

Title (en)
FILLING APPARATUS

Title (de)
FÜLLVORRICHTUNG

Title (fr)
DISPOSITIF DE REMPLISSAGE

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Abstract (en)
[origin: WO2020126523A1] The invention relates to a filling apparatus comprising at least one filling element (10) having a filling pipe (12) for flange-mounting to a KEG fitting of a KEG, in which filling pipe (12) a plunger (20) is axially movably arranged, in order to interact with a retaining spring of the KEG fitting in order to open the KEG, wherein the axial movement of the plunger (20) occurs by means of an actuating device (21), which has a piston (22), which is movable in a pressure cylinder (24), said piston being connected to the plunger (20) or forming the plunger (20), wherein the actuating device (21) comprises at least one pressure chamber (26) arranged in the pressure cylinder (26), which can be connected to a pressure source (32) via at least one control valve (30), in order to move the piston (22) in the direction toward the KEG fitting, which filling apparatus furthermore comprises a pressure sensor (36) for the actuating pressure in the pressure chamber (26). According to the invention, the filling apparatus has an evaluating device (40), which is designed: to detect the opening pressure (p₀) of a KEG and to compare said opening pressure (p₀) to at least one stored reference pressure, and to authorize the KEG for the filling process as a function of the comparison result. The invention enables the detecting and excluding of defective KEGs and a differentiation between single use and reusable KEGs.

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