

## 1000L Explosion-Proof IBC

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Suitable for use in explosion-hazardous areas classified as Zone 1 and Zone 2, provided all statutory and company-specific safety regulations are observed. The container offers enhanced resistance to mechanical and thermal stress, features anti-static performance for safe operation in hazardous environments, and is equipped with a steel sheet jacket that helps prevent electrostatic charge buildup.



### Technical data:

Brimful Capacity:	1060	Litre
Nominal Capacity:	1000	Litre
Length:	1200	mm
Width:	1000	mm
Height with pallet:	1145+/-5	mm
Filling Opening:	150	mm
Discharge Opening:	50	mm
Fork Opening:	100	mm
Label Plate:	2	piece
Weight:	Inner Container:	14.5+/-0.5 KG
	Total:	77+/-1 KG

*Technical subjects to change, for reference.*

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### Structural Construction:

**Outer Container:** The outer container features a fully enclosed galvanized steel sheet jacket that surrounds the inner bottle for superior mechanical protection. It includes an integrated bottom plate, upper tie-bars for reinforcement, and front/rear label plates.

**Material:** Steel Jacket/Mesh Grid/Bottom Plate/Notice Plate: Steel, galvanized

**Inner Container:** Rectangular blow molded tank of high-density polyethylene, with filling opening on the upper side. Discharge opening at the bottom of the front side. The material formulation includes **anti-static, anti-aging, and UV-resistant** additives to ensure long-term stability and safe use.

**Material:** PE-HD, natural

**Filling Opening:** DN150 with external thread, closed with screw cap, G2-plug with vent, sealing-cap and gasket.

**Material:**

Screw cap DN150:	PE-HD, red
O-ring gasket:	EPDM
G2-plug:	PP
O-ring of 2-inch gasket:	EBA, natural
Vent:	Silastic

**Discharge:** The IBC is equipped with a DN50 butterfly valve with a red handle and a safety ring. The outlet is sealed with PE-lined aluminum film and secured with a clip. The valve is delivered closed with a screw cap, PE disk, and flat gasket, and the outlet nozzle is included.

An integrated anti-static device ensures that the container surface in contact with the liquid can dissipate electrostatic charge. A grounding conductor is positioned on the opposite side of the structure to allow safe grounding during use.

**Material:**

Butterfly Valve:	PE-HD, natural
Flat-sealing gasket:	EPDM
Spherical gasket	ETFE
Screw cap DN50:	PE-HD, black
Flat-gasket screw cap:	PE, foam
PE-disk:	PE-HD, blue
Outlet nozzle:	PE-HD, natural

**Pallet:** Steel reinforcement is attached separately, allowing for improved performance and easier, eco-friendly recycling. This 4-way composite pallet is designed for smooth and efficient access with pallet trucks.

**Nameplate:** Label plate with manual on front side, additional label plate on the back side.

Size: 500\*380mm

Material: Steel, galvanized

**Delivery Readiness:** Ready for filling. Suitable for use in ex-zones 1 and 2, provided all statutory and company-specific safety regulations are observed.