

Title (en)
FLOWMETER FOR TWO-PHASE FLUID WITH SIMULTANEOUS OR ALTERNATING MEASUREMENT OF THE GAS PHASE AND THE LIQUID PHASE

Title (de)
DURCHFLOUSSMESSER FÜR EIN ZWEI-PHASEN-FLUID MIT GLEICHZEITIGER ODER ALTERNIERENDER MESSUNG DER GASPHASE UND DER FLÜSSIGPHASE

Title (fr)
DEBITMETRE POUR FLUIDE DIPHASIQUE AVEC MESURE SIMULTANEE OU ALTERNEE DE LA PHASE GAZ ET DE LA PHASE LIQUIDE

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Application
EP 14821698 A 20141113

Priority
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Abstract (en)
[origin: CA2927878A1] The invention relates to a flowmeter for liquid/gas two-phase cryogenic fluids, including: a separator (1) of the liquid/gas phases, preferably made up of a vessel, the cryogenic fluid being admitted into the top portion of said vessel; a liquid flow sensor (3), located on a liquid pipe (2) in fluid communication with the bottom portion of the vessel, the vessel being placed in the top position in the space relative to the liquid flow sensor; a gas pipe (4), in fluid communication with the upper portion of the vessel, provided with a flow sensor (5) of the gas phase circulating in said gas pipe; a three-way valve (6) capable of recovering, in two of the channels thereof (A/B), the downstream end of said gas pipe and the downstream end of said liquid pipe; and a device for measuring the level of liquid in the vessel (7), preferably comprising two level sensors: a bottom level sensor and a top level sensor.

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Citation (search report)
See references of WO 2015075351A1

Citation (examination)
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