



UN-Certified

500L Horizontal Composite IBC

Quality, safety, durability and sustainability included.

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JIEYUAN
Packaging Solutions



500L Horizontal Composite IBC

500L Horizontal IBC Tank features robust galvanized steel frame paired with UV-resistant HDPE inner container. Its 4-way entry pallet supports forklift and conveyor transport. The galvanized steel & HDPE structure delivers excellent moisture, mildew and corrosion resistance. Reusable and recyclable to lower long-term costs, with heavy metal content $\leq 100\text{ppm}$ for full safety compliance.



1 Technical Data

Item	Value
Brimful Capacity	573 L
Nominal Capacity	500 L
Length	1000 mm
Width	650 mm
Height with pallet	1145 mm
Filling opening	DN150
Discharge opening	DN50
Fork opening	90 mm
Label plate	1/2 piece
Corner Protector	4 pieces
Weight (Inner container)	10 $\pm$ 0.5 kg
Total Weight (approx)	37 $\pm$ 1 kg

2 Basic Product Overview

Parameter	Content
Standard Matching	DN150 filling assembly with EPDM gasket DN50 welded ball valve
Standard Accessories	1 steel label plate, 4 PE-HD corner protectors
Pallet Spec	1000×1200 mm four-way entry galvanized steel frame pallet
Overall Structure	Galvanized steel tubular grid frame, 4-way entry steel frame pallet

3 Detailed Breakdown

3.1 Outer Frame & Pallet: Galvanized steel grid frame with front & rear label plates, 4 PE-HD (PCR) corner protectors.

3.2 Inner Container: Blow molded natural PE-HD tank with anti-UV particles.

3.3 DN150 Filling Assembly: DN150/225 red (different colors available) PE-HD threaded cap with vented G2 plug and EPDM sealing gaskets.

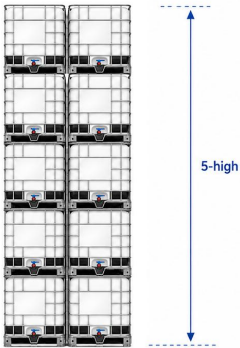
3.4 DN50 Weld Ball Valve: DN50/80 ball valve / butterfly valve, outlet sealed by PE-lined aluminum film.

3.5 Compliance: UN 31HA1 certified. The total concentration of heavy metals (Pb, Cd, Cr(VI), and Hg) in the packaging does not exceed 100 ppm.

4 Component Structure & Material Specifications

4.1 Dynamic Transport Stacking:

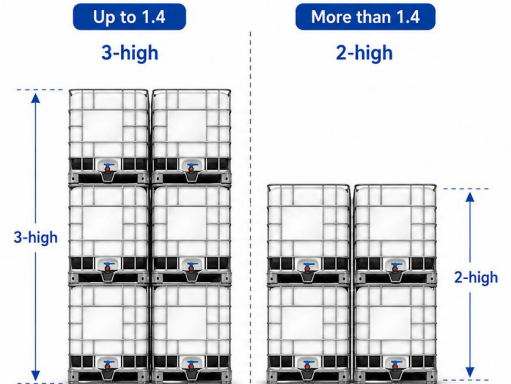
For transportation and handling, filled IBCs can be stacked according to the specific weight of the filling goods. For products with a specific weight of up to 1.4, a maximum of 3-high stacking is permitted. For products with a specific weight of more than 1.4, a maximum of 2-high stacking is permitted.



4.2 Static Warehouse Storage Stacking:

Under stationary storage conditions, fully filled IBCs allow a maximum stacking height of 5-high.

* Please place on a flat and solid surface and ensure even load distribution.



IBC Lids

Compatible with the full range of IBC tank sizes. Features DN150/DN225 external threads and a G2 vent plug for universal fit. Optional EPDM, TPE, or FKM gaskets are available. Blind cap and multiple color options are available upon request.



IBC Discharge Valves

Universal DN50 and DN80 outlets fit all standard IBC specifications. Ball valves or integrated butterfly valves with Camlock connectors and EPDM/FKM seals are available as options. Welded valves are recommended, especially for overseas shipments, for enhanced durability during transportation. Multiple color options are available upon request.





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