

Title (en)

PRESSURISED CONTAINER FOR STORING GASEOUS MEDIA UNDER PRESSURE

Title (de)

DRUCKBEHÄLTER ZUR SPEICHERUNG VON GASFÖRMIGEN MEDIEN UNTER DRUCK

Title (fr)

RESERVOIR SOUS PRESSION CON U POUR STOCKER DES SUBSTANCES GAZEUSES SOUS PRESSION

Publication

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Application

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Abstract (en)

[origin: WO03089836A1] The invention relates to a pressurised container for storing gaseous media under pressure. Said container consists of a longitudinally welded pipe, which is sealed at both ends and comprises a filling and evacuation opening at least at one end. According to the invention, the longitudinally welded pipe (1, 2), produced according to the UOE process, has a diameter  $\geq$  508 mm and a minimum yield stress  $\geq$  X 70. The open ends of said pipe are connected to and sealed by dome-shaped dish parts (4, 5). The pressurised container that is produced in this manner is designed for a minimum filling pressure of 200 bar at ambient temperature. One dish part (5) is provided with the filling and evacuation opening. The longitudinal weld seam (1, 2) and all other joint weld seams (3, 6, 7) of the pipe are configured with the highest possible fatigue limit with reference to high load amplitudes.

IPC 8 full level

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