

TECHNICAL SPECIFICATION T-0119-OZM4 EXPLOSIVES STORAGE CONTAINER J120G

J120G is a lightweight gas-tight explosion-resistant container for safe storage and transport of unstable/sensitive explosive samples in explosives laboratories. J120G is designed for protection of life and property in case of accidental explosion of stored or transported explosive materials. Being explosion-resistant and gas-tight, the properly used J120G container will contain inside all damaging explosion effects – shock wave, overpressure, acoustic wave, flame and toxic hot gases.

Container J120G has a capacity of **120 g TNT**, total weight of **40 kg** and dimensions shown in the drawings below. The container is equipped with two welded handles for carrying by two people and three legs for free standing or a transport on simple trolleys. The container is closed by a lid and a quick-acting circular lock.



The lid contains a manometer showing internal pressure and indicating on eventual explosion happened inside the container. The container is ventilated after eventual explosion by slow opening its pressure valve mounted in the lid.

Interior of the container can hold different types of non-fragmenting inserts for the samples or directly sample vials, fixed against internal movement during transport by appropriate means. Effective inside space of the container is defined by a circular tube with **diameter of 140 mm and length of 302 mm**, lined with ESD rubber connected with the steel body of the container and thus protecting against discharges of the static electricity, when the container is properly grounded. Smooth rubber surface of the internal tube protects against initiation of spilled explosives by friction between hard surfaces. Smooth internal surface furthermore allows easy cleaning in case of spilling of the explosive material and prevents collecting explosive particles in inaccessible places of the container.

Weight of the inserted objects shall not exceed **2.5 kg**. The container is not suitable for explosive charges forming metal or glass fragments or explosive jets. Mutually incompatible classes of explosive materials should not be stored together in a single container. The container is **certified for international road transport** according to ADR treaty with 1.4S hazard division and UN0349 classification number.

