

A vertical cylindrical steel tank has a field joint of the wall made of inserts of various length. Ring welded connections of inserts between them are located above or below ring welded connections with a wall of existing or specially mounted ring stiffening components at the distance from 50 up to 750 mm. The offered design allows to receive correct geometrical form of the wall, to meet requirements of normative documents concerning non-admission crosswise crossings of vertical and ring seams and, thus, to provide required operational reliability of vertical cylindrical steel tank.