

# Markings for New and Reprocessed Composite IBCs (liquids)

The United Nations symbol

The code number designating IBC design type

A capital letter identifying the performance standard under which the design type has been successfully tested, as follows:

X—for IBCs meeting Packing Group I, II and III tests;

Y—for IBCs meeting Packing Group II and III tests; and

Z—for IBCs meeting only Packing Group III tests.

The month and year (last two digits) of manufacture.

The country authorizing the allocation of the mark.

The name and address or symbol (e.g., M #) of the manufacturer or the approval agency certifying compliance (Example below shows “approval agency” test lab +ZT1235; example further below shows manufacturer’s M number).

The stacking test load in kilograms (kg)

The maximum permissible gross mass in kg.



**31HA1/Y/05 93/USA/+ZT1235/10800/1200**

**Additional marking.** Each IBC must be marked as follows in a place near the markings required above:

Rated capacity in liters of water at 68 °F;

Tare mass in kilograms;

Gauge test pressure in kPa;

Date of last leakproofness test, if applicable (month and year); and

Date of last inspection (month and year).

So, here is a more complete answer:

UN 31HA1/Y/12 01/USA/ M1234/4067 kg/1066kg/

1070 L / 73kg / 100 kpa /12 08 / 12 08

### Three Types of IBC “Reprocessing”

1. Routine Maintenance
2. Repair
3. Re-Manufacturing

#### Routine Maintenance

Cleaning.

Removal and reinstallation or replacement of body closures and gaskets or service equipment meeting the original manufacturer's design type. *(Note: must verify “leaktightness” of re-installed or replaced closures and service equipment; full leakproofness test under pressure is not required).*

Restoration of structural parts such as legs and lifting attachment

The reconditioner places near the original IBC UN mark - which is retained or re-applied by the reconditioner – the following:

- Country code (e.g., USA)
- Name, registered symbol or registered number (e.g., M 1234) of company maintaining the IBC

Example: USA / M1234

#### “Repair” of IBCs

Original IBC marks are retained or re-applied.

The company that tests and inspects the repaired IBC applies the following near the original IBC mark:

Country;  
Name or symbol (M number) of the company performing the repair;  
Month and year of tests and inspections.

Example: USA / M1234 / 01 09