

The invention relates to gas-balloon equipment and can be used for storage and transportation of gas. A high pressure gas balloon has a metal body with multi-layer coating made of multi-layer composite material, this is alternation of layers made of dense-interweaved (woven) basalt threads and layers of polystyrene that are smelted into monolith by thermal method. Advantage of such balloon is in its light weight and safety in operation due to destruction without fragments at coming to pressure of failure.