

# Innovative Solutions for **AUS32/DEF** Storage & Dispensing





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**DON'T RISK SUB-STANDARD TANKS OR EQUIPMENT, ENSURE LONG TERM QUALITY OF STORED AUS32/DEF. AN INVESTMENT FOR TODAY, TOMORROW & THE FUTURE – DON'T BE CAUGHT BY CHANGING REGULATIONS!**

## **WHAT IS AUS32/DEF?**

AUS32 (Aqueous Urea Solution 32.5) or DEF (Diesel Engine Fluid) are also known as AdBlue® which is a registered trade name for the fluid.

AUS32/DEF is used in modern diesel engines which are equipped with an SCR (Selective Catalytic Reduction) System. AUS32/DEF never comes in

contact with the fuel, it is a common misconception that it is an additive. AUS32/DEF is carried onboard the vehicle in a separate vessel to the fuel storage tank. It is injected into the exhaust gases as a post combustion process through an SCR where it converts NO<sub>x</sub> gases into harmless Nitrogen gas and Water vapour.

## **WHY BLUEQUIP STORAGE UNITS FOR AUS32/DEF?**

Whether your AUS32/DEF (AdBlue®) requirements range from 20L a week to 10000L a month, it is imperative that it is stored correctly.

It is important AUS32/DEF is kept within an optimum temperature range 0° to +30° Celsius otherwise the quality of the solution is compromised and the shelf life reduced. It has a typical shelf life of 6-12 months if the storage temperature of AUS32/DEF is below +30° Celsius. AUS32/DEF is highly corrosive IF the right materials are NOT used. Therefore, BLUEQUIP offers the storage & dispensing systems made out of the right materials which are listed in the ISO-22241

part 3 guidelines. In this way, BLUEQUIP equipment safeguards the quality of AUS32/DEF without any compromises.

- Bluequip provides an extensive range of easy to handle above ground tanks and equipment solutions.
- The BlueMaster and BlueSlimLine series tanks provide a highly professional solution to your AUS32/DEF storage and dispensing needs.
- Our customers can rely on products that fulfill their highest demands of quality, stability and longevity.

## **WHY BLUEQUIP TMS WILL BENEFIT YOU?**

Each Bluequip tank comes standard with a Tank Management System (TMS) which is the main cog of our system, designed to control, monitor and accommodate the efficient storage and dispensing of AUS32/DEF (AdBlue®).

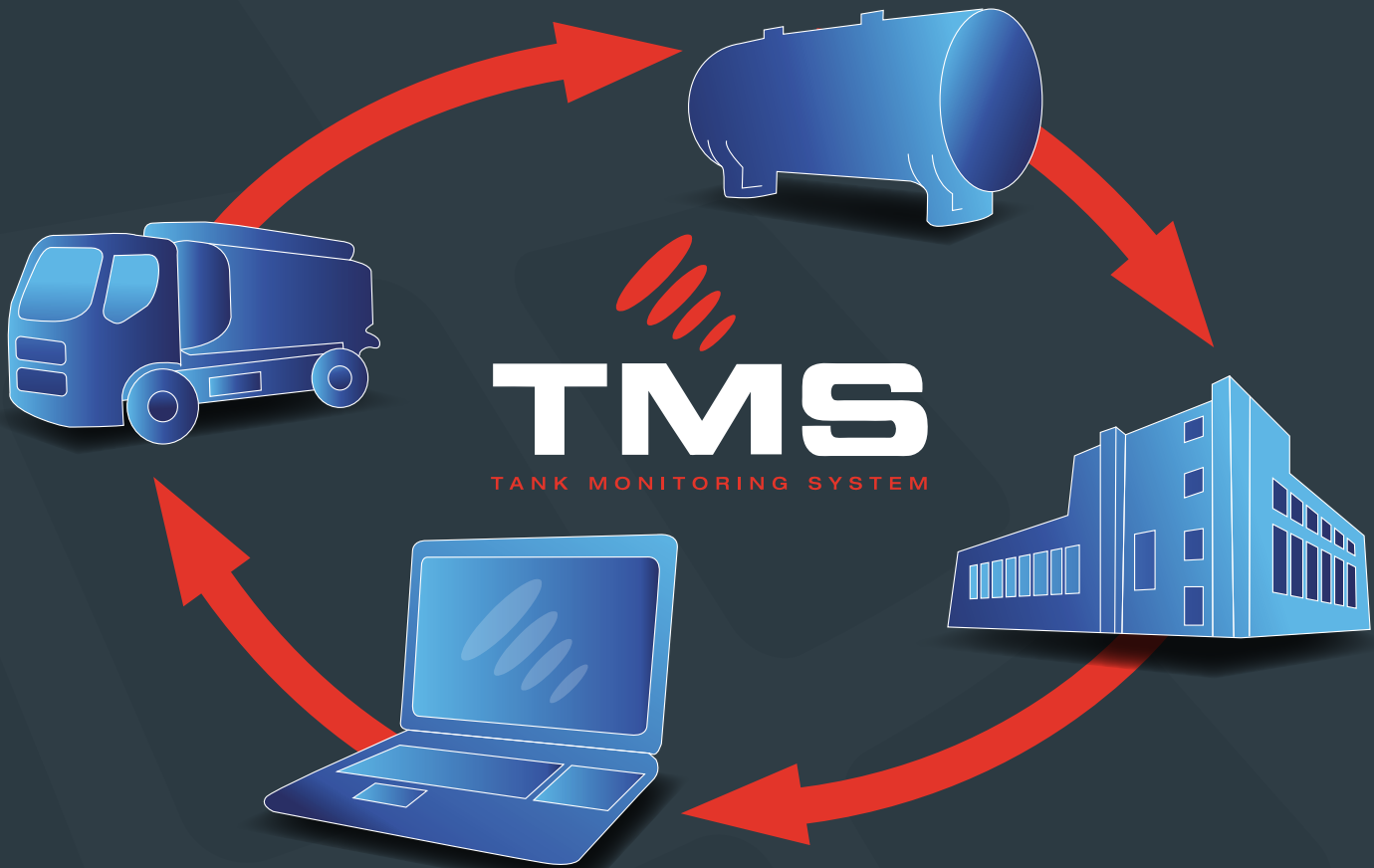
The TMS System can monitor levels in the tank displaying current stock locally on screen or remotely in a central office allowing improved delivery schedules and efficient route planning, optimised inventory management, fault alarms and eliminates the need for manual measurements.

AdBlue™ is a trademark of the Verband der Automobilindustrie e.V. (VDA).

# THE HEARTBEAT OF OUR TANKS!

Taking fluid and tank management to new levels.

## TANK LEVEL MONITORING MADE EASY...



### ADVANTAGES:

- Improved delivery schedules & efficient route planning
- Optimised inventory management
- Customer binding
- Improves security
- Eliminates the need for manual measurements
- Receives timely & accurate data for competitive product purchases
- Avoid downtime from running out of product
- Cost effective

### FEATURES:

- Flow metering & bund alarm
- Level reading & leak detection
- Robust design for outdoor & indoor installation –IP65 rated enclosure
- Online, graphical presentation of historical data by week, month & year
- Can be linked to fluid management systems
- Integral high/low level alarm
- Dispensed quantity
- High resolution

# BLUEQUIP BLUEMASTER®

## THE ADVANTAGES OF BLUEMASTER TANKS:

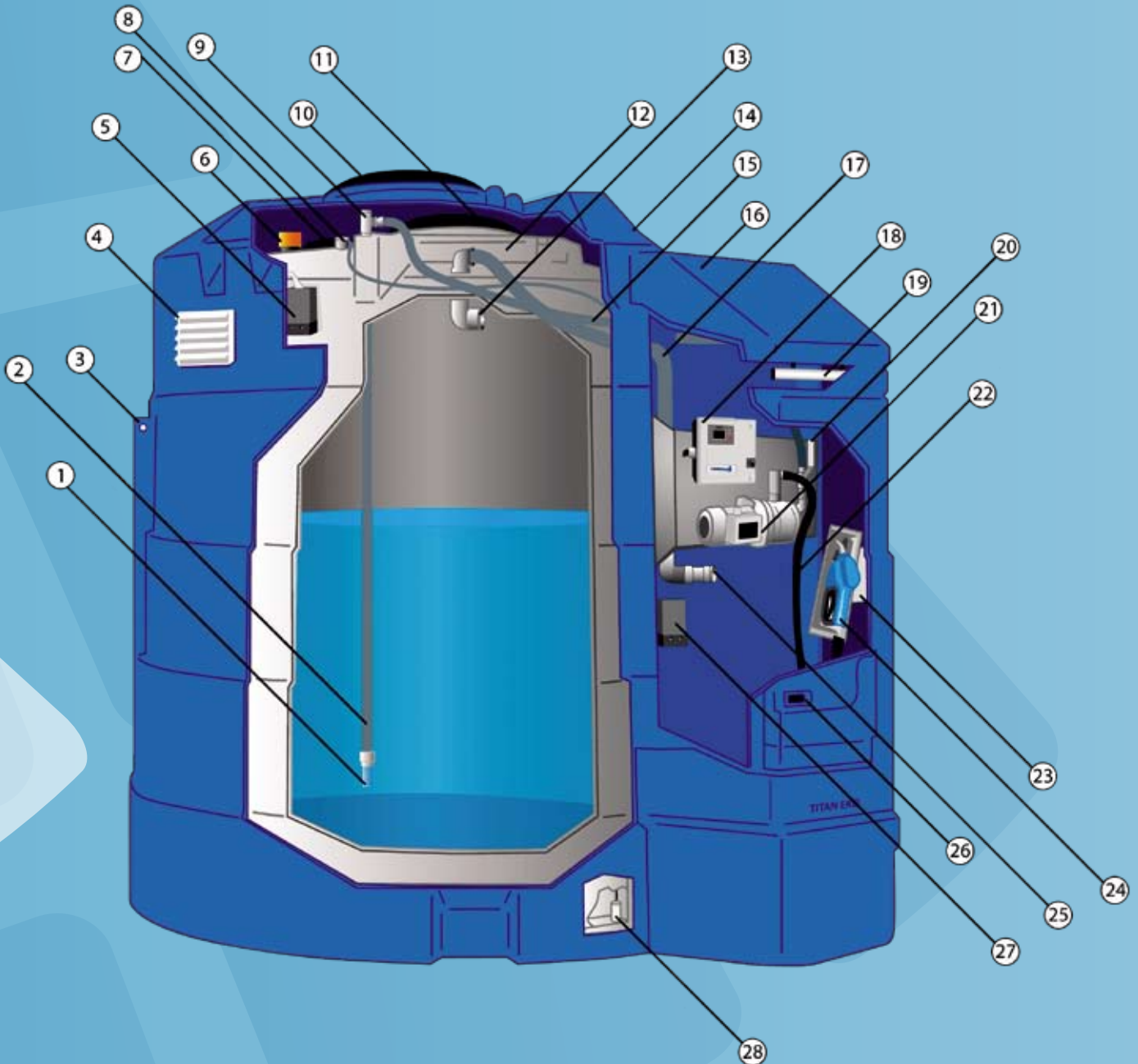
- You are no longer required to drive to a petrol station to refuel or store AUS32/DEF (AdBlue®) in small containers,
- Thermal insulation and heating – ventilation system keep AUS32/DEF (AdBlue®) within an appropriate temperature range,
- Double jacket tank construction, leakage detection system, fill 'level indicator' and overflow protection to prevent spillage,
- Closed dispenser housing protects against unauthorised access, mechanical damage and extreme weather conditions,
- Wide range of standard equipment ensures optimum safety and functionality and is maintenance free,
- Attractive shape and colour to fit perfectly into your landscape,
- Made from high quality polyethylene the tanks are also resistant to UV radiation, frost and heat and will maintain their integrity over many years,
- Easily transported by a forklift truck,
- Filling line with dry disconnect fitting which is located at working level making it significantly easier to use the tank,
- Guarantee\*: 5 year warranty on tank, 1 Year warranty on equipment.



# SUPERIOR VALUE.

More cost effective than IBC's or Drums and offers 2 year payback.

## CONSTRUCTION AND STANDARD FEATURES:



- |  |  |  |
|--|--|--|
| 1. Fine filter with anti-return valve      | 11. 16" inspection hatch on the inner tank | 21. Pump with flow meter                 |
| 2. Suction line                            | 12. Inner tank                             | 22. Dispensing hose                      |
| 3. Tank holder                             | 13. Filling line connection                | 23. Nozzle holder with pump switch       |
| 4. Tank ventilation                        | 14. Outer tank                             | 24. Automatic nozzle                     |
| 5. Tank heater (optional)                  | 15. Suction line                           | 25. Dry disconnect filling coupling      |
| 6. Inner tank ventilation                  | 16. Dispensing equipment housing           | 26. Dispenser housing lock               |
| 7. 4" inspection hatch on the inner tank   | 17. 2" filling line                        | 27. Dispenser housing heating (optional) |
| 8. Ultrasonic level sensor                 | 18. TMS System                             | 28. Leakage sensor                       |
| 9. Suction line overflow ferrule           | 19. Dispenser housing light                |  |
| 10. 16" inspection hatch on the outer tank | 20. Suction line stop valve                |  |

\*The warranty covers product used in accordance with the manufacturer's recommendations.

# BLUEQUIP BLUESLIMLINE®

## THE ADVANTAGES OF BLUESLIMLINE TANKS:

### FEATURES:

- Variable positioning of the dispensing unit (unit at the front or on either side),
- To improve the monitoring of the consumption of AUS32/DEF (AdBlue®), the tank is equipped with a calibratable flow 'meter' indicating the volumes and values of the consumed liquid,
- Due to its compact design, the BlueSlimLine is the perfect answer to fitting a tank in a restricted area of tight space,
- A wide variety of standard equipment enables the operation of the tank under severe weather conditions,
- Thermal insulation and heating system keep AUS32/DEF at its optimum temperature,
- The bunded construction makes the tanks extremely secure and a leak detection system, level gauge and overfill protection reduce the possibility of any leakages,
- High resistance against mechanical impact, due to strong polyethylene bunded construction,
- Raised roof ensures easy maintenance,
- The delivery line with a dry disconnect fitting at working level makes it easy to fill up the tank,
- Protection against access by unauthorised persons and changing weather conditions is ensured thanks to a lockable housing, which protects pumping equipment and inlet and outlet connections,
- The tank is easily transported by a forklift or crane truck,
- SlimLine tanks are covered by a 5 year warranty, pumps and accessories are covered by a 1 year warranty.



# THE TANK YOU CAN RELY ON!

An investment for today, tomorrow and the future.

## BLUEQUIP TANKS SPECIFICATION

BLUEMASTER		B5	B3.5	B2.5		
<b>TECHNICAL DATA</b>	Height/m	2.34	1.96	1.85		
	Width/m	2.23	2.20	1.46		
	Length/m	2.84	2.30	2.46		
	Capacity/L	5000	3500	2500		
<b>STANDARD EQUIPMENT</b>	Titan Tank Management Systems (TMS) with fill level gauging, flow rate meter with litre counter (including total display)					
	4-20MA output for telemetry connection, interface for connection to external fluid management system					
	Overfill protection, leakage detection					
	Tank cooling system - fan heating (optional)					
	2" filling line - pump package – including flow rate meter, 4m dispenser hose					
	1" suction line					
	Automatic nozzle with integrated pump switch					
	Protection for keeping the nozzle in correct position					
	Dry-run shut-off feature to protect the pump					
	Current protection for all accessories					
	Cabinet lighting					
BLUE SLIMLINE		A5	A7.5	A10	A15	A20
<b>TECHNICAL DATA</b>	Height/m	2.34	2.34	2.34	2.34	2.34
	Width/m	1.53	1.53	1.53	1.53	3.06
	Length/m	3.7	5.05	6.4	9.22	6.4
	Capacity/L	5000	7500	10000	15000	20000
<b>STANDARD EQUIPMENT</b>	Robust frame construction with liquid-proof tank space, single polyethylene tank with complete tank fittings					
	Titan TMS system					
	2" filling line with dry disconnect 2" coupling					
	1" suction line with fine particle filter + non return valve					
	Lockable central access door to instruments room					
	<b>PUMPING EQUIPMENT PACKAGES</b>	Standard package – 240V pump, mounting bracket, digital flow meter, 5m x delivery hose, auto nozzle and nozzle holder				
		Bluequip Dispenser Nozzle complete with hose reel, dispenser nozzle, nozzle holder, litre counter and total display				
		Bluequip Master Dispenser complete with KG80 meter, SS internals, SS panels (NMI approved)				
		Gilbarco SK700-11 AUS32/DEF (AdBlue®) Dispenser including 4m of hose, ZVA nozzle, SS coriolis meter, SS internals (NMI approved)				

# ANCILLARY EQUIPMENT

## 1. Hand Operated Rotary Drum Pump (AP-RP90P)

To suit 205L drum  
Polypropylene construction  
Pump complete with hose & nozzle (FP-332080)  
Plastic drum adapter (PP-2INGM)

## 2. 240V Electric Transfer Pump Only (FP-203010)

Flow rates up to 40L/Min  
2m cable  
Reliable self priming pump  
¾" inlet/outlet hose tails included

## 3. 12V DC Transfer Pump Only (FP-204000)

Flow rates up to 40L/Min  
2m battery cable included  
Ideal for applications where 240V or air is not available  
¾" inlet/outlet hose tails included  
24V version (FP-204010)

## 4. Manual On/Off Nozzle (AE-PPM90ADB)

Easy to install with 19mm swivel  
Up to 90L/Min flow rates  
6 bar pressure

## 5. Inline Digital Flow Meter (AE-CK24ADPM)

Ideal for inline metering at pump or dispense gun  
Compact, easy, readable display  
Display can be rotated in 4 different positions  
Resettable total, flow rate indication  
Flow rate 6-100L/Min

## 6. Spring Retractable Hose Reel

Increased operator efficiency  
Robust construction  
Reduced pressure loss  
10m x ¾"  
(AE-VGL1910ADB)  
15m x ¾"  
(AE-VGL1915ADB)  
Mounting bracket to suit IBC system (AE-PSA1000)

## 7. IBC Gravity Feed Kit (FP-155170)

IBC adaptor  
4m x ¾" hose  
Manual nozzle

## 8. Air Operated Piston Transfer Pump Only (AE-DP2100)

2:1 ratio, double-cylinder motor  
Flow rate up to 50L/Min  
1" inlet, ¾" outlet  
High reliability and resistant to wear

## 9. Husky 515 Polypro Diaphragm Pump (G-D53200)

Max flow rate 57L/Min  
Polypro body  
¾" inlet/outlet connections

## 10. Bluequip Genius Metered & Preset Nozzles

Automatic nozzle with built-in meter (FP-A10M)  
Automatic nozzle with preset option (FP-A10P)  
ALSO AVAILABLE:  
ZVA Stainless Steel Slimline Auto Nozzle (E-ZVA01)

## 11. Bluequip Standard Genius Automatic Shut-Off Nozzle (FP-A10)

Designed for industrial applications  
1" inlet (M) BSP  
Spout diameter 19mm

## 12. Bluequip Delivery Hose

EPDM flexible type hose  
19mm ID anti-static hose



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# BLUEQUIP – THE RIGHT CHOICE!

Don't risk sub-standard tanks or equipment.



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**NEW RELEASE!**

# IBC AND 205L DRUM SOLUTIONS



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1. **Air Operated 205L Drum Kit (AE-KP2194A) (AE-KP2194M – Manual Nozzle)**  
2:1 ratio transfer pump – 50L/Min  
4m x 19mm ID hose  
Air regulator  
Automatic nozzle  
3 wheel trolley
2. **Basic Air Operated IBC Distribution Kit (AE-KP21A) (AE-KP21M – Manual Nozzle)**  
2:1 ratio transfer pump – 50L/Min  
IBC suction kit  
4m x 3/4" distribution hose  
Automatic nozzle

3. **Premium Air Operated IBC Distribution Kit with Hose Reel (AE-KP2110A – 10m Hose Reel) (AE-KP2115 – 15m Hose Reel)**  
2:1 ratio transfer pump – 50L/Min  
IBC suction kit  
10m x 19mm spring  
Retractable hose reel  
Automatic nozzle  
Hose reel mounting bracket  
15m x 19mm hose reel option
4. **Pro Husky Air Operated IBC Distribution Kit (AE-D5A200A)**  
1:1 ratio diaphragm pump  
Flow rates up to 57L/Min  
Complete with mounting bracket, suction kit, 4m hose & automatic nozzle  
Reliable and trouble free operation

5. **Pro 240V Electric Transfer Kit (FP-201B10)**  
Stainless steel base & nozzle holder  
HD self priming pump – 35L/Min  
Digital flow meter  
6m of delivery hose  
Automatic shut-off nozzle
6. **Premium 240V Electric Transfer Kit (E-700000SS)**  
Stainless steel construction  
Self priming pump – 35L/Min  
Built in strainer  
Accurate digital flow meter  
Stainless steel quick release suction kit as standard

#### ALSO AVAILABLE

- SS Hose Tail 1"
- Swivel Rubber Protector
- Stainless Steel Hose Clamps

**7. Fluid Management**

The Bluequip range of fluid management systems can provide you with up-to-date information regarding dispense history such as name of operator, time of dispense, amount of fluid taken and much more.

**8. Fluid Monitoring System**

The Bluequip level monitoring system ensures you can access the tank level at any time. It can also be configured through a GSM modem to send reports and messages via email or SMS.

**9. Micromatic Couplings**

Stainless steel, easy to use, quick disconnect, spill free system used to reduce risk of contamination and make a changeover of IBC's effortless.

**10. TODO Couplings**

Used for bulk tank and transfer systems, reliable and quick. The dry disconnect fittings reduce spillage and can be configured to be accessible only by your delivery nozzle/hose unit.

**11. Suction Kit (CDS) Coupler  
FP-156060**

Used to adapt to 1000L IBC as a suction spear – to suit SEC coupler.

**12. SEC Coupling – Suction Connection (FP-R154520)**

HDPE plastic for CDS suction kits  
Used in the basic electric transfer kits  
Spill free – quick disconnect

**13. IBC Bottom Suction Kit (FP-155150)**

Suction hose to suit IBC bottom valve  
Complete with IBC adaptor & check valve

**ALSO AVAILABLE**

- AUS32/DEF (AdBlue®) trailer tanks
- NMI approved bowsers
- NMI approved bulk transfer systems
- NMI approved weighing systems
- Customised tank storage solutions

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# TANK ACCESSORIES



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