

Title (en)

A RELIEF VALVE FOR A PRESSURE CONTAINER

Title (de)

DRUCKAUSGLEICHSVENTIL FÜR DRUCKBEHÄLTER

Title (fr)

SOUPAPE DE DECHARGE POUR RECIPIENT SOUS PRESSION

Publication

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Application

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Abstract (en)

[origin: WO9914156A1] A valve (1) for a pressure container (4) serving for distributing a liquid, e.g. beer, under pressure of a gas, e.g. CO₂. The valve has a valve seat (8) defining a valve axis (27), an elastomeric valve ring (2) placed coaxially to the valve seat with a preferably coaxially embedded reinforcing ring (17) of e.g. metal, a gas passage (7) which is formed between the valve-ring seat (8) and the valve ring (2) when opening the valve (1), and a liquid passage (10) which is formed at the same time through the central opening (13) of the valve ring. The rim (21) of the reinforcing ring (17) is divided into three sectors (24) of a circle with a larger diameter than the opening (25) of the valve seat (8). The circle sectors (24) are again divided by three curved recesses (26). When the pressure in the container (4) exceeds a preselected permissible overpressure, the elastomeric material in the recesses is deformed to such an extent that openings (29) are made for relieving the overpressure. Thus, the valve according to the invention can function as a very efficient relief valve.

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IPC 8 full level

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Cited by

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