

Expansion membrane tank includes a housing with a heat-insulating coating with upper and lower bottoms, an elastic membrane, which is hermetically installed in the internal cavity of the housing, a flange assembly for fastening the elastic membrane, an air valve, as well as supply and outlet pipes. The elastic membrane tank is filled with air with a given pressure and is located in the upper part of the internal cavity of the housing, which is filled with a liquid surrounding the membrane. The flange assembly for fastening the elastic membrane is located on the upper bottom of the housing, and the air valve is located on the flange assembly and hermetically blocks the access of air to the elastic membrane tank.