

Title (en)
Device for maintaining overpressure in a liquid-filled container

Title (de)
Überdruckvorrichtung für Flüssigkeitslagerbehälter

Title (fr)
Appareil de surpression pour réservoir rempli de liquide

Publication
EP 1296064 B1 20070530 (EN)

Application
EP 02077705 A 20020705

Priority
NL 1019027 A 20010925

Abstract (en)
[origin: EP1296064A1] Device for maintaining overpressure in a liquid-filled container, in which the temperature of the liquid, so its volume, and the external pressure to which the container is subjected, can vary. The overpressure serves for keeping water out and should have a reasonably constant value in order to prevent overload of shaft sealings. The device comprises a foot portion (1) and an upper cover (2) its circumferential edges (6, 12) being spaced apart and connected to one another by a circumferentially extending membrane (8) made of a flexible material such as rubber, so that the distance between the foot portion (1) and the upper cover (2) can vary. The foot portion, the membrane and the upper cover define an expansion space which is connected to the container. At least one spring (19, 20) pushes the upper cover towards the foot portion so that the oil in the expansion space and the container is kept under a certain over-pressure. <IMAGE>

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