

Title (en)

VARIABLE ORIFICE GAS LIFT VALVE FOR HIGH FLOW RATES WITH DETACHABLE POWER SOURCE AND METHOD OF USING

Title (de)

LUFTHEBEVENTIL MIT VARIABLER ÖFFNUNG FÜR HOHEN DURCHSATZ, AUSGERÜSTET MIT EINER AUSWECHSELBAREN ENERGIEQUELLE UND ANWENDUNGSVERFAHREN

Title (fr)

SOUPEA DE GAS-LIFT A ORIFICE VARIABLE POUR DEBITS ELEVES MUNIE D'UNE SOURCE D'ENERGIE AMOVIBLE ET PROCEDE D'UTILISATION

Publication

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Application

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Priority

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Abstract (en)

[origin: WO9806928A1] The present invention is a surface controlled gas lift valve designed for high flow rates and used in a subterranean well, comprising: a valve for sealable insertion in a mandrel, having a variable orifice which alternatively permits, prohibits, or throttles fluid flow into the valve, and a detachable and/or remote actuator are disclosed. Methods of actuating the valve include electro-hydraulic, hydraulic, and pneumo-hydraulic, while sensors relay the position of the variable orifice and critical fluid pressures to a panel on the surface. The orifice valve and the actuator while operatively connected, may be separately installed in or retrieved from by either wireline or coiled tubing intervention methods.

IPC 8 full level

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