

Title (en)

METHOD OF DRAINING A FLEXIBLE CONTAINER HOUSING A VISCOS PRODUCT

Title (de)

VORRICHTUNG ZUM ENTFERNEN VON EINEM VISKOSEN PRODUKT AUS EINEM FLEXIBLEN BEHÄLTER

Title (fr)

PROCEDE DE VIDANGE D'UN CONTENEUR SOUPLE RENFERMANT UN PRODUIT VISQUEUX

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Application

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Abstract (en)

[origin: FR2851242A1] A method of emptying a flexible container containing a viscous product and an equipment for implementing it. The viscous product has a viscosity at least 10 Pa.s and preferably 10-200000 Pa.s. Products are silicone oils and gums, polyorganosiloxane compositions (optionally in the form of aqueous emulsions) crosslinkable to elastomers by polyaddition, polycondensation or dehydrogeno(poly)condensation, organic polymers comprising reactive organosilicon groups and filled polymers in an aqueous or organic solvent comprising an acrylic polymer and crosslinkable into elastomers by drying. The method consists essentially of (1) employing a flexible container; (2) optionally transporting it from its storage area to the emptying area; (3) ensuring that at least one opening, preferably located in the lower part of the container, permits the flowing out of the viscous product; (4) exerting pressure on at least one delimited zone of the container by a means of exerting pressure consisting of a pressure means and/or pressor fluid so as to maintain the container in an inflated or partially inflated state on the one hand and speed up the outflow on the other; (5) depressurize at the end of emptying. The method employs an equipment comprising a pressor means comprising one or more pistons and an emptying tank to accommodate the container, or optionally its inner liner and designed as a female element capable of acting as a guide for the piston during the application of pressure. In replacement for a piston the pressure may be applied by an expanding bag placed supplied by a source of hydraulic pressure. Alternatively the equipment comprises a pressor means comprising at least one roller and a counter roller, preferably two rollers parallel to one another and freely rotating on their axes and a means of suspending the container with the opening at its base. The rollers are driven down the container by a motor and compress it; this action being combined with or replaced by a raising of the container. The equipment feeds a packaging assembly or means for transporting the viscous fluid, such as pumps or double screws. A means of regulating the inter-axis gap of the rollers and thus the degree of squeezing obtained is provided.

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