

TECHNICAL SPECIFICATION T-0615-OZM4 EXPLOSIVES STORAGE CONTAINER J-025G

J-025G (J-025G-L-ANKA) is a portable gas-tight explosion-resistant container for safe storage and transport of unstable/sensitive explosive samples in explosives laboratories. J-025G 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 J-025G container will contain inside all damaging explosion effects – shock wave, overpressure, acoustic wave, accelerated fragments, flame and toxic hot gases, when properly used.

Container J-025G has a capacity of **20 g TNT** and effective internal dimensions (diameter x length) **40 x 175 mm**. Its total weight of **7 kg** and maximum outside dimensions (w x l x h) of **170 x 159 x 455 mm** allow to carry this container in one hand (*all dimensions given with ± 5 % tolerance*). The container is equipped with welded handles for carrying and free standing. The container is closed by a lid screwed on external thread, with rubber insulation on contact surfaces preventing deposition (sublimation, spilling) of explosive materials in the thread.

The lid contains a disc with internal hole reducing the impacting shockwave and a screwed **valve** with G3/8" female thread. The valve is manually opened after eventual explosion slowly releasing the overpressure of gases. If required, the valve can be connected to a sampling or decontamination unit via the G3/8" thread.

Interior of the container can hold different types of inserts for the samples or directly sample bottles (fixed against moving inside during transport by appropriate means). Effective inside space of the container is defined by a circular tube lined with electrostatic conductive rubber connected with the steel body of the container and thus protecting against discharges of static electricity. Smooth rubber surface of the internal tube furthermore 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 **0.5 kg**. The container is not suitable for explosive charges forming metal fragments or explosive jets.

Container J-025G is **certified for road and rail transport** of explosive materials, detonators and primers up to 20 grams TNT equivalent content, according to ADR and RID regulations. The container with explosive materials is classified as article of 1.4S hazard class, code UN 0349.

