



**KAISER
WHALE**

ADR VACUUM | WHALE 2.0



THE DIVERSITY SPECIALIST

For hazardous liquid waste handling



Reliability, Service, Value ... for Life

For customers wanting diversity, then it doesn't get any better than VACUUMWhale. Purpose - designed, every VACUUMWhale is different. They can be manufactured to any capacity, limited only by axle-loading regulations, on all types of rigid or semi-trailer chassis, tipping or non-tipping, and frameless semi-trailers, on sub-frames, demountable frames, frameless and with any required form of special mounting. They can be manufactured from stainless and carbon steel, supplied with or without jetting and capacities matched to GVW across the range. Customers are also assured that they are built to the highest relevant standards, including the requirements of ADR/hazardous and non-hazardous products.



ADR VACUUM | WHALE 2.0

P.E.D. REGULATIONS

*The Pressure Equipment Directive 97/23/EC was adopted by the European commission in 1997. It's aim was to improve the safety of all pressurised equipment. It was adopted into UK law as the **Pressure Equipment Regulations SI 1999 No. 2001**. Whale Tankers implement this legislation and all vehicles fully comply. Customers need to be aware of it as compliance is a legal requirement. Failure to do so is a criminal offence resulting in up to 3 months imprisonment!!*

Our vehicles have the P.E.D approval number on the tanker identification plate and a certificate is supplied with every vehicle.

ADR REGULATIONS

*The carriage of hazardous waste within Europe are covered by **ADR regulations** which were mandatory in the UK from 2002 and replaced domestic legislation.*

*Under **ADR regulations**, which are related to the carriage of products defined as dangerous goods, a vacuum tanker must be designed accordingly to the material it is intended to carry.*

SPECIALIST LININGS

For difficult to handle loads, often associated with special materials for tank fittings. Further information is available upon request.



TANK

Design is optimised with the benefit of over 45 years experience to give the lightest weight with the longest life. Compliance with all national and international standards as required.

CONTROL SYSTEMS

Control systems are designed for maximum reliability, minimum operator effort with the most ergonomic positioning. Interlocks are provided where appropriate to prevent incorrect or unsafe operation.

STORAGE

Hose storage is available using open racks, open trays or enclosed boxes of various designs in varying lengths to suit operator requirements. Storage for other equipment such as workwear, wet weather gear tools etc. is available as required.

Bodies Range to suit Chassis 7.5 tonnes to 32 tonnes

Vacuum Circuit Range from

Mistral 400 (245cfm) to Mistral 1000 Vacuum System giving an output performance of 245cfm Free Air

Other Performance Levels Available

Range up to Mistral 1000

VACUUM SYSTEMS

Full range of air pumps available, from 150 cubic metres per hour to 2500 cubic metres per hour. Further specialist equipment is available. Pump types include rotary vane, oil free, air cooled, water cooled, liquid ring. Multiple pumps can be fitted for specific applications. The vacuum system is designed to minimise pumping losses regardless of pump type.

LOADING AND DISCHARGE

Apart from vacuum loading through valves, from 75mm to 150mm various top fill options are available with multi-clamp, single clamp and automatic top hatches. Where access is required ladders and catwalks compliant with Health and Safety Executive guidelines are fitted. Tanks can be discharged using pressure or gravity.

Material Choices Non Hazardous

Carbon Steel: Grade 304 Stainless Steel, Grade 316 Stainless Steel

ADR

Carbon Steel: Grade 304 Stainless Steel, Grade 316 Stainless Steel

LINED *4mm/5mm/6mm thick

Pressure Vessel

Depends on Application and Product List

OTHER OPTIONS AND FEATURES

The tankers can be fitted with various options including valves from 75mm - 150mm diameter, lever or air operated. A fully opening rear door, hydraulically operated top hinge or side mounted manual. Hydraulic or manual door clamps. Inlet/outlet, overspill and vent valves can be interlocked for safety. A 600mm diameter rear access manholes can be fitted and the control location can be duplicated along with fitting sign boards. A tipping system is also available.

Vacuum Tanker Plus Washdown or Jetting

ORCA 170 high-pressure pump giving a performance of up to 45 l/min (10g/min) at 120 bar (1750 psi)

Drain Diameter:

All domestic range

Bespoke Hose Reel Solutions



FEATURES AND OPTIONS

Vacuum Tanker (Non Hazardous Wastes)
 Vacuum Tanker + Jetting or Washdown (Non Hazardous Wastes)
 ADR Vacuum Tanker
 ADR Vacuum Tanker + Jetting
 ADR Vacuum Tanker + Molex PD Pump

FEATURES INCLUDED AS STANDARD

	18t	26t	32t
Hydraulically Operated Rear Door or Dished End with Rear Manhole Access	✓	✓	✓
Top Mounted Manhole c/w Ladder Access	✓	✓	✓
Mistral 4 Series (245cfm) Vacuum Circuit	✓	✓	
Mistral 7 Series (345cfm) Vacuum Circuit			✓
Vacuum Circuit system de-oiler	✓	✓	✓
Tank PRV - System PRV - (Type Approved)	✓	✓	✓
Anti-surge Bolt in Baffles	✓	✓	✓
Fixed Body using Whale Fleximount system	✓	✓	✓
Hose Trays both sides	✓	✓	✓
Programmable Logic Controller (PLC)	✓	✓	✓
WhaleSMART Monitor - See Whale Smart Monitor options page	✓	✓	✓
Conspicuity Markings to UN ECE Reg 48 Sl2009 No 3220	✓	✓	✓
Operator handbook plus vehicle certification pack	✓	✓	✓
Extended Tank and Paintwork Warranty	✓	✓	✓
MyWhaleFleet Management Tool	✓	✓	✓

INCLUDED AS STANDARD WITH JETTING OPTION

	18t	26t	32t
Pneumatic purge to jetting system for cold weather	✓	✓	✓
Electronic Water Pressure Controller	✓	✓	✓
Jetting Soft Start	✓	✓	✓
Jetting Safe Start	✓	✓	✓
Hydrostatic Water Sensor	✓	✓	✓
Manual Hose Reel c/w 30mtr 1/2" Jetting Hose	✓	✓	✓

FEATURES INCLUDED AS STANDARD

	18t	26t	32t
Mistral 4 Series (245cfm) Vacuum Circuit	✓		
Mistral 7 Series (345cfm) Vacuum Circuit	✓	✓	
Hose Reel Meter with Digital Display with Jetting Option only	✓	✓	
Additional WhaleSMART Monitor Located in the Drivers Cab	✓	✓	✓
Mistral 9 Series 500cfm - Air Cooled	✓	✓	✓
Up to Mistral 1000 Water Cooled Power pack	✓	✓	✓
Washdown Pump c/w 15m of 3/8" diameter hose on manual stainless steel reel	✓	✓	✓
Jetting options c/w Manual or Hydraulic Reel Packs	✓	✓	✓
Odour Suppression System	✓	✓	✓
Environmental Package	✓	✓	✓
Bursting Disc with Protective Cover	✓	✓	✓
Heated PPE Locker in Stainless Steel	✓	✓	✓
Range of PD (Positive Displacement) or PC (Progressive Cavity) Slurry pumps	✓	✓	✓
Bespoke Hose Reel Solutions	✓	✓	✓
Whale iWeigh system - SGS/HSS	✓	✓	✓
Load Indicator System - no buzzer (Visual Gauge)	✓	✓	✓
Load Indicator System - (Visual Gauge & Buzzer Activated)	✓	✓	✓
Loadcell Weighing System	✓	✓	✓

Please Note: Whale Tankers has a policy of continuous improvement and therefore reserves the right to alter or amend the specifications of its products without prior notice.



SUPPORT

One of Whale's primary objectives is to maximise operating performance by keeping downtime to an absolute minimum, leading to significantly reduced whole life costs. This is achieved by a service and parts operation that is the envy of the industry. In addition to extensive parts stock and availability, Whale offers routine and preventative maintenance packages.

QUALITY

Whale Tankers care about quality across all aspects of its business. Indeed it is a word that characterises the company. Whale is an ISO9001 registered company. The manufacturing of both Trailers and HGV'S has also been granted Conformity of Production by the VCA.

TRAINING

Central to Whale's success is not only the training of its workforce, but also the provision of recognised, accredited and non-accredited courses that have been structured to meet the changing needs of today's waste water and sewerage industries. The company is also respected for its onsite commissioning of all new vehicles for its customers.

ENVIRONMENT

Whale Tankers is a green canvas through and through, encompassing its products, production processes, staff training and its interaction with its environment. Always focusing its efforts on minimising its impact on the environment, Whale is synonymous with the 'Green' concept.

Operating an environmental quality system accredited to ISO14001, Whale Tankers continues to embrace proven environmental initiatives, whilst being committed to delivering on its promises for decades to come. Whale was for example one of the first companies to embrace low carbon technologies. Occupying an industrial site nestled within a 160 acre green belt area, Whale takes its immediate environment extremely seriously and treats it with the utmost sensitivity, creating its own Whale forest through the ongoing planting of more than 24,000 indigenous trees. Whale Tankers - home to an idyllic environment, green products and processes, and living proof that nature and manufacturing can co-exist together in perfect harmony.

Whale Tankers manufacture a wide range of vehicles and provide many other services. For a copy of any of the following brochures, or for further information, either call us today on: 0121-704 5700, email us at sales@whale.co.uk, or visit our website at www.whale.co.uk



**KAISER
WHALE**

WHALE TANKERS LTD.

Ravenshaw, Solihull, West Midlands, B91 2SU
United Kingdom. telephone +44(0)121 704 5700
whalemail@whale.co.uk www.whale.co.uk

AQUA | WHALE

CITY | CYCLER

GULLY | WHALE

COMPACT | WHALE

GULLY | WHALE

MEGA | WHALE

VACUUM | WHALE

WHALE | VAC

KILO | WHALE

BESPOKE | WHALE

DEMOUNTABLE | WHALE

WATER | WHALE

WHALE | SERVICE

WHALE | CARE

WHALE | PARTS

WHALE | USED

HOT/COLD PRESSURE WASHING

TRAILER PUMP SETS

VAN PACKS



Reliability, Service, Value ... for Life