

# ZENITH

## Vacuum Tanker

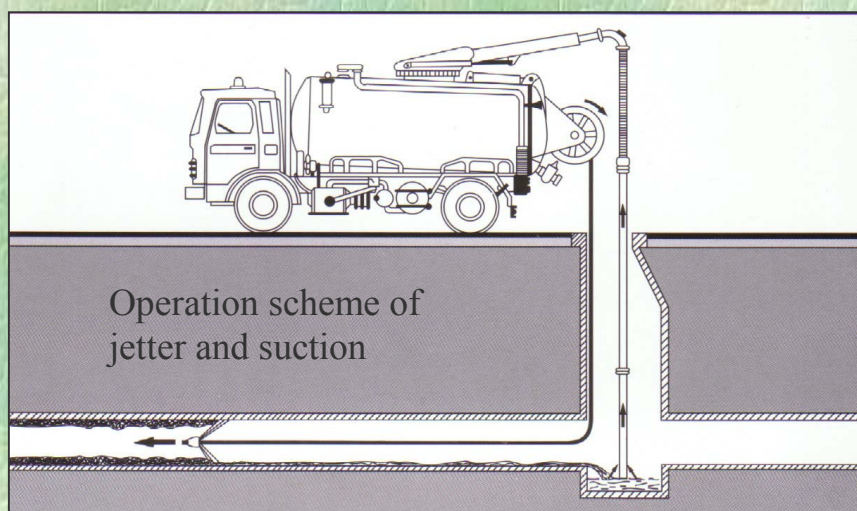
*Tailor-Made to your needs*



### Tank Capacity :

Water compartment : 500 to 5,000 ltrs

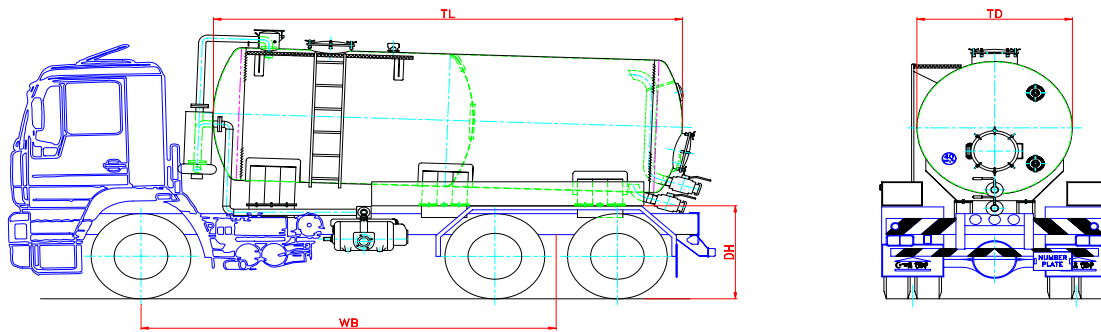
Sludge compartment : 3,000 to 12,000 ltrs



Zenith Engineering Pte Ltd No 34, Joo Koon Circle , Jurong , Singapore 629060  
Tel : (65) 6861 1100 Fax : (65) 6862 1948 info@ze.com.sg www.ze.com.sg

IG Zenith Sdh Bhd (480123-H) Lot 6975, Batu 12, Jalan Balakong, 43300 Balakong, Selangor, Malaysia  
Tel: (60-3) 8962 1060/61 Fax: (60-3) 8962 1062

## VACUUM TANKER (GULLY EMPTIER) - General Specification



Above drawing shows a 6X4 chassis for illustration purpose, a 4X2 chassis is applicable for GVW 20MT and below .

Model		VCT20	VCT35	VCT50	VCT60	VCT70	VCT80	VCT100	VCT120	VCT135	VCT150
Capacity (Tank Volume)	Ltr	2,000	3,500	5,000	6,000	7,000	7,800	10,000	12,000	13,500	15,000
Recommended GVW	kg	7,000	8,000	11,500	14,000	15,000	16,000	19,000	24,000	26,000	28,000
Recommended WheelBase	WB mm	3,400	3,500	4,100	4,200	4,250	4,300	4,300	4,500	4,650	4,800
Tank Overall length (approx)	TL mm	3,300	3,400	3,500	3,650	3,900	4,200	4,900	5,100	5,500	5,900
Tank Diameter (approx)	TD mm	1,200	1,200	1,400	1,450	1,550	1,600	1,650	1,800	1,850	1,850
Deck Height (approx)	DH mm	1,100	1,100	1,200	1,250	1,250	1,300	1,380	1,420	1,440	1,450
No. of compartments		single	single	single	single	single	single	single	single	single	single
Shell Thickness	mm	5.0	5.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Dishhead Thickness	mm	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
<b>PUMP (Rotary Sliding vane : PTO - Pulley driven)</b>											
Free Air Flow	m3/min	9.0	9.0	10.0	10.0	10.0	14.0	15.0	15.0	15.0	15.0
Cooling		Air	Air	Air	Air	Air	Air	Water	Water	Water	Water
Maximum vacuum	%	92.0	92.0	92.0	92.0	92.0	92.0	95.0	95.0	95.0	95.0
Noise level (60% vacuum at 7m)	dB	78.0	78.0	78.0	78.0	78.0	78.0	75.0	75.0	75.0	75.0
Pump weight (approx)	kg	175.0	175.0	175.0	175.0	175.0	240.0	350.0	350.0	350.0	350.0

Tolerance for above dimensions & specifications : +/- 3 %

### TANK

Design Code & work pressure : ASME Section VIII Division I with 2.0 bar working pressure  
 Tank type & Material : Cylindrical section, torispherical ends made of BS4360 or SS41 / ASTM A36 or equivalent  
 Internal & external Coating : Internally coal tar epoxy resin or equivalent, externally epoxy paint to customer's colour.  
 Feature : Longitudinal welding performed at top of tank only

Standard Features : Single manhole , primary and secondary overflow valve  
 : Sludge trap tank for overflowed liquid  
 : pressure line filter, 4-way change-over valve , discharge silencer  
 : Vacuum & pressure relief valve  
 : 3" ball valve for suction and 4" ball or gate valve for discharge.  
 : 3 lengths of 4" dia. high pressure suction hose (3 to 6 meter length, *client to confirm*)  
 : Sight glass at rear door & Access ladder  
 : 2 numbers of steel fabricated hose box mounted one on each side of the tank

Optional Features : Dual compartments for water and sludge  
 (payload will be reduced with additional features)  
 : Hydraulic tank tilting to about 40 deg & rear door opening  
 : 330 deg swivel suction boom & High pressure water jetting  
 : 4" suction and 6" discharge valves in-lieu of the above standard  
 : 3rd Party certification and testing to 4 bar pressure

Note : a) Specifications based on PTO and belt driven vacuum pump, in case of constraint in mounting space, a more costly hydraulic drive would be used instead.  
 b) For water tank smaller than 1,000 ltr , it is recommended to use separate fabricated mild-steel tank c/w engine driven water-pump and pressure-lance.

Note : Above specifications are subject to change without prior notice  
 All data for unladen vehicle excluding all optional features .