working pressure 1 bar

Max working vacuum 1 bar / full vacuum

Test pressure/vacuum 1.5 bar / full vacuum

Notes

3No GRP Haz-chem boards fitted

PTO has handbrake interlock

All fasteners stainless steel

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