

AFRICA'S LEADER IN FUEL STORAGE SOLUTIONS AND INNOVATIVE FUEL MANAGEMENT

www.orcafuels.co.za



ORCA
FUEL SOLUTIONS



ABOUT US

Level 2 BBBEE Contributor | 100% Woman Owned

Orca is Africa's leading Innovative Fuel Storage, Fuel Management and Energy Solutions company.

We are the leading manufacturers of engineered self-bunded tanks, remote refuelling systems, bulk fuel farms and plug-and-play dispensing solutions.

From diesel, petrol, lubricants and HFO to Jet A1 and Avgas storage, Orca will design and manufacture a unique, robust and turnkey solution to meet your site requirements.

Our dedicated sales team, with the support of our in-house engineers, technicians and site teams are at your service to design, engineer and deliver custom developed fuel and energy solutions across the African continent.

As a proudly South African, women-owned and managed company, we pride ourselves on providing our customers with the highest quality products delivered in a timely and professional manner.

We understand the challenges of managing and storing fuel in the African environment. Our team's attention to detail throughout the product design, delivery, installation and maintenance, have brought Orca to the front of the fuel storage industry with our innovative solutions.

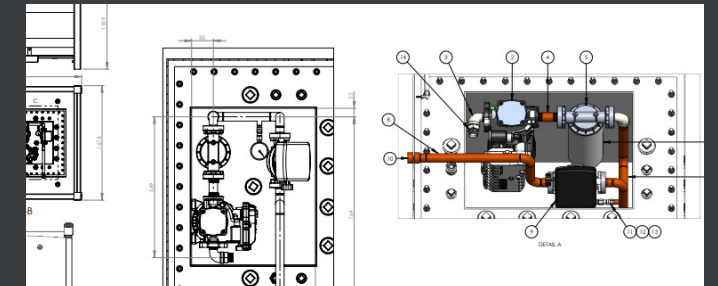
Welcome to the world of Orca.

Design & Engineering

Orca's in-house, specialist engineering and drafting team has the capability to prototype, design & develop customised solutions.

CAPABILITIES

Our quality products and professional services



Manufacture & Fabrication

Our dedicated factory and pump facility allows Orca to serve our customers directly with no middle man between the factory and our customers.



Fuel Tank Supply

Orca is an industry-leading fuel tank supplier and provider of self-bunded bulk fuel tank and management solutions.



Fuel Farms

We provide modular, scalable, intelligently designed self-bunded tank farms with plug-and-play refuelling and monitoring equipment.



Installations

Our fuel tank installation experts offer market leading onsite installation and commissioning services.



INDUSTRIES

Servicing professional industries for over 18 years



Orca takes fuel logistics to the highest level in quality, professionalism and experience, for:

- FUEL FARMS
- ON-SITE REFUELING
- POWER GENERATION
- PORTABLE ENERGY
- AVIATION
- FUEL MANAGEMENT
- FILTRATION
- PORTABLE ENERGY



On Site Refuelling

Provides hassle-free, on site refuelling for large / small scale construction, mining and logistics equipment without the need for civil work or bund walls on site. Easy to relocate. Minimise refuelling distance and optimise operations.



Fuel Farms

Interconnecting tanks together for near unlimited capacity. Increase capacity as fuel requirement increases with 'kit-form' pipework. Easy to relocate or split tanks and fuel locations as the project requirements change.



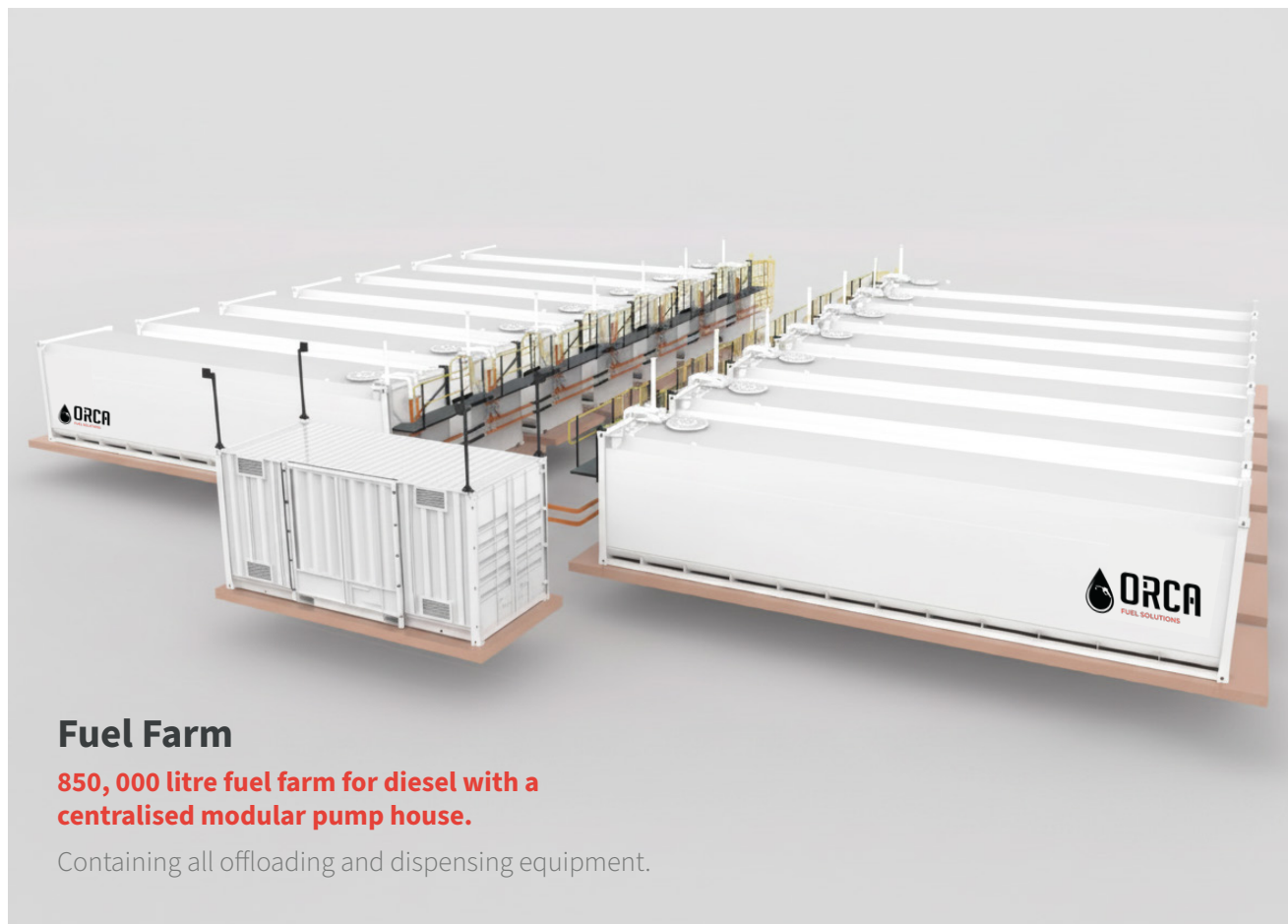
Portable Energy

Rapid deployment for standby power, along with extended, uninterrupted running times.

ENGINEERED SOLUTIONS

Custom-built and Engineered Solutions

The experience and expertise of Orca's in-house design and engineering team are available to design your unique fuel storage and dispensing solution – optimising refuelling time and ensuring your fuel is where you need it, when you need it.



Fuel Farm

850, 000 litre fuel farm for diesel with a centralised modular pump house.

Containing all offloading and dispensing equipment.



Mobile in-pit refueling

69, 280 Litre capacity diesel tank on a mobile skid for mining.

Fully independent powered refueling system, complete with filtration.



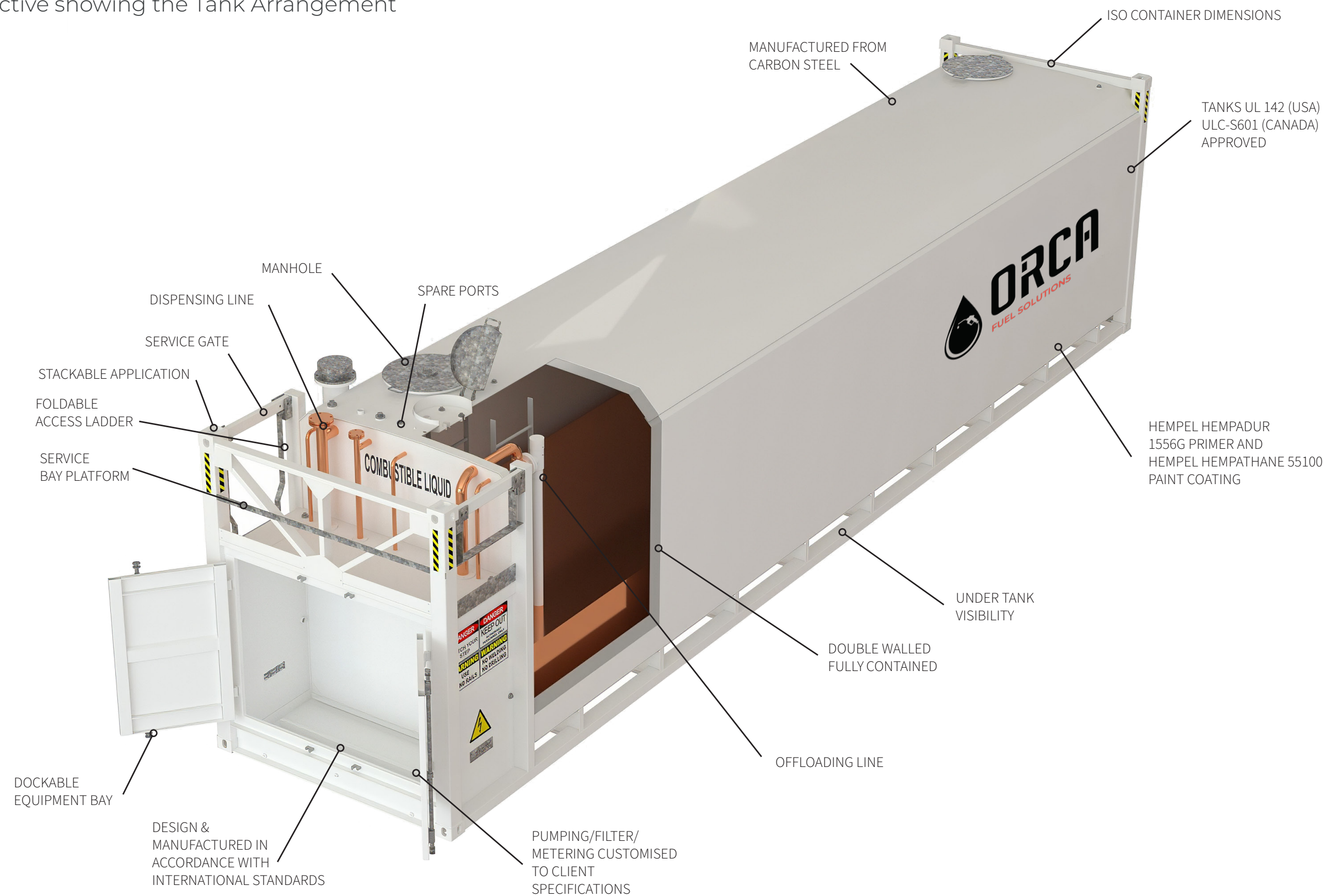
Turnkey industrial refueling solutions

69, 280 Litre capacity aboveground diesel tank.

Complete with mine spec offloading at 1200 l/m and dual dispensing at 80 and 300 l/m.

TANK ARRANGEMENT

Perspective showing the Tank Arrangement



STORAGE SOLUTIONS

The benefits of an Orca storage system



Double-walled Fuel Storage Tanks

(from 1,000 to 107,400 Litres)

We offer unbeatable quality and immense versatility for fast and flexible storage and dispensing solutions. Compatibility with a wide range of pumps and dispensers ensures a unique solution to suit your requirements. You won't find a safer, more reliable, or cost-efficient tank than with Orca.



Longer-lasting, Portable Storage Tanks

Our tanks last longer thanks to stainless steel fittings and an extra thick protective coating to help prevent rust and corrosion. Additionally they are designed with a Safe Fuel Limit (SFL) which is up to 10% greater than standard tanks of similar capacity. This means that each tank goes longer in between refills, giving you long term savings in labour and admin costs. This benefit is especially useful for tanks in remote locations.



Easy-to-use Fuel Tanks

It's easy to get inside an O-series for cleaning and inspection, as they come with dual manways so there is no need to disconnect the pump. Fittings have been specially positioned and designed for ease of dispensing, based on our practical experience with fuel tanks in many different situations. All Orca Fuel Storage Tanks are certified to prove they comply with current health and safety regulations.



Portable for easy transport and relocation

Our storage tanks can be transported by road, rail or sea, and come in various sizes, all of which fit within a standard ISO shipping container. That makes it easy to get them on site fast, or relocate as and when refueling needs change. Installation is easy, as our portable fuel storage tanks can be sited almost anywhere, with no requirement for concrete bund walls or construction.



Designed with your specific needs in mind

All Orca Fuel tanks are manufactured to our own specific designs in a state-of-the-art factory. This gives you the flexibility to order a tank specially adapted for your particular requirements. Please feel free to discuss your needs with us, and we'll work with you to develop and specify a tank that's exactly right for your project.



Complete Fuel Management Service

At Orca we offer turnkey refueling solutions to make sure you get the best tank and dispensing system to match your requirements. You'll receive sound advice from experts with years of practical experience in both fuel supply and distribution.



O-SERIES TANKS

G Gasoline S Solvents L Lubricants D Diesel

O-Series Tanks offer double-walled storage tanks for combustible liquids, as well as other hazardous and non-hazardous liquids, from 11,000 up to 76,000 litres.

The O-Series delivers bulk fuel storage with convenience. Engineered to withstand harsh conditions, while reducing installation times on site.

Pressed corners and a reinforced top ensure a robust tank. Key features of this design include a curved roof finish, increased safe-fill capacity, and improved visibility beneath the tank.

O-SERIES tanks adhere to ISO container specifications. Their smart container-compatible design means no special handling, just seamless transportation and lower logistics costs for your business.

O-SERIES TANKS OFFER A FAST, EASY AND CONVENIENT HYDROCARBON STORAGE SOLUTION.



Curved Tank Roof

STANDARD FEATURES

INCOMING FUEL / PRODUCT

- 3 Inch truck fill coupling.
- Fire safe flanged ball valve, camlock/dry break adaptor & dust cap.
- Non return valve.
- Hydraulic overfill valve with optional unload pump.
- Internal pipe work serviceable.
- High level alarm; hazardous rated & battery powered.
- Basket strainer.

OUTGOING FUEL / PRODUCT

- Anti-siphon valve (foot valve).
- Pipework terminates under walkway with 1,5 inch and 3 inch piping (optional).
- 6" and 4" sockets in both manholes for the mounting of submersible pumps standard.
- Pump suction line including priming point plug.

PUMP BAY

- Pump bay complete with water/product drain valves.
- Internal access for hoses from pylon kits.
- Pylon kits with counter weights (optional).
- Lockable bund doors with rubber dust seal.
- Access ladder to work platform mounted on left or right hand side.
- Bund ventilations.
- Front earth connection.
- Built in safety hand rail system.
- Dual 50 mm side wall cavity sockets.

*Conditions apply. Some features standard, some optional extras, depending on product range. Custom colours, coatings, dimensions and refuelling equipment packages are available upon request.

O-SERIES SPECIFICATIONS

Dimensions are nominal.
Alternative capacities available upon request.

MODEL	SFL Litres	CAPACITY Litres	LENGTH mm	WIDTH mm	HEIGHT mm	TARE kg	PUMP BAY
O-12	11,240	11,840	2,991	2,440	2,896	4,825	Yes
O-20 (NPB)	17,210	17,790	2,991	2,438	2,896	4,280	No
O-30	29,350	30,900	6,058	2,438	2,896	4,825	Yes
O-38 (NPB)	34,600	36,500	6,058	2,438	2,896	7,900	No
O-55	57,850	(15,282)	12,192	2,438	2,591	12,800	Yes
O-68	65,570	69,010	12,192	2,438	2,896	13,570	Yes
O-75 (NPB)	71,720	75,490	12,192	2,438	2,896	13,470	No

Waste Oil, Aviation and Fireguard options available on O-SERIES TANKS. Check with ORCA FUEL SOLUTIONS on specifications.

*Additional bolt-on double-walled pump bays available on request.

STANDARD SPECIFICATION

- Double-walled tank designed and constructed to UL-142 and ULC-S601-14 compliance as standard.
- Supplied with all statutory signage.
- Safe fill capacities from 11,00 – 76,000 litres.
- Curved tank roof finish externally.
- Designed to ISO container specifications.
- In-built tank access ladder and platform .
- One manway access point per tank (min.)
- Updraft vent pipe.
- Calibrated aluminium anodized dipstick.
- Interstitial space monitoring point with anodized dip stick.
- Audible overfill protection alarm.
- 6" and 4 "sockets for installation of submersible pumps.
- Extra paint thickness based on 250 microns for extra protection during harsh climates (Pending customer specifications).
- Bunded cowl and dispensing area.
- Dual hose high mast retractable units. (*Optional)
- Lockable doors to pump bay and dispensing area.
- Suitable for fuel farm configuration (master and slave).
- Transportable via tilt tray, side loader or flatbed semi-trailer.

GET THE MOST OUT OF YOUR REFUELING OPERATIONS

Your O-Series tank is just the beginning. We offer upgrades from Smart Fuel Management Systems to Inline Filtration Units. Fully customised solutions to monitor usage, protect equipment and reduce downtime.

O-SERIES DISPENSING OPTIONS

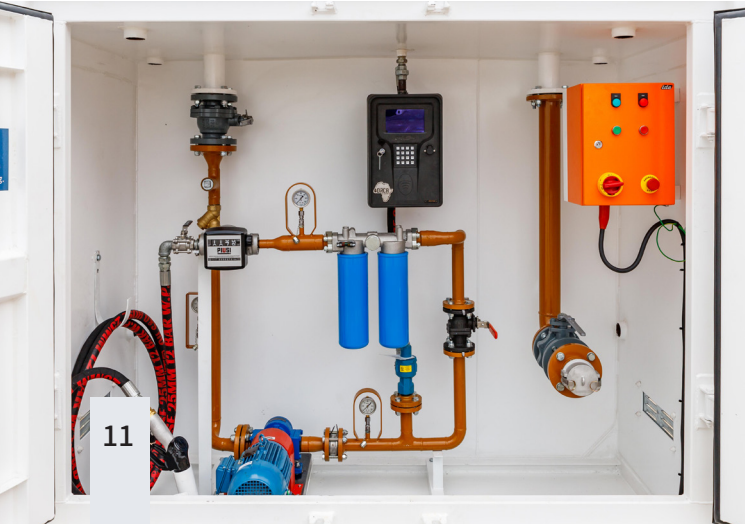
- AC/DC electrical or engine driven dispensing equipment .
- Bowser, dispenser units or retractable hose reel systems .
- Heavy and / or light vehicle refueling.
- Pump electrical switch box with start / stop / e-stop station.
- Flow rates from 30 litres to 1200 litres.
- Bulk fuel dispensing unit (quick fill for onsite service trucks).
- Fuel Management System compatible.
- Outdoor payment terminal compatible (EFTPOS & credit card).

FLAMMABLE STORAGE

Please check the local regulation and install relevant emergency vent for flammable storage.

MULTI COMPARTMENTS TANK

ORCA FUEL SOLUTIONS' tanks are based on container-sized footprints for ease of transportation and handling. They can be supplied with ready-to-use pumps, reels, meters and filtration. Standard and custom build add-on compartments can be specified to hold lubricants, coolant or waste oil as required.



OS-SERIES TANKS

G Gasoline S Solvents L Lubricants D Diesel

OS 'Cube Style' Stationary Fuel Tanks are a value-engineered solution for the storage and dispensing of diesel, gasoline and lubricant oils from 960 to 10 300 litres.

They offer a flexible solution for storing combustible liquids while improving fuel dispensing and management. Their practical design ensures fast, easy, and convenient installation in any outdoor location.

OS TANKS ARE A VALUE-ENGINEERED FUEL STORAGE SOLUTION

These mobile and modular units ensure fast, easy transportation to site, are easily relocatable, and require minimal site preparation. Their place-fill-and-pump installation process delivers versatility and rapid commissioning on site.

The freestanding 'cube style' design provides complete 360° access for tank viewing and inspections. High-grade paint finish ensures enhanced durability in harsh environments.

DURABLE STATIONARY DESIGN WITH DOUBLE-WALL CONTAINMENT FOR ADDED SAFETY AND SECURITY.

Our double-walled tanks are designed as integral secondary containment and therefore do not require independent bunds for leak containment. Double-walled tank = SFL primary tank + interstitial space + secondary external tank.



STANDARD FEATURES

- Designed for stationary storage of product. Meets UL-142, ULC-S601-14 compliance as standard.
- Double-walled tank construction consists of a 4mm primary steel tank and a 4mm secondary steel tank.
- Baffled internally for structural integrity and to reduce product movement.
- Accessible and removable tank manway for internal tank maintenance and cleaning.
- Recessed spill box/pump cabinet with pump mounting bracket. All housed under heavy duty lockable lid for additional fuel security.
- Sectional cut-outs on sides of spill box to allow flexible hoses or pipework to external requirements (i.e: generators).
- Complete with aluminium gauged dipsticks,
- 1 x galvanized updraft vent breather system and multiple port fittings.
- Air pressure tested prior to leaving our factory.
- Mobile and modular design allows for ease of transportation when empty.
- External 'WHITE' paint finish as standard. Other colour options are available upon request. *
- Appropriate safety labels and decals supplied as standard.
- Tie down/lifting points at each corner.
- 2 x forklift pockets to all sides.

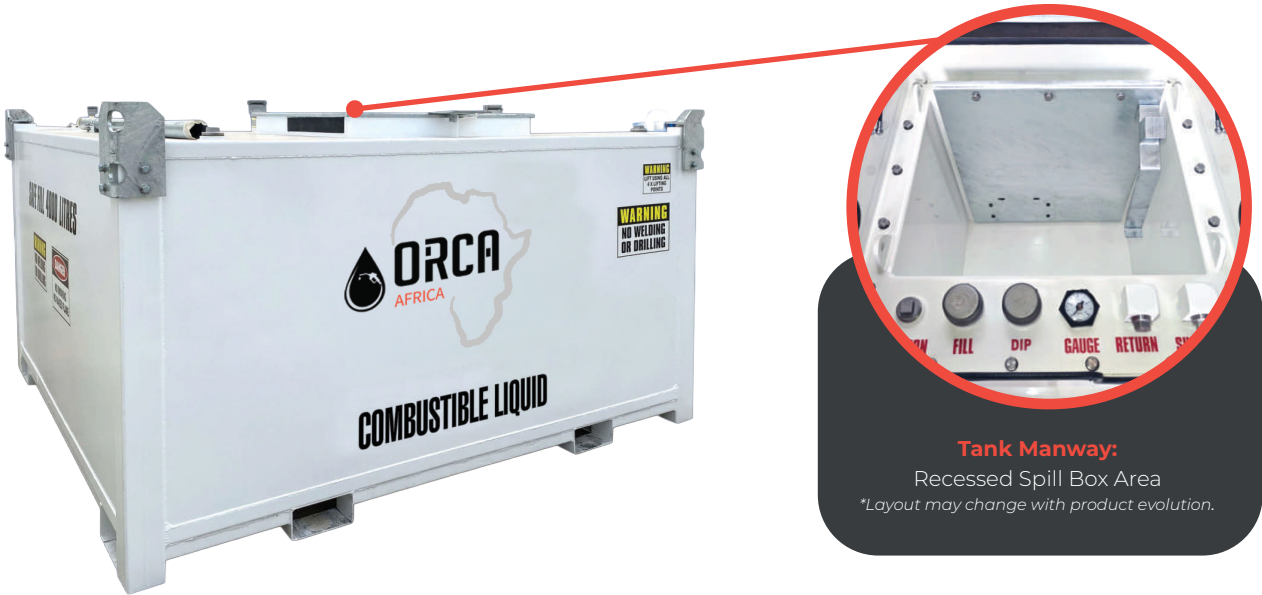
*Conditions apply. Some features standard, some optional extras, depending on product range. Custom colours, coatings, dimensions and refuelling equipment packages are available upon request.

OS-SERIES SPECIFICATIONS

*Dimensions are nominal.
Alternative capacities available
upon request.*

MODEL	SFL Litres	CAPACITY Litres	LENGTH mm	WIDTH mm	HEIGHT mm	TARE kg	BAFFLE
OS-1000	960	1,010	1,374	1,086	1,270	714	Yes
OS-2000	1,925	2,030	2,294*	1,370	1,270	1,084	Yes
OS-3000	2,935	3,090	2,294*	1,546	1,270	1,269	Yes
OS-4000	4,110	4,330	2,294*	2,084	1,270	1,570	Yes
OS-10 000	10,250	10,790	4,876	4,876	1,270	2,864	Yes

Waste Oil, Aviation and Fireguard options available on OS TANKS. Check with ORCA FUEL SOLUTIONS on specifications.
*Additional bolt-on double-walled pump bays available on request.



Tank Manway:
Recessed Spill Box Area
*Layout may change with product evolution.

MANWAY (INSIDE LID)

- 1 x 1 ¼" Suction Port
- 1 x 2" Fill Port · 1 x 2" Dip Port
- 1 x Tank gauge
- 1 x 1 ¼" Return Port (1 ¼" – 1" reducer)
- 1 x 1 ¼" Suction Port (1 ¼" – 1" reducer)
- 1 x Pump bracket
- 1 x Nozzle holder

MOBILE AND MODULAR

- Lightweight and efficient stationary design
- Practical 'cube style' modular finish
- 2 x forklift pockets to all sides
- Tie down/lifting points at each corner
- Tanks can be stacked 4 high empty

EXTERIOR OF TANK

- 1 x 2" Vent Port
- 1 x 2" Free port
- 2 x 4" Vent port (up to 6" on some models)
- 1 x 3" Free port
- 1 x 2" Free vent
- 1 x 2" Interstitial Dip / Vent
- 2 x 2" Free suction ports

OST-SERIES TANKS

G Gasoline **S** Solvents **L** Lubricants **D** Diesel

Orca Fuel Solutions' OST tanks are the best solution for the storage and dispensing of diesel, gasoline and lubricant oils from 1000 - 6000 litres.

They offer a flexible solution for storing combustible liquids while improving fuel dispensing and management. Their practical design ensures fast, easy, and convenient installation in any location, indoors or outdoors.

OST-SERIES TANKS OFFER A FAST, EASY AND CONVENIENT HYDROCARBON STORAGE SOLUTION.

These mobile and modular units ensure fast, easy transportation to site, are easily relocatable, and require minimal site preparation. Their place-fill-and-pump installation process delivers versatility and rapid commissioning on site.

The freestanding design provides complete 360° access for tank viewing and inspections.

The curved rooftop design and high-grade paint finish ensures enhanced durability in harsh environments.

DOUBLE-WALL CONTAINMENT FOR ADDED SAFETY AND SECURITY.

Our double-walled tanks are designed as integral secondary containment and therefore do not require independent bunds for leak containment. Double-walled tank = SFL primary tank + interstitial space + secondary external tank.



STANDARD FEATURES

- Meets UL-142 and ULC-S601-14 compliance as standard
- Double-walled tank construction consists of a 5mm primary steel tank and a 3mm secondary steel tank
- Baffled internally to reduce product movement should the unit be moved with contents.*
- Accessible and removable tank manway for internal tank maintenance and cleaning.
- Recessed spill box/pump cabinet with pump mounting bracket. All housed under heavy duty lockable lid for additional fuel security.
- Sectional cut-outs on sides of spill box to allow flexible hoses or pipework to external requirements (i.e: generators).
- Curved roof feature for water drainage to top of tank.*
- Complete with aluminium gauged dipsticks, 1 x galvanized updraft vent breather system and multiple port fittings.
- Air pressure tested prior to leaving our factory.
- Mobile and modular design allows for ease of transportation.
- 250-300 Micron thickness 'WHITE' paint finish as standard. Other colour options are available upon request.
- Flammable and combustible liquid safety labels and decals supplied as standard.
- Forklift pockets and certified tie down/lifting points at each corner.

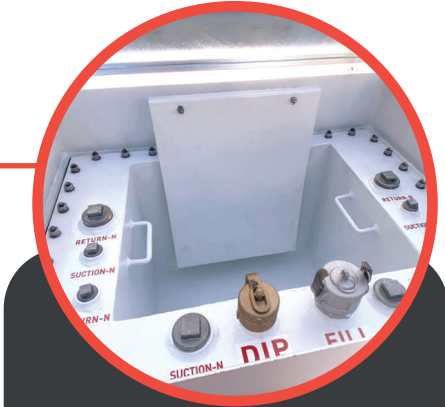
**Conditions apply. Some features standard, some optional extras, depending on product range. Custom colours, coatings, dimensions and refueling equipment packages are available upon request.*

OST-SERIES SPECIFICATIONS

Dimensions are nominal.
Alternative capacities available upon request.

MODEL	SFL Litres	CAPACITY Litres	LENGTH mm	WIDTH mm	HEIGHT mm	TARE kg	PUMP BAY
OST-1000	1,000	1,160	1,864	1,100	1,309	872	Yes
OST-2000	1,890	2,000	2,274	1,416*	1,309	1,120	Yes
OST-2500	2,500	2,684	2,274	1,674*	1,309	1,270	Yes
OST-4500	4,500	4,800	2,774	2,274*	1,309	1,768	Yes
OST-6000	6,000	6,200	3,574	2,274*	1,309	2,800	Yes

Waste Oil, Aviation and Fireguard options available on OST TANKS. Check with ORCA FUEL SOLUTIONS on specifications.
*Additional bolt-on double-walled pump bays available on request.



Tank Manway:
Recessed Spill Box Area
**Layout may change with product evolution.*

MANWAY (INSIDE LID)

- 1 x 2" Fill Point
- 1 x 2" Dip Point
- 2 x 2" Suction Ports (BSP & NPT)
- 2 x 2" Return Ports (BSP & NPT)
- 2 x 1" Suction Ports (BSP & NPT)
- 2 x 1" Return Ports (BSP & NPT)

MOBILE AND MODULAR

- OST- 1000 to 8000: Forklift pockets designed into base.
- Tie down/lifting points located at each corner.
- OST- 10000 to 13000: Skid frame construction in accordance with 20ft ISO container standards.
- Tanks can be stacked four high empty, and two high full to maximise storage space.

EXTERIOR OF TANK

- 1 x 2" Interstitial Dip / Vent
- 1 x 2" Suction Port (BSP)
- 1 x 2" Spare Port
- 2 x 4" Submersible Pump Provision (BSP & NPT)
- 1 x 2" Free Vent Port

OA-SERIES TANKS

Av **AVGAS** A1 **Jet A1**



Orca Aviation tanks offer safe and reliable double-walled storage tanks for Avgas, Jet A1 and SAF – from 1000 to 72 000 litres.

From major airport hubs to isolated communities, the cleanliness and quality of aviation fuel are vital to the safety of aircraft, passengers, and crew. Ensuring you have purposebuilt storage tanks designed for aviation fuel helps maintain fuel quality.

Our tanks offer flexible storage and pumping solutions for Aviation Gasoline (AVGAS), Turbine Fuel / Jet Fuel (Jet A1) or Sustainable Aviation Fuel (SAF).

OUR RANGE OF AVIATION TANKS HAVE BEEN DESIGNED FOR LARGE AND SMALL AVIATION OPERATORS REQUIRING FLEXIBILITY IN CHALLENGING LOCATIONS.

The OST Av and O-Series Av range is ideal for:

- Small Commercial Airfields
- Private Airfields
- Isolated Rural Airfields
- Onshore – Offshore Refuelling
- Helicopter (helipad) Facilities



STANDARD FEATURES

- Double-walled structural design as standard.
- All tanks meet UL-142, ULC-S601-14 compliance as standard.
- OST-1000 to 6000 Av construction consists of 5mm GR 304 stainless steel inner primary tank and 3mm mild steel external secondary tank.
- OST 10 000 Av construction consists of 5mm GR 304 stainless steel inner primary tank and 5mm mild steel external secondary tank.
- O-Series Av tank's construction consists of 6mm GR 304 stainless steel inner primary tank and 6 mm mild steel external secondary tank.
- GR 304 stainless steel fuel lines, piping and fittings.
- Floating suction (O-Series Av only).
- Overfill protection system (O-Series Av only).
- High level alarm (Ex-i – Intrinsic safe / O-Series only).
- Emergency venting.
- Vent Pipe: Free Vent.
- Pressure Vacuum (optional).
- Fluid Level Dipstick.
- Sloping 50:1 floor to collection sump with sampling facilities.
- Sampling cabinet (supplied loose, O-Series tanks only).

OPTIONS

- GR 316 stainless steel upgrade.

**Conditions apply. Some features standard, some optional extras, depending on product range. Custom colours, coatings, dimensions and refuelling equipment packages are available upon request.*

OST-SERIES AVIATION RANGE

Dimensions are nominal.
Alternative capacities available upon request.

MODEL	SFL Litres	CAPACITY Litres	LENGTH mm	WIDTH mm	HEIGHT mm	TARE kg	PUMP BAY
OAST-1000	1,000	1,160	1,864	1,076	1,309	872	Yes
OAST-2000	1,890	2,000	2,274	1,394	1,309	1111	Yes
OAST-2500	2,350	2,570	1,702	1,280	2,302	1,310	Yes
OAST-4500	4,180	4,490	2,774	2,250	2,250	1,810	Yes
OAST-6000	6,000	6,200	3,574	2,250	1,309	2,218	Yes

4-Hour Fire Rated protection options available on OA-SERIES TANKS. Check with ORCA FUEL SOLUTIONS on specifications.

OAST-SERIES TANKS

From 1000 to 6300 litres.



IDEAL FOR: Small & private airfields

OA-SERIES TANKS

From 11 000 to 73 000 litres.



IDEAL FOR: Commercial airfields & airports

OA-SERIES AVIATION RANGE

MODEL	SFL Litres	CAPACITY Litres	LENGTH mm	WIDTH mm	HEIGHT mm	TARE kg	PUMP BAY
OA-12	10,900	11,500	2,991	2,440	2,896	4,900	Yes
OA-20 (NPB)	17,100	18,000	2,991	2,438	2,896	4,800	No
OA-30	28,800	30,400	6,058	2,438	2,896	7,780	Yes
OA-38 (NPB)	34,600	36,500	6,058	2,438	2,896	7,900	No
OA-68	63,000	66,400	12,192	2,438	2,896	13,500	Yes
OA-75 (NPB)	68,400	72,100	12,192	2,438	2,896	13,900	No

MCS SAPPHIRE

FUEL MANAGEMENT

The **MCS Sapphire** represents the next generation of fuel and fluid management technology. As part of the Orca Smart Fuel ecosystem, it provides a scalable, real-time solution to safeguard your tank stock and gain total awareness of every liter consumed.

FEATURE	DETAILS
Users	Unlimited user access via tags or access pins.
Transactions	Over 20,000 transactions saved to cloud.
Management	Real time with live tracking every 1-2 minutes.
Storage	Up to 7-year cloud storage before being archived.
Monitoring	24 Hour live monitoring of tanks, users, & transactions.
Compatibility	Monitors up to 4 tanks & 4 pumps.
Integration	Basic API integration into any accounting system.



Key Capabilities

- ✓ **Total Control:** Monitor every liter dispensed in real-time and improve fleet-wide fuel efficiency.
- ✓ **Flexible Access:** Authenticate users via fuel cards, magnetic stripe cards, keys, fobs, contactless devices, or 4-digit PINs.
- ✓ **Universal Compatibility:** Compatible with all major pump suppliers and capable of integrating any fuel card globally.
- ✓ **Ruggedized Engineering:** Tested to operate in extreme environments ranging from -40°C to +50°C.

Cloud Software

Sapphire+ Terminal:

MID-approved for weights and measures, making it suitable for resale to subcontractors and local accounts.

Sapphire Mobile:

Designed for browsers and service vehicles to manage refueling away from static sites. Features include vibration protection and “Smart-hibernation” to preserve vehicle battery power.



Monitor every litre dispensed in real time.



Gain insight into fleet-wide fuel efficiency.



Prevent losses & safeguard your tank stock.



Evaluate & improve driver fueling behavior.

PIUSI B.SMART

FUEL MANAGEMENT

The **B.SMART** is Piusi’s electronic control panel for fuel and fluid installations. It brings any AC or DC pump, pulse meter, nozzle and tank level switch onto the **B.SMART** Cloud, giving you real-time transaction visibility without installing a single line of software on site

FEATURE	DETAILS
Users	Driver access add-on included, up to 10 access codes, tags or fobs per unit.
Transactions	Up to 500 transactions stored on-board before upload.
Management	Controls AC/DC pumps, pulse meter litre counters, nozzles & tank level switches from one panel.
Storage	Standard or compact enclosure: 260×240×170mm or 300×300×180mm, from 2.3kg.
Monitoring	Real-time monitoring via B.SMART Cloud software and mobile app, no PC required.
Compatibility	Any fluid type, diesel, biodiesel, AdBlue, oil, water, kerosene, grease & more.
Integration	Bluetooth connection with B.SMART Cloud included as standard on every unit.



Key Capabilities

- ✓ **Total Control:** monitor every pump, pulser, nozzle and level switch from a single panel, in real time.
- ✓ **Flexible Access:** driver access add-on ships standard, with up to 10 tags, fobs or PIN codes per unit.
- ✓ **Universal Compatibility:** works with any AC or DC pump, and any fluid, diesel, biodiesel, AdBlue, oil, water, kerosene and more.
- ✓ **Cloud Simplicity:** no PC or server needed, B.SMART runs in the cloud, with a compact version for confined-space installs.

Cloud Software

B.SMART Standard:

Full-size control panel for new installations or upgrading existing plants. Available in 100–240V AC or 12/24V DC, with an optional 2-pump output.

B.SMART Compact:

The same B.SMART cloud intelligence in a smaller enclosure, purpose-built for confined-space installations and tight retrofits.



Monitor every litre dispensed in real time.



Track pump, pulser & nozzle status remotely.



Prevent losses with tank level switch alerts.



Manage access & activity via the B.SMART app.

SMART FUEL MANAGEMENT

FUEL MANAGEMENT

The **SmartFill Gen 3** is a smart, scalable, and highly reliable turnkey fuel management solution. Engineered for absolute ease of use and professional trust, it allows businesses to store, track, and optimize fuel usage for peak efficiency in any environment.

FEATURE	DETAILS
Users	Unlimited user access via tags, key cards or access pins.
Transactions	Unlimited transactions saved to cloud.
Management	Real time with live tracking every 5-10 seconds.
Storage	Unlimited cloud storage with encrypted data.
Monitoring	24HR live monitoring of tanks, users, nozzles, & transactions.
Compatibility	Monitor any type of tank, size & pump system.
Integration	Advance API integration into any accounting system.



Key Capabilities

- ✓ **Secure Access:** Authorize transactions using RFID tags, proximity cards, or unique 4-digit PINs to mitigate fuel theft.
- ✓ **Mandatory Data Capture:** Automatically prompts drivers for vehicle IDs, odometer readings, or hour meters before dispensing fuel.
- ✓ **Total Awareness:** Gain 24/7 visibility of every liter delivered, pumped, and consumed.
- ✓ **Inventory Security:** Set automatic re-order levels to notify fleet managers and suppliers when reserves are low.

Intelligence & Reporting

Centralized Reporting: Manage multiple depot stocks and remote sites from a single screen

Customizable Exports: Generate reports in PDF, Excel, or CSV formats to track activity.

Behavioral Analysis: Evaluate driver fueling behavior to identify & reduce waste.

- Available online access for your data.
- No PC software needed.
- Cloud based login portal.

SMART FUEL MANAGEMENT

FUEL MANAGEMENT

The **Veridapt AdaptMAC** is the pinnacle of our fuel management offerings, engineered for high-volume industrial environments where total control and security are non-negotiable. As a leader in smart, scalable turnkey solutions, Orca utilizes Veridapt technology to provide absolute visibility over your fuel supply chain.

FEATURE	DETAILS
Users	Unlimited user access via tags, key cards or access pins.
Transactions	Unlimited transactions saved to cloud.
Management	Real time with live tracking every 3~5 seconds.
Storage	Unlimited cloud storage with encrypted data.
Monitoring	24HR live monitoring of tanks, users, nozzles, & transactions.
Compatibility	Monitors any type of tank, size & pump system.
Integration	Advance API integration into any accounting system.



Key Capabilities

- ✓ **Security:** Authorize transactions through RFID tags, HID cards, or secure biometric integration.
- ✓ **Asset Tracking:** Automatically prompts for mandatory inputs such as Odometer/Hourmeter readings and specific Job codes.
- ✓ **Precision Metering:** Integrates with high-accuracy flow meters to monitor every liter dispensed, pumped, and consumed.
- ✓ **Automated Inventory:** Real-time tank gauging allows the system to monitor stock levels and notify suppliers.

Strategic Data Reporting

Centralized Management: Track multiple remote sites & on-road transactions through a secure web portal.

Comprehensive Analytics: Generate executive reports in over 50 formats (PDF, Excel, CSV).

Inventory Reconciliation: Identify and mitigate fuel losses immediately.

- Streamlined operations.
- Real-time reconciliation.
- Greater cost savings.
- Accurate emissions reporting.

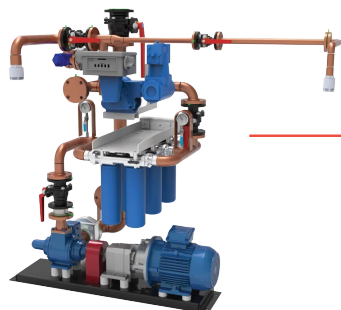
PUMP PACKAGES

The Smartest Delivery and Filtration to suit your needs

LOADERS

TANKER-TO-TANKER LOADING

- Flow rates ranging from 300 L/pm to 1200 L/pm.
- Wide range of filtration and metering options.



REFUELLERS

MEDIUM AND INDUSTRIAL REFUELING

- Flow rates ranging from 80 L/pm to 450 L/pm.
- Medium and heavy vehicle refueling.



LUBRICANTS

LUBRICATION SOLUTIONS

- Flow rates ranging from 44 L/pm to 105 L/pm.
- Includes hose reel with 10m hose and nozzle.



GENERATOR FEED

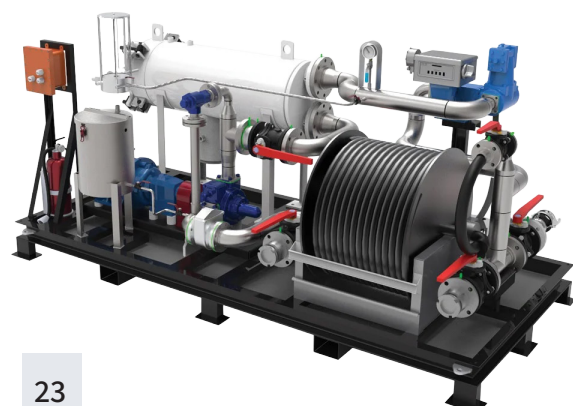
LOCAL AND INDUSTRIAL GENERATOR FEED

- Flow rates ranging from 32 L/pm to 110 L/pm.
- Manual and automated options.

HOME-BASE REFUELING

LIGHT AND MEDIUM VEHICLE REFUELING

- Flow rates ranging from 40 L/pm to 130 L/pm.
- Refuel more than one product at a time.



AVIATION

AIRCRAFT REFUELLING (Jig Compliant)

- Flow rates ranging from 80 L/pm to 500+ L/pm.
- Available as diesel- or electrically-driven.

CERTIFICATIONS

Designed and certified to operate on a global scale

Orca's tanks and products are designed and certified to give you absolute peace-of-mind, whether operating in your own country, or abroad.



ULC-S601-14: The Canadian acceptable standard for shop fabricated steel aboveground tanks for flammable and combustible liquids. **NFPA:** National Fire Protection Association: Flammable and combustible liquids code applicable in the USA.



AS1940

AS 1940: Australian standard for the storage and handling of flammable and combustible liquids.



UL: The USA / NA Recognized Standard for Safety: steel aboveground tanks for flammable and combustible liquids.



TRANSPORT CANADA: Department responsible to serve the public interest for developing regulations, policies, programs and services to promote safe, secure, efficient and environmentally responsible transportation in Canada.

AS1692

AS 1692: Australian standard for steel tanks for flammable and combustible liquids.



UN IBC 31 A/Y: The United Nations approved international standard on design, manufacture and use of intermediate bulk containers for the transportation of dangerous goods. The UN IBC 31A/Y is applicable to the use of specially fabricated steel tanks that allows the legal transport of dangerous goods by road, rail and sea, packaging groups II & III.



UN IMDG: Carriage of dangerous goods by sea is regulated in order reasonably to prevent injury to persons or damage to ships and their cargoes. Carriage of marine pollutants is primarily regulated to prevent harm to the marine environment. The objective of the IMDG code is to enhance the safe carriage of dangerous goods while facilitating the free unrestricted movement of such goods.

PROJECTS

Recent Projects and Installations by Orca



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Mine In-Pit Refueling



Fuel Management



Dual Function: Power Generation and Light Vehicle Refueling



Pump House

PROJECTS

Recent Projects and Installations by Orca



Lubricant Skids



Fuel Farms



Onsite Power



Aviation Tanks

THE ORCA TEAM

Level 2 BBBEE Contributor | 100% Woman Owned

Our people are the foundation of our business. Our dedication to providing a customised fuel solution requires that we have a team of individuals that are ready to meet every challenge.

With combined experience of over a hundred years in the tank and pump sector in Africa, we know what it takes to build strong and reliable solutions for our clients.

Welcome to Orca



OUR CLIENTS

We've serviced clients throughout Africa, and beyond...

And many more!

AFRICA'S LEADER IN **FUEL STORAGE SOLUTIONS** AND **INNOVATIVE FUEL MANAGEMENT**



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