

Title (en)

GRAVITY-OPERATED TUBE FILLER AND METHOD FOR GRAVITY-OPERATED FILLING OF BEVERAGES

Title (de)

SCHWERKRAFT-KURZROHRFÜLLER UND VERFAHREN ZUR SCHWERKRAFT-ABFÜLLUNG VON GETRÄNKEN

Title (fr)

REMPLEISSEUR DE TUBES COURTS PAR GRAVITÉ ET PROCÉDÉ DE REMPLISSAGE PAR GRAVITÉ DES BOISSONS

Publication

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Application

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Priority

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Abstract (en)

[origin: CN111217310A] The invention relates to a gravity-operated tube filler and a method for gravity-operated filling of beverages. The gravity-operated tube filler comprises a product cooker and a filling valve which is disconnected with the product cooker. The filling valve is constructed to restrict the filling height in a bottom by means of an air returning tube. Because an adjusting valve is specially arranged in front of the filling valve, the adjusting valve is used for shuttling beverage infilling to the filling valve in a machine-controllable manner so that the influence of the pressure of static fluid between the beverage in the product cooker and the filling valve can be reduced in a targeted manner. Therefore, the lifting height of the beverage in the air returning tube reduces, and furthermore the filling height can be accurately adjusted on the condition of no probe for filling height correction or filling height monitoring.

IPC 8 full level

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