

Title (en)
PRESSURE VESSEL, IN PARTICULAR ACCUMULATOR FOR A FLUID SYSTEM

Publication
EP 0049824 B1 19840718 (DE)

Application
EP 81107800 A 19811001

Priority
US 19689880 A 19801014

Abstract (en)
[origin: US4328836A] An inexpensive pressure vessel which can be disposed of rather than being repaired once it fails, which includes a cylindrical housing having two chambers separated by a resilient bladder. One chamber is for housing a gas while the second is for housing a fluid such as hydraulic oil. The cylindrical housing contains a port at one end and is open at the opposite end. The end cap which contains a through port and a gas valve is insertable into the open end of the cylindrical housing and is welded thereto. This weld joint in conjunction with a seal formed by attaching the resilient bladder to the end cap, will positively seal the pressure vessel. The unique seal between the end cap, bladder and housing is such that it will not be thermally damaged by the welding process which seals the end cap to the cylindrical housing.

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