

WESTERN®

GLOBAL



TRANSPORTABLE TANK

ECW105

01/4710

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INTRODUCTION

Thank you for choosing Western Global



Please read the contents of this manual before use.

- Ensure all operators are fully conversant with the procedures for lifting, loading, positioning, filling, maintaining and use of the unit
- By understanding and following the information and procedures in this manual, your tank will give you many years of safe use
- Certain information in this manual is governed by law and is subject to change without prior notice. Great care has been taken to ensure that the information is correct at the time of publication.
- However, it is the owner's / user's sole responsibility to ensure that they and the tank fully comply with all legal requirements. Western Global cannot and will not accept any liability for any inaccuracy or incorrectly stated legal requirements
- Western Global reserves the right to alter product specifications without prior notice or obligation

**Western Global Tanks are design approved under various Global /
International / National / Regional standards of safety¹**

DESCRIPTION



UN IBC 31A/Y – (IBC) Intermediate Bulk Container

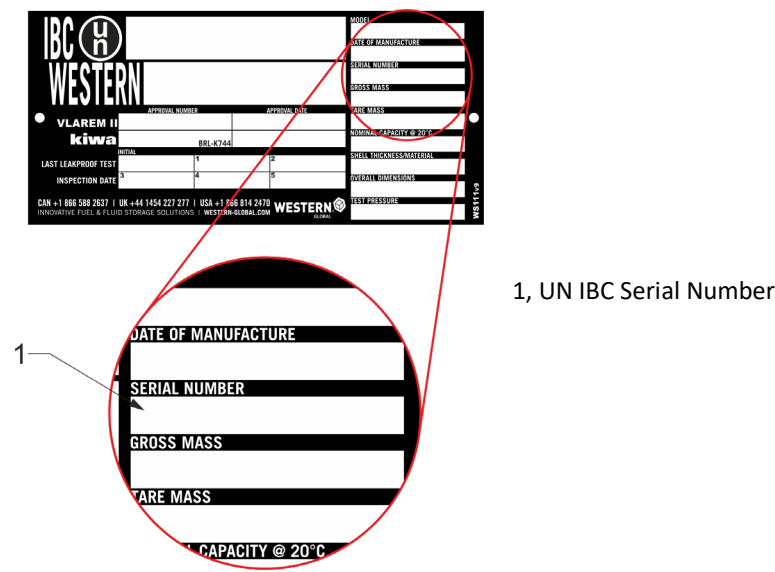
The EasyCube is a UN IBC 31A/Y tank and has been designed to enable safe storage and transportation of Class 3 Flammable & Combustible fluids.

- The EASYCUBE conforms to UN/ADR, CDG Regs (UK) which allows the transportation of the unit containing fuel on the highway/road. There is no need to drain / empty the tank before transporting
- The EASYCUBE can be used as an auxiliary fuel tank, feeding generators etc., and for refuelling other equipment via a dedicated fuel pump
- All pipe work and pump systems are stored beneath a secure, lockable lid
- To aid both transporting and handling, the EASYCUBE is fitted with forklift pockets
- Containment (Bund) has a capacity equal to 110% of the main tank's capacity
- The design enables maintenance of the containment area without specialty equipment

IDENTIFICATION MARKS

Each tank is supplied with a unique identification numbers.

- 1. UN IBC Serial Number



The UN IBC Plate is located on the front external of the tank

Record your serial number here

UN IBC Data-plate Serial Number	
Plant Number*	

*Optional customer plant number

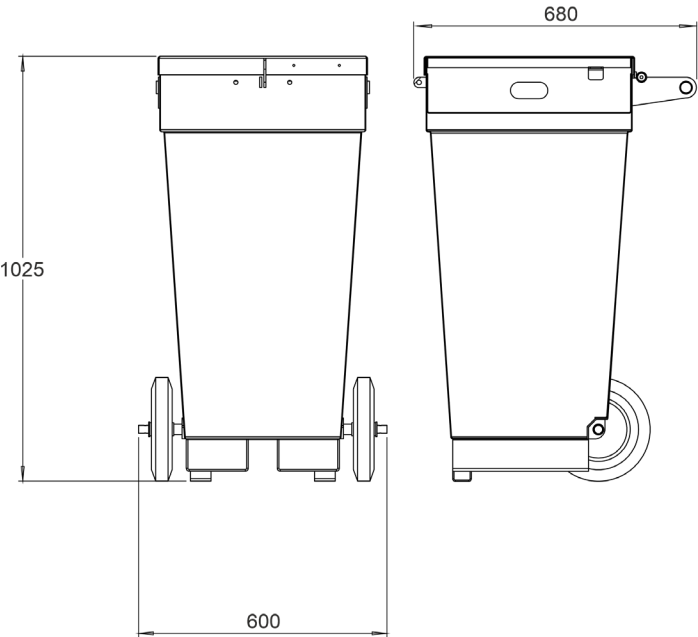
UNIT SPECIFICATION

Capacities / Dimensions

Model	Capacity					
	Litres		US Gallon		Imp. Gallon	
	Nominal	Safe Fill	Nominal	Safe Fill	Nominal	Safe Fill
EASYCUBE 105	107	102	28	27	24	22

Model	Weight			
	KG		LBS	
	TARE	GROSS	TARE	GROSS
EASYCUBE 105	66	168	146	370

Model	Dimension					
	Metric (mm)			Imperial (Inch)		
	L	W	H	L	W	H
EASYCUBE 105	680	600	1025	26.8	23.6	40.4



SAFETY



Before using this equipment and to avoid personal injury, carefully read and understand these instructions.

General

- If there is anything you do not understand, contact your supplier for advice
- The unit must be operated by authorised personnel only
- This unit must not be moved, filled, maintained or operated by persons who are under the influence of alcohol or drugs, tired or unwell
- You **MUST** perform a risk assessment before using this equipment to ensure your safety and the safety of others
- Wear the correct Personal Protective Equipment for the task you are performing
- Do not wear loose jewellery or clothing that may get in the way or become trapped in the mechanism
- Inspect the unit before use, if there is any doubt about its condition, **DO NOT USE IT**
- Do not smoke – No naked flames near tank
- Please follow all necessary Transportation of Dangerous Goods act, regulations and codes, National and Regional Fire Safety Codes, and other Installation Codes as applicable in your region / country of use.



No Smoking



No Open Flames



Authorised Access Only



Wear Safety Glasses



Wear Safety Helmet



Wear Ear Protection



Wear Safety Shoes



Wear Safety Gloves



Wear Coveralls

NOTE: Please check with the local authority for any further site requirements or regional legislation. A full risk assessment may be required

Limitations of use

- The EASYCUBE is designed for the safe storage of Class 3 Flammable & Combustible fluids, on site or in transit
- Each unit should be filled up to a maximum of 95% (Safe Fill) of its stated Nominal capacity

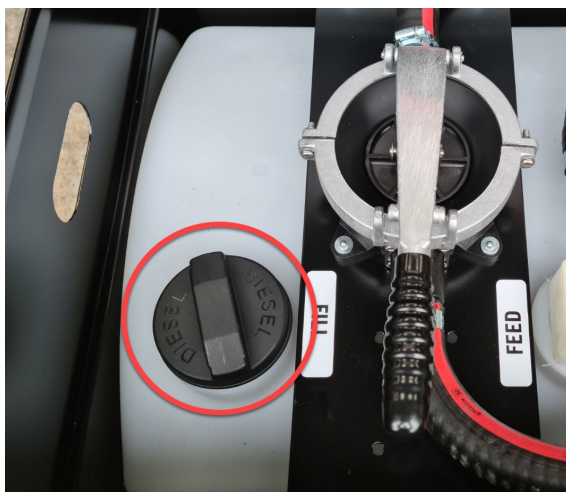
Safe practice

The storage, transportation and dispensing of Flammable & Combustible fluids is governed by law and it is the user/operator who has sole responsibility to ensure that any such rules and regulations are abided by.

Venting

Each unit has a vent / fill cap fitted on the top of the inner tank.

IMPORTANT: Do not operate the unit if this vent / fill cap is damaged or missing



Vent / Fill Cap

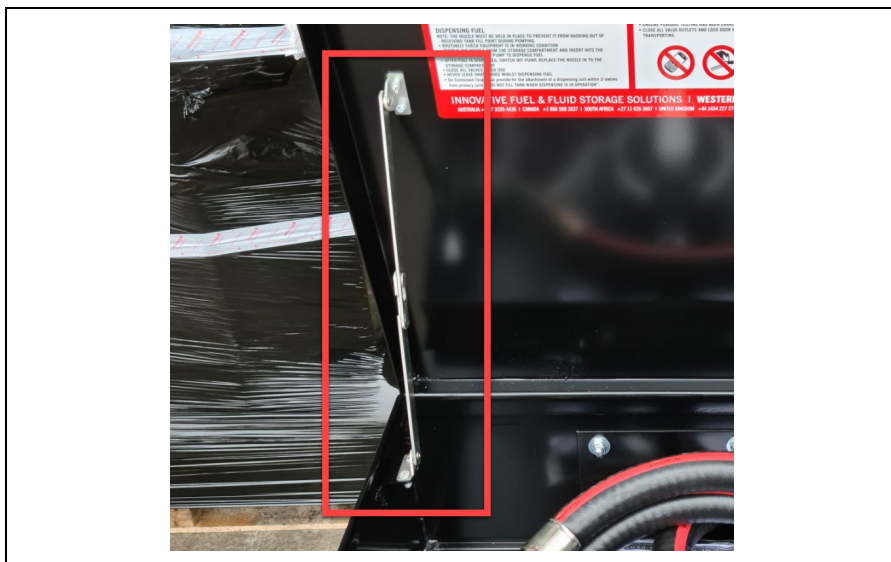
ACCESS AND SECURITY

Inner tank

For maintenance, inspection and cleaning, the inner tank can be fully removed from the containment. [See Inner Tank Removal](#)

Access to the Pump Area

- The lid is constructed of a heavy-duty steel, care should be taken when opening or closing
- Ensure the lid safety catch is engaged



Security

- The EASYCUBE is fitted with a pump to enable the supply of Flammable & Combustible fluids. All the connections are housed behind the cabinet hatch, which can be locked using a suitable security padlock
- The cabinet hatch should be kept closed when the EASYCUBE is not being used to protect the fittings and containment area from weather conditions.

CABINET OVERVIEW



1. Vent / Fill Cap
2. Inner Tank
3. 1" Hand Pump
4. 1" Deliver Hose
5. $\frac{3}{4}$ " Ball Valve – $\frac{3}{4}$ " to 1" Reducing nipple – $\frac{3}{4}$ " Nipple
6. $\frac{3}{4}$ " feed Block

LIFTING & HANDLING

IMPORTANT: Always prepare a Lifting Plan/Risk Assessment.

By Forklift / Tele-handler

- Each EASYCUBE is fitted with forklift pockets which are designed to allow the EASYCUBE to be raised by a forklift/tele-handler. The EASYCUBE can be lifted from both the front and the back.
- It is important that the total gross weight of the EASYCUBE is not more than half (50%) of the forklift's maximum SWL. Ensure that the forklift's forks are set to the correct width for the EASYCUBE's fork pockets

WARNING

Do not allow anyone under the raised load at any time or for any reason.

Positioning

- You should make sure that both supplying vehicle and receiving vehicle have safe and easy access to the EASYCUBE
- The position should be selected where the unit will be protected from accidental impact
- Be aware of the location of underground services, such as drains, and manhole covers
- You must also consider the ground surface and make sure it can support the weight of the EASYCUBE, its contents when full and any stored equipment such as pumps, without the risk of subsidence. It should be positioned on smooth and level ground
- Allow for access that may be required by the emergency services should it become necessary

FILLING THE EASYCUBE

- **DO NOT FILL TANK WHEN DISPENSING IS IN OPERATION**
- Only fill the EASYCUBE to 95% (Safe Fill) of its nominal capacity
- Filling should only be performed by a suitably trained person and only following a full risk assessment
- The EASYCUBE must be positioned on a firm level surface, whether static, truck or trailer mounted
- Where truck or trailer mounted, ensure that the parking brake is set to ON and the wheels are chocked
- Before filling, ensure that you have a suitable spill containment kit and that you are wearing all required PPE
- Nozzle Fill - Unscrew and remove the vent / fill cap, place the filling nozzle in the port.
- **Do not leave the nozzle unattended during the filling process**
- Observe the fuel level gauge for an indication of tank capacity, then once filled, replace the filler cap and clean up any spills

DISPENSING FUEL

There are two options available for dispensing/supplying fuel. Either manually via a fuel pump and nozzle or by direct coupling to the equipment such as a generator.

NOTE: Direct coupling cannot be used in conjunction with a pump simultaneously

- **By Fuel Pump** - For the information about any pump system fitted to this EASYCUBE, please refer to documents supplied with the pump.
- **Direct Coupling** - enables continuous fuel feed to equipment such as generators where fuel is required continuously.

TRANSPORTING

- **When transporting ALL ports, valves and caps must be closed**
- Ensure pump is turned off
- Close and lock the access lid
- The EASYCUBE must be secured firmly to its means of transport.

STACKING

Do Not Stack

MAINTENANCE AND SERVICE SCHEDULE

V = Visual inspection P = Physical Check L = Lubricate							
Item	Daily	Weekly	Monthly	6 Monthly	Yearly	Other	Reference / Comments
General							
Housekeeping		V		P			Check site and tank. Remove debris etc.
Firefighting media (if fitted)		V		P			V = Check in place and unused P = Test pressure and function
Signage			V/R				Check damage and wear
Tank							
Ball valves		P					P = Check operation
Vents,		V					V = Visual checks for leaks and damage
Containment		P					Check for water or product
Tank earthing				V	P		V = Visual check OK P = Test continuity

STATUTORY INSPECTION AND MAINTENANCE

NOTE: in accordance with ADR the inner tank (Plastic) has a working life of 5 years, once the inner tank reaches this age it must be replaced. The production date of the inner tank is imprinted on the top section.



The inner number denotes the year of manufacture the outer number is the month.

The example shown is December 2020

To retain the UN IBC approval, it is required that the owner of the EASYCUBE carries out regular inspections and ensures that a record of each inspection is kept. Where fault is found, the unit **MUST** be removed from service until the fault is rectified and the unit is retested successfully.

Every 2 ½ years

- External inspection
- Function of all services equipment
- Leak test.

Every 5 years

- Internal inspection
- External inspection
- Function of all services equipment
- Leak test.

NOTE: The 2 ½ and 5-year Inspection must be carried out by a competent person.

Contact Western Global for details on training plans.

Record Keeping

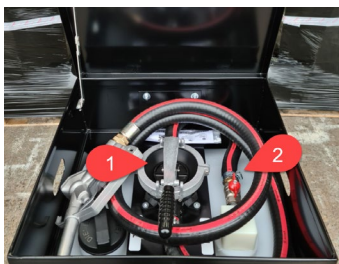
A report of each inspection and test shall be kept by the owner of the IBC at least until the next inspection or test. The report shall include the results of the inspection and test and shall identify the party performing the inspection and test.

Owner			Date of manufacture		
Model					
Serial Number			Plant Number		
Capacity					
Date	2.5 or 5 Year	Pass or Fail	Comments	Inspectors Name	Signature

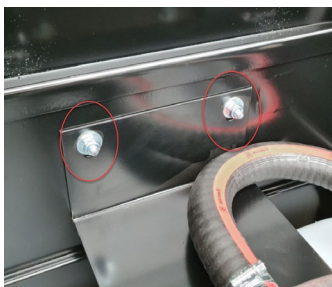
INNER TANK REMOVAL

For periodic inspection you may be required to remove the inner tank from the containment. Follow local Health and Safety rules when carrying out this operation.

IMPORTANT - Ensure the tank is empty before lifting.



1. Remove the hand pump - 1 (If fitted) and disconnect the feed pipe at position marked 2



2. Remove the rear securing nuts and bolts



3. Remove the front securing nuts and bolts

The inner tank can then be lifted out of the containment.

ENVIRONMENTAL RESPONSIBILITY

Correct and considerate management of Flammable & Combustible fluids, its storage and transfer are the responsibility of everyone who operates or maintains this equipment. All necessary precautions should be made to prevent spills and subsequent pollution of the environment.

Have in place a clear action plan to deal with accidental spill, no matter how small or large. Ensure that you have a Flammable & Combustible fluids spill containment kit available and that you understand its correct use.

Spills

Should a spill occur when emptying the containment, or when filling or transferring fuel, clear the spill as quickly as possible using absorbent material. Ideally, you should use a dedicated spill kit which will contain all the necessary items to retain and remove such a spill.

- DO NOT hose the area down or use any detergents
- DO NOT allow the fuel to enter drains or watercourses
- Spills must be reported to your local Authority
- All material used to retain and remove a spill should be bagged and collected by a registered carrier

Containment

The EASYCUBE containment area safeguards against any spill exiting the unit and polluting the immediate area. The containment is designed to retain up to 110% of the unit's primary tank maximum storage capability.

- Check regularly for liquid in the containment
- Remove any water, dispose of as below
- Take immediate remedial action if product or water is found

WARNING

Waste may only be collected by a registered carrier.

Disposal

When maintaining, servicing or disposing of the EASYCUBE or consumable components, do not dispose of contaminated parts within general refuse.

Refer to local authority regulations for their correct disposal.

TROUBLE-SHOOTING

The EasyCube is a simple and reliable system

Below we have listed common problems, causes and solutions that you may encounter.

If a problem is difficult to solve, even after having read through this trouble-shooting section, please call your local Western Global distributor or dealer.

PROBLEM	CAUSE	SOLUTION
Fuel in containment	Loose fitting	Tighten fitting
	Leaking Coupler	Replace coupler
	Over filling	Do not fill past 95% of the nominal capacity
Water in containment	Lid left open to weather	Keep lid closed

WARRANTY

The Company undertakes to replace or repair, free of charge, any defect which the Company considers to be due to faulty workmanship or material within 36 months (or otherwise stated) of the sale date, except for:

- Defects arising from neglect, misuse or unauthorised modifications.
- Damage caused by abuse, misuse, dropping or other similar damage caused by or because of a failure to follow transportation, storage, loading or operation instructions.
- Alterations, additions or repairs carried out by persons other than the manufacturer or their recognised distributors.
- Transportation or shipment costs to and from the manufacturer or their recognised agents, for repair or assessment against a warranty claim, on any product or component.
- Materials and/or labour costs to renew, repair or replace components due to normal wear and tear.
- Faults arising from the use of non-standard or additional parts, or any consequential damage or wear caused by the fitting or use of such parts.

IMPORTANT

Warranty may, at the sole discretion of the manufacturer, be voided if the scheduled service/inspections are not carried out in accordance with the logbook. The manufacturer and/or their recognised agents, directors, employees or insurers will not be held liable for consequential or other damages, losses or expenses in connection with, or by reason of, or due to the inability to use the product for any purpose.

